Fiches techniques des équipements fixes et mobiles

ANNEXE 2 - Pièce 1

Fiches techniques des groupes mobiles primaires et secondaires

GROUPE MOBILE MODELE ROAD CLASSIFIER H3800

Description générale

La cellule d'alimentation est installée sur le groupe et alimente le crible avant le concasseur

Grille relevable avec contrôle à distance

Des flancs amovibles sur la trémie de chargement permettent d'augmenter la largeur de chargement

L'inclinaison de la grille entre 7 et 17°

Une goulotte mobile à l'avant du crible facilite la maintenance et le contrôle

Tous les convoyeurs embarqués sont à motorisation électrique et sont repliables hydrauliquement pour le transport, sauf le convoyeur des recyclés. Le transporteur d'alimentation du crible et le transporteur de stockage des fines sont capotés Le groupe complet est transporté en une seule partie, sa mise en place demande environ 30

Des passerelles et escaliers d'accès permettent la circulation autour du crible pour le contrôle et l'entretien

Un variateur de fréquence sur l'alimentateur permet d'en réguler le débit

L'armoire électrique embarquée contient tous les appareils électriques de commande et de contrôle du groupe : fusibles, contacteurs, voyants d'état, boutons poussoirs, asservissements etc.

Des arrêts d'urgence « coup de poing » sont placés aux endroits appropriés.

Encombrement général: 401-090000

401-100000 Transport du groupe :

Celfule d'alimentation

- Alimentateur vibrant type PF 0830 (800 X 3000) avec moteurs électriques à balourds de

Concasseur

- Un concasseur giratoire modèle H-3800
- Appareil livré complet avec ses pièces d'usure
- Bâti supérieur à deux bras, comportant deux ouvertures d'alimentation



- Concasseur fourni avec :
- * la centrale de lubrification et le système HYDROSET motorisé, pour réglage sous charge et débourrage du concasseur
- «le réfrigérant d'huile par circulation d'air prévu pour température ambiante maxi de 40 °
- le dispositif de surpression interne du bâti inférieur du concasseur
- * la transmission complète comprenant :
- la poulie réceptrice sur concasseur
 - la poulie motrice
- le jeu de courroies trapézoïdales
- les supports élastiques (Qté 4) d'appui du concasseur sur le châssis
- la trémie circulaire d'alimentation du concasseur, boulonnée sur le bâti supérieur
- le jeu de tuyaux flexibles avec embouts filetés pour raccordements de la centrale hydraulique aux circuits hydrauliques du concasseur
- * le carter de protection de la transmission
- * le moteur électrique d'entraînement du concasseur
 - du type asynchrone à rotor à cage
- puissance nécessaire 132 kW 4 pôles forme B3
- * le démarreur statorique du moteur d'entraînement du concasseur ;
- * Appareil livré en standard sans ASRi

Crible des concassés

- Type Freeclassifier FC 318 3 étages
- * Equipé d'une boite d'alimentation de grande dimension permettant une bonne distribution des matériaux à l'alimentation.
- Mécanisme constitué de 2 moteurs électriques à balourds puissance unitaire 11 kW Suspension avant et arrière par ressorts hélicoïdaux
- 1er étage : toiles métalliques à tension longitudinale
- Surfaces criblantes:

3ème étage : toiles métalliques à tension longitudinale 2ème étage :toiles métalliques à tension longitudinale

Transporteurs

- Embarqués sur le groupe
 - Alimentation du crible
- . Longueur : 10,60 m
- . Largeur de bande : 800 mm
 - . Moteur: 11 kW

06 P 170A - 23/06/2006 LAFARGE SOBEX

Vitesse de bande : 1,3 m/s

Recyclage vers le concasseur secondaire (convoyeur externe au groupe) Longueur: 9 m

Largeur de bande : 650 mm Moteur : 4 kW - 4 pôles Vitesse de bande : 1,1m/s

 convoyeur des fines Longueur: 9.5 m

Largeur de bande : 800 mm

Moteur: 5.5 kW

Vitesse de bande: 1,25 m/s

 3 Convoyeurs de mise en stock Longueur: 8 m

Largeur de bande : 650 mm . Moteur: 4 kW - 4 pôles

Vitesse de bande: 1,1m/s

Motorisation

voisine ou bien un groupe électrogène (non fourni) puissance nécessaire 250 kVA 400 V Entièrement réalisée par moteurs électriques alimentés depuis une installation électrique

Circuits puissance: 400 V - Triphasé - 50 Hz

Circuits commande: 230 V - Monophasé - 50 Hz

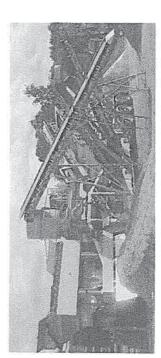
Système hydraulique

Pour la commande des pieds télescopiques d'appui au sol du groupe, mise en place hydraulique des convoyeurs et du crible

Groupe hydraulique de commande 3 kW - 24 V

Remorque

- Avec pivot d'attelage: 3 ½ ou 2"
- A 2 essieux, 4 roues 385/65R/22.5
 - Freins à commande pneumatique Eclairage code de la route



Sandvik RoadClassifier 3800 General information

- RC 3800 is superior in its function and can produce 3 calibrated fractions. The Unit can also be used
- Well known Sandvik H3800 crusher with a wide range of mantels and settings for different applications are available.
- The Screen is a FC 318 3-D wich can take out 3 (4 as a screen unit) calibrated fractions Remote-controlled tippable static bar grizzly on feed hopper. Adjustable fixed position between 7-17 The grizzly is divided in three sections, which can easily be taken off when the feeder is loaded from a conveyor and also changed according to individual wear. The whole grizzly can be removed if not required. Grizzly separation is accordingly to the crusher chamber 100mm alt. 125mm.
 - Foldable flaps on feed hopper can give wider loading area.
- A foldable flap on each side can be used as a back-wall for a loading ramp and as protection against IR level monitors on feed hopper give correct feeding to the screen.
 - oversize stones falling from the tip able grizzly.
- Rollaway discharge chute on screen provides easy access for inspection and service. Flaps inside the chute provide adding top fractions with fine fractions.
- screening natural gravel (to prevent rolling stones causing damage and accidents). Removed during Oversize conveyor is equipped with stone brake and side protection plates intended only for All conveyors are electrically driven and hydraulically foldable for transport. transport.
- Dust-encapsulated feed conveyor, screen and conveyor for the finest faction. Hydraulic supporting legs at front end make connection with semi-trailer easier. The whole unit can be transported in one piece if local transport legislation permits, start-up time approx. 30 minutes
- Self-contained galvanised steel switchgear cabinet fixed on-board the unit. The cabinet contains all Walkways (with stepladders) around the screen, to provide easy access for inspection and service the components necessary for power distribution and control - fuses, contactors, indicating lamps, control push buttons, interlocking relays, etc.
 - Frequency inverter for feeder and conveyor for coarsest product, to provide step less regulation of Emergency stop push buttons are placed at strategic locations.
- 220V transformer for power outlet (2pc.10A, 1pc.16A).

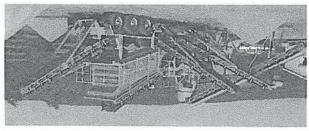
feed rate and conveyor speed.

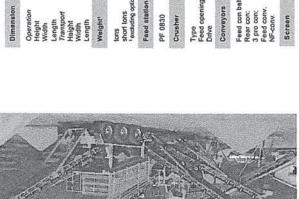
- 32-pole connection for external control of the Unit.
- The Unit has no on-board genset due to the axle load limits. The design and manufacture of RoadClassifier $^{\rm TM}$ 3800 complies with ISO 9001



Sandvik, Rock Processin SANDVIK

Heating for the crusher oil incl. 6kVA genset. Diesel heating for the crusher oil.





2 x 2,3 kW electric motor 5kbm

| Sandvik H3800 100 mm (TS) 132 kW electric motor | th Motor S | 10.6 m 800mm11kW 1.3m/s 9.5 m 800mm5.5kW 1.25m/s 8 m 650mm4kW1 1.0m/s 9 m 650 mm (external to crust 6 m 500 mm |
|---|------------------|--|
| Sand 100 m 132 kl | Width | 800 800 650 500 |
| | Length | |
| Type Feed opening Drive | Conveyors Length | Feed con belt: Rear con: 3 pro con: Feed conv. NF-conv. |

| | STATISTICS OF ST | |
|---|--|---|
| ional extra equipment | Product screen Motor NF-screen | FC 318-3D 2 x 11 kW electric moto JF 10/10 |
| Belt scale for the feed conveyor. | Motor | 2 x 1,8 kW electric moto |
| Ball-deck beneath the third deck in the FC 318 screen. | Hydraulic system | |
| Electrical heating system for feeder bottom and feed hopper. | Coarse stone grizz 400V, 4kW | Coarse stone grizzly: Hydraulic power pack, 400V, 4KW |
| Electric heaters under the feed conveyor and the conveyor for the finest fraction. Dust collector, mounted above rear | Foldable conveyor screen: Hydraulic power pa | Foldable conveyors, supporting legs, retractable screen: Wydraulic power pack, 24V (alt.400V), 3kW (alt 4kW). |

Optional extra equipment

Type: King-pin 3 ½° or 2°. Leaf-sprung two-axie bogie, air. brakes and running lights. 4 Tires 385/65R/22.5. Power limit 250 kVA 400V Running gear

N.F-screen PJ 10/10, 2x1.8 kW vibrator motors.

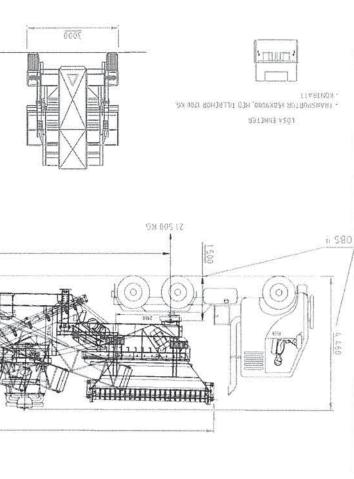
N.F-conveyor 8m x 650mm.

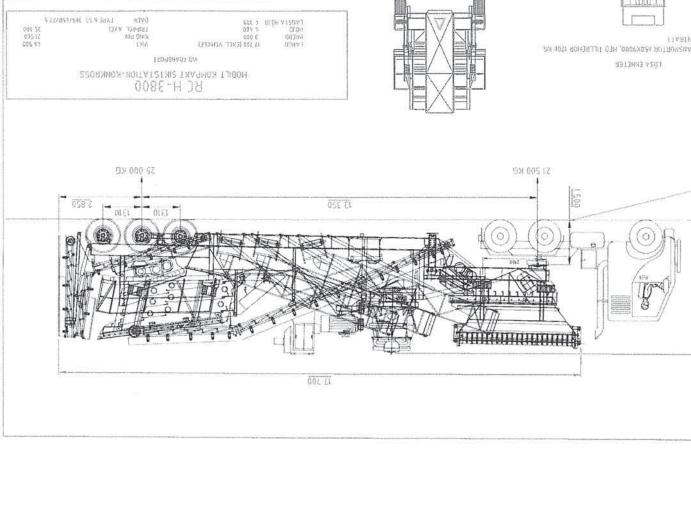
Control voltage 110 V

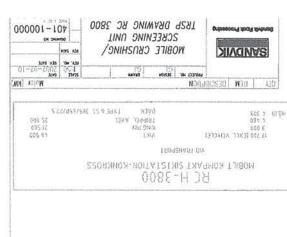
Synthetic oil

Floodlights on illumination mast.

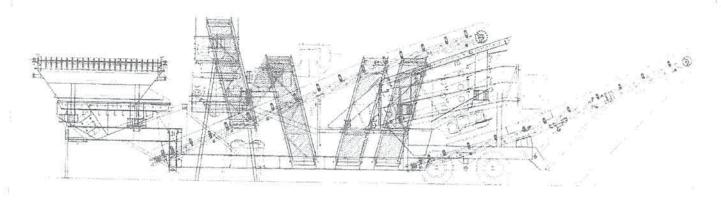
Start Siren.











SANDVIK Sandvik Rock Processing

MOCHAN SEASON SE

MOBILE CRUSHING/ SCREENING UNIT RC 3800

401-090000-0

BR550JG-1

228 kW 306 HP @ 1950 rpm FLYWHEEL HORSEPOWER

BR550JG-1 Mobile Crusher

47500 kg 104,720 lb **OPERATING WEIGHT**



most technologically advanced machine available. With excellent Komatsu's newly designed BR550JG-1 enters the market as the crushing power and a treatment capacity of 100–460 ton/h 110–507 U.S. ton/h, the Komatsu BR550JG-1 is the optimum

indicate travel mode, excessive load on crusher or abnormal condition. Rotating lamp llashes to

jaw provides high performance with a simple design that facilitates easy maintenance. Komatsu's unique design allows the discharge setting to be changed with a simple one-touch adjustment in less High performance jaw. The FS44300A maximum-capacity time than the competition.

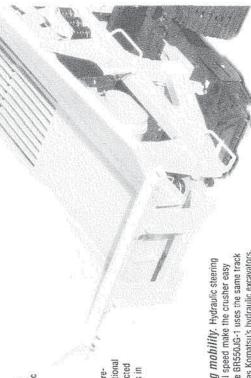
The vibratory grizzly feeder vibrates the material with an elliptical movement, so that the materials are effectively Newly designed vibratory grizzly feeder.

compensated valves. Optional equipment can be connected through hydraulic outlets in foad-sensing and pressuresystem. Fully hydraulic all-hydraufic drive drive system gets you amount of oil through HydrauMind system supplies the optimal hydraulics and working right away. the chassis.

undercarriage as Komatsu's hydraulic excavators. to relocate. The BR550JG-1 uses the same track Outstanding mobility. Hydraulic steering and high travel speed make the crusher easy

OBILL ORUSHER







228 kW 306 HP @ 1950 rpm

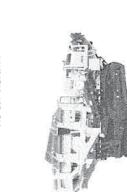
is accessible from three sides for material loading and transport. The hopper loading. The rear side is especially low-

just 3365 mm 11'0" high

Foldable hopper for easy

OPERATING WEIGHT 47500 kg 104,720 lb 100-460 ton/h

TREATMENT CAPACITY 110-507 U.S. ton/h



High-speed, large-capacity conveyor belt. A 1050 mm 3'5" (1000 mm 3'4") wide belt moves at

120 m 393'8" per minute. The discharge height is 3000 mm 9'10".

Komatsu's SAA6D125E-2 engine provides 228 kW 306 HP @ 1950 rpm for maximum crushing power while keeping exhaust gas, noise, and vibration to a minimum.

ensures adequate ground clearance when driving, and Hydraulic conveyor lifter at the high position safe driving even when on uneven ground.

a connector are standard. Sprinkler nozzle and

Emergency shut-off buttons are installed

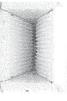
on both the left and right sides of the chassis,



the crusher offers the most up-to-date techto assist with your Designed with the operator in mind.

Equipped with FS4430QA Jaw Crusher

you to adjust setting ranges from 55 mm to 200 mm 2.2"-7.9" (OSS) for maximum discharge setting adjustment also allows greater control over your crushing capacity crushing capabilities, including concrete debris and hard rock. Komatsu's one-touch The powerful FS44300A jaw crusher with bow-type fixed jaw at high rpm allows















Maximum crushing efficiency. The Konatsu sceni-automatic feeder system senses the load on the crusher and adjusts the feed rate accordingly to muximize efficiency for

. Hopper for easy loading. The loading height of the

hopper is only 3365 mm 11:0" (rear side). all types of rock and concrete debris.



Newly designed vibrating grizzly feeder. By rasing the foeder angle to an incline of 41 the muck is more effoctively removed and the eligibian incovernent of the 2-stage grizzly feeder reduces clogging. Also, an optional muck conveyor is available to separate the materials.

The treatment appeal of the neutral induces shown in the bable is barved on an artistate busing surranting or companied in tempt of the other 1000 figure. Into this conceive defects a based or on-rate device accounting to specifical and after the meanual a submend to be day and equal to or smallest from the operant bed in mayored stee.

Her headment capacity is the sum of the grantly of the material could led by the enabler and the grantly of the material that passed through the grazy tart. If depends on the type and properties of the material and the variety profession.

Whien the crusher discludige setting is **55-100 mm** 2.2° 3.9°, only condicted debre can be enabled.

Material storce — 130–180 200–280 280–400 41,43–193 270–293 203–411 143–193 270–203 220–401 110–160 150–202 220–303 220–460 150–203 250–460 150–203 250–460 150–203 250–460 150–203 250–460 150–203 250–460 150–203 250–460 150–203 250–460 150–403 15

Crusher Discharge Setting (open side)

55 mm

Unit: ton/h U.S. toru

Maximum treatment capacity (with a muck content of 30%).

Treatment Capacity

in the development of the iarge-sized, high-speek crusher, the Mobile Crusher maximizes the volume of materials that can be crushed and passed through the grizzly feedor.

 High-volume capacity. By utilizing the tatest technology discharge crushed materials. Discharge height is 3 m 910°, which facilitates stocking and screening the products.

A 1050 mm 3'5" (1000 mm 3'4") wide beit moves quickly to High-speed, large-capacity conveyor belt.

MOBILE GRUSHER

 High mobility, The overall height for hanspartation is educated below 24. In 112. by symboling the hydraulic cylinder to food the hoppor. The BHSSOLG-1 has high ground clearance. The hydraulic convoyale develote furtion ensures ample ground cleannes when relocating the machine. The opioinal radio controller allows remote control travel functions.





exceptional reliability and this leading edge in technological advancement. The new founds monitoring system improves maintenance, while standard features such as the pre-clearing and double cleaner element are installed to excesse operator comfort and improve dust resistance. A targe ground cleanance under the custien means obsert maintenance. Even it touche occurs it can be repaired in a short time. Maximum Reliability and Minimal Maintenance, Komatsu equipment offers

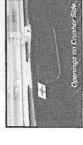
materials. Komatsu instalisi low-apeed and high-torque liydraulic pumps, a mutiller, and other standard parts so reduce noise and vibration. In addition, every crusher is equipped with a standard water sprinkler nozzlo to suppross dust and improve the onvironment. Comfortable Design, in addition to a low-noise engine made with sound-absorbing

Easy Operation. The Mobile Cusher others high-performance functions. The cushor setting can be completed in a financies with the casy softing distingment mechanism. The cusher, feeded, ciscanage conveyor belt, and optional equipment can all be operated at the routs of a fution. With the optional remote control, operator control is maximized.

Safety

- Emergency shut-off buttons are located on the refr and right sides of the chassis, on the centrol panel, and the remote centrol (optional).
- A rotaling lamp flashes when there is a malfunction on the monitor display (for example, when overheating occurs) and the operator is also alerted by a buzzer in the event of an abnormal shut-down on the conveyor belt or optional equipment.
- A switch is provided to change between crushing and travel modes.
- Handrails and safety guards are provided for all sections.













| Model Komalsu SAABU 125E-2 4-cycle, water-cooled, identificat injection Animalsu And alternooled (six six six six six six six six six six | rection rection |
|--|--------------------|
| Number of cylinders | 9 |
| Bore125 mm 4.92" | 14.92 |
| Stroke | n 5.91 |
| Piston displacement 11.04 ltr 6 | 674 in 3 |
| Flywheel horsepower 228 kW 306 HP @ 1950 rpm (SAE J1349) | J1349) |
| Governor All-speed, electrical | ectrical |



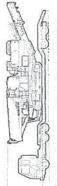
HYDRAULIC SYSTEM

| | Type Vanable capacity with pistons (inclined plate type) |
|------------|--|
| Main pump. | io. |
| Type. | |
| Pumps | Pumps for Travel, crusher, conveyor, and options |
| laximum | Maximum flow |
| aximum | Maximum pressure380 kg/cm² |
| laximum | I travel speed |

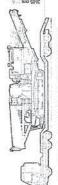
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TRANSPORTATION



Condition after rotary famp assembly, muffler, pre-cleaner and mirror assembly are removed.



(in some districts, the mechine may reced to be disassumbled for tomaportation.) Condition after only rotary lamp and muffler are removed.

*Conflict after only rotary lamp and nuffler are removed.



OPERATING WEIGHT



ORUSHER CRUSHER

| Jaw Namaisu Pattaon | Inlet size | Discharge setting (0.5.5.). 55 mm to 200 mm 2.2" to 7.9 | Rotating speed (variable)210-300 rpr |
|---------------------|------------|---|--------------------------------------|
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1125 mm x 4105 mm 44" x 13'6" Hydraulic gcar motor GRIZZLY FEEDER Frequency Size.



Seal of track

UNDERCARRIAGE

Sealed track

| Number of | shoes | er of shoes | | ं | 98 | | 33 | 7/2 | 3.5 | -// | | 6 | | 1,8 | | 45 each s | ğ |
|-----------|---------|-------------|---|---|-----|---|----|-----|-----|-----|-----|---|-----|-----|----|-----------------|---|
| Number of | carrier | rollers | ã | | - 8 | *************************************** | - | | 3 | | - Č | * | - 9 | | CA | 2 sets/one side | 핖 |
| Number of | track n | ollers | | | | | | y) | | | | 0 | 2 | | r) | 5 sets/one s | P |



COOLANT AND LUBRICANT

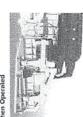
| 43.9 tr 12 U.S. gal Engine 38 tr 10 U.S. gal Final drive, each side 9 tr 2.4 U.S. gal | Fuel tank | 1 | 1 | - | - | *** | 1 | | - | | -6 | 1.0 | | - 1 | | 605 ltr | - | 160 U.S. g | 93 |
|---|--------------|------|------|---|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|---|---------|---|------------|----|
| 38 ltr 10 U.S. 9 ltr 2.4 U.S. | Radiator | - | | ÷ | - 8 | - 2 | | - 9 | | - 9 | - 1 | - 2 | - 0 | | ~ | 13.9 11 | | 2 U.S. | 8 |
| 2.4 U.S. | Engine | | | | | - | 3.5 | | | | | - | 7.4 | - : | | 38 11 | | 0 U.S. | 98 |
| | Final drive. | aach | side | | * | 1 | - 1 | | - 12 | | | | | | | 9.11 | | 4 U.S. | ga |

| Transport length | 13430 mm | 44.1 |
|-------------------|----------|------|
| fransport height | 3395 mm | 11.2 |
| fransport height* | 3505 mm | 116 |
| Transport width | 2995 mm | 910 |

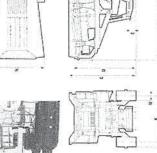




When Operated





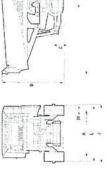












| | Overall spath |
|--|---------------|
| | 7 |
| | |
| | 13430 mm |
| | |
| | - 1 |

| 100 | Overall height | 3640 mm | 11:11 |
|-----|---|---------|--------|
| 115 | Feed treight - side | 3540 mm | 11:11 |
| 0 | Feed height - rear | 3365 mm | 11.57 |
| | Maximum ground clearance (during tower) | 350 mm | 2. |
| 1. | Dacharge neglit | 3000 mm | 9 10 |
| | Track Bickness | 30 mm | |
| - | Length of track on ground | 3700 mm | 12.2 |
| 1. | | | 220.43 |

| × | Yrack gauge | 2480 mm | 8.2 |
|----|--|--------------------|------|
| -1 | Track coulds | 2980 mm | 6 |
| 2 | Shoe vidth | 500 mm | 19.7 |
| 22 | Hopper width Hopper width when folded | 2805 mm 2130 mm | 7.0 |
| 0 | Hopper length | 4365 mm | 14.4 |
| a. | Discharge conveyor belt width | 1050 mm | 3.5 |

S STANDARD EQUIPMENT

- SHOES: Engine, Konaisu SAA6D125E-2
 4-cycle, welder-coled direct injection, turbochargod, and alterscoled (air to air)
 Net hosspower 228 kW 306 HP
 150 pm
 Fuel system
 Fuel system
 Fuel light oil, ASTM specification

- -Governor, centrifugal method, all-appead method
 all-appead method

 Cooling fan, suction type
 Air cleaner, centrifugal method
 with paper filter

CRUSHER:

- Starting motor, 11 kW 24 V
 Alternator, 50 ampere 24 V
 Battery, 140 Ah 2 x 12 V

ELECTRICAL SYSTEM:

Type, FS4430DA single-taggle crusher
 Size, 1120 mm x 765 mm 44" x 30"
 Rotation, 210–380 rpm
 Drive method, hydraulic motor with V-belt

Number of rollers: Upper carrier, two sets/one side Lower track, five sets/one side UNDERCARRIAGE:

 Type, 2-step deck
 Special decker
 Special controlled grazzly feeder
 Dimensions (W x L), 1125 mm x
4105 mm 44 * x 136*
 Grazzly blat operating, 45–70 mm
1,77–2,76*
 Drive method, hydraulic gear motor Tension adjustment, grease cylinder method (cushion springs attached) Assembled triple-grouser type,

500 mm 19.7"

BELT CONVEYOR:

- Vidth x length, 1050 mm x 10105 mm 35° x 393°
 Speed, 120 m/min 393.7 fimin
 Drive method, hydraulic piston motor

RADIO REMOTE CONTROLLER:

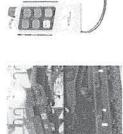
MUCK CONVEYOR: Magnetic separator for primary conveyor, 900 mm 35" w:de

MAGNETIC SEPARATOR:

X OPTIONAL EQUIPMENT

Muck conveyor assembly can be folded by hydraulic cylinder, 4000 mm x 600 mm 13°1" x 2"





Forward'Reverse
Crusher On/Oll
Feeder On/Oll
One-Touch
Deceleration On/Olf
Emergency Shufolf
Hon Function:

Travel LetVRight

HESS679200

10.3

3115 mm

Printed in Japan 200405 IP. AD (10)

KOMATSU



S STANDARD EQUIPMENT

ENGINE:

- Engino. Komatsu SAA6D125E-2
 4-yoctle, watercooled direct injection, turbocharged, and attercooled direct injection, turbocharged, and attercooled direct injection.
 Net horsepower 228 kW 306 HP
 Net horsepower 228 kW 306 HP
 Fuel 1950 HP
 Fuel 1950 HP
 Fuel 1951 NB
 Fuel 1951 NB
 Fuel 1951 NB
 Are circle system
 Cooling fan, sucion type
 Air circler. centrifugal mathod
 with paper filter
- ELECTRICAL SYSTEM:

- Slarting motor, 11 kW 24 V
 Alternator, 50 ampere 24 V
 Battery, 140 Ah 2 x 12 V

UNDERCARRIAGE

- Number of rollors:
 -Upper carrier, two sets/one side
 -Lower track, five sots/one side
 - SHOES:
- Assembled triple-grouser type, 500 mm 19.7*
 Tension adjustment, grease cylinder method (cushion springs attached) CRUSHER:
- Type, FS443CDA single-loggle crushor
 Size, 1120 mm x 765 mm 44" x 30"
 Rotation, 210–300 rpm
 Drive method, hydraulic motor with V-bott

- Type, 2-step dack
 Specd-controlled grizzly feeder
 Dimensions (W x L), 1125 mm x
 4105 mm 44" x 136"
- Grizzly bar opening, 45-70 mm
 1,77'-2,76*
 Drive method, hydraulic gear motor
- Width x length, 1050 mm x 10135 mm 315" x 33:3"
 Speed, 120 m/min 393.7 fumin
 Drive melthod, hydraulic piston motor BELT CONVEYOR:

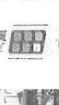
* NET OPTIONAL EQUIPMENT

MUCK CONVEYOR:

RADIO REMOTE CONTROLLER:

MAGNETIC SEPARATOR:

 Muck conveyor assembly can be folded by hydraulic cylinder, 4000 mm x 600 mm 13*1* x 2* Magnetic separator for primary conveyor.
 900 mm 35* wide.





Printed in Japan 200405 IP. AD (10)

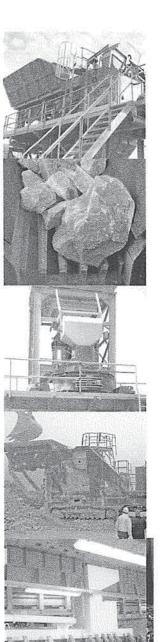
KOMATSU

HESS679200

Fiche technique de l'alimentateur

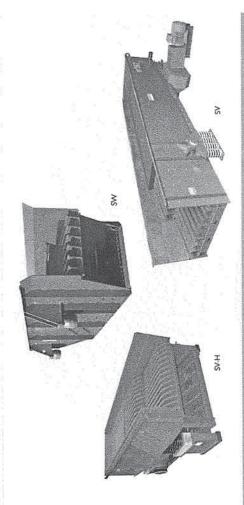
Sandvik Feeders







grizzly feeders Sandvik



Sandvilk grizzly feeders come in three main types and many sizes to balance demands for capacity, impact resistance, weight and installation dimensions.

must also take the material impact from dump trucks or wheel loaders. Sandvik offers a range of primary grizzly feeders that balance the decoarse blasted rock, a primary feeder Besides handling large feed rates with mands of capacity, impact strength, weight and installation dimensions

SV-H, FOR YOUR HEAVIEST

DUTIES

feeder pays off in open pit applica-tions with coarse feed of up to 1000 mm, and large hopper volumes, up The heavy duty design of the SV-H to 200 m3.

the largest jaw crushers and impact passes material effectively to relieve crushers available. It scalps and bythe crusher, as well as removes low The SV-H is designed to match quality fine material.

ty, Replaceable abrasion resistant (AR) steel wear liners are used on all exposed area, and suspended on coil welded for maximum impact rigidisprings are mounted for minimum transmission of dynamic loads. The feeder's rugged body is all

The SV-H has a heavy-duty double has two grizzly sections (integral type) in the top deck for separations from 75 to 225 mm. An installation ing capacity in a controlled way. A cross-tensioned optional second deck clean and increases feeding and scalpcan be installed for removal of natubath lubrication and a separate electric motor and v-belt drive ensuring reliable and precise feed rate adjustment by speed and stroke. The feeder at six degrees helps keep the grizzly shaft mechanism with gears in oil-

FEEDING AND SCALPING The SV-unit is designed for high SV, FOR HIGH CAPACITY

primary and secondary feeding appli-cation. The low profile makes the SV standard hopper volume is 26-45 m3 capacities, from 300 to 1400 t/h, in feeders cost-effective to install. The with max feed size up to 1 500 mm.

The SV feeder is highly adjustable the following: adjustable grizzly gaps, easy adjustment of stroke length by ment of stroke angle, spring pedestals transmission facilitating easy adjustfor tailored performance, thanks to for inclination adjustment, and optional electrical or hydraulic speed extra counter weights, gear wheel (capacity) adjustment.

nstalled under unfavourable condi-

reliability, especially for this type

and size of feeder, which is often

With the SV unit, the maintenance is easily done and kept to a minimum. The heavy-duty double shaft mecha-

SV-H technical data

for extended service intervals, thick replaceable wear plates are mounted on all exposed surfaces, and the mechanism is easily dismounted for

nism with gears are in an oil-bath

| | , 80 E | SV1152H | SV1153H | SV1252H | SV1253H | SV1651H | SV1652H | SVI653H | SV1852H | SVIBS3H |
|--|------------------------|---------|---------|---------|---------|---------|---------|---------|----------|----------|
| - | ribbiw ablued (mm) | 1075 | 1075 | 1175 | 1175 | 1575 | 1575 | 1575 | 1770 | 1770 |
| | dagnel ebizal (mm) | 4857 | 4857 | 4825 | 4825 | 5220 | 5240 | 5240 | 5225 | 5225 |
| | Visited (mm) dignet | 2×1200 | 2×1200 | 2×1200 | 2×1200 | ž | 2×1200 | 2×1200 | 2×1200 | 2×1200 |
| The state of the state of | Second deck (Am) | Ä | 0.7 | NA | 2.2 | NA | Y'A | 2.2 | NA | 2.2 |
| 1000 | tociloacion (*) | 0 | .0 | ,9 | .9 | .9 | .9 | .9 | .9 | .9 |
| | Weight (kg) | 4956 | 5256 | 7240 | 7390 | 10 300 | 10 100 | 10 500 | 12 040 | 12 700 |
| 1 | Motor effect (kW) | 18.5 | 18,5 | 22 | 22 | 37 | 30 | 30 | 45 | 45 |
| | basi keM (mm) sxiz | 700 | 200 | 900 | 800 | 900 | 900 | 900 | 1000 | 1000 |
| The state of the s | Capacity (Vh)* | 360-600 | 360-600 | 400-800 | 400-800 | 006 | 550-900 | 250-900 | 700-1200 | 700-1200 |

SV technical data

design and an optional second deck

for fines removal, they have proved equally well-suited for shot rock as

developed for mobile and portable plants, and small to medium size sta-

Sandvik SW feeders are specially

PLANTS

SW, THE BEST FOR MOBILE

easy servicing.

tionary plants. Compact and high

capacity with an effective grizzly

| Pain width: Pain width: | SV1262 SV1562 | 201007 | SV1062 | SV2452 | SV2152 | SV1852 | SVISS2 | SV1252 | SV1052 | SV2432 | SV2132 | SV1832 | SV1532 | SV1232 | SV1032 | Model |
|---|------------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------------|
| Feed (mm) 2 | 1220 | 0701 | 1020 | 2420 | 2120 | 1820 | 1520 | 1220 | 1020 | 2420 | 2120 | 1820 | 1520 | 1220 | 1020 | dabiw neq (mm) |
| 15 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 0009 | 9000 | 0009 | 4500 | 4500 | 4500 | 4500 | 4500 | 4500 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | |
| 2 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 2×900 2×900 | 000 × 7 | 2×900 | 1×1200 | 1×1200 | 1×1200 | 1×1200 | 1×1200 | 1×1200 | 1×900 | 1×900 | 1×900 | 1×900 | 1×900 | 1×900 | |
| Hotor affect (VXI) 7 | 11 | 9 (| 1.8 | 29 | 2.5 | 17 | 1.8 | 1.5 | 1.2 | 77 | 1.9 | 1.6 | 1.4 | 1.1 | 6.0 | |
| (Ws) N N N N N N N N N N N N N N N N N N N | 9050 | 2307 | 5965 | 8975 | 8195 | 0029 | 0009 | 5215 | 4480 | 9599 | 6025 | 5195 | 4435 | 3815 | 3480 | |
| | 30 | 33 | 22 | 37 | 37 | 22 | 22 | 22 | 15 | 22 | 33 | 22 | 15 | 15 | 15 | |
| (44) 0008880008880 | 820 | 2007 | 850 | 1400 | 1200 | 1000 | 850 | 700 | 550 | 1400 | 1200 | 1000 | 820 | 700 | 550 | ್ಯ ಪ್ರಭಾಕರಣ |

grizzly reduces the bar length which

large material, effectively liberat-

ing more fines. The two-section

allows for a step that turns over

Dual section grizzly design

for gravel.

enables sufficient taper of the bars.

Integral type exchangeable grizzly and long wear life. A second deck screen section is available to com-

sections ensure structural rigidity

SW technical data

They also maximize the live hopper

to maximize feeding performance. volume using minimal height and allow for a spill proof hopper design motordrive makes a simple stepless

The dual unbalanced electric

converter. Sandvik's experience with

line or on-line using a frequency

feed rate adjustment possible off-

unbalanced motor drives over the

last decades has shown that they

give very high availability and

the pan bottom make it possible to use the full width of the feeder pan

Tapered side plate profiles over

bine scalping with fines removal.

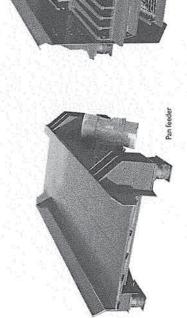
| | | 0 | 0 | 0 | 0 | |
|--|-----------------------------|----------------------------|-------------------|-------------------|-------------------|--|
| Capacity* | 150-200 | 200-250 | 300-350 | 350-400 | 400-420 | |
| axis bool xAM (mm) | 8 | 200 | 8 | 89 | 82 | |
| Max hopper (m³) | 15 | 15 | 90 | 93 | (mobile) | |
| Motor effect (kW) | 2×2.5 | 2×4.0 | 2×4.0 | 2×6.6 | 2×6.6 | |
| Weight (kg) | 2800 | 3300 | 4800 | 4500 | 2000 | |
| suspension s | Rubber | Rubber | Rubber | Springs | Springs | |
| Grizzly length (mm) 1 Second deck (m²) | 2×750 0.7 m ² | 2×900 12 m ² | 2 x 900 1.2 m² | 2 x 600 0.9 m² | 2 x 600 1.0 m² | |
| ned ablant (mm) dagnat | 3375 | 4220 | 4200 | 4750 | 4850 | |
| ned shent (mm) dibby | 559 | 810 | 086 | 1000 | 1200 | |
| Model | SW0732/3 | SW0842/3 | SW1042/3 | SW1052/3H | SW1252/JH | |

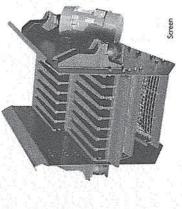
* At specified indination and 1.6 t/m3. Capacities depend not only on feeder size but also on feeder indination, feed gradation

SANDVIK

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feeder screens Sandvik





1/ 1

ST units combine a separate pan feeder with a double-deck vibrating screen that has a stepped grizzly on the top deck. The result is better flow control, greatly superior fines removal and optimum crusher performance.

POWERFUL DRIVE WITH VARIABLE CAPACITY

on what tonnage is actually reaching crusher fully fed even during varying feed conditions. The separate screen unit ensures efficient scalping and fines removal as well as high availtotal throughput of a primary station ST units can significantly improve the ability even with difficult materials. feeders as it can be regulated based The separate feed unit gives better by their ability to keep a primary flow control than vibrating grizzly the subsequent crusher.

scalping and to keep the grizzly from pegging. The second deck has ten-sioned screening media and a steeper

inclination for better fines removal. The linear motion vibration and

effective scalping and fines removal. The top deck has two grizzly sections with a step in between for efficient

COMPACT INSTALLATION
The live hopper volume is maximized and the total height minimized by inclined side plate upper edges.

drive size ensure enough acceleration (g-force) to keep the wire mesh from blinding. moderate despite the use of four motors. The ST units give low dynamic loads and very little excessive move-Power consumption for the units is

MINIMUM OPERATING COSTS

ment during start up and stopping.

vided on the bottom of the pan, as well as on the side walls above the screen. Bolt-on wear liners are promotors on both the feeder and the Low maintenance is achieved by using robust unbalanced electric scalping deck.

separations since it runs independent-

The feeder screen offers very good ly of the feeder. Consequently, the motor speed can be optimized for stroke length, stroke angle and

EFFICIENT SCALPING



| Capacity (ch) | 100-24 | 150-30 | 180-40 | 200-55 | 350-80 |
|--|------------------|--------------------------------|--------------------|--------------------|------------------------------------|
| exis bool xaM (mm) | 88 | 009 | 750 | 820 | 950 |
| Max hopper volume (mX) | 15 | 20 | 93 | 30 | 8 |
| Moson offect (kW) | 4×4.0 | 4×4.0 | 4×4.0 | 4×4.0 | 4 × 10.8 |
| Weights (kg) | 2350 | 2530 | 3620 | 3930 | 9250 |
| Grizzly length (mm) (5econd deck (m²) | 2×1000 0.5 m² | 2 x 1000 0.6 m ¹ | 2 × 1000 0.9 m² | 2 × 1000 1.0 m² | 2×600+1×1200 2.9 m ² |
| fignel and late! (mm) | 2500 | 2500 | 2500 | 5500 | 0099 |
| Scalper pan Scalper pan | 750 | 1020 | 1150 | 1300 | 1600 |
| Feeder Serven | ST0841 ST0822 | ST1041 ST1022 | ST1241 ST1222 | ST1341 ST1322 | ST1541H ST1622H |
| Model | ST0863 | ST1063 | ST1263 | ST1363 | ST1673* |

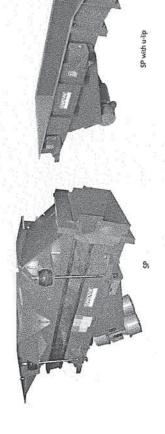
0 0 8 2

Special extra heavy design



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Sandvik pan feeders



Sandvik pan feeders are built for high capacity feeding, with a simple interface and several options to facilitate installation.

The design and wide size range of Sandvik pan feeders is adapted to make proper access around crushers possible and decrease the total cost of the installation. Both hase mounted and suspended installations can be accommodated.

SIMPLE PACKAGED FEEDING SOLUTIONS

Fully engineered feed chutes guaran-

tee proper installation, reliable operation whilin a very wide capacity range and with the right flow geometry for very high capacities. The SP feeder is prepared for simple dust encapsulation. It has an adjustable inclination from 0-12 degrees to adapt to different materials and installation requirements. High sidewalls effectively prevent spillage and simplify feed chute design. The feed rate can either be adjusted by

drive or during operation using a frequency converter.

RELIABILITY AND HIGH

PERFORMANCE

SP feeders offer large drive units and proper feed chuses designed to make high feed rates even of coarse materials possible. The dual unbalanced motors, rotate in opposite directions and self-synchronize to give the feeder pan its linear motion. The self synchronization means that no gearbox or other transmission is needed. The linear motion (stroke) of Sandvik pan feeders will ensure efficient and accurate operation as well as low liner wear.

VARIOUS VERSIONS TO SUIT THE JOB

SP model with flat discharge end for unloading bins into crushers, onto screens and conveyors (i.e. loading

repositioning weight segments in the

from a position perpendicular to the conveyor belt).

SP with u-lip which has a u-shaped

Couveyor au-shaped extension beak to center the material better into a conveyor belt or crusher. H version, heavy-duty for both models to enable feeding during large head loads, coarse material and high capacities.

A wide range of sizes is available to suit your needs. Many feeder lengths make installation flexible and can reduce your total cost of installation. Removable pan extensions are available for some sizes to suit installations where, for instance, access for maintenance above a crusher is critical. Heavy duty version with larger drive and heavier design is available for all sizes to make sure you get a feeder with the resilience and capacity you need.

SP technical data

| Model | SPOTIS | SP0725 | SP0818 | SP0825 | SP0830 | SP1020 | SP1025 | SP1030 | SP1320 | SP1325 | SP1423 | SP1623 | SP1630 | SPOSIBH | SP1020H | SP1025H | SP1030H | SP1320H | SP1325H | SP1623H | SP1630H |
|---------------------------------|---------|---------|-----------|-----------|-----------|---------|-----------|-----------|---------|---------|---------|---------|---------|-----------|---------|-----------|---------|---------|-----------|-----------|-----------|
| (mm) dibiw ns9 | 650 | 959 | 900 | 900 | 800 | 1000 | 1000 | 1000 | 1250 | 1250 | 1400 | 1600 | 1600 | 900 | 1000 | 1000 | 1000 | 1250 | 1250 | 1600 | 1600 |
| (mm) daynel as? | 1500 | 2500 | 1750 | 2500 | 3000 | 2000 | 2500 | 3000 | 2000 | 2500 | 2250 | 2250 | 3000 | 1750 | 2000 | 2500 | 3000 | 2000 | 2500 | 2250 | 3000 |
| Wear plates Bottomiside (mm) | 5/5 | 9/9 | 9/9 | 9/9 | 10/10 | 9/01 | 10/6 | 10/6 | 9/01 | 10/10 | 16/10 | 16/10 | 16/10 | 9/91 | 9/91 | 16/20 | 9/02 | 30/6 | 20/10 | 20/10 | 20/10 |
| Weight (kg) | 200 | 059 | 290 | 840 | 1950 | 840 | 1200 | 1420 | 915 | 1370 | 2020 | 2160 | 2750 | 705 | 566 | 1500 | 1750 | 1195 | 1700 | 2290 | 2900 |
| avhd | 30-14/6 | 30-18/6 | 30 - 14/6 | 30 - 23/6 | 45 - 50/6 | 30-23/6 | 40 - 27/6 | 40 - 35/6 | 30-23/6 | 40-35/6 | 42-24/6 | 40-35/6 | 9/09-05 | 30 - 18/6 | 40-27/6 | 45 - 42/6 | 45-50/6 | 40-35/6 | 45 - 50/6 | 45 - 50/6 | 60 - 75/6 |
| Power input (WM) | 2×1,2 | 2×1,2 | 2×12 | 2×1,2 | 2×4.5 | 2×1,2 | 2×1,3 | 2×2,3 | 2×1,2 | 2×23 | 2×17 | 2×23 | 2×4.5 | 2×1,2 | 2×2,3 | 2×2.7 | 2×1,7 | 2×2,3 | 2×2,7 | 2×27 | 2×45 |
| non) exis beet xeM | 220 | 220 | 365 | 365 | 200 | 330 | 330 | 330 | 415 | 415 | 094 | 200 | 200 | 592 | 330 | 330 | 330 | 415 | 415 | 200 | 200 |
| Capadity * (uh) | 180 | 166 | 250 | 757 | 700 | 420 | 375 | \$ | 550 | 200 | 906 | 650 | 125 | 290 | 480 | 430 | 480 | 630 | 580 | 740 | 150 |

** When max, feedsize is bigger than 60 mm the capacity will decrease down to approx. 300 PTPH with max, size 200 mm

SP U-lip technical data

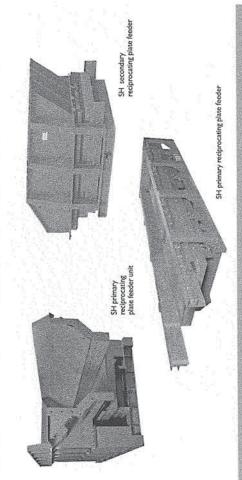
| Pan length (mm) AR west platted Borronvide + distriarge (mm) Weight (kg) | 10/6+6 900 30-23/6 | 10/6+6 1340 40-35/6 | 2000 10/6+6 1120 40.27/6 2×2,3 | 10/10+6 1500 40-35/6 | 16/10+6 2200 45-42/6 | 16/10+6 2770 50-60/6 | 20/6+6 1140 40-35/6 | 20/6+6 1610 45-42/6 | 20/6+6 1320 40-35/6 | 20/10+6 1840 45-50/6 | 3/10 + 6 7950 60.75/16 |
|---|--------------------|---------------------|--------------------------------|----------------------|----------------------|----------------------|---------------------|---------------------|---------------------|----------------------|------------------------|
| Pao width (mm) Discharge end width (mm) | 99 | 009 | 1250 850 2 | 850 | 1100 | 1000 | 009 | 009 | 850 | 850 | 1000 |

 Note: 1) All dimensions are for buse mounted versions at 8° inclusion. Some deviation between buse mounted and superiodid version may east. Always verify from valid elemensional drawing Departies depend one only on feeder size but also on feeder inclusion, feed gradiation, etc.



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reciprocating plate feeders Sandvik



Rugged, reliable, vibration-free, hydraulic reciprocating plate feeders for primary crushers, as well as for numerous secondary and other feeding applications.

primary and secondary applications, all of which featuring easy and mini-Sandvik offers a range of hydraulic powered linear plate feeders for mal maintenance.

EXCELLENT OPERATING CHARACTERISTICS

high head loads without affecting the feed rate. They handle sticky material well and can allow dumping of large size material directly since they always retain some material on the recipro-The SH feeders can be subjected to cating plate.

MULTIPLE FEED RATE

both by changing the stroke length The feed rate is easily adjustable, and the stroke frequency. Stroke adjustment can be done without ADJUSTMENT POSSIBILITIES

stopping the feeder, completely auto-matically, remotely or manually by hand. The feeder can be started and shorter delays in the feeding than with stopped as often as required with a vibrating feeder.

SH - PRIMARY RECIPROCATING FEEDER

and a control system (optional).
SH feeders are supported from below and a separate feed hopper or chute is used. for large primary stations with large volume, high drop height or where with an effective double wiper side SH is a heavy reciprocating feeder It has a robust feeder plate, skirts unit with hydraulic cylinder, hoses wear liners and a hydraulic drive very large dump trucks are used. sealing system and rear sealings,

This is a complete feed unit includ-CATING FEEDER WITH HOPPER SH UNIT - PRIMARY RECIPRO-

 Oil Inbrication of the hydraulic simple system to power the feeder.

One hydraulic cylinder means a

WEAR FREE DRIVE

hopper is equipped with wear liners complete heavy duty primary dump ing a SH-feeder and in addition a and overflow curtain (optional). The volume of the hopper can be increased with hopper extension. hopper with inclined walls. The

SH-SECONDARY RECIPRO-CATING PLATE FEEDER

mounted underneath a silo or a bunker option is available for truck loading procedures (e.g. commonly used in underground mines). designed for tough secondary applications. These feeders are normally in order to discharge material at a The secondary range is primarily

Technical data SH and SH Unit for primary feeding

| The reciprocating plate is the only moving part and the supporting recogning plate is the conject of the supporting part and t | MINIMUM OPERATING COSTS | | | | ¥ | | | | SH Unit | 488 T |
|--|---|---|-------|-------------------|--------|-------|----------------|--------------------|--|-------|
| Height (in) 9.60 9.15 9.17 9.10 | to the low operating speed required. | | (w | (I | W | (ww | ožire | (w | (2 | |
| ## ## ## ## ## ## ## ## ## ## ## ## ## | The reciprocating plate is the | | ш) з | 34) 24 | (N) t- |) poe | :إدكا د ا | m) 3 | la) 31 | |
| 98.6 3450 11 700 0-300 3080 918 5.520 22 1000 0-450 3610 1110 9.000 37 1300 0-700 4400 1420 17.100 55-70 1800 0-1100 6400 1450 21.000 55-110 2400 0-1700 | only moving part and the supporting rollers (with ball bearings) are never | Jage K | dgiaH | (BlaW | юзоН | A XSM | Capac (m3/h | dglaH | Welgi | |
| 866 3450 11 700 0-300 3080 918 5250 22 1000 0-450 3610 110 9000 37 1300 0-700 4400 1430 17100 55-90 1800 0-1700 1450 21000 55-110 2400 0-1700 | exposed to any dirt or dust. | ACTION SECTION AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF | | The second second | | | | ENGINEER PROPERTY. | TO STATE OF THE PARTY OF THE PA | 8 |
| 918 5.250 22 1000 0-450 3610 1110 9000 37 1300 0-700 4400 1430 17100 55-90 1800 0-1700 6400 1430 21000 55-110 2400 0-1700 | The land life man linear are of a | SH1041 | 098 | 3 450 | # | 902 | 0-300 | 3080 | 12 500 | |
| 1110 9 000 37 1300 0-700 4400 1420 17 100 55-90 1800 0-1100 6400 1450 21 000 55-110 2400 0-1700 | a the long me weat mers are of a | SH1351 | 918 | 5 250 | 11 | 1000 | 0-450 | 3610 | 21 600 | |
| 1420 17100 55-90 1800 0-1100 6400 1450 21000 55-110 2400 0-1700 | striple design, mey can be made very | SH1661 | 1110 | 0006 | 37 | 1300 | 002-0 | 4400 | 39 300 | |
| 1450 21 000 55-110 2400 | thick and are easy to replace. | SH2071 | 1420 | 17 100 | 55-90 | 1800 | 0.1100 | 6400 | 57 500 | |
| | CIMBI E CEI E BROTECTING | SH2571 | 1450 | 21 000 | 55-110 | 2400 | 0-1700 | | | |

MINIMUM OPERATING COSTS

Technical data SH for secondary feeding

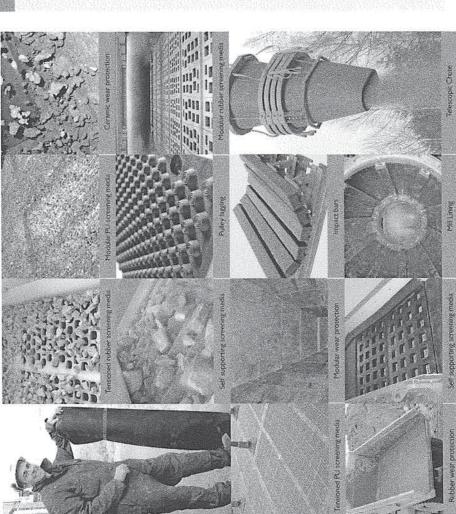
| the system to power me receder. Oil lubrication of the hydraulic ten minimizes wear and need for intenance. The feeder is completely vibration a and the dynamic loads very small. | ECIAL OPTIONS | scial options for either high or low | bient temperature are available. 59 | 3 | 5 | S | 5 | 5 |
|--|---------------|--------------------------------------|-------------------------------------|-------|--------|--------|--------|---------------|
| 3 | 10835 | 41035 | SH1335 | 11645 | H1645H | H1955H | 42255H | Н2555Н |
| Overall width. (mm) | 1280 | 1480 | 1780 | 2250 | 2250 | 2550 | 2850 | 3150 |
| Overall height (mm) | 1460 | 1460 | 1460 | 2015 | 2615 | 2615 | 2615 | 2615 |
| (W4) noteH | 7.5 | - | 15 | 30 | 30 | 37 | 30-74 | 60-110 |
| (SA) JagioW | 3 000 | 3 200 | 3 500 | 8 700 | 11 000 | 13 750 | 15 000 | 17 000 |
| Hopper volume | 15 | 1.5 | 25 | ٠ | 7 | 12 | 15 | 18 |
| (mm) baal xcM | 250 | 300 | 400 | 200 | 2007 | 006 | 1200 | 1800 |
| Capacity range (nish) | 0-150 | 0-200 | 0.250 | 0.500 | 0-650 | 0.750 | 0.950 | 0-1100 |

Capacity in m³/h at 0th inclination. Capacities depend not only on feeder size but also feeder inclination.
 feed gradation, etc.



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& Screening Media Sandvik Wear Protection





Product Range

Wear Protection

Impact bars

- Rubber wear protection
 Rubber wear plates, flat or
 corrugated, with steel backing
 or aluminium profiles
- steel backing or aluminium profiles Ceramic/rubber wear plates, with Ceramic wear protection
 - PU wear protection
 Flat polyurethane wear plates
- Modular wear protection
 Modular dual hardness flat rubber with steel backing
 - Rubber wear bars with extruded wear plates · Wear bars
 - Flexible rubber wear plates
 Rubber wear plates with flexible aluminium profile
 - · Flexible PU wear plates metal reinforcement
 - Polyurethane wear plates with flexible metal reinforcement
- Rubber sheeting Wear resistant rubber sheeting
- Wear resistant polyurethane Polyurethane sheeting
- Ceramic sheeting Ceramic/rubber sheeting
- Polyethylene sheeting
 Low friction sheeting (UHMW-PE)

- Rubber impact bars with low friction UHMW-PE top surface
- apertures Pulley lagging
 Bolted high friction pulley lagging

Screening Media

for drive pulleys

- Rubber modules with punched or · Modular rubber screening media moulded apertures
- Soft rubber modules with punched · Modular anti blinding screening apertures
- Modular PU screening media Polyurethane modules with moulded apertures
- Tensioned polyurethane panel with dam bars and punched apertures · Tensioned anti blinding PU screening media
 - · Tensioned rubber screening media Tensioned rubber panels with
 - · Tensioned PU screening media Tensioned polyurethane panels with moulded apertures punched apertures
- · Pre-tensioned rubber screening media Pre-tensioned rubber panels with punched apertures

- Flat self-supporting screening media Pre-tensioned polyurethane panels with moulded apertures
 - Flat self-supporting rubber panels with punched or moulded
- Self-supporting screening media
 Self-supporting rubber panels with
 skidbars and moulded apertures
 - Flip-Flow polyurethane screening Special PU screening media media with punched holes
 - Rubber capping for crowned · Capping
 - deck support bars Side hold down
- Hold down bars for tensioned, pre-Clamping system for pre-ten-sioned and self supporting panels · Centre hold down

Dust Encapsulation

tensioned and self supporting panels

- Polyurethane telescopic chute with optional automatic level sensor · Telescopic chute
 - Dust encapsulation
 Flexible rubber sheeting for dust
 - Rubber profiles for attaching dust encapsulation sheeting · Grip strip & Grip corners



SANDVIK

SANDVIK MINING AND CONSTRUCTION, TEL +46 40 40 68 00, FAX +46 40 40 68 98.

Sandvik is a global industrial group with advanced products and world-leading positions in selected areas – tools for metal cutting, machinery and tools for rock excavation, stainless materials, special alloys, metallic and ceramic resistance materials as well as process systems. The Group had at the end of 2007 about 47,000 employees and representation in 130 countries, with annual sales of more than SEK 86,000 M.

Sandvik Mining and Construction is a business area within the Sandvik Group and a leading global supplier of machinery, cemented-carbide tools, service and technical solutions for the excavation of rock and minerals in the mining and construction industries. Annual sales 2007 amounted to about SEK 33,100 M, with approximately 15,200 employees.



DESCRIPTION SYNTHETIQUE DES ALIMENTATEURS (TRADUCTION EN FRANCAIS)

Alimentateur à tablier vibrant

Sandvik offre une gamme d'alimentateurs primaires qui permet de combiner une capacité d'alimentation élevée, la résistance aux chocs, un poids et des dimensions optimisés des installations.

Le SV-H est conçu pour correspondre aux plus grands concasseurs à mâchoire et concasseurs à percussions disponibles.

L'alimentateur a deux sections dans le pont supérieur pour des séparations de 75 à 225 mm. Un deuxième pont facultatif peut être installé pour le déplacement des fractions plus fines. L'unité est conçue pour des capacités de traitement importantes, de 300 à 1400 Vh d'alimentation primaire et secondaire. Le volume de trémie standard est 26-45 m³ avec une taille maximale d'alimentation de 1500 mm.

L'alimentateur SV peut être ajusté selon les performances voulues, grâce aux éléments suivants : des écarts réglables, une longueur ajustable, l'ajustement facile de l'angle d'attaque, et une inclinaison adaptable.

Avec l'unité SV, la maintenance est aisée et minimale. Le mécanisme de puits double résistant est conservé dans de l'huile permettant ainsi une utilisation prolongée. Des plaques d'usure remplaçables sont montées sur toutes les surfaces exposées et le mécanisme est facilement démontable pour un entretien aisé.

Trémies d'alimentation

Les unités ST peuvent significativement améliorer la sortie totale d'une installation primaire grâce à leur capacité de maintien permanent de l'alimentation du broyeur principal même en cas de conditions d'alimentation variables.

Les trémies d'alimentation assurent le déplacement de fractions fines et une capacité d'alimentation importante, même avec des matériaux grossiers. L'unité d'alimentation séparée permet un meilleur contrôle des flux que les alimentateurs à tablier vibrant puisqu'elle peut être réglée sur le tonnage réel atteint par le broyeur.

Les trémies d'alimentation offrent une très bonne séparation des matériaux puisqu'elles fonctionnent indépendamment de l'alimentateur. Par conséquent, la longueur, l'angle d'attaque et la vitesse du moteur peuvent être optimisés pour un scalping efficace et le déplacement de fractions fines. Le pont supérieur a deux sections vibrantes avec un pass au milieu assurant une action efficace et empêchant la machine de se bloquer. Le deuxième pont a une inclination plus raide pour un meilleur déplacement des fractions fines.

Alimentateurs à fond plat

Le design et la large gamme de taille d'alimentateurs à fond plat Sandvik sont adaptés pour la mise en place d'un accès autour des broyeurs et la diminution du coût total de l'installation.

La rapidité d'alimentation de l'appareil permet d'adapter l'alimentateur à une grande variété d'opérations. L'alimentateur à fond plat SP a une inclination réglable de 0 à12 degrés pour s'adapter aux matériaux variables et aux exigences de l'installation.

De hauts murs latéraux empêchent efficacement le renversement des matériaux et simplifient la configuration de l'alimentation. Le taux d'alimentation peut être ajusté en repositionnant des segments de poids ou pendant l'opération en utilisant un convertisseur de

Alimentateur à mouvements alternatifs

Les alimentateurs à mouvements alternatifs SH permettent le dépôt direct de matériaux de grande taille puisqu'ils conservent toujours un certain nombre de matériaux sur la plaque à mouvements alternatifs

Le taux d'alimentation est facilement réglable, tant en changeant la longueur d'attaque que la fréquence d'attaque. L'ajustement de l'attaque peut être fait sans arrêt de l'alimentateur, complètement automatiquement à distance ou manuellement. L'alimentateur peut être lancé et arrêté aussi souvent qu'exigé avec des délais d'alimentation plus courts qu'avec un alimentateur vibrant.

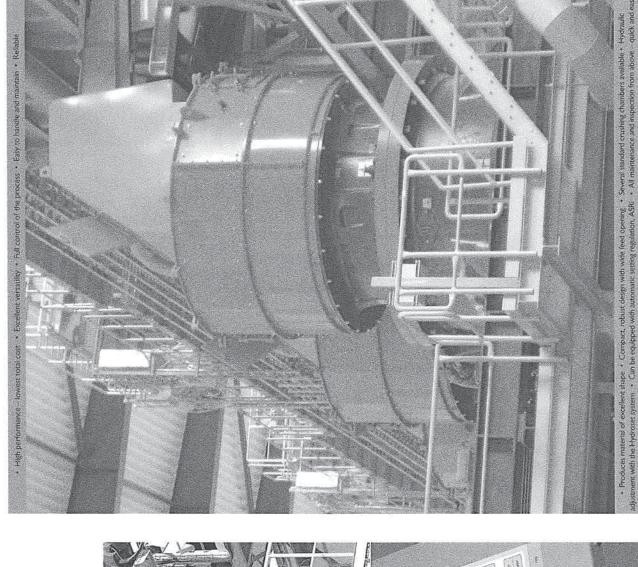
SH est un alimentateur imposant, adapté pour de grandes installations primaires, avec de grands volumes, d'importantes hauteurs de chutes, ou des installations nécessitant l'usage de très grands camions à benne

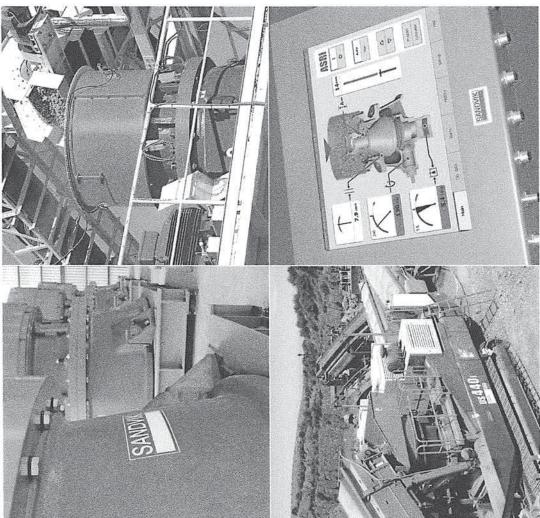
Il possède une plaque d'alimentation robuste, des plaques d'usure fonctionnelles, une unité d'énergie hydraulique avec cylindre hydraulique, des tuyaux et un système de commande facultatif. Les alimentateurs à mouvements alternatifs SH sont supportés par le dessous et une trêmie d'alimentation séparée est utilisée.

Fiches techniques des concasseurs à cônes

SANDVIK

Sandvik Cone Crushers





Cone

Sandvik cone crushers are of advanced design with a small footprint and high capacity in relation to size. They have high reduction efficiency and give very good product shape. With hydraulically adjusted CSS, the option of automation, a choice of several different crushing chambers, and many other high-performance features, each model is versatile, user-friendly and highly productive.

user-irientaly and inginy productive.

The Sandvik CS- and CH-series of cone crushers have a wide field of use as they can easily be matched to changes in production through the proper selection of crushing chamber and eccentric throw. Our cone crushers are ideal for secondary and terriary crushing and the compact and easy-to-service design makes them a perfect chice for mobile installations.

design makes them a perfect choice for mobile installations.

Our crushers provide automatic overload protection and can be equipped with our automatic setting system ASRi.

This system optimizes cone crusher efficiency and automatically adapts the crusher to variations in feed conditions. By continuously measuring and compensating for crusher liner wear, ASRi allows you fully utilize crusher liners and schedule liner replacements to coincide with planned maintenance stops. ASRi also assists in keeping your crusher choke fed. This maximizes rock-on-rock crushing, which helps to optimize the quality of your final product.



Lowest Total Cost High Performance

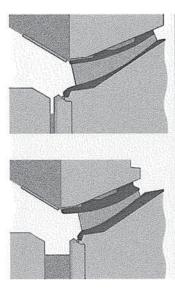
The hydraulically adjusted CS & CH cone crushers manufactured by Sandvik are characterized by robust design and high performance.

most cases comparable with those of other, larger crushers. In combination with the CLP crushing chambers, high motor powers give these crushers capacities which are in

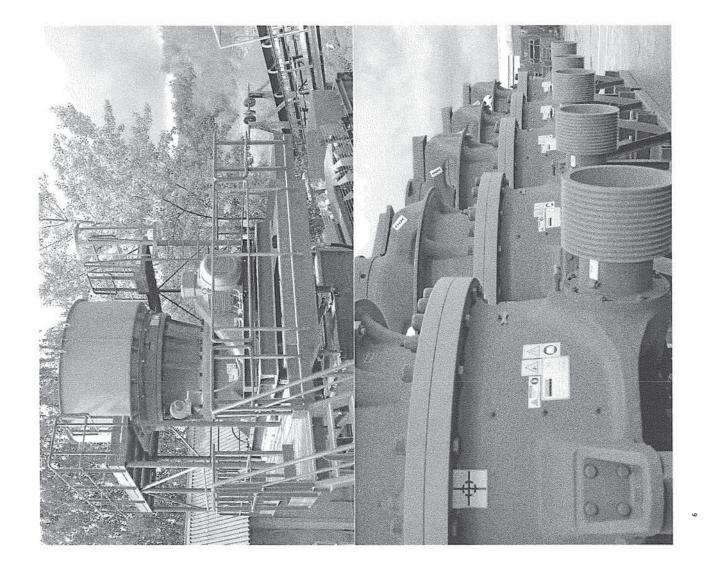
The CLP advantages are:

- Constant feed acceptance capability
 - Increased output
 - High-quality products
 - Increased liner life
 - Lowest total cost

Sandvik cone crushers can be equipped with an automatic setting system, ASRi, which can improve performance even more and also provides integration with sophisticated plant control systems.



CLP crushing chamber CLP stands for Constant Liner Performance. The sunces wereds profile of the feed opening area means that the stape of the chamber romains virtually unchanged throughout the wearing life.

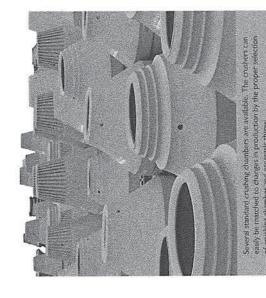


Excellent Versatility

Our cone crushers have a wide field of use. Several standard crushing chambers are available for each model.

The crushers can easily be matched to changes in production through the proper selection of crushing chamber and eccentric throw.

Sandvik cone crushers are an excellent choice as secondary crushers in combination with a jaw or a primary gyratory crusher or in the third or fourth crushing stage. Thanks to their built-in versatility, these crushers will enable you to cope with most production requirements in a changing future.



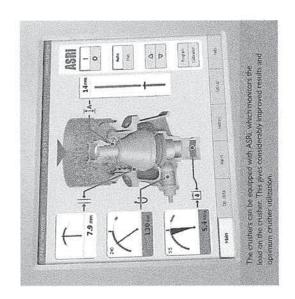


Full Control of the Process

The Hydroset system provides safety and setting adjustment functions, and incorporates a heavy-duty hydraulic cylinder which supports the mainshaft and adjusts its position.

The Hydroset system provides automatic overload protection to permit the passage of tramp iron or other uncrushable material. The system then automatically returns the mainshaft smoothly to its original position.

When the cone crusher is equipped with our automatic setting system, ASRi, the actual crushing load inside the crusher is continuously monitored. This makes it possible to optimize crusher utilization allowing you to squeeze the ultimate performance from your machine at all times.





11

Easy to Handle and Maintain

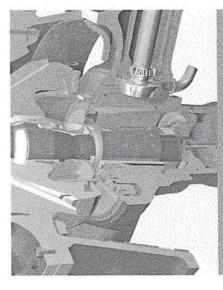
Much attention has been paid to making our crushers as easy to operate and maintain as possible. All service and inspection is carried out from above, which makes the work easier and the maintenance costs lower.

Robust sealing to the inner crusher mechanics provides more effective protection against dust and other unwanted particles – reducing maintenance and increasing the life of the crusher.

The automatic setting regulation system ASRi, not only optimizes production, it also keeps track of liner wear. This makes it easy to plan liner changes and minimize interruptions in production.

makes it easy to plan liner changes and minimize interruptions in production.

In addition to the high capacity, Sandvik CS & CH crushers are compact, which makes them very easy to move and to



Robust sealing to the lineer crusher methonics provides more effective protection against dust and other un wanted particles reducing maintenance and increasing the life of the crusher.



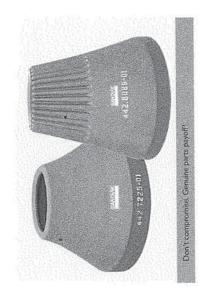
Customer

Satisfaction

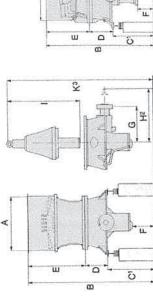
Building strong customer relationships is highly prioritized in our daily work to help you keep your Sandvik crushing system in operation, to improve your uptime and productivity, lower your costs and provide you with the best, possible total economy.

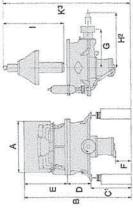
- Sandvik has vast experience and teams spanning the globe in order to provide you with total support.
- Sandvik has a highly efficient, worldwide service and distribution network to make sure all essential parts and consumables are available to you according to your needs.
- Sandvik offers intensive training courses tailored to fit your needs in order to help achieve optimum equipment performance.
- Sandvik offers efficient, cost-effective repair and rebuilding services when it becomes necessary, more economical or environmentally beneficial to repair, overhaul or rebuild the

equipment.
Whatever your needs are, wherever you are and whatever the time is, Sandvik is here to support you.



Dimensions, mm





Note: Reference line (not floor level) giving minimal dimensions for removal of: 1. Hydroset cylinder, 2. Pinion shaft, 3. Main shaft

| CH880 | 0 2660 | 6456 | 2870 | 1186 | 2400 | 1151 | 2073 | 3100 | 3545 | 0777 |
|-------|--------|------|------|------|------|------|------|------|------|------|
| CH870 | 0 2450 | 5475 | 2200 | 1228 | 2045 | 866 | 1824 | 2850 | 3095 | 0099 |
| CH660 | 62104 | 4215 | 1600 | 860 | 1755 | 631 | 1497 | 2156 | 2344 | 4835 |
| CH440 | Ø 1540 | 3410 | 1300 | 745 | 1365 | 452 | 1280 | 1900 | 1985 | 4000 |
| CH430 | 0 1360 | 2882 | 1125 | 929 | 1212 | 422 | 1901 | 1705 | 1688 | 3570 |
| CH420 | 0 1078 | 2560 | 1020 | 540 | 1000 | 400 | 843 | 1270 | 1425 | 3000 |
| CS880 | 0 2800 | 5100 | 1600 | 098 | 2640 | 631 | 1497 | 2156 | 2895 | 5355 |
| CS440 | 0 2000 | 4075 | 1300 | 745 | 2030 | 452 | 1280 | 1900 | 2420 | 4930 |
| CS430 | 0 1635 | 3485 | 1125 | 655 | 1705 | 422 | 1061 | 1705 | 2050 | 4250 |
| CS#20 | 0 1285 | 2902 | 1020 | 540 | 1342 | 400 | 843 | 1270 | 1703 | 3600 |
| Dtm. | A | 8 | ັນ | 0 | ш | 4 | 9 | 4 | | × |

Dimensions are intended only as a guide for preliminary planning of the installation and should not be used for the construction of foundations, etc.

Approximate Weights, kg

| CHSSO | 22000** | 70000** |
|--------|--|--------------|
| CH870 | 13000** | **00005 |
| СНӨВО | 7800** | 24200** |
| CH440 | 4700** | 14300** |
| CH430 | 2900** | 9200** |
| CH420 | 1400** | 5300** |
| 09950 | 16500* | 35700 |
| CS440 | 8100 | 19300 |
| CS430 | 5100 | 12000 |
| 0.2420 | 2300 | 0089 |
| | Heaviest lift during main- tenance | Total weight |

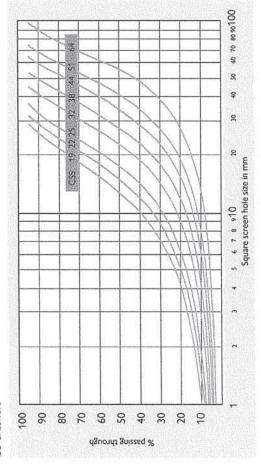
^{* 16500} kg = topshell assembly + spider assembly. 9700 kg = topshell assembly only.

^{**} Applies to crusher with fine crushing chamber. With coarse crushing chamber, these weights are reduced by approximately 380 kg for the CH430, by 600 kg for the CH430, by 600 kg for the CH430, by 600 kg for the CH870 model.

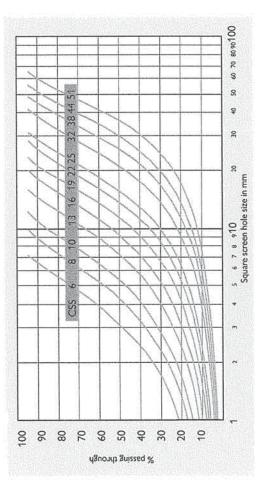
Product Curves

hole, mm) is dependant on the crushability (W), of the material, the size distribution of the feed and other factors. The product curve and the percentage of the crusher product that is smaller than the closed side setting (square

CS-crushers



CH-crushers



Chambers Crushing

CS-crushers

Three standard crushing chambers are available:

MC = Medium Coarse C = Coarse

EC = Extra coarse

CH-crushers Several standard crushing chambers are available:

EEF = Extra Extra Fine EF = Extra Fine

EFX = Extra Fine Xtra = Fine

MC = Medium Coarse MF = Medium Fine = Medium Σ

CX = Coarse Xtra EC = Extra Coarse = Coarse

Capacity, MTPH

Performance figures are approximate and give an indication of what the crusher can produce.

1600 kg/m³. It is assumed that material side setting (CSS) is removed from the They apply to open circuit crushing of dry material with a bulk density of much finer than the crusher's closed

Consult us regarding the application of the crusher since the chosen eccenanalysis of the feed, the design of any recrushing circuit and the moisture content in the feed all affect performtric throw, degree of reduction, the material's crushability (W), the size ance of the crusher.

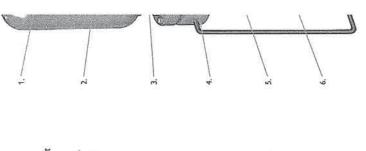
CS-crushers

| CS420 90 EC 240 CS430 132 C 380 CS430 132 C 380 CS440 220 C 400 CS680 315 EC 560 | | Max motorsize | | Max feed size | | | |
|--|-------|---------------|----|---------------|----|--------|--------|
| 90 EC C C C C C C C C C C C C C C C C C C | | KW | | THE STREET | 19 | 2 | 93 |
| 132 C C C C C C C C C C C C C C C C C C C | CS420 | 06 | EC | 240 | | 82 | 92-115 |
| 132 EC 132 C MC EC 220 C MC 315 EC | | | ၁ | 200 | 20 | 76-95 | 82-12 |
| 132 C MC EC 220 C MC 315 EC | | | 23 | 360 | | | 126 |
| MC EC 220 C MC MC MC A15 EC C C C C C C C C C C C C C C C C C C | CS430 | 132 | o | 300 | | 108 | 116-14 |
| 220 C C MC 315 EC | | | MC | 235 | 91 | 98-123 | 106-16 |
| 220 C MC 315 EC | | | 23 | 450 | | | |
| 315 EC | CS440 | 220 | ပ | 400 | | | |
| 315 EC | | | MC | 300 | | | 195 |
| ٥ | 09983 | 315 | EC | 260 | | | |
| | | | 9 | 200 | | | |

CH-crushers

| CH420 CH420 CH420 CH420 CH430 CH440 CH440 CH460 CH660 CH660 CH680 CH | | Max motorsize kW | | Max leed size | 77 | 9 | 8 |
|--|-----------------------------|---------------------|------|---------------|-------|-------|-------|
| 90 MF 50 MF 50 F 38 27-34 29-50 EF 29 29-50 EF 20 30 EF 35 49-78 EF 20 24-5 EF 30 65 EF 30 6 | THE PERSON NAMED AND PARTY. | | 33 | 135 | | | |
| 90 M 65 | | | o | 90 | | | |
| MF 50 36 F 38 27:34 29-50 F 185 C 145 MC 115 MF 75 MF 75 MF 140 C 215 C 225 M 115 M 115 M 115 EC 215 C 215 C 215 C 240 EC 300 C 240 C | CH420 | 90 | M | 89 | | | 36-44 |
| F 38 27-34 29-50 EF 185 C 145 MC 115 MC 145 EF 50 49-78 EF 50 49-78 EF 50 49-78 EF 50 60 MC 140 C 215 C 215 C 215 C 240 C | | | MF | 82 | | 36 | 38-67 |
| EF 29 C 145 MC 115 MF 75 MF 75 MF 75 MF 75 MF 75 MF 110 C 175 CC 246 CC 246 CC 246 MF 115 MF 116 MF 115 MF 116 MF 115 MF 116 MF 115 MF 116 MF | | | 4 | 88 | 27-34 | 29-50 | 31-54 |
| EC 185 MC 1145 MF 115 MF 75 MF 75 MF 86 C 175 C 215 C 225 MF 86 C 215 C 215 C 215 C 225 MF 140 C 175 C 245 C 2 245 C 2 246 C 2 215 C 2 246 C 2 25 C 2 246 C 2 24 | | | Ш | 53 | | | |
| 132 M 910 MC 1145 MF 75 MF 75 MF 75 MF 75 MC 1440 220 MG 1440 220 MG 1440 C 215 C 215 C 245 C 246 C 246 C 246 C 246 C 246 C 247 MF 115 MF 116 MF 116 MF 116 MF 116 MF 116 MF 116 MF 1170 MF 1180 MF | | | EC | 185 | | | |
| 132 MC 115 MF 75 P0 48-78 F 50 A4-78 F 50 A75 F 70 A75 F 70 BF 38 F 70 BF 38 F 70 BF 38 F 70 BF 38 F 70 BF 115 C C 215 C C 215 C C 245 C C 246 C C C 246 C C C 246 C C C C C C C C C C C C C C C C C C C | | | 3 | 145 | | | |
| 132 M 90 P F 55 F F 35 E C 215 C 175 MC 1440 220 M 1140 MF 85 F 70 E F 38 C X 245 | | | MC | 115 | | | |
| MF 75 FF 35 FF 35 C 175 MC 140 220 MF 140 MF 85 FF 70 FF 38 CC 245 CX 246 C | CH430 | 132 | × | 06 | | | |
| F 50 48-78 EC 175 C 175 MC 140 220 MF 110 F 70 EF 38 EC 245 C 215 MC 145 MC 145 MC 146 C 215 MC 146 C 215 MC 146 C 246 | | | M | 75 | | | 19 |
| EF 35 C 175 MC 140 NF 110 FF 70 FF 70 C 215 C 225 MC 245 C 226 C 226 C 226 C 246 EF 65 EF 65 EF 65 EF 65 EF 65 EF 65 FF 115 MF 115 MF 115 MF 115 FF 110 EF 70 EF 70 EF 710 EF 710 EF 710 EF 710 | | | ш | 22 | | 48-78 | 51-8 |
| EC 215 MC 1440 220 M 110 MF 85 MF 85 FF 70 EF 38 CCX 245 CCX 246 CCX 240 C | | | Ш | 35 | | | |
| 220 MC 140 MC 140 MC 140 MF 85 F 70 EF 38 EC 275 CC 245 CC 245 CC 246 CC 240 CC | | | EC | 215 | | | |
| 220 MC 140 MF 710 F 70 EF 38 EC 275 CC 245 CC 245 CC 245 MC 175 315 MC 175 MF 115 EC 300 CC 240 C | | | 0 | 175 | | | |
| 220 M 110 F F 70 EF 38 EC 275 CX 245 CX 246 CX 240 CX 2 | | | MC | 140 | | | |
| MF 85 F 70 EF 38 CCX 245 CCX 245 CCX 245 CCX 245 CC 215 MC 115 F 85 F 65 CC 240 CC 240 MF 115 MF 100 | CH440 | 220 | M | 110 | | | |
| FF 70 EF 238 EC 275 CC 245 CC 245 MM 1155 FF 85 EC 300 CC 240 CC 240 MM 155 MF 100 FF 80 MF 100 MF 100 FF 80 MF 100 FF 80 FF 80 MF 1130 FF 1100 FF 1100 FF 1100 FF 1100 | | | MF | 88 | | | |
| EF 38 EC 275 C 2 245 C 2 245 MC 175 MR 115 MF 115 EC 300 C 240 EF 65 EC 300 C 240 MF 100 FF 100 EF 80 EF 80 MF 105 FF 100 EF 80 | | | ш | 02 | | | 90-13 |
| EC 275 CX 245 CX 245 CX 245 CX 245 MC 175 MF 115 MF 115 FF 65 EC 300 CC 240 MF 165 MF 100 FF 90 MF 100 MF 100 FF 1100 FF 1100 FF 1100 FF 1100 FF 1100 | | | # | 38 | | | |
| CX 245 M 175 M | | | EC | 275 | | | |
| 315 M 175 MG 175 MF 175 MF 175 MF 175 MF 175 MF 175 MG 195 | | | š | 245 | | | |
| 315 MC 175 MF 115 F 65 F 65 C 240 620 MC 195 MR 116 F 80 F 80 F 90 F 7 80 MR 1195 MR 130 F 120 F 7 100 F 86 | | | ပ | 215 | | | |
| 315 M 135 M 135 F F 65 E F 65 S E F 65 S C C 240 M 195 M 195 E F 90 E F 80 C C 330 M 195 M 195 M 195 M 195 M 195 M 195 E F 120 E F 100 E F 100 E F 100 | | | MC | 175 | | | |
| MF 115 EF 65 EC 300 C 240 C 240 M 155 MF 100 FF 80 C 330 MC 286 600 M 155 FF 1100 EF 7 100 | CH660 | 315 | × | 135 | | | |
| F B5 EC 300 C 240 S20 MC 195 MF 1100 F 80 EC 370 C 230 M7 135 F 120 EF 1100 | | | MF | 115 | | | |
| EC 300 C 240 M 155 M 155 MF 100 F 80 EC 370 C 330 MC 280 MC 280 MC 280 F 7 120 EF 100 EF 86 | | | ı. E | 18 18 | | | |
| 620 MC 195 M 155 M 155 M 156 M 156 M 100 M 156 M 233 M 280 M 280 M 195 M 195 M 195 M 195 M 195 M 195 M 180 M 180 M 180 M 180 M 180 M 180 | | | 5 | 3 % | | | |
| 520 MC 195 M 155 M 155 M 155 M 156 C 330 C 330 MC 280 MC 280 MF 130 F 120 EFX 100 | | | 3 | 300 | | | |
| M 165 MF 106 F 7 90 EC 370 C 330 MC 286 600 M 195 F 120 EF 100 | CHR70 | 520 | W. | 195 | | | |
| MF 100 F 80 F 80 F 80 F 80 F 830 MC 260 600 M 195 F 120 FF 100 | i i | | × | 155 | | | |
| F 90 EF 80 C 330 MC 260 M 195 F 130 F 120 EF 160 | | | MF | 100 | | | |
| EF 80 EC 370 C 330 MC 280 600 M 195 F 120 EF 100 | | | 1 | 06 | | | |
| EC 370 C 230 MC 286 600 M 195 MF 130 FF 120 EF 100 | | | ь | 80 | | | |
| C 330 MC 260 600 M 195 MF 130 FF 100 EF 66 | | | EC | 370 | | | |
| MC 260 600 M 195 MF 130 F 120 EFX 100 EF 86 | | | ၁ | 330 | | | |
| 600 M 195 MF 130 F 120 EFX 100 EF 85 | | | MC | 260 | | | |
| 130 120 100 85 | CH880 | 009 | Σ | 195 | | | |
| 120 100 85 | | | MF | 130 | | | |
| 100 85 | | | u | 120 | | | |
| 82 | | | EX | 100 | | | |
| | | | ь | 82 | | | |

16



| 174-327 | ~- | 183-344 | 196-306 | 205-256 | 214 | | | | | |
|---------|----|---------|---------|---------|---------|---------|---------|----------|---------|-----|
| 47-275 | | 154-241 | 165 | | | | | | | |
| 98-446 | | 313-563 | 334-601 | 349-524 | 365-456 | | | | | |
| 84-511 | | 298-448 | 318-398 | 333 | | | | | | |
| 270-486 | | 284-426 | 303-378 | 317 | | | | | | |
| 349 | | 368-460 | 392-588 | 410-718 | 428-856 | 465-929 | 489-978 | 525-1050 | 562-983 | 604 |
| 36-420 | | 353-618 | 376-753 | 394-788 | 411-823 | 446-892 | 469-822 | 504-631 | | |

| 10 | 13 | 16 | 19 | 3 16 19 22 25 | 82 | 88 | 無 | a | 51 | 25 | 2 | 2 |
|--------|---------|---------|---------------------------------------|-----------------------|----------|----------|----------|----------|----------|----------|-----------|-----------|
| 46 | 50-85 | 54-92 | 58-99 | 62-105 | 66-112 | 76-128 | | | | | | |
| 3-53 | 46-89 | 20-96 | 54-103 | 57-110 | 61-118 | 70 | | | | | | |
| 38-74 | 41-80 | 45-76 | 48-59 | | | | | | | | | |
| 0-71 | 44-68 | 47-53 | | | | | | | | | | |
| 12-57 | 35-48 | 38 | | | | | | | | | | |
| | | 30-40 | 30-40 with 80 % finer than 4.5-5.5 mm | ner than 4.5 | -5.5 mm | | | | | | | |
| | 69-108 | 75-150 | 80-161 | 86-171 | 91-182 | 104-208 | 115-208 | | | | | |
| | 66-131 | 71-142 | 76-152 | 81-162 | 86-173 | 98-197 | 109-150 | | | | | |
| 22 | 62-140 | 67-151 | 72-162 | 77-173 | 82-184 | 93-145 | | | | | | |
| 4-84 | 69-131 | 75-142 | 80-152 | 86-162 | 91-154 | 104 | | | | | | |
| -106 | 70-115 | 76-124 | 81-126 | 87-114 | 35 | | | | | | | |
| 54-88 | 96-69 | 63-103 | 68-105 | 72-95 | 77 | | | | | | | |
| 3 | 1 | 70-90 | 70-90 with 80 % finer than 5-5.6 mm | ner than 5-5 | .6 mm | | | | | | | |
| | | 114-200 | 122-276 | 131-294 | 139-313 | 159-357 | 175-395 | 192-384 | | | | |
| | 101 | 109-218 | 117-292 | 125-312 | 133-332 | 151-378 | 167-335 | 183-229 | | | | |
| | 97-122 | 105-262 | 113-282 | 120-301 | 128-320 | 146-328 | 161-242 | | | | | |
| | 117-187 | 126-278 | 136-298 | 145-318 | 154-339 | 176-281 | 194 | | | | | |
| 114 | 124-227 | 134-245 | 144-263 | 153-281 | 163-299 | 186-248 | | | | | | |
| 9-176 | 104-191 | 112-206 | 120-221 | | 137-251 | 156-208 | | | | | | |
| | | 100-1 | 100-125 with 80 % | 6 finer than 6-7.5 mm | -7.5 mm | | | | | | | |
| | | 171 | 190-338 | 203-436 | 216-464 | 246-547 | 272-605 | 298-662 | 328-511 | | | |
| | | 174-194 | 187-374 | 200-488 | 212-519 | 242-592 | 268-654 | 293-521 | 323-359 | | | |
| | | 171-190 | 184-367 | 196-480 | 209-510 | 238-582 | 263-643 | 288-512 | 317-353 | | | |
| | | 162-253 | 174-426 | 186-455 | 198-484 | 226-552 | 249-499 | 273-364 | | | | |
| | | 197-295 | 211-440 | 226-470 | 240-500 | 274-502 | 302-403 | | | | | |
| | 192 | 207-369 | 222-396 | 237-423 | 252-450 | 287-451 | 318-363 | | | | | |
| | 195-304 | 210-328 | 225-352 | 241-376 | 256-400 | 292-401 | 323 | | | | | |
| | 211-293 | 227-316 | 244-298 | 261-290 | | | | | | | | |
| | | | | 448-588 | 477-849 | 544-968 | 601-1070 | 658-1172 | 725-1291 | 782-1393 | 849-1512 | 906-1331 |
| | | | 406 | 433-636 | 461-893 | 525-1018 | 581-1125 | 636-1232 | 700-1357 | 756-1464 | 820-1461 | 876-1286 |
| | | | 380-440 | 406-723 | 432-837 | 492-954 | 544-1055 | 596-1155 | 657-1272 | 708-1373 | 769-1370 | 821-1206 |
| | | | 400-563 | 428-786 | 455-836 | 519-953 | 573-1054 | 628-1154 | 692-1271 | 746-1372 | 810-1248 | 865-1098 |
| | | 379-424 | 407-716 | 434-765 | 462-814 | 527-928 | 582-942 | 638-789 | 702 | | | |
| | 357-395 | 385-656 | 414-704 | 442-752 | 470-800 | 535-912 | 592-857 | 649-718 | | | | |
| 80-405 | 304-517 | 328-558 | 352-598 | 376-639 | 400-680 | 455-775 | 503-728 | 551-669 | | | | |
| | | | | | 480-640 | 547-1277 | 605-1411 | 662-1546 | 730-1702 | 787-1837 | 854-1994 | 912-2128 |
| | | | | | 540-772 | 616-1232 | 681-1362 | 746-1492 | 821-1643 | 886-1773 | 962-1924 | 1027-161: |
| | | | | 541 | 576-864 | 657-1231 | 726-1361 | 795-1490 | 876-1642 | 945-1771 | 1025-1538 | 1094-123 |
| | | | | 552-613 | 587-1043 | 669-1189 | 739-1314 | 810-1440 | 892-1586 | 962-1604 | 1045-1393 | 1115 |
| | | | 514 | 549-933 | 584-993 | 666-1132 | 736-1251 | 806-1370 | 888-1420 | 958-1245 | | |
| | | 531 | 570-832 | 609-888 | 648-945 | 739-985 | 816-885 | | | | | |
| | 401-502 | 433-631 | 465-678 | 496-724 | 528-770 | 602-803 | 665-721 | | | | | |
| 54-420 | 395-532 | 426-574 | 458-616 | 489-658 | 520-700 | 593-798 | 655-882 | 718-883 | 790 | | | |
| 144 00 | 000 000 | 204 547 | AND EEA | 440-509 | ARR-630 | 534-57F | | | | | | |

the best on the market Features which make our cone crushers

An easy-to-maintain crusher, Maintenance and inspection from above.

chamber as standard. One topshell is The crusher has a CLP crushing used for all crushing chambers.

the crushing of extra-hard materials. The design also results in low mainstrength and stability necessary for The robust design provides the tenance costs. Inspection holes are provided in the bottomshell. Prepared for the installation of ASRi, the Automatic Setting Regulation

system.

- 1. Long life from liners of special alloy manganese steel.
- 2. An automatic overload protection Other sizes have an accumulator. system is standard. The CH880 has a pressure limiting valve.
- The interior of the crusher is protected from dust by a selflubricating seal ring.
- 4. The bottomshell arms have liners of special alloy steel.
 - 5. Quiet operation and long life rhanks to bevel gears with hardened, spiral-cut teeth.
- 6. Product curve and capacity can be optimized by adjusting the eccen tric bushing supplied with the crusher.
- 7. Large feed opening. The two topshell arms are protected against wear by robust liners of special alloy steel.

- 8. Mainshaft protected by replace able sleeve and inner headnut.
- maintains feed opening throughout 9. CLP crushing chamber design the entire life of the liners.
 - 10. Easy adjustment of gear backlash.
- 11. Robust design of the pinionshaft assembly. The pinionshaft and its bearings are built as a single unit which can be removed without taking the crusher apart.
- 12. Oil tank unit
- · filtration
- cooling and heating
- monitors for temperature and circulation pump
- interlocks flow rate

Lubrication

A. Separate lubrication for the spider bearing.

dependent of the crusher. The oil is lubrication even before the crusher itself is started since the pump is in-B. The oil tank unit automatically bearings. This system permits full filtered and cooled automatically. maintains oil flow to the various

and Hydroset systems is a self-conpumps, temperature and flow rate The oil tank for the lubrication monitors and electrical interlocks. tained unit incorporating filters, heating and cooling equipment,

C. The pinionshaft unit has separate lubrication.



Sandvik is a global industrial group with advanced products and world-leading positions in selected areas – tools for metal cutting, equipment and tools for the mining and construction industrics, stainless materials, special alloys, metallic and ceramic resistance materials as well as process systems. In 2009 the Group had about 44,000 employees and representation in 130 countries, with annual sales of nearly SEK 72,000 M.

Sandvik Mining and Construction is a business area within the Sandvik Group and a leading global supplier of equipment, cemented-carbide tools, service and technical solutions for the excavation and sizing of rock and minerals in the mining and construction industries. Annual sales 2009 amounted to about SEK 32,600 M, with approximately 14,400 employees.

www.sandvik.com

DESCRIPTION SYNTHETIQUE DES BROYEURS A CONE (TRADUCTION EN FRANCAIS)

Les broyeurs à cône Sandvik se distinguent pas leur structure moderne et par une forte capacité de production par rapport à leur taille. Avec l'option d'automatisation, un choix de plusieurs chambres écrasantes différentes et beaucoup d'autres fonctions très performantes, chaque modèle est polyvalent, facile d'utilisation et fortement productif.

Les broyeurs à cône sont idéaux pour les broyages secondaire et tertiaire. Leur design compact et leur simplicité d'utilisation en font un choix parfait pour des installations mobiles

Ces broyeurs garantissent une protection automatique contre les surcharges et peuvent être équipés d'un système d'arrangement automatique ASRi.

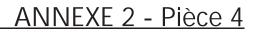
L'association des chambres écrasantes CLP et de la puissance du moteur permet une capacité de broyage qui est dans la plupart des cas comparable à celle de plus grands broyeurs.

Les avantages CLP sont :

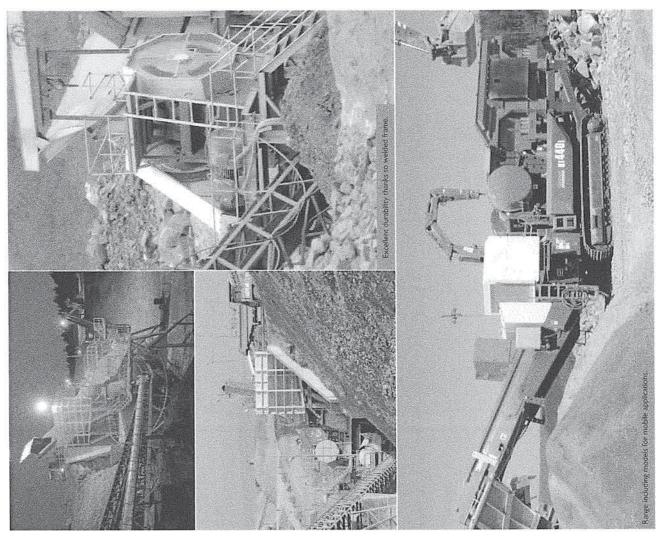
- Capacité d'acceptation d'alimentation constante,
- Production accrue,
- Produits de haute qualité,
- Le coût total le plus bas

Les broyeurs à cône Sandvik sont un excellent choix comme broyeurs secondaires en association avec un concasseur à mâchoires, ou dans la troisième ou quatrième étape écrasante.

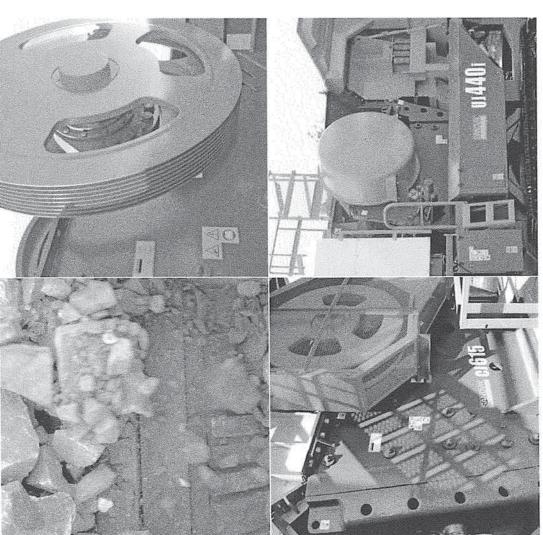
Les broyeurs sont conçus avec des parties sacrificielles pour protéger les composants principaux du broyeur comme l'armature, le balancier des mâchoires et les roulements. Ceci réduit les coûts de cycle de vie totaux de la machine et augmente son temps de fonctionnement, puisqu'il est moins cher de changer les parties sacrificielles que les composants principaux



Fiches techniques des concasseurs à mâchoires







The product of decades of experience

At Sandvik we have over a century of experience of designing and manufacturing jaw crushers. We also have a wealth of knowledge about customers' expectations and needs. This background has led to the current range of Sandvik jaw crushers which includes models specially suited for mobile applications. Strength has been increased and weight has been reduced. Sandvik's jaw crushers provide an excellent choice when high production and low total cost are sought.

ROBUST CONSTRUCTION

The Sandvik jaw crusher is a single toggle jaw crusher, characterized by attention to detail, in both design and manufacture. We have incorporated the best of the old and applied the benefits of the latest technology.

The frame consists of two side plates of rolled steel, plus hollow castings at front frame end and moving jaw which give a high rigidity/weight ratio. Large-radius transition areas reduce stress concentrations and welds are positioned in low-stress areas.

The advantage of a welded frame is that it is equally strong in all directions and ensures excellent durability against shock-loads. Thus minimizing

the risk of failure on the main-frame, as with a bolted construction.

FEA (Finite element analysis) printout showing the predicted scress distribution in a side plate.

SANDVIK JAW CRUSHER
Symmetrical crushing chamber
Symmetrical crushing chamber
COMPETITOR
COMPETITOR
Conventional crushing chamber
Standard yours wall required in the feet hopper. All of the effective feed opening is active. Platerial is crushed right at the top of the crushing chamber
COMPETITOR
Conventional crushing chamber
Cross wall required in feet hopper to protect top of moving law
Cross wall required in feet hopper to protect top of moving law
Cross wall required in feet dopening Platerial cannot be crushed until it has dropped a good distance into the crushing chamber

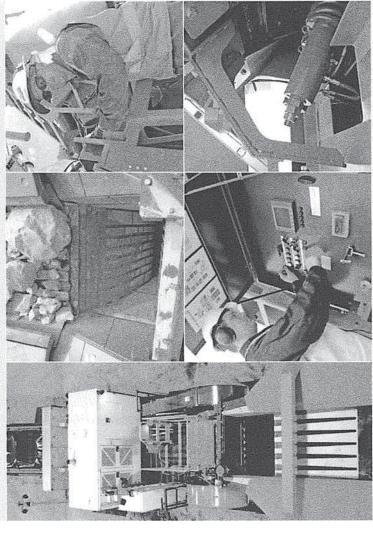
Effective feed opening

Nominal Sandvik

Sandvik

Competitor

Competitor



OPTIMIZED PERFORMANCE

- High capacity
- High reduction
- Low jaw plate wear
- Large feed acceptance capability

These four factors are closely linked and the Sandvik jaw crusher provides a good balance.

The design of the deep symmetrical crushing chamber maxi-

mizes feed size, capacity and reduction.

An optimized nip angle ensures that the material progresses smoothly down through the crushing chamber to enable high reduction, productivity and superb utilization of jaw plates.

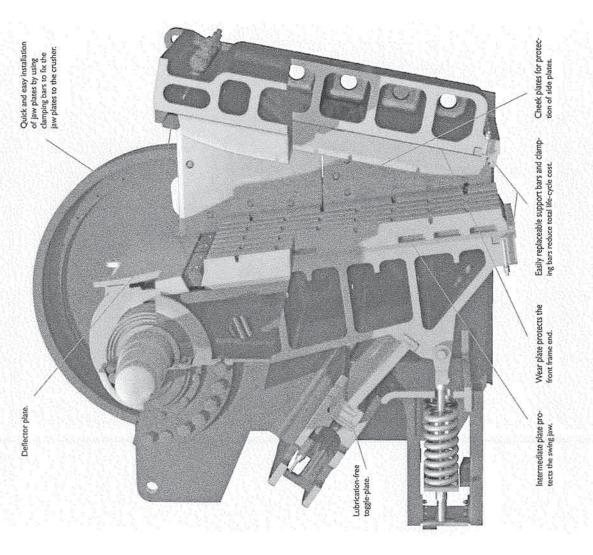
It is not just a large nominal feed opening that is necessary the feed acceptance capability depends on a feed opening which is effective and active (see illustration). All crushers in the range have an almost square feed opening so that they can accept the largest material lumps without blockages.

A thick, replaceable deflector plate protects the top of the moving jaw from the impact of the feed material. Large material lumps entering the crusher fall straight into the active region of the crushing chamber, so there is no need for a stationary cross-wall in the feed area.

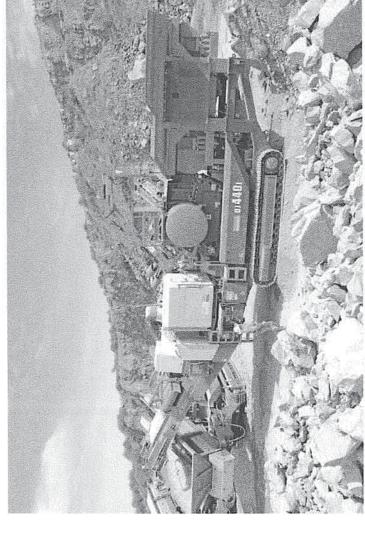
MAINTENANCE FRIENDLINESS IN FOCUS

Thanks to carefully engineered design, Sandvik's jaw crushers secure trouble-free operation and increased uptime.

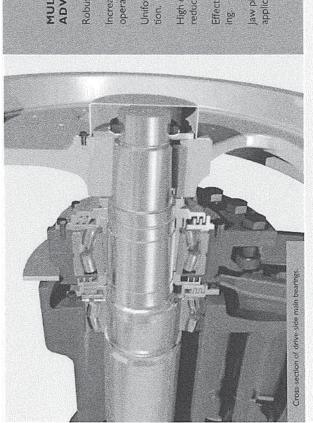
- Bearings are grease-lubricated and have grease-filled labyrinth seals to prevent the entry of dust.
- seals to prevent the entry of dust.
 As a standard, grease lubrication hoses with a central distribution block offer safety value and make it easier for the operator to grease the bearings.
- Automatic lubrication system that can be connected to existing control systems for remote alarm indication ensuring protection of the roller bearings.
- Setting adjustment made with traditional shim plates.
- Quick and easy installation of jaw plates by using clamping and support bars to fix the jaw plates to the crusher.
- Designed with sacrificial parrs to protect the main components of the crusher such as frame, swing jaw and bearings. This reduces total life-cycle costs and increases uptime, as it is less expensive to change the sacrificial parts than the main components.

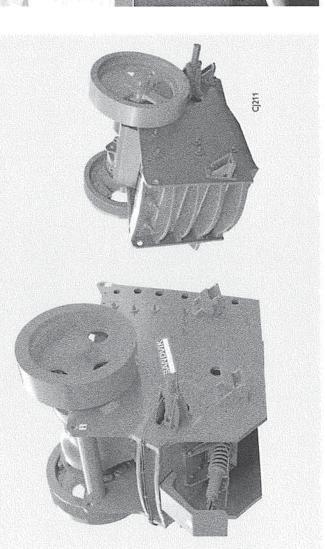












Protect your business... and your bottom line

HIGH PERFORMANCE,

COST-EFFECTIVE CRUSHING CHAMBERS

At Sandvik we have engineered rock crushers since 1896. Sandvik crushing chamber solutions are based on high-quality products with superior finish, supported by indepth knowledge of every aspect in the crushing process.

Our mission is to work together with our customers to achive the optimal crushing chamber application in terms of performance, cost-effectiveness and results.

VERSATILE RANGE OF JAW PLATES

Sandvik's wear parts are designed to give high performance and low operating costs. High quality material and experienced design ensure quality parts. Fine tuning in applications are ensured through the available range of alternative jaw plate designs.

All jaw plates are reversible. The "WT" jaw plate can also be used on both the stationary and moving jaw.

SUPPORT WHERE AND WHEN IT COUNTS

For most people, service is a matter of being available when problems occur. But we at Sandvik prefer seeing it as a matter of being proactive. Investment in, for instance, scheduled inspections and maintenance will help you protect your business from unexpected

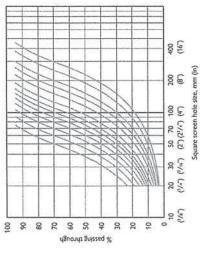
Moreover, availability of essential parts and consumables, efficient and quick logistical processes, fully trained operators... all these ensure trouble-free operations and maximize productivity.

Performance data

Product curves

The figure shows product distribution curves which are representative for medium-hard material [Impact Work Index (Wi = 16)], with approx. One of the product smaller than the crusher's Closed Side Setting (CSS).

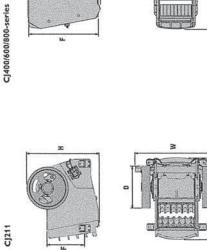
The shape of the product curve and the proportion of the product which will be smaller than the CSS depend on the characteristics of the feed material. Operation with common rock materials with different crushabilities (Work Index between 12 and 20) normally results in a product curve that is between 65% and 85% smaller than the crusher's CSS.

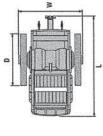


Capacity MTPH (STPH)

| Closed side setting (CSS | de | | | | Crushe | Crusher model | | | |
|-----------------------------|-----|---------------------|--------------------|---------------------|----------------------|----------------------|----------------------|----------------------|--------------------|
| - E | E . | CZTI | CLARG | C.1471 | CJ412 | CJ612 | CJ613 | 0,1615 | CJB15 |
| 40 15/ | 5/8 | 80-110 (90-120) | | | | | | | |
| 22 | 2 | 95-135 (105-150) | 85-115 (95-125) | | | | | | |
| 75 | က | 127.192 (140.212) | 106-160 | 150-200 165-220] | 165-220 (180-245) | | | | |
| 100 | v | 160-250 (175-275) | 125-200 (140-220) | 200-265 (220-290) | 220-290 (240-320) | | | | |
| 125 | ıσ | 195-310 (215-340) | 150-235 (165-260) | 245-325 (270-360) | 270-355 (300-390) | 300-395 | 330-430 (365-475) | 385-495 (425-545) | |
| 150 | 9 | 230-370 (250-410) | 175-275 (195-305) | 295-390 (325-430) | 325-430 (360-475) | 355-465 (390-515) | 385-505 (425-555) | 445-590 (490-650) | 480-625 (530-690) |
| 175 | 7 | 265-430 290-475) | 200-320 (220-350) | 340-445 (375-450) | 385-505 (425-555) | 405-530 (445-585) | 440-575 (485-635) | 505-665 (555-735) | 545-710 (600-785) |
| 200 | 8 | 300-490 | | 385-505 (425-555) | 445-580 (490-640) | 455-595 (500-655) | 495-650 (545-715) | 570-745 (630-820) | 610-800 (675-880) |
| 225 | Ø1 | | | 430-565 (475-625) | 495-650 (545-715) | 505-660 (555-730) | 550.730 (605-805) | 630-825 (695-910) | 675-885 |
| 250 | 9 | | | | 550-720 (605-795) | 560-735 (615-810) | 605-810 (670-895) | 700-920 (770-1015) | 745-975 (820-1075) |
| 275 | Ξ | | | | 605-790 (665-870) | 670-805 | (730-975) | 765-1000 (845-1100) | (905-1180) |
| 300 | 12 | | | | | | 715-960 (790-1060) | (825-1085) | (975-1280) |

The capacity figures given in the table above are approximate and are intended only to give an indication of what the crushers can be expected to produce. They apply for the open-circuit crushing of dry blasted grante with a builk density of 1600 kg/m² (100 bs/k²) and a maximum size which can be feed into the crushing chamber without difficulty. The lower values apply for a feed from which the material finer than the crusher's CSS has been removed. The higher values apply for a feed which includes the fine material. The minimum CSS at which the crusher can be operated depends on the feed size distribution, the material's crushability (Wt), the degree of contamination and moisture in the feed, the type of jaw plates fitted and the condition of the manganese.





Other data

| | | | | Crusher model | del | | | |
|-------------------------------|-------------------|------------------|-------------------|----------------|---|--------------------|--------------------|--------------------|
| | trz13 | 03409 | 6,441 | CJ412 | CJ612 | CJ613 | 0.1615 | CJ615 |
| Feed opening mm in | 1100x700 43x27 | 895x660 35x28 | 1045x840 41x33 | 1200x830 | 1200x1100 47x43 | 1300x1130 51x45 | 1500x1070 59x42 | 1500×1300 59×51 |
| L = Max length m in | 2.39 | 255 | 2.99 | 3.23 1.27 | 361 | 3.76 | 161 | 450 |
| W = Max width m in | 2.45 96 | 7.88 | 2.09 | 2.57 | 235 | 2.47 | 3.00 | 2.90 |
| H = Max height m in | 2.17 86 | 2.38 | 2.82 | 2.95 116 | 351 | 3.85 152 | 3.33 | 4.19 |
| D = Flywheel diam. m in | 123 | 1,60 | 1.86 74 | 1.86 | 1.86 | 2.17 | 1.76 07 | 217 86 |
| F = Feed height m in | 1.12 | 1.58 | 1.88 7.4 | 26.1 57 | 2.50 98 | 2.68 | 2.39 | 3.05 |
| Shipping volume m³ tt² | 14.1 | 13 | 754 | 23 810 | 32 1127 | 1329 | 48 1690 | 58 2042 |
| CSS min-max mm in | 40:200 | 50-175 | 76-225 | 75-275 3-11 | 125-275 5-11 | 125-300 5-12 | 125-300 5-12 | 150-300 6-12 |
| Total weight kg ltss | 15000 33100 | 14500 | 22000 48500 | 27000 59500 | 39000 | 44000 97000 | 54000 | 142200 |
| Motor power kW hp | 90 551 | 82 to 1 | 110 | 132 200 | 79 79 79 79 79 79 79 79 79 79 79 79 79 7 | 160 250 | 200 275 | 200 |
| Crusher speed rpm | 270 | 270 | 240 | 240 | 210 | 225 | 200 | 200 |
| | | | | | | | | |

materials as well as process systems. In 2011 the Group had about 50,000 employees and representation in 130 countries, with annual world-leading positions in selected areas - tools for metal cutting, stainless materials, special alloys, metallic and ceramic resistance equipment and tools for the mining and construction industries, Sandvik is a global industrial group with advanced products and sales of more than 94,000 MSEK.

civil engineering. The range of products includes rock tools, drilling machinery. In 2011 sales amounted to more than 9,000 MSEK, with ing, tunneling, excavation, demolition, road building, recycling and rigs, breakers, bulk-materials handling and crushing and screening providing solutions for virtually any construction industry application encompassing such diverse businesses as surface rock quarry-Sandvik Construction is a business area within the Sandvik Group approximately 2,600 employees (pro forma rounded numbers).



SANDVIK CONSTRUCTION, TEL. +46 40 40 68 00. FAX +46 40 40 68 98. construction, sandvik.com

DESCRIPTION SYNTHETIQUE DES CONCASSEURS A MACHOIRES (TRADUCTION EN FRANCAIS)

Le concasseur à mâchoires Sandvik est un concasseur à bascule simple, caractérisé par l'attention portée aux détails, tant dans la conception que dans la fabrication.

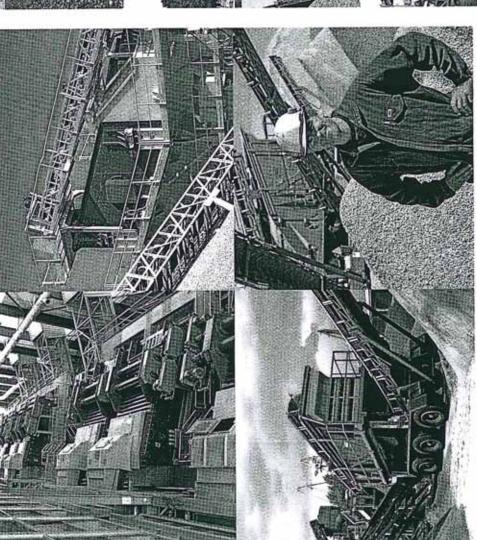
Son armature soudée permet le maintien d'une puissance constante quelle que soit la direction choisie et une grande résistance contre les chocs, minimisant ainsi le risque de dommages sur l'unité centrale.

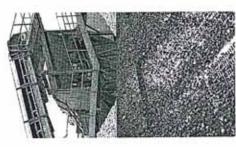
Des performances optimisées :

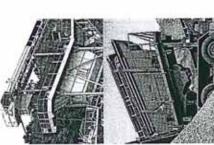
- Grande capacité,
- Efficacité de réduction,
- Plaques d'usure des mâchoires droites,
- · Capacité d'alimentation élevée,
- La conception de la chambre écrasante symétrique maximise la taille et la capacité d'alimentation.
- L'angle d'écrasement optimisé assure que les matériaux progressent sans à-coups dans la chambre écrasante pour permettre une réduction efficace, une productivité accrue et une utilisation optimale des plaques des mâchoires,
- Tous les broyeurs de la gamme ont une ouverture d'alimentation presque carrée pour qu'ils puissent accepter les plus grandes masses possibles de matériaux sans blocage,
- Une plaque de déflecteur épaisse et remplaçable protège le sommet de la mâchoire des impacts des matériaux.

Fiches techniques des cribles

Sandvik Screens









A great range of screens for all applications

Sandwik offers you a wide range of quality screens. But that is not all, all, and you our sales people have a long experience with numerous types of screens and are well qualified to help you select the right equipment for your plant. Sandwik has supplied customers with crushing & screening equipment for over half a century. Whether you need a stand-alone screen or a complete process solution, Sandwik can provide you with equipment that is casy to install and fully functioning from day one.

SCREENS FOR ALL APPLICATIONS

Wheating equipment commonly used for separating different grades of crushed minerals uses either stratification (screening with a vibrating bed) or free-fall

screening.

Conventional screens used in the aggregate industry have great versatility as regards reparation limits and material size processed. They work on the stratification principle; the vibration of the machine sifts the material basses through the coarser material, This enables the coarser material. This enables particles smaller than the mesh of

the screen to pass through it.
Screens operating on the freefall principle have been developed
as an alternative to conventional
screens. They are used successfully
in both mobile and stationary

plants. Sandvik have further developed simple free-fall screening by building each dock in several sections and optimizing the inclination of the dock sections. Free-fall screens can be built much shorter and with smaller footprint than conventional screens of comparable capacities.

Sometimes, non-abrasive, soft or sticky materials and materials with high moisture content are best screened with equipment that does not rely on vibration as an operating principle. Sandvik offers roller screens that are ideal for careful screening of such materials.

A FULL RANGE OF SCREENING MEDIA

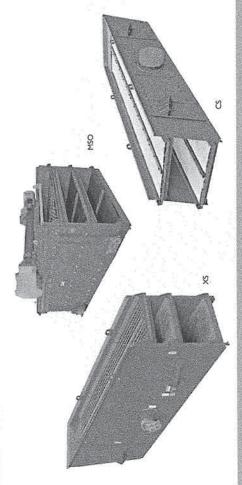
A reliable, efficient screen is not the only thing you need for optimizing your screening process. An efficient screen also needs efficient wear protection, dust encapsulation and screening media products, thus satisfying increased requirements for clean ait, efficient production and high up-time.

outchord and night up-tune.
Sandvik has a full range of
screening media for vibrating
screens, in polyurethane and other
rubber qualities.

Take a closer look at the Sandvik range of machines and media. The people at Sandvik are the people who can help you optimize your screening process!

SANDVIK

Sandvik Circular motion screens



Inclined circular-motion screens for extra heavy-duty, heavy-duty, medium and fine screening applications. MSO models have a variable-ellipse motion

XS PRIMARY SCREEN The primary XS screens are circular

motion inclined screens with two or three decks, and can be fitted with wire mesh, polyurethane and rubber screening media or steel plate on the top deck. They are heavy and have more powerful motos and drives than a regular circular motion screen. The primary screens have been designed for screening immediately after a primary crushing operation, allowing a maximum feed size of up to 400 mm.

CS CLASSIFICATION SCREEN

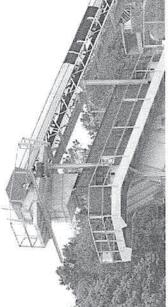
The CS classification screens are intended for heavy-duty, medium and fine screening applications. The screens are circular motion inclined screens

in two, three and four deck designs. Standard inclination is 18-20 degrees, depending on the size of the machine. The decks can be equipped with any kind of modern screening media of polyurethane and rubber, wire mesh or steel plate.

The CS range of screens is built for general quarrying applications and with a separation range from 80 mm to 2 mm. The maximum feed size is generally limited to 150 mm, depending somewhat on the selected screening media. The CS screens to divide flows within a plant and are frequently used for final screening of finished fractions. This range is also available with a successful water spray system.

MSO CLASSIFICATION SCREEN

The MSO inclined screen has circu-lar motion stroke in the center of the screen and elliptical stroke at the using the same mechanism as the LF feed and discharge end. The primary advantage of that is that it increases effect of these aspects will result in a available with 1, 2 or 3 decks in the while at the same time it decreases end. It is evident that the combined size of up to 300 mm and a separathe material speed at the discharge more accurate screening, especially screen, MSO has a maximum feed The MSO is a classification screen the material speed at the feed end standard range of screens and half with short fractions. Screens are decks are available as an option. tion of 140-2 mm.



Sandvik's circular motion screens are the product of an over thirty years of continuous development of state-of the art simulation

All critical components have been fieldtested with various applications. The results have been subject to careful analysis and compared with our customers' experience and requirements.

Sandvik screens have shown themselves to be extremely reliable, economic, easy to use and suitable for most applications.

CLASSIFICATION SCREEN MSO

| Model | Dimensions width x length mm | Type 5, 1-d Weight kg | Type D, 2-d Weight kg | Type T, 3-d Weight kg |
|---------|------------------------------------|-----------------------------|-----------------------------|-----------------------------|
| MSO1030 | 1020 x 3000 | 1630 | 2200 | 2780 |
| MSO1230 | 1220 × 3000 | 1720 | 2400 | 1 |
| MSO1240 | 1220 × 4000 | 2320 | 2900 | 3920 |
| MSO1540 | 1520 × 4000 | 2620 | 3530 | 4510 |
| 4SO1550 | 1520 × 5000 | 3145 | 4020 | 5140 |
| 4SO1850 | 1820 × 5000 | 3890 | 4780 | 7520 |
| MSO1860 | 1820 × 6000 | 4375 | 0989 | 8280 |
| 4SO2160 | 2120 × 6000 | 4800 | 2660 | 0686 |
| 4SO2460 | 2420 × 6000 | 5410 | 8830 | 11550 |
| 4SO2470 | 2420 × 7000 | , | 10200 | 1 |

PRIMARY SCREEN XS

| Model | Dimensions, mm width x length | Weight kg |
|----------|----------------------------------|--------------|
| XS 43 D | 1200 x 3600 | 3480 |
| XS 43 T | 1200 × 3600 | 3840 |
| XS 63 D | 1500 × 4200 | 4700 |
| XSGIT | 1500× | 6140 |
| XS 86 D | 1800 × | 6270 |
| XS 86 T | | 8370 |
| XS 108 D | | 8890 |
| XS 108 T | | 10500 |
| XS 126 D | 2100 × 6000 | 10300 |
| XS 126 T | | 13800 |
| XS 144 D | | 9850 |
| XS 144 T | 2400 × 6000 | 16000 |

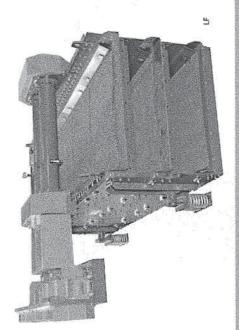
CLASSIFICATION SCREEN CS

| C C S T D 900 × 3000 1700 1700 1700 1700 1700 1700 1700 | | Model | Dimensions, mm width x length | Weight kg | |
|--|-----|----------|----------------------------------|--------------|--|
| 36 D 100x 3000 36 Q 120x 3000 36 Q 120x 3000 36 Q 120x 3600 44 T 120x 3600 44 T 120x 3600 44 T 120x 3600 54 D 120x 3600 55 D 120x 3600 55 D 120x 3600 55 D 120x 4200 55 D 120x 4200 56 D 120x 4200 57 D 120x 4200 58 D 120x 4200 58 D 120x 4200 59 D 120x 4200 50 D 120x 420x 4200 50 D 120x 4200 50 D 120x 4200 50 D 120x 4200 50 D 120x 420x 4200 50 D 120x 420x 4200 50 D 120x 420x 4200 50 D 120x 420x 420x 420x 420x 420x 420x 420x 4 | | CS 27 D | 900 × 3000 | 1700 | |
| 3.6 D 1200×3000 3.6 C 1200×3000 4.1 D 1200×3000 4.2 D 1200×3600 4.3 D 1200×3600 4.4 T 1200×3600 5.4 D 1200×3600 5.4 D 1200×3600 5.4 D 1200×3600 5.5 D 1200×4200 5.5 D 1200×4200 5.5 D 1200×4200 5.5 D 1200×4200 5.5 D 1200×4200 5.6 D 1200×4200 5.7 D 1200×4200 5.8 D 1200×4200 5.9 D 1200×4200 5.0 D | | CS 27.T | 900 × 3000 | 2080 | |
| 3.6.7 1200×3000 3.6.Q 1200×3000 4.1 1200×3600 4.1 1200×3600 4.2 1200×3600 4.3 1200×3600 4.3 1200×3600 4.3 1500×3600 4.3 1500×3000 4.3 1500×3000 4.3 1500×4000 7.2 1500×4000 7.2 1500×4000 7.3 1500×4000 7.4 1500×4000 7.5 1500×4000 7.5 1500×4000 7.6 1500×4000 7.7 1700×4000 7.7 1700×4000 7. | | CS 36 D | 1200 × 3000 | 1875 | |
| 3.6 Q 1200 x, 3000 4.1 T 1200 x, 3600 4.2 T 1200 x, 3600 4.3 C 1200 x, 3600 4.4 T 1500 x, 3600 4.4 T 1500 x, 3600 4.5 T 1500 x, 3600 4.5 T 1500 x, 4200 4.5 T 1500 x, 4200 4.6 T 1500 x, 4200 4.6 T 1500 x, 4200 4.7 T 1500 x, 4200 4.7 T 1500 x, 6000 4.7 T 1600 x, 6000 4.7 T 17 T 1600 x, 6000 4.7 T 17 T 1600 x, 6000 4.7 T 17 T 17 T 1600 x, 6000 4.7 T 17 T | | CS 36 T | 1200×3000 | 2300 | |
| 43D 1200×3600 43C 1200×3600 54D 1500×3600 54T 1500×3600 54T 1500×3600 63T 1500×4200 63T 1500×4200 63C 1500×4800 72D 1500×4800 72 | | CS 36 Q | 1200 × 3000 | 2920 | |
| 437 1200×3600 441 1500×3600 541 1500×3600 541 1500×3600 541 1500×3600 542 1500×4200 543 1500×4200 543 1500×4200 544 1500×4200 545 1500×4200 546 1500×4200 547 1500×4200 548 1500×4200 54 | | CS 43 D | × | 2200 | |
| 44.0 1200×3600 54.1 1500×3600 55.1 1500×3600 55.2 1500×4200 55.2 1500×4200 55.3 1500×4200 55.3 1500×4200 55.4 1500×4200 55.4 1500×4200 55.4 1500×4800 55.4 1 | | CS 43 T | 1200 × 3600 | 2770 | |
| 54 D 150x 3600 63 D 150x 3600 63 T 150x 4200 63 T 150x 4200 63 T 150x 4200 63 T 150x 4200 72 D 150x 4800 72 T 150x 4800 72 T 150x 4800 86 D 180x 4800 86 D 180x 4800 1175 D 210x 6000 116 D 180x 6000 116 D 180x 6000 116 D 210x 6000 117 D 240x 7200 | 20 | CS 43 Q | 1200 × 3600 | 3480 | |
| 63.D 1500×300 63.T 1500×4200 63.Q 1500×4200 72.D 1500×4800 72.T 1500×4800 72.C 1500×4800 86.D 1800×4800 86.C 1800×4800 86.C 1800×4800 108.T 1800×6000 108.T 1800×6000 112.D 2100×6000 112.D 2100×6000 113.D 2400×6000 114.D 2400×7000 114.D 2400×7000 114.D 2400×7000 114.D 2400×7000 | ks | CS 54 D | 1500 × 3600 | 2350 | |
| 63.7 1500×4200 63.7 1500×4200 72.0 1500×4800 72.1 1500×4800 72.1 1500×4800 86.2 1500×4800 86.2 1800×4800 1800×4800 1800×4800 1800×4800 1800×4800 1800×4800 1800×4800 11800×4800 | us. | CS 54 T | 1500 x 3600 | 2920 | |
| 63 Q 150×4200 63 Q 1500×4200 72 D 1500×4800 72 D 1500×4800 86 D 1800×4800 86 D 1800×4800 86 Q 1800×4800 86 Q 1800×4800 100 D 1800×4800 101 D 1800×4800 102 D 1800×6000 103 D 100×6000 104 D 2100×6000 105 D 2100×6000 105 D 2100×6000 106 D 1800×6000 114 D 2400×6000 114 D 2400×7000 114 D 2400×7000 114 D 2400×7000 114 D 2400×7000 114 D 2400×7000 114 D 2400×7000 114 D 2400×7000 115 D 2400×7000 | | CSGD | 1500 × 4200 | 3250 | |
| 63 Q 1500 x 4200 72 D 1500 x 4800 72 D 1500 x 4800 72 D 1500 x 4800 86 D 1800 x 4800 86 O 1800 x 4800 108 D 1800 x 6000 108 D 1800 x 6000 108 D 1800 x 6000 115 Q 2100 x 6000 114 D 2400 x 2000 114 D 2400 x 6000 114 D 2400 x 6000 | | CS 63.T | 1500×4200 | 4130 | |
| 72D 1500×4800 72C 1500×4800 86D 1800×4800 86T 1800×4800 86Q 1800×4800 108D 1800×6000 108T 1800×6000 116G 1800×6000 116G 2100×6000 116G 2100×6000 1173D 2400×6000 114T 2400×6000 | | CS 63 Q | 1500 × 4200 | 5400 | |
| 727 1502×4800 86 D 1800×4800 86 T 1800×4800 86 T 1800×4800 108 C 1800×4800 108 T 1800×6000 108 T 1800×6000 116 D 2100×6000 116 D 2100×6000 116 D 2100×6000 117 D 2400×6000 114 D 2400×6000 114 D 2400×6000 114 D 2400×6000 114 D 2400×6000 114 T 2400×6000 114 D 2400×7000 114 D 2400×7000 115 D 2400× | | CS 72 D | 1500 x 4800 | 3900 | |
| 250 4800 4800 86 T 1800 x 4800 86 T 1800 x 4800 86 T 1800 x 4800 108 T 1800 x 6000 108 T 1800 x 6000 116 T 2 1100 x 6000 114 T 2 2400 x 6000 1173 T 2 2400 x 6000 1173 C 2400 x 7200 117 | 100 | CS72T | 1500 × 4800 | 4970 | |
| 86 D 1800×4800 86 Q 1800×4800 100 D 1800×6000 100 D 1800×6000 100 T 1800×6000 115 D 2100×6000 115 D 2100×6000 114 D 2400×6000 114 D 2400×2000 114 D 2400×2000 115 D 2400×200 115 D 2400×200 | | CS 72 Q | 1500 × 4800 | 6400 | |
| 86.7 1800×4800 180.0 4800 108.7 1800×6000 108.7 1800×6000 126.0 2100×6000 126.0 2100×6000 126.0 2100×6000 144.0 2400×6000 144.0 2400×6000 144.0 2400×6000 144.0 2400×6000 144.1 2400×6000 144.2 2400×6000 144.2 2400×6000 144.2 2400×6000 144.3 2400×6000 144.3 2400×2000 145.3 2400×2000 173.7 2400×2000 173.7 2400×7000 173.7 2400×7000 173.0 2400×7000 173.0 2400×7000 | 1 | CS 86 D | 1800 × 4800 | 4210 | |
| 86.Q 1800×4800 108 T 1800×6000 108 T 1800×6000 118 D 2100×6000 115 Q 2100×6000 114 D 2400×6000 114 T 2400×6000 114 T 2400×6000 114 T 2400×6000 114 T 2400×6000 114 Q 2400×6000 | | CS 86.T | 1800 x 4800 | 5450 | |
| 108 D 1800 x 6000 108 T 1800 x 6000 126 D 2100 x 6000 126 D 2100 x 6000 115 Q 2100 x 6000 144 D 2400 x 6000 144 D 2400 x 6000 144 D 2400 x 6000 145 D 2400 x 6000 145 D 2400 x 6000 147 D 2400 x 6000 147 D 2400 x 6000 147 D 2400 x 6000 173 D 2400 x 7200 173 Q 2400 x 7200 173 Q 2400 x 7200 | | CS 86 Q | 1800 × 4800 | 2000 | |
| 108 T 1800×6000 126 D 2100×6000 126 D 2100×6000 126 D 2100×6000 126 Q 2100×6000 144 D 2400×6000 144 Q 2400×6000 144 Q 2400×6000 144 Q 2400×7000 173 D 2400×7000 173 Q 2400×7000 173 Q 2400×7000 | | CS 108 D | 1800 × 6000 | 6640 | |
| 108 Q 1800×6000 176 D 2100×6000 176 D 2100×6000 144 D 2400×6000 144 T 2400×6000 144 T 2400×6000 145 D 2400×6000 147 D 2400×6000 173 D 2400×7000 173 D 2400×7000 173 Q 2400×7000 | | CS 108 T | 1800 × 6000 | 8980 | |
| 126 D 2100×6000 126 T 2100×6000 144 D 2400×6000 144 T 2400×6000 144 T 2400×6000 147 D 2400×6000 143 D 2400×7200 173 Q 2400×7200 | | CS 108 Q | 1800 × 6000 | 10060 | |
| 126 2 2100 x 6000 1126 Q 2100 x 6000 1141 D 2400 x 6000 144 T 2400 x 6000 144 Q 2400 x 6000 147 D 2400 x 7200 173 Q 2400 x 7200 X 2400 x 7200 173 Q 2400 x 7200 X 2400 X 2400 X 2400 X 2400 X 24 | | CS 126 D | 2100 × 6000 | 7300 | |
| 126 Q 2100×6000 1 144 D 2400×6000 1 144 Q 2400×6000 1 144 Q 2400×7000 1 173 D 2400×7200 1 173 Q 2400×7200 1 | | CS 126 T | 2100 × 6000 | 10200 | |
| 144 D 2400×6000 144 T 2400×6000 174 Q 2400×6000 1 173 D 2400×7200 1 173 T 2400×7200 1 173 Q 2400×7200 1 | | CS 126 Q | 2100 × 6000 | 11500 | |
| 1447 2400×6000 1 144Q 2400×6000 1 173D 2400×7200 1 173T 2400×7200 1 | | CS 144 D | 2400 × 6000 | 8200 | |
| 144 Q 2400 × 6000 1 173 D 2400 × 7200 1 173 T 2400 × 7200 1 173 Q 2400 × 7200 1 | | CS 144 T | 2400 × 6000 | 11000 | |
| 173 D 2400×7200 173 T 2400×7200 173 Q 2400×7200 | | CS 144 Q | 2400 × 6000 | 15500 | |
| 173.T | | CS 173 D | 2400 × 7200 | 10400 | |
| 1730 | | CS 173 T | 2400 × 7200 | 14100 | |
| | | CS 173 Q | 2400 × 7200 | 16100 | |

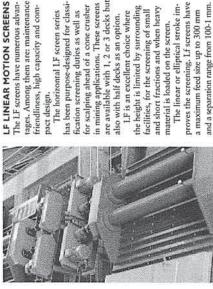


SANDVIK MINING AND CONSTRUCTION AB. TEL +46 40 40 68 00. FAX +46 40 40 68 98.

Linear motion screens Sandvik



LF-series horizontal screens, for accurate secondary screening and final sizing, as well as for scalping ahead of cone crushers in mining applications



LF LINEAR MOTION SCREENS The LF screens have numerous advan-

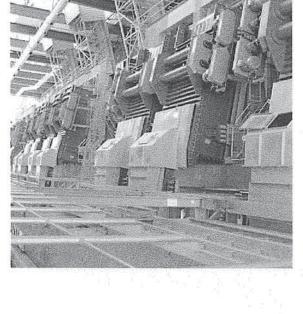
The screen performance can easily be modified according to existing conditions by adjusting the following sion timing belt pulley) and the shape of the stroke (i.e. from "thin" ellipse spring seats), stroke angle (i.e. move-able vibrating mechanism), stroke factors: screen angle (i.e. adjustable length, rotation speed (i.e. transmis **ADJUSTABILITY** to linear). in mining applications. These screens are available with 1, 2 or 3 decks but tages. Among them are: maintenance has been purpose-designed for classifor scalping ahead of a cone crusher friendliness, high capacity and com-The horizontal LF screen series fication screening duties as well as

MINING VERSION

1.F is an excellent choice where

box decks and sides with replaceable The I.F screens have been successfully rubber liners, wear guard heavy duty deck protection, thicker rubber liner at the bottom of the feed box, etc. cludes among others: discharge/feed components, the mining version inused in heavy mining applications. Apart from all standard delivery

The linear or elliptical stroke im-



LINEAR MOTION SCREEN

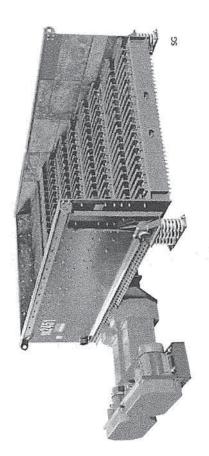
| Model | Dimensions | Type S, 1-d | Type D, 2-d | Type T, 3-d |
|------------|----------------------|-------------|-------------|-------------|
| | width x length mm | Weight | Weight | Weight |
| F1030 | 1020 × 3000 | 1990 | 2450 | 3040 |
| F1230 | 1220 × 3000 | 2130 | 2770 | • |
| F1240 | 1220 x 4000 | 2645 | 3530 | 4250 |
| F1540 | 1520 × 4000 | 2890 | 3880 | 4680 |
| .F1550 | 1520 × 5000 | 3770 | 4350 | 0009 |
| F1850 | 1820 × 5000 | 4220 | 5160 | 7275 |
| F1860 | 1820 × 6000 | 4700 | 0899 | 10100 |
| F2160 | 2120 × 6000 | 5150 | 7460 | 11810 |
| .F2460 | 2420 × 6000 | 6580 | 11000 | 13340 |
| .F2470 | 2420×7000 | 7280 | 12200 | 15650 |
| .F2770 | 2720 × 7000 | | 14350 | * |
| F3070 | 3020 × 7000 | | 15430 | 1 |
| Mining ver | sions | | | |
| F2442 | 2420x4200 | | 10660 | 1 |
| F2460 | 2420x6000 | 1 | 12620 | 1 |
| F3060 | 3020x6000 | 13790 | 18750 | |

All dimensions are inside dimensions.



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Grizzly screens Sandvik



with the main purpose of removing fines from the feed before primary crushing Robust grizzly screens for tough primary screening of blasted rock, ripped rock or gravel with a high fines content, as well as designed for heavy duty scalping,

SG-H GRIZZLY SCREEN

SG GRIZZLY SCREENS

The SG-H circular motion screens are recommended for installation between a primary feeder and a primary crusher.

remain constant while the feed rate is adjusted by varying the feeder speed providing efficient separation or plate type of scalping deck with the option of a second deck with Typical feed material is blasted rock, ripped rock or gravel with high fines content, often containin woven wire. SG-H screens immedi-The stroke and speed of the screen difficult wet natural fines or clay. These screens have a single grizzly mary feeder with a built-in grizzly. more effective scalping than a priately after a primary feeder give

consequently means better feeding as well as a sustained material speed on

generates an elliptical stroke, which

pan. The double shaft mechanism

and high capacities are required.

the screen. The screens are available single deck models, depending on the

with 2, 3 and 4 grizzly steps for the

grizzly steps on the top deck and wire or rubber media on the bottom deck. The drive unit incorporates and MSO screens. SG has a maximum feed size of up to 500 mm and a separation of up to 250 mm. The components of the mechanism size of the screen. The double deck are mainly the same as for the LF meaning that neither gearbox nor mechanism is self-synchronizing. models are equipped with three two motors with cardan shafts, gearwheels are necessary - the All SG screens have their vibrating table feeders when heavy dump loads mechanism mounted under the feed

pose of removing fines from the feed before primary crushing. In conjunc-tion with a facility for bypassing fines ahead of the crusher, SG screens been designed specifically for heavy The SG linear motion screens have can be combined with reciprocating scalping duties with the main pur-

SGAND SG-H GRIZZLY SCREEN

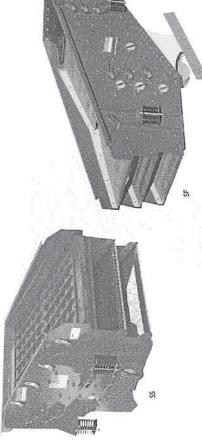
| | (width x length) | Weight Weight | lype D, 2-d Weight kg |
|-----------------|------------------|------------------|-----------------------------|
| SG1231 | 1220 × 3000 | 3500 | , |
| SG1242 | 1220 x 3900 | | 2000 |
| SG1531 | 1520 × 3000 | 4000 | |
| SG1831 | 1820×3000 | 5200 | |
| SG1541 | 1520 x 3900 | 2000 | |
| SG1542 | 1520 × 3900 | | 6200 |
| SG1841 | 1820 × 3900 | 0009 | 1 |
| SG1842 | 1820×3900 | 1 | 2000 |
| SG2141 | 2120×3900 | 7500 | |
| SG1851 | 1820 × 4800 | 8500 | 1 |
| SG2151 | 2120 × 4800 | 9300 | 1 |
| SG2451 | 2420 × 4800 | 10500 | |
| Mining versions | lons | | |
| SG1241H | 1200 × 3600 | 4330 | |
| SG1242H | 1200 × 3600 | 4600 | |
| SG1541H | 1500 × 4000 | 8850 | |
| SG1542H | 1500 × 4000 | 9410 | |

All dimensions are inside dimensions.



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Free-fall screens Sandvik



Compact, high-capacity screens with steeply inclined decks and a linear throw; SS models for scalping after crushers and for closed-circuit screening, SF models also for final sizing

ables quick removal of large amounts of fines, using steeply inclined decks since the velocity of oversize particles is quite high, each particle has a limitperpendicular to the deck. The free-fall screening principle has unique The free-fall screening principle ened number of chances to pass a slot. and effective linear stroke almost accuracy characteristics. Indeed,

deck(s).

SS FREE-FALL SCREEN

The main advantage of the SS screens is their ability to handle large loads This screen is often used instead of a slot sizer for removal of natural fines material despite their modest size. material for different crushing stages before crushers, for separation of and for final products of natural

action in the first section and a more

two different screening sections on each deck. This provides a free-fall screen. The SF screen incorporates

section. The result is a combination

accurate stratification in the second

zontal screening. Another positive side effect is the compactness of the ing and final product screening of gravel). Suitable screening media are rubber, wire or plate elements for the top deck, and wire mesh at the lower gravel (scalping, closed circuit screen-

machine.

normally used after larger crushers, giving a maximum feed size of over

150 mm.

The heavy-duty version SS-H is

than with a conventional screen, but with the same width throughput caaccurate sizing, making possible much igure will be even greater with evaluation of a complete station, due to giving extremely low dynamic loads to the structure. Offered in three sizes, SF screens its light-weight design, consequently pacity and screening accuracy. This shorter construction of the screen combine quick fines removal and

SF FREE-FALL SCREEN
SF screens share some of the same
basic design principles of the SS

of the high capacity associated with free-fall screening and the good sepa-ration accuracy known from hori-

stratification screening with a bed throughput capacity and screening without a bed on the first part of SF screens use free-fall screening quick fines removal and accurate sizing, making possible much screen, but with the same width screen than with a conventional each deck, but combine it with Therefore, SF screens combine shorter construction of the on the final part.



Free-fall screening ensures that each stone can pass the screen

creating a bed of material.

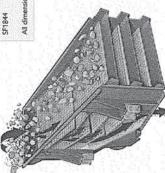
than conventional screens.

ensures a free flow of material through all the decks, SS free-fall construction and more compact

screens can be of much shorter

The free-fall screening principle

All dimensions are inside dimensions.

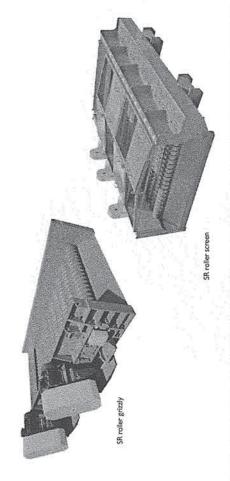


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SANDVIK

9100 1500 2400 3500 6700

Roller screens Sandvik



Compact, non-vibrating roller grizzlies and screens for non-abrasive materials such as coal and limestone, excellent tolerance of wet and sticky materials

SR ROLLER GRIZZLY

sion index (Ai) below 0.03, such as limestone and coal. The roller grizzly is compact and its ability to handle high capacities and moist material has been proven in many applications. for scalping and screening duties of low abrasive materials with an abra-The roller grizzly has been designed It is available for both primary and secondary duties, depending on the maximum feed size.

In order to achieve the best possi-ble screening results it is important to spread the feed along the entire width of the screen. The drop height of the material should be as low as possible

best used for secondary applications, coal. The roller screen with elliptical

for instance when screening washed rollers is suited for 4-20 mm screen-

ing, such as screening in one dimen-sion only.

able sizes in coal-fired power plants. after-screen. A pre-crusher might be down existing coal lumps to acceptother impurities to be rejected. The sensitivity of the release mechanism necessary to put on top of the pre-The roller screen crusher has been pre-screen, two crusher drums and to enable wood pieces, stones and complete with dust encapsulation, The roller screen crusher comes

ROLLER SCREEN CRUSHER

ties of washed coal as well as to crush screen if many lumps are present, for instance with frozen coal. The crushespecially designed to remove impurier drums have a releasing mechanism is adjustable.

> pact size and high capacity range make these screens highly competitive.
>
> The roller screen with casted discs and spacers has been built for ROM (run of mine) coal screening. The roller screen with steel tube rollers is

to the support structure and the com-

content. No vibration is transferred is sticky and exhibits high moisture

superior to vibrating equipment and minimize blinding when the material

Roller screens have been primarily designed for coal, lignite and lime-

SR ROLLER SCREENS

stone screening. These screens are



| Model | Dimensions, mm width x length | Weight kg | Model | Dimensions, mm width x length | ¥ t |
|--------|----------------------------------|--------------|--------|----------------------------------|------------|
| SR ROL | SR ROLLER GRIZZLY | | SR ROL | SR ROLLER SCREEN | |
| SR1221 | 1200 × 2000 | 7200 | SR1234 | 1200×2500 | - |
| SR1521 | 1500 × 2000 | 2900 | SR1534 | 1500 × 2500 | |
| SR1821 | 1800 × 2000 | 8600 | SR2144 | 2100 × 4000 | ~ |
| SR2121 | 2100 × 2000 | 9300 | SR2454 | 2400 × 5000 | ¥ |
| SR2421 | 2400 × 2000 | 10000 | SR2464 | 2400 × 6000 | - |
| SR1541 | 1500 × 4000 | 14500 | SR2474 | 2400 × 7000 | Ŧ |
| SR1841 | 1800 x 4000 | 15500 | SR1035 | 1000 × 2500 | |
| SR2141 | 2100 × 4000 | 16500 | SR1535 | 1500 × 3000 | |
| SR2441 | 2400 × 4000 | 18500 | SR2045 | 2000 × 4000 | |
| SR1861 | 1800 x 6000 | 24500 | SR2065 | 2000 × 6000 | ÷ |
| SR2161 | 2100 × 6000 | 26500 | SR1238 | 1200 × 2500 | |
| SR2461 | 2400 × 6000 | 28500 | SR1538 | 1500 × 3000 | |
| | | | SR2048 | 2000 × 4000 | |
| | | | SR2068 | 2000 × 6000 | - |
| | | | SR2478 | 2400 × 6500 | + |
| | | | ROLLER | ROLLER SCREEN CRUSHER | USHER |
| | | | SR1039 | 1000 × 2500 | 8 / 0008 |
| | | | SR1539 | 1500 × 3000 | 9800 / 11 |
| | | | SR1549 | 1500 × 4000 | 10950 / 12 |
| | | | SR2049 | 2000 × 4000 | 11700/13 |
| | | | SR2069 | 2000 × 6000 | 14900 / 16 |

All dimensions are inside dimensions.



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Selection Guide Sandvik Screening Media

| Special screening media | ing rubber screening media with redbble | supporting screening media | Dq Solnesons Sibem | rubber screening media | Tensioned PU screening niedia | Tensioned rubber screening media | Uq PU Schooling Sibern | Modular screening media | Modular sard-blinding screening sibem | Modular rubber screening media | |
|--|--|--|---|---|--|---|---|--|--|---|-------------------------------|
| lsnR | Primary, Secondary | Primary, Yrebnoses | Intermediate Isofi bas | Secondary, intermediate | Intermediate Isnii bris | staibermetrial lanit bras | leni? | Intermediate Isnil bns | leniA | essibermestal leaft bas | Anp Sujueaus |
| 05-01 | 75 - 400 | 150 - 300 | 001 - 01 | 30-250 | 001 - 01 | 051-02 | 30 - 20 | 001 - 01 | 10 - 50 | 20 - 120 | əzis bəəl xeM (mm) |
| ₽.25.4 | 42 - 120 | 42 - 150 | Sb-1 | 06-91 | 24·1 | £9 - 9'S | 91 - 7 | 5'1E - L | 7-16 | 10 - 63 | nobsraded |
| Wet / dry / antibiliding | ρυ | ٨a | Wet / dry | ρú | Wet / dry | ριλ | -brus \ YnQ gnibnild | Wet / dry | -inns \ ynQ gnibnild | DU | Application |
| 0N | οN | ٥N | Yes | οN | 29X | 0N | οN | Yes | 9N | οN | Dewatering |
| Special | Flat | JeA | Cambered | Cambered | Cambered | Cambered | DenedmsD | Special | Special | Special | Deck design |
| Special | Self supporting | Self supporting | Pre-tensioned | Pre-tensioned | banoiznaT | DenoisneT | DenoizneT | Modular | Modular | Modular | Panel type |
| Polyurethane | Rubber | Rubber | Polyurethane | Киррег | Polyurethane | Виррег | Foyunethane | Polyurethane | Soft rubber | Rubber | IshaseM |
| Punched | Moulded | Moulded and punched | Moulded | Punched | Moulded | Punched | Punched | Moulded | Punched | Moulded and punched | Арегшге |
| 2, 3, 4, 5, 6, 7, 8, and 9 | 22+20, 70+50 | 05,02,0≯ 07 bns | Hole size dependent | 15, 20, 25, 30, 35, 40, 50 and 60 | Hole size dependent | 5, 7, 10, 12, 15, 20, 25, 30, 35, 40 and 50 | ,2.5, 2.5, 8 bns 2.2 | Hole size dependent | 25.2, 2.5, 2.5, 2.5, 21 bns 11,8 | 8, 11, 15, 20, 25, 30, 35 and 45 | Most common thickness (mm) |
| Wedged or bofted depending or screen design | Clamp down | Clamp down | Clamp down | Clamp down | Cross- or length tensioned | Oross- or lengrit benoiznes | no -eson D rtgnal banoiznat | no-qsn2 | uo-deug | no-qsn2 | gninstrei |
| 9gb9W | Side hold down and Centre Centre hold down | Side hold down and Centre hold down | Side hold down, Centre hold down and Capping | Side hold down, Centre hold down and Capping | Centre hold down and Capping | Centre hold down and Capping | Centre hold down, Centre hold down spacer and Capping | Side liner and side liner spacer | Side liner and side liner spacer | Side liner and side liner spacer | sahossassA |

SANDVIK

SANDVIK MINING AND CONSTRUCTION AR TEL ++6 +0 +0 68 00, FAX ++6 +0 +0 68 98.

Sandvik is a global industrial group with advanced products and world-leading positions in selected actors – rook for metal cutting, unachinery and took for rock excavation, stainless naterials, special alloys, metallic and ceramic resistance materials as well as process systems. The Group had at the end of 2007 about 47,000 employees and representation that all 200 cuttieries, with annual size of more than SEK 86,000 M.

Sandvik Mining and Construction is a business area within the Sandvik Group and a leading global supplier of machinery, cemerned-carbide tools, service and rechinical solutions for the excavation of rock and minerals in the mining and construction industries. Annual sales 2007 amounted to about SEK 33,100 M, with approximately 15,200 employees.



SANDVIK HINING AND CONSTRUCTION TEL +14 10 40 68 DD FAX +15 40 40 68 98.

DESCRIPTION SYNTHETIQUE DES CRIBLES (TRADUCTION EN FRANCAIS)

✓ Crible à mouvements circulaires

Les cribles primaires XS sont des cribles à mouvements circulaires inclinés avec deux ou trois ponts et peuvent être munis d'un treillis métallique, d'un équipement en polyuréthane et en caoutchouc ou d'une plaque d'acier sur le pont supérieur. Les cribles primaires ont été conçus pour cribler immédiatement les matériaux après une opération de broyage primaire, permettant une taille d'alimentation maximale de 400 mm.

✓ Cribles vibrants

Les cribles vibrants SG ont été conçus avec pour objectif principal d'enlever les fractions fines de l'alimentation avant le broyage primaire.

SG assure une taille d'alimentation maximale de 500 mm et une séparation maximale de 250 mm

✓ Cribles à mouvements linéaires

Les cribles à mouvements linéaires ont des nombreux avantages, dont une maintenance aisée, un haut rendement et une structure compacte.

La série de cribles LF a été conçue aussi bien pour trier les différentes fractions de matériaux que pour être placée en en complément avant l'action d'un broyeur à cône. Ces cribles sont disponibles avec 1, 2 ou 3 ponts.

Les cribles LF ont une taille d'alimentation maximale de 300 mm et une gamme de séparation de 100-1 mm.

Fiches techniques des engins d'extraction (Pelles hydrauliques, Tombereaux, Chargeurs)

ZX 350 LC-3, Hitachi

Modèle de base avec pelle rétro standard

HITACH

| 4 | | | |
|---|---|--|--|
| | L | | |

Hitachi ZX 350 LC-3 - Équipement spécifique Règlage de sillon

Haut.cond. ajust.

Climatisation

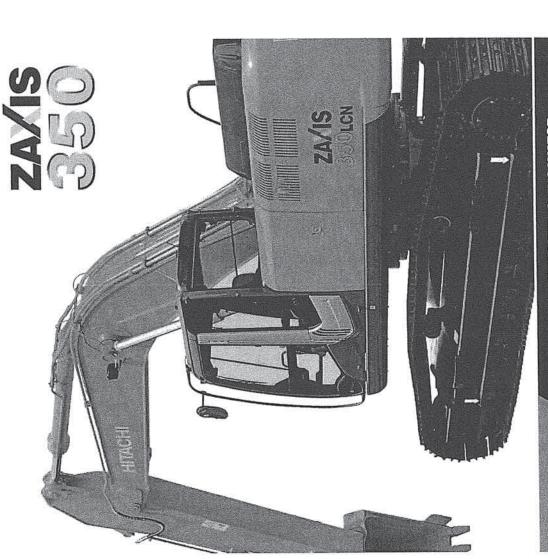
Témoin surcharge

Excavateur à transbordement

Lame niveleuse

11,13x3,19x3,16 m AH-6HK1XYSA-01 2012 2006 ichi ZX 350 LC-3 - Fiches techniques 1500 min-1 2,32 m3 202 kW 600 mm 11,1 m 7,38 m 239 KN nznsı 34,5 t 7,791 insions des outils (Lxlxh) sance du moteur cant du moteur cité du godet eur des tuiles force d'extraction Prof. de dragage Largeur d' godet s en service ière année: ière année: de moteur volume utile Tours-min. nnet Portée





HYDRAULIC EXCAVATOR

■ Model Code: ZX350L.C3√ZX350L.CN3

■ Engine Rated Power: 202 kW (271 HP)

■ Operating Weight: ZX550LC3: 32.600—36.200 kg

■ ZX350LCN3: 32.600—36.100 kg

■ Backhoe Bucket: SAE: PCSA Hospord: 1.03 + 1.84 m²

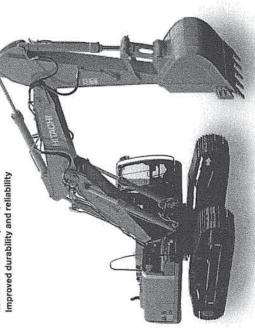
CECE Heaped: 0.93 - 1.59 m²

The Power to Perform

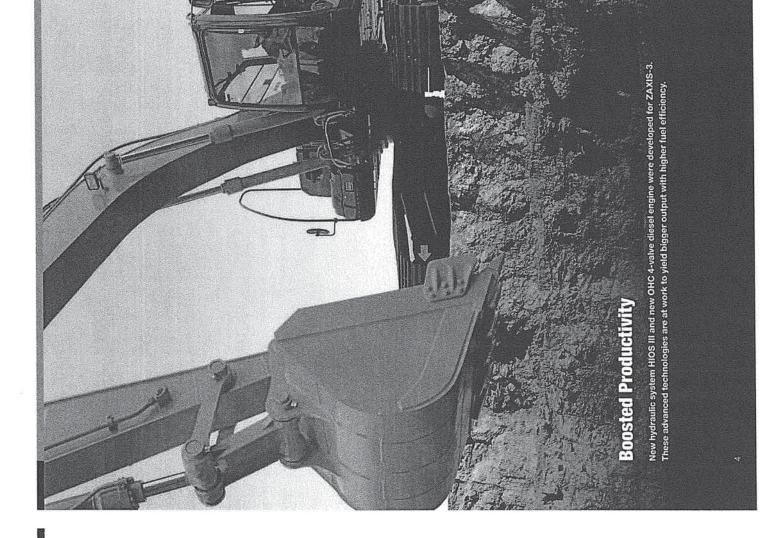
The ZAXIS-3 series are a new generation of excavators designed end-user, HITACHI not only understands your business, but also operator comfort. By listening carefully to the wishes of the to provide more efficient power, productivity and improved provides the reliable solutions you've been looking for.

NEW AND IMPROVED

- 10% higher production Performance:
- Enhanced controllability **Excellent visibility** Lower noise level Comfort:
- Standard satellite communication system Standard theft deterrent system Standard rear view camera New equipment:
- Improved durability and reliability Lower fuel consumption per m3 Reduced running costs:



 The new engine complies with the Emission Regulations the coming EU noise regulation 2000 / 14 / EC, STAGE II The advanced low noise Array of low noise mechanisms design complies with Safety measures
CRES II cab
Engine shut-off switch
Pilot control shut-off lever
Cab right bars Environment measures e-Service Owner's site Ecological design Parts & Service Specifications Stage III A Parts centre Page 18-27 Page 16 Page 15 Page 14 Page 17 Service Conveniently located inspection points Parallel arrangement of the cooling Rear view camera Theft deterrent system Fuel consumption monitoring Strengthened front attachment Strengthened undercarriage Attachment support system **Durability and reliability** Improved idler brackets Multi function monitor Strengthened X beam Maintenance support Maintenance pack Page 12-13 Page 10-11 Page 8-9 New electronic controlled diesel engine Improved controlability and operator Enhanced boom circulation system New hydraulic system HIOS III Hydraulic boosting system Operator comfort High visibility inside cab Short stroke levers Comfort designed seat Wide foot space Productivity New E-mode comfort Page 6-7 Page 4-5



More production, less fuel consumption

Increased Production

gine allows the efficient use of hydraulic A combination of the hydraulic system pressure to increase speeds of actuators and boost production with higher increased with 10% in comparison to (HIOS*III) and new OHC** 4-valve enfuel efficiency. The productivity is previous model ZAXIS-1.

consumpution by up to 10% compared

P mode can be selected to suit job

The new E mode, H/P mode and

to the previous P mode, while yielding needs. The new E mode can save fuel

similar production,

Human & Intelligent Operation System

Efficient hydraulic control - HIOS III

hydraulic circuit and increases speed of draulic technology HIOS III for ZAXIS-3. In addition to the fine controllability this HITACHI developed new advanced hynew system increases the efficiency of system that is suitable for fine controllability by the operators. Continuously ZAXIS-1 adapted HIOS II hydraulic actuators.

The Hydraulic Boosting System

In arm roll-in and boom-raise operation, regenerative valve to increase flow rate speed. Excess pressure oil from boom cylinder bottom side to increase flow cylinder rod side is delivered to arm from boom cylinder rod side to arm rate giving 20% higher arm roll-in excess pressure oil is delivered cylinder bottom side through a for productive operation.

Enhanced Boom Recirculation System

machine needs more traction force, the

At climbing or steering, when the

Sophisticated Travel Control; -Traction force 18% UP -Swing torque 10% UP ncreased significantly.

Swing torque and traction force are

Increase in Swing Torque and

Fraction Force

engine speed automatically increases

which makes the machine faster.

boom weight, for boom lowering. At the same time, pressure oil from the pump is delivered to the arm cylinder for arm In combined operation of boom lower cylinder bottom side is delivered to boom cylinder rod side, assisted by and arm, pressure oil from boom

This mechanism allows an increase of speed in combined operation of 15%.

Development concept of new engine

OHC 4-Valve Engine

rigorous Emission Regulations enforced developed and built to comply with the in 2006 in EU. This new engine contrib-The new OHC 4-valve diesel engine is utes to environmental preservation. At the same time it realizes high durability and low fuel consumption by adapting the latest advanced engine technology

Cooled EGR** System

Common Rail Type Fuel Injection

Electronic control common rail type fuel

fuel pump at an ultrahigh pressure to

distribute fuel to each injector per

cylinder through a common rail.

injection system drives an integrated

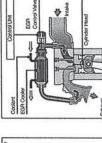
emperature for reducing NOx and fuel consumption. What's more, the EGR complete combustion, reducing PM* Exhaust gas is partially mixed with cooler cools down exhaust gas to increase air concentration for intake air to lower combustion Exhaust Gas Recirculation diesel plume).

This enables optimum combustion to

generate big horsepower, and reduce

PM* (diesel plume) and fuel

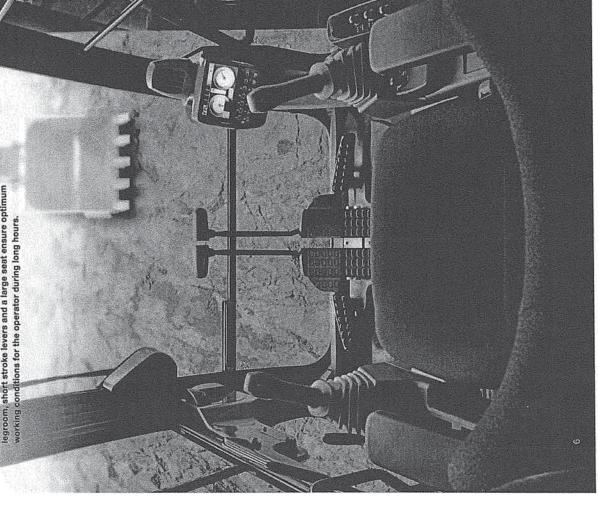
consumption.

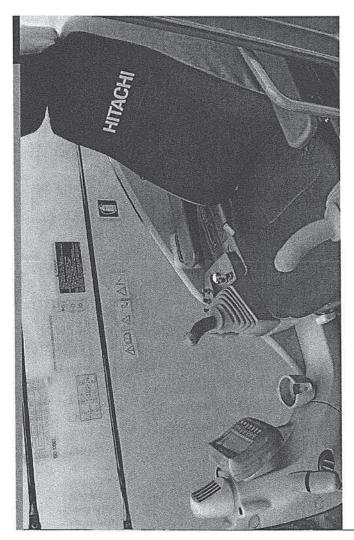




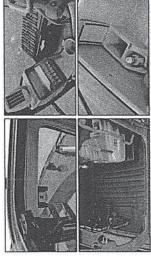
A New Standard in Operator Comfort

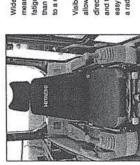
monitor the operator can see what is behind the machine. Ample an excellent view of the jobsite. On the widescreen colour LCD legroom, short stroke levers and a large seat ensure optimum The operator's seat of the ZAXIS-3 series gives the operator





The ZAXIS-3 series cab has been redesigned to meet dermands of European customers. From the operator's seat the operator has an excellent view of the jobsite. On the widescreen colour LCD monitor the operator can see machine conditions and with the rear view canners, what is behind the machine. Ample legroom, short stroke levers and a suspension seat with heating ensure optimum working conditions. The seat features horizontal, vertical and weight adjustments and has a backrest contoured for comfort, with





Wide adjustable armrests and a retractable seat belt are included. Short stroke levers mean fingertlp control of hydraulics and allow for continuous operation with less tatigue. Three switches on the lever (optional) can be set to operate attachments other than buckets. The cab is pressurized to keep out dust. Noise and wibrations are kept to a minimum due to the elastic mounts, filled with silicone oil, the cab rests on.

Visibility is improved especially for the right downward view. A large overhead window allows natural light to enter the cab. Silding windows on the front and side enable direct communication between operator and other workers. Foot space has increased and travel pedata have been redestigned for easier operation. A flat floor allows for easy cleaning. Ergonomic controls and switches, fully automatic air conditioner and a radio complete the peckage.

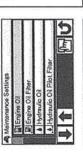
Embedded Information Technology

The ZAXIS-3 series is equipped with a widescreen colour LCD monitor with adjustable contrast for day and night shifts. With the monitor the operator can check maintenance intervals, select work modes, monitor fuel consumption, and connect to the rear view camera. A theft deterrent system and multilanguage selection is also available.

Wall function monitor

The color LCD monitor, located in the cab, indicates coolant temperature, fuel level, and maintenance data. It also allows one-louch adjustment of the attachment. The display can also be adjusted to day or night shift.

Maintenance support



Chrystelland Stone OFF

Replacement timing of hydraulic oil and the filters is alreted to the operator through the LCD monitor according to the schedule preset by the user each time when turning the key switch.

The scheduled maintenance can prevent the failure of the machine.

Attachement support system (work mode selector)

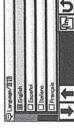
A Work Woole

Og Bonier | Casher |

When replacing the attachment, oil flow adjustment can automatically be done by one touch on the work mode selection display on the LCD monitor. Minor adjustments of oil flow is possible if necessary.

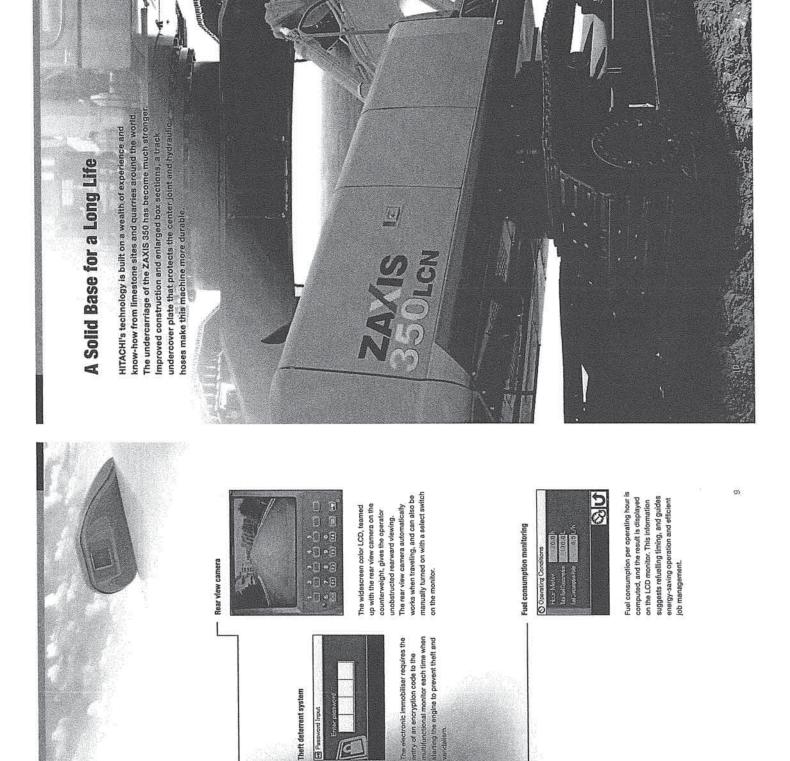
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Multilanguage selection



The monitor enables you to select 12 European languages.

C



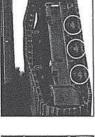
Theft deterrent system

Strengthened undercarriage and side frames

Track links are thickened and reshaped roller brackets are increased in size for Upper and lower rollers and upper higher durability.

from disengagement during stearing. This effectively protects track links Side frame height is increased by Three track guards are provided for higher durability and rigidity. standard.

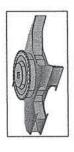




Strengthened X beam

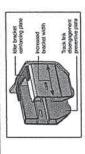
approx. 13%.

tions. The section is increased in strength up to 45% (maximum). Top and bottom plates of the X-beam use monolithic plates, instead of conventional welded four plates. This eliminates welding to strengthen the X-beam. The X-beam is strengthened by the improved construction and enlarged box sec-



Improved idler brackets

the opening of the Idler bracket. The track link disengagement preventive plate, located just behind the idler bracket, is thickened for higher durability, and reshaped The idler bracket reinforcing plate is thickened greatly for higher durability to prevent by extending its stepped end to prevent the disengagement of track links.



Strengthened front attachment

At arm-bucket joint, the arm top is hardened with WC thermal spraying (Tungsten-Carbide) for greater wear resistance at its contact surface with bucket, reducing jerking. Reinforced resin thrust plates designed to reduce noise and resist wear. The boom top bracket is strengthened by using high-tensile steel.

The new HN bushings, containing "solid molybdenum-based lubricant", are utilized at the boom-arm joint and arm cylinder mounting area for better lubrication and higher durability. (At other joints, conventional HN bushings are also utilized.)

The boom foot is strengthened with bushing. This improvement increases the durability and reliable under heavy-duty operation.







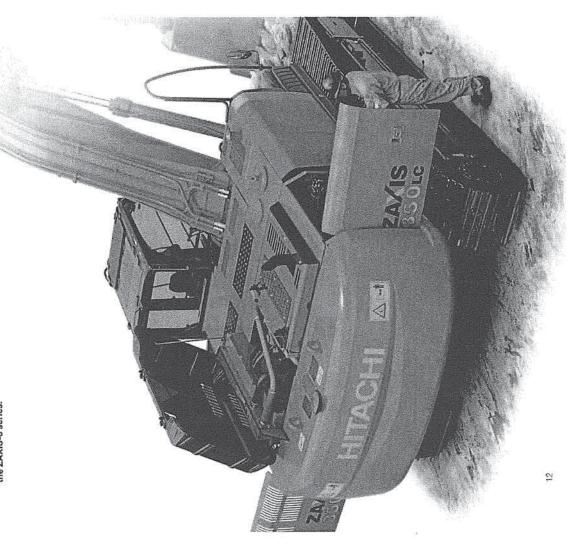






Simplified Maintenance

residual value. There are many service features to be found on downtime. In addition, a regular serviced machine has higher equipment in top condition, which can help to prevent costly The ZAXIS-3 series meet customer demands for simplified maintenance. Regular maintenance is the key for keeping the ZAXIS-3 series.

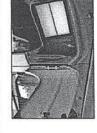


Conveniently located inspection points





engine oil filter. A large handrail, steps and anti-skid plates lead to the engine cover. The engine oil pan is fitted with a drain coupler. When draining, an associated drain Wide doors give access, from ground level, to the fuel filter, water separator and hose is connected to the drain coupler. The drain coupler is reliable, avoiding oil leakage and vandalism.



operator seat. This allows easy cleaning The fresh air filter for the air conditione and replacement of the fresh air filter, like the air circulation filter inside the is relocated to cab door side from conventional location behind the

Parallel arrangement of the cooling pack





The oil cooler, radiator and intercooler are laid out in a parallel arrangement, instead of the conventional in-line arrangement. This parallel arrangement is significantly easier to clean around the engine. The air conditioner condenser can be opened for easy cleaning of the condenser and the radiator located behind.

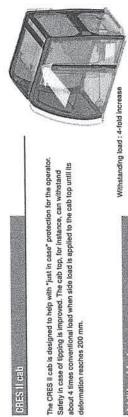
Extended oil and filter change intervals

| Front Pin Lu | Front Pin Lubricating Intervals and Consumables Replacement | eplacement |
|-------------------------|---|--|
| | | HEW ZAXOS 850 |
| Lubricant | Bucket | 250 |
| | Boom Foot | 200 |
| | Front | 200 |
| Consumable | Consumables Engine Oil | 200 |
| | Engine Oil Filter | 200 |
| | Hydraulic Off | 5 000 |
| | Hydraulic Od Filter | 1 000 |
| A STATE OF THE PARTY OF | | CONTRACTOR OF THE PERSON OF TH |

The oil and filter change intervals have expenses. Engine oil consumption is reducing maintenance time and lower, and engine oil change is been extended considerably, necessary every 500 hours.

Safety Features

a new reinforced cab and shut-off mechanisms for engine and Ensuring the safety of the operator and other workers on the jobsite is an important concern for HITACHI. That is why the ZAXIS-3 series has a number of safety features including oilot controls.



Engine shut-off switch

Cab right bars

Additional features

deformation reaches 200 mm.

CRES II eab



Evacuation hammer



OPG top guard, level II

Pilot control shut-off lever





engine shut-off switch. A shut-off lever for pilot control helps to prevent unintentional movements. In addition a Falling Object Protective Structure (OPG top guard, level II) guard is optionally available. For the cab windows there is a choice of laminated or Other features include a retractable seatbelt, evacuation hammer and emergency tempered glass.



A cleaner machine

2006. Reduced particulate matter (PM) output and lower nitrogen oxide (NOx) levels Stage III A. An engine emission regulations effective in the European Union from The ZAXIS-3 series is equipped with a clean but powerful engine to comply with



A quieter machine

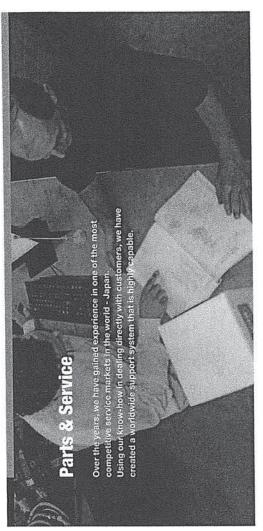
air flow noise. Third, a time-tested muffler suppresses engine noise significantly and operation to suppress sound. A fan with curved blades reduces air resistance and A number of features make this machine quieter. First, isochronous control of the engine speed means a restriction of engine speed during no-load and light-duty reduces emissions



A recyclable machine

facilitate recycling. The machine is completely lead-free. The radiator and oil cooler are made from aluminium and all wires are lead-less. In addition, biodegradable hydraulic oil is available for jobsites where special environmental care is required. Over 97% of the ZAXIS-3 series can be recycled. All resin parts are marked to





life. We manage around 1 000 000 types designed and built to be the best match that makes sure you get what you need quality parts. We guarantee that these parts have high performance and long of parts all around the world. They are for your HITACHI equipment. HITACHI has a global parts distribution network HITACHI only offers genuine high

vide the closest support for your needs in most cases, your dealer will have the parts depots located across the world. he can order it from four fully-stocked These distribution centres are all conas quickly as possible. We have more a dealer does not have a certain part, than 150 dealers worldwide who proreplacement part that you require. If

of available parts. The depots, which in nected by an online system that gives them access to shared information on stocks, such as the number and type turn are stocked by a parts centre in Japan, minimize delivery time and efficiently and quickly as possible. enable you to get your parts as

To fulfil this goal, we have set more than ment at a maximum performance level" provide a number of support programs Our goal is to "keep customer equip-HITACHI provides a unique extended have highly trained technicians, and 150 dealers all over the world. They warranty program called HITACHI Extended Life Program, or HELP.

training is the key to providing the best shooting, we developed a PDA based To minimize downtime during trouble-In top running shape, good service is indispensable. We believe personnel To keep our customers' equipment diagnostic system called "Dr.ZX".

regarding parts and/or service, please ask your nearest HITACHI dealer. Not all programs and/or services are available in every market or region. If you would like more information.

Remote fleet management with e-Service Owner's Site

with e-Service Owner's Site; latest machine information of each Reduce maintenance effort and costs for your machine tleet of your machines available on-line, in your office.



Check and monitor each of your machines from your office

Enhanced service support from your local dealer

Actual geographical location of each of your machines

tion information such as daily operating hours

e-Service Owner's Site features

and machine fuel level as well as historically

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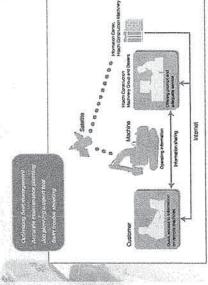
your machine and allow for enhanced service and trouble shooting support by your local dealer, all directly contributing to reduce downtime and increase the cost ternet connection for you and your dealer. This communication chain is operational 24h a day, each day of the year. It will support your job planning, help you maintain tional data to a satellite and from there, via a ground station to a Hitachi server. The data collected in the server will then be processed and directed to each customer around the world. Your machine information will be available through a secure inmachines, allowing for full fleet control. Each machine will regularly send its opere-Service Owner's Site is an on-line fleet management tool offered by HCME to each of its customers. It will present all operational information and logation of your machines on a PC in your office, giving you an up to date overview of you performance of your fleet.

benefits of e-Service Owner's Site. Your local dealer will be able to give you access munication unit installed as standard*, meaning each owner can directly enjoy the All new ZAXIS-3 and ZW machines supplied by HCME will have a satellite comto e-Service Owner's Site,

as recommended maintenance due is displayed

t maintenance management.

For each machine, maintenance history as well In one view, allowing for accurate and efficient



show the geographical position of each machine

with immediate serial number identification, it will also allow for dedicated multiple machine

searches using specific operational information

as search criteria

(Geographical Information System) will not only

In addition to any general GPS function, GIS

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Describing Space Street

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• II) Statellis communication may be forbidden by the bode regulatory standards (reculting stately standards and begal requestrated by publication communication by particular country inversion with the long it flease contact if IRICI-19 stately to reduce the others. It is stately communicated that is the reduced communication in calcular plantary at present communication and publication for the present stately of proceedings or processing by processing or p

ENGINE

| | Section of the sectio | |
|-----------------------------|--|--------------------------------------|
| 1080 | Model | Isuzu AH-6HK1X |
| ed 1 086 | | r-cooled, direct injection |
| 1 080 | | roocharged, intercooled |
| 1 080 | Vo. of cylinders | |
| 1 080 | net | HP) at 1 900 min.1 (rpm) |
| | | HP) at 1 900 min" (rpm) |
| | | HP) at 1 900 min ⁻¹ (rpm) |
| | | f.m) at 1 500 min.1 (rpm) |
| | | 7.790 L |
| | | 115 mm x 125 mm |
| 3atteries 2 x 12 V / 160 Ah | 3atteries | 2 x 12 V / 160 Ah |

HYDRAULIC SYSTEM

- Digging mode / Attachment mode Engine speed sensing system
- . 2 variable displacement axial piston pumps
 2 x 288 Umin
 1 gear pump
 34 Umin
 34 Umin Maximum oil flow. Maximum oil flow Main pumps

Hydraulic Motors

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| 34.3 MPa (350 kgf/cm²) | 32.4 MPa (330 kgf/cm²) | 34.3 MPa (350 kgf/cm²) | 3.9 MPa (40 kgl/cm²) | 36,3 MPa (370 kg//cm²) |
|--|------------------------|------------------------|----------------------|------------------------|
| Relief Valve Settings Implement circuit | Swing circuit | Travel circuit | Pilot circuit | Power boost |

Hydraulic Cylinders
High-strength piston rods and tubes. Cyénder cushion mechanisms provided in boom and arm cylinders to absorb shock at stroke ends.

Dimensions

| 2 145 mm 1 170 mm 14) 1(1) 140 mm (145) 95 | | Quantity | Bore | Rod diameter |
|--|--------------|----------|--------------|--------------|
| H) 1(1) 140 mm (145) | Boom | 2 | 145 mm | 100 mm |
| H) 1 (1) 140 mm (145) | Arm | - | 170 mm | 115 mm |
| 170 mm | Bucket (BEH) | 1(0) | 140 mm (145) | 95 mm (95) |
| | Positioning | T | 170 mm | 110 mm |

Hydraulic Filters

Hydraulic circuits use high-quality hydraulic filters. A suction filter is incorporated in the suction fine, and full-flow filters in the return line and swing/travel motor drain lines.

CONTROLS

| flot controls. HTACHI's original shockless valve. | Implement levers | Travel levers with pedals |
|---|------------------|---------------------------|
| ď | | Tell |

UPPERSTRUCTURE

Revolving Frame

Axia piston motor with planetary reduction gear is bathed in oil. Swing cricle is single-ow, share type betal bearing with induction-hardened Inter-nal gear, Internal gear and princing gear are immersed in lubricant. Swing parking braise is spring-set/hydraulio-released disc type. Welded sturdy box construction, using heavy-gauge steel plates for rug-gedness. D-section frame for resistance to deformation. Swing Device

10.7 min" (rpm)

Independent specious cab., 1 005 mm wide by 1 675 mm high, conforming to 160°S transfers. Reinforced glass windows on 4 sides for vability. Front windows (upper and lower) can be opened. Reclining seat with armests; adjustable with or without control levers. International Standardization Organization Operator's Cab

UNDERCARRIAGE

Tractor-type undercarriage, Welded track frame using selected materials Side frame welded to track frame. Lubricated track rollers, Idiers, and sprockets with floating seals. Tracks

Track shoss with triple grousers made of induction-hardened rolled alloy. Flat and triangular shoes are also available. Heat-treated connecting pins with dirt seals, Hydraulle (grease) track adjusters with shock-absorbing recoil springs,

Numbers of Rollers and Shoes on Each Side Upper rollers

| | planetary red replaceable. |
|----------------------------|---|
| reack stydes | Travel Device Each track driven by 2: speed axial piston motor through planetary red ton gear for counterrotation of the tracks. Sprockets are replaceable. |
| | axial piston m the tracks, S |
| | by 2-speed a |
| rack shoes frack guards | Travel Device Each track driven I |
| Fack | Trav Each ion g |

Parking brake is spring-seut/nydrautic-released disc type. Travel shockless relief valve built in travel motor absorbs shocks when stopping travel. Automatic transmission system: High-Low. duc-

High: 0 to 5.0 km/h Low: 0 to 3.2 km/h . 298 kN (29 200 kgf) Maximum traction force Travel speeds

35° (70%) continuous

Gradeability

ZAXIS 350

WEIGHTS AND GROUND PRESSURE

| ZAXIS 350 Equipped wit 1.40 m² buck | CAXIS 350LC WITH MONOBL. cquipped with 6.40 m monoblock bo .40 m² bucket (SAE,PCSA heaped) | ZAXIS 350LC WITH MONOBLOCK BOOM: Equipped with 8.40 m monoblock boom, 3.20 m arm and 1.40 m² bucket (SAE,PCSA heaped). | DM: n erm and |
|---|--|--|----------------------|
| Shoe type | Shoe width | Operating weight | Ground pressure |
| | 600 mm | 33 300 kg | 63 kPa (0.64 kgt/cm² |
| Triole | 700 mm | 33 700 kg | 54 kPa (0.55 kgt/cm² |
| grouser | 800 mm | 34 100 kg | 48 kPa (0.49 kgt/cm² |
| | 900 mm | 34 400 kg | 43 kPa (0.44 kgt/cm² |

ZAXIS 350LC WITH 5.78 M BEH TYPE MONOBLOCK

Equipped with 5.78 m monoblock boom, 2.11 m arm and 1.50 m² bucket (SAE,PCSA heaped).

| Shoe type | Shoe width | Operating weight | Ground breasure |
|-----------|------------|------------------|-----------------------|
| | 600 mm | 33 400 kg | 63 kPa (0.64 kgl/cm²) |
| Tricks | 700 mm | 34 000 kg | 55 kPa (0.58 kgVcm²) |
| grouser | 800 mm | 34 400 kg | 48 kPa (0.49 kgt/cm²) |
| | 000 mm | 34 800 kg | 43 kPa (0.44 kos/cm²) |

ZAXIS 350LCN WITH MONOBLOCK BOOM: Equipped with 6.40 m monoblock boom, 3.20 m arm and 1.40 m² bucket (SAE,PCSA heaped).

| Shoe type | Shoe width | Operating weight | Ground pressure |
|-----------|------------|------------------|----------------------------------|
| | 600 mm | 33 200 kg | 62 kPa (0.63 kgt/cm |
| Triole | 700 mm | 33 600 kg | 54 kPa (0.55 kg//cm |
| Brouser | 800 mm | 34 000 kg | 48 kPa (0.49 kgt/cm |
| | 000 mm | 94 400 km | 43 kPa ID 44 kof/cm ³ |

ZAXIS 350LCN WITH 5.78 M BEH TYPE MONOBLOCK

Equipped with 5.78 m monoblock boom, 2.11 m arm and 1.50 m² bucket (SAE,POSA heaped).
Shoe type Shoe width Operating weight Gound

| | mm 009 | 33 800 kg | 63 kPa (0.64 kgt/cm²) |
|---------|--------|-----------|-----------------------|
| Triole | 700 mm | 33 900 kg | 54 kPa (0.55 kgt/cm?) |
| grouser | 800 mm | 34 300 kg | 48 kPa (0.49 kgl/cm²) |
| | mm 006 | 34 700 kg | 43 kPa (0.44 kgt/cm²) |

ZAXIS 350LC WITH 2-PIECE BOOM: Equipped with 2-piece boom, 3.20 m arm and 1.40 m² bucket (Specific Stranged).

| omenand burnous | 64 kPa (0.65 kgl/cm²) | 56 kPa (0.57 kgt/cm²) | 49 kPa (0.50 kg//cm²) | 44 kPa (0.45 kgt/cm²) |
|-----------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | 64 kPa (0 | 56 kPa (0 | 49 kPa (0 | 44 kPa (0 |
| Coursing weight | 34 200 kg | 34 600 kg | 35 000 kg | 35 400 kg |
| Shoe wigth | mm 009 | 700 mm | 800 mm | 900 mm |
| shoe type | | Triolo | grouser | |

ZAXIS 350LCN WITH 2-PIECE BOOM: Equipped with 2-piece boom, 3.20 m arm and 1.40 m³ bucket (SAE,PCSA heaped).

| Shoe type | Shoe width | Operating weight | Ground pressure |
|-----------|------------|------------------|-------------------------|
| | 600 mm | 34 200 kg | 64 kPa (0.65 kgt/cm² |
| Triole | 700 mm | 34 600 kg | 56 kPa (0.57 kgt/cm² |
| grouper | 800 mm | 34 900 kg | 49 kPa (0.50 kgt/cm² |
| | OOD man | 36 300 60 | Ad Wha in dis knillern? |

Weights of the basic machines (including 7 400 kg counterweight and triple grouser shoes, excluding front-end attachment, fuel, hydraulic oil, engine oil and coolant etc.] are:

25 500 kg with 600 mm shoes ZAMS SGUC.

ZAMS SGUC.

25 400 kg with 600 mm shoes ZAMS SGUC.

25 500 kg with 600 mm shoes 25 400 kg with 600 mm shoes

SERVICE REFILL CAPACITIES

11 170 11 130 11 090 10 780

11 130 11 090 11 090 10 780

J. Undercarriage width
K. Overall width
L. Overall langth
With 2.67 m arm
With 3.20 m arm
With 3.20 m arm
L. Overall langth 5.78 m BEH boom with 2.11 m arm
M. Overall langth 5.78 m BEH boom with 2.11 m arm
M. Overall height 67 boom

3 000

3 190

3 510 3 270 3 270 3 500 1 070

3 470

3 600

With 4.00 m arm M' Overall height 5.78 m BEH boom with 2.11 m arm N Track height with triple grouser shoes

With 2.33 m arm With 2.67 m arm With 3.20 m arm

G: Triple grouser shoe

Excluding track shoe lug

WORKING RANGES

| Fuel tank | 32.0 L |
|--------------------|---------|
| Travel device | 7 7.6 |
| Hydraulic system | 374.0 L |
| Hydraulic oil tank | 180.0 L |

BACKHOE ATTACHMENTS

Ground pressure

Boom and arms are of weided, box-section design, 6.40 m monoblook boom, 2-piece boom and 2.33 m, 2.67 m and 3.20 m arms are

available. Bucket is of welded steel structure. Side clearance adjust mechanism provided on the bucket joint bracket.

5.78 m BEH

6.40 m Mono boom

ZAXIS 350LC / ZAXIS 350LCN

2.11 m 9 430 5870

9 180 5 440 9 390 6 330

10 890

10 360 10 570 6 840 6.640

10 310

A' Max. digging reach (on ground)

A Max. digging reach

B Max. digging depth

B' Max. digging depth (8' level)

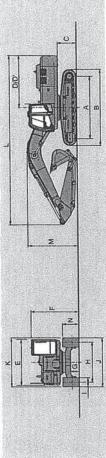
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11 100 7 380 7210

BUCKETS

SPECIFICATIONS

DIMENSIONS: MONOBLOCK BOOM



| اِم | |
|----------|-------|
| | Ŧ |
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| <u>u</u> | |

Unit: mm

ZAXIS 350LCN

ZAXIS 350LC

3 390 3 370 3 160 3 160 3 160 3 160 3 160 3 160 3 160

4 950 1 160 3 3 3 90 2 2 990 500 500 3 160 500 3 190 3 190

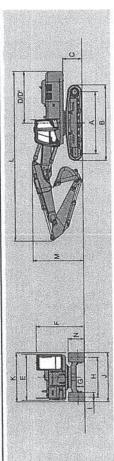
C Counterweight clearance
D Rear-end swing radius
D Rear-end langin outperstructure
E Overal width of upperstructure
F Overal wight of cab
G Min. ground clearance
H Track gauge

Excluding track shoe lug ** At power boost

5

| 4480 | 4610 | 4480 | 4070 | 5330 | 5510 | 6420 | 4500 | 224 kN | 224 kN | 225 kN | 21 kN | 225 kN | 225 kN | 21 kN | 225 kN | 225 kN | 21 kN | 225 kN | 225 kN | 21 kN | 225 0666 6 940 6 900 9 980 Bucket digging force** SAE: PCSA Arm crowd force** SAE : PCSA Bucket digging force** ISO D Max, dumping height E Min. swing radius Arm crowd force** ISO C Max. cutting height F Max. vertical wall

DIMENSIONS: 2-PIECE BOOM



Unith

| | ZAXIS 350LC | ZAXIS 350LCN |
|--|--|--------------|
| A Dietanca hatwaan tumblers | 4 050 | 4 050 |
| R Lindercarrage length | 4 950 | 4 950 |
| *C Counterweight clearance | 1 160 | 1160 |
| D Bear-and swing radius | 3 390 | 3390 |
| D' Rear-end length | 3370 | 3370 |
| E Overall width of upperstructure | 2 990 | 2 990 |
| F Overall height of cab | 3 160 | 3 160 |
| *G Min. ground clearance | 200 | 200 |
| H Track gauge | 2 590 | 2 400 |
| Track shoe width | 0.600 | G 800 |
| J. Undercarriage width | 3 190 | 3 000 |
| K Overall width | 3190 | 3 000 |
| L. Overall length | | |
| With 2,33 m arm | 11 150 | 11 150 |
| With 2.67 m arm | 11 110 | 11 110 |
| With 3.20 m arm | 11 070 | 11 070 |
| M Overall height of boom | The state of the s | |
| With 2.33 m arm | 3 380 | 3 380 |
| With 2.67 m arm | 3370 | 3370 |
| With 3.20 m arm | 3310 | 3310 |
| N Track hainht with trinla prouser shoes | 1070 | 1 070 |

Excluding track shoe lug G: Triple grouser shoe

WORKING RANGES

| | | | | | | | | 9 | 9 | | | | | | meler |
|---|---|---|---|---|---|-------------|---|---|----|----|----|--------------|----|---|---------|
| 1 | 1 | 1 | 佐 | · | 7 | F | 3 | | H | H | H | Ŧ | H | E | 2 1 0 |
| H | | | 1 | | 7 | \parallel | + | | # | H | | 4 | | | 4 3 |
| E | A | | # | 1 | H | \mp | + | 1 | K | # | 20 | 1 | Ņ, | F | 8 5 |
| F | H | 1 | | | H | + | + | - | 44 | 1 | | X | 1 | H | 8 7 |
| E | H | H | P | | | | | 4 | P | 1 | 9 | \mathbb{T} | H | E | 11.10 |
| E | H | H | Н | E | | ٥ | | | ŧ | - | Н | + | 1 | E | 13 12 1 |
| H | + | ┾ | + | + | 0 | + | + | - | + | B, | H | - | + | + | 3. |

| | | 2-piece boom | |
|-----------------------------------|------------------------|------------------------|-------------------------|
| Arm length | 2.33m | 7.67 m | 22010 |
| A Max. digging reach | 10 390 | 10 680 | 11 220 |
| A' Max. digging reach (on ground) | 10 170 | 10.470 | 11 020 |
| B Max. dipping depth | 6 040 | 6360 | 006 9 |
| B' Max. digging depth (B' level) | 2 930 | 6 250 | 008 9 |
| C Max. cutting height | 11 870 | 12 060 | 12 550 |
| D Max, dumping height | 8 550 | 8 750 | 9 240 |
| E Min, swing radius | 3 250 | 3 120 | 2 890 |
| F Max, vertical well | 4 820 | 2 090 | 5 780 |
| Bucket digging force** ISO | 234 kN (23 900 kgf) | 234 kN (23 900 kgf) | 234 KN (23 900 kgf) |
| Bucket digging force" SAE: PCSA | 207 KN (21 100 kgf) | 207 kN (21 100 kg/) | 207 kN (21 100 kg/l) |
| Am crowd force** ISO | 239 kN (24 400 kgf) | 211 kN (21 500 kgf) | 176 kN (18 000 kgf) |
| Arm crowd force** SAE ; PCSA | 221 KN (22 600 kgf) | 197 KN (20 100 kgf) | 165 kN (16 800 kgf) |

LIFTING CAPACITIES

Metric measure

Notes: I. Raings are based on ISO 10587.

2. Lings pareportly of the XXXS Series does not exceed 75% of tipping boad with

2. Lings proposely of the XXXS Series does not exceed 75% of tipping boad with

1. Integration on first, lived ground or 87% list inyestable oppositive.

3. The boad point is the centra-frien of the bucket pivot mounting pin on the arm.

4. 'Indicate boad limited by inyestable capacity.

5. Om a Ground.

ZAXIS 350LC MONO BLOCK BOOM

0

6,0m

Boom 6.40 m Am 2.33 m Shoe 600 mm

3.0 m

18 E

| | t height | acity | |
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| 0 | c capacity. | | | | | ο̈́Q | | B. C. | | | |
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| | | | | Haling Haling | Hating over-front | w | Pating over-side or 350 degrees | ver-side or 3 | эр дерген | | Unit: Ng |
| 103 | | | Load | Load midus | | | | | | Al many mannin | |
| 2000 | 4.0 | 4.5 m | 8.0 | 8.0 m | 2.5 | 7.5 m | 9.0 | 9.0 m | | | |
| 2000 | ٠. | đ | | đ | 90 | ф | •Đ | Ф | 9 | ٥ | meter |
| 2 | | | 10 400 | 9500 | 29 650 | 0.840 | | | -9 640 | 6350 | 7.70 |
| 1 | 15 120 | 13 830 | 11 640 | 0906 | 10 030 | 6.480 | | | 8 610 | 5510 | 8.30 |
| 1 | | | 13 060 | 8 540 | 9.880 | 6250 | | | 8 020 | \$ 100 | 8.60 |
| 1 | | | 13 450 | 8 140 | 9 640 | 6000 | | | 7 870 | 4 990 | 8.62 |
| 100 | | | 13 220 | 7 540 | 9.500 | 9 9 9 9 9 | | | 8 130 | 5110 | 8.38 |
| 9 | 18 040 | 12 010 | 13 190 | 7 910 | 9500 | 2 800 | S. S. S. S. | | 8 950 | \$ 600 | 7.84 |
| 1 | 008 51. | 12 240 | 12 270 | 8 050 | | 10000 | | | 10 080 | 6710 | 6.93 |
| 1 | .11.560 | 111 560 | | | | | | | -9 190 | 19 190 | 5.47 |
| 1 | | | 79 890 | 9 580 | 081 B. | 0699 | | | .9 120 | 8 000 | 8.00 |
| 1 | -14 260 | 14 040 | 091 11. | 9 110 | ₩ 670 | 9 500 | | | 8 190 | 5 240 | 8,58 |
| 1 | 17.540 | 12 790 | 12 660 | 8 570 | 058 6 | 6 240 | | | 7 640 | 4 860 | 8,87 |
| 1 | | | 13 460 | 8 140 | 9 620 | 0009 | | | 7 490 | 4 730 | 8.89 |
| 220 | *19 400 | 11 840 | 13 170 | 7.890 | 9.450 | 5 850 | | | 7720 | 4 840 | 8.65 |
| 1 | 18 430 | 11 870 | 13 090 | 7 820 | 9.400 | 5810 | | | 8 420 | 5 250 | 8.13 |
| 1 | -16 450 | 12 060 | *12 700 | 7 930 | | | | | -9 930 | 6 190 | 7.26 |
| 1 | *12 770 | 12 480 | | | | | | | -9 480 | 8 520 | 5.68 |
| | | | | | -8 530 | 6 790 | | | .6300 | 5380 | 8.58 |
| 1 | | | 02701- | 0.360 | *0.130 | 6.570 | *7 470 | 4 880 | .6330 | 4 760 | 2116 |

19 520

-1.5m -3.0m 119.520 -4.5m

| | 11100 | | | - | | | The second second | | | | | | | - |
|--------------|--------|---|---------------|---------|--------|---------|-------------------|--|-------|--------|-------|--------|-------|------|
| Boom 6.40 m | 6.0 m | | | | | -19 890 | 9 580 | 081 B. | 0699 | | | .9 120 | 8000 | 8.00 |
| Am 2.67 m | 4.5m | | | -14 260 | 14 040 | 091 11. | 9110 | ₩ 9 670 | 9 500 | | | 8 190 | 5 240 | 8.58 |
| | 30m | | | -17 540 | 12 790 | 12 660 | 8570 | 0686 | 6 240 | | | 7.640 | 4 860 | 8,87 |
| | 1.5m | | | | | 13 460 | 8 140 | 9 620 | 0009 | | | 7 490 | 4 730 | 8.89 |
| | 0 | SELECTION SELECTION | 85005505500 | *19.400 | 11 840 | 13 170 | 7.890 | 9.450 | 5 850 | | | 7.720 | 4 840 | 8.65 |
| | .1.5m | 13 890 | 13 890 | 18 430 | 11 870 | 13 090 | 7 820 | 9 400 | 5.810 | | | 8 420 | 5 250 | 8.13 |
| | 30m | 21 190 | 21 190 | -16 450 | 12 060 | *12 700 | 7.930 | | | | | -9 930 | 6 190 | 7.26 |
| | 4.5m | 16 110 | 16 110 | 12770 | 12 480 | | | | 10000 | | | -9 480 | 8 520 | 5.88 |
| Boom 6.40 m | 6.0m | | | | | | | .8 530 | 6 790 | | | ·6 300 | 5 380 | 8.58 |
| Arm 3.20 m | 4.5 m | 100 | | | | -10 430 | 9 260 | -9 130 | 6.570 | -7 470 | 4 880 | -6 330 | 4760 | 9,12 |
| Stoe country | 3.0 m | | | 16340 | 13 160 | -12 030 | 8 700 | 9.940 | 6 290 | 7 490 | 4 760 | .6 550 | 4 440 | 9.39 |
| | 65. | | | *18 730 | 12 240 | 13 410 | 8210 | 9 640 | 6 020 | 7.340 | 4 620 | 6 860 | 4 320 | 9.42 |
| | 0 | \$5000000000000000000000000000000000000 | SAGES SERVING | -19 450 | 11 840 | 13 190 | 7 880 | 9 430 | 5 820 | 7 240 | 4 530 | 7 030 | 4 400 | 9.19 |
| | -1.5m | 13 320 | 13 320 | 18 940 | 11 770 | 13 040 | 7 760 | 9330 | 5740 | | | 7 590 | 4 730 | 8.70 |
| | -3.0 m | .21080 | .21 080 | *17.380 | 11 900 | 13 090 | 7.810 | 9390 | 5 780 | | | 8 760 | 5 440 | 7.90 |
| | 4.50 | 09881. | *18 960 | 14 380 | 12 230 | .10 830 | 8 050 | The state of the s | | | 200 | 9210 | 7 030 | 98.8 |

| Secretary of Second | 100 SS 500 | | WEST TO SERVICE | STATE STATES | | Losd rackus | ractus | | | | | | At many county | |
|---------------------|------------|-----|-----------------|--------------|-------------------|-------------|--------|---------|-------|-----|-------|--------|----------------|-------|
| Confilms | page a | 3.0 | 3.0 m | 4.5 | 4.5 m | 9.6 | 6.0 m | 7.5 | 7.5m | 3.6 | 9.0 m | | | |
| | negar | * | đ | 4 | đ | +0 | Φ | Ð | Ø | Ŷ | Ф | Ą | ð | meter |
| Room 578m | mon. | | | | | 10 200 | 10 139 | | | | | 19 237 | 6 052 | 8.31 |
| Acm 2.11 m | 888 | | | | | -11 310 | 9 700 | 111 01- | 628.9 | | | 8245 | 5370 | 8.83 |
| | E | | | | | 12 976 | 9606 | 10 389 | 6 863 | 100 | | 7.833 | 5.087 | 9.03 |
| | | | | | | 14 030 | 8 592 | 10 009 | 6.404 | | | 7.855 | 9 090 | 8.93 |
| | 0 | | WORLD SHEET | SCHOOL STATE | SETTEMPORE STATES | 13.741 | 8343 | 9166 | 6240 | | | 6354 | 5 342 | 8.52 |
| | -1.5m | | | 11 241 | 11 241 | 13 706 | 8313 | 9 895 | 6 221 | | | 9 402 | 6124 | 7.73 |
| | | | | | 49175 | 020 *** | D-47.4 | | | | | | | |

Unit: mm

Metric measure

Notes: 1. Ratings are based on ISO 10567.

2. Lifting spacky of the ZXVIS Series does not exceed 75% of tipping load with in marking on firm, level charact or 87% stall institute capacity.

A: Load radius
B: Load point height

| 4 10 | The load point Indicates load O m = Ground. | The load point is the center-line of the buck "Indicates load fimited by hydraulic capacity 0 m = Ground. | onter-may un a | ле bucket pr capacity. | vot mounting | The load point is the center-line of the bucket pivot mounting pin on the arm, indicates boad finited by hydraulic capacity. On $=$ Scound. | erm. | | Ľå | - | | | ĺ | |
|------------------------------|---|---|---|---|--------------|---|-------------|-------------------|-----------------|----------|---------------------------------|------------|--------------|----------|
| ZAXIS 350LCN MONO BLOCK BOOM | CN MON | NO BLOCK | BOOM | | | | A Rating | Rating over-front | (I) | Pating o | Rating over-side or 360 degrees | ed degrees | | Unit: kg |
| | | | | | | Lond | Load radius | | | | | | A) may cont. | |
| Conditions | pop I | 36 | 30m | 45 | 45m | 8.0 | 8.0 m | 7.6 | 7.5 m | 9.0 | 9.0 m | | | |
| | No. | et. | đ | 42 | đ | - C | ф | 4 | Ф | Ą | Ф | Ŷ | Ф | medial |
| Boom 6.40m | 6.0 m | | | | | -10 400 | 8 780 | -0 650 -0 | 6 140 | | | 29 640 | 5 870 | 7.70 |
| Am 233m | 1 | | | *15 120 | 12 630 | 05911. | 8 340 | -10 030 | 8 980 | | | 8 600 | 2 090 | 8.30 |
| STORE BOOTHING | 3.0 m | | | | | 13 060 | 7 630 | 9 860 | 5 750 | | | 8 000 | 4 700 | 8.60 |
| | 1.58 | | | | | 13 430 | 7 450 | 8 620 | 5.540 | 200 | | 7 850 | 4 570 | 8.62 |
| | 0 | | | 150000000000000000000000000000000000000 | | 13 190 | 7 250 | 9.480 | 5.410 | | | 8120 | 4 700 | 838 |
| | -1.5m | | | 18040 | 10 870 | 13 160 | 7 220 | 9 480 | 5410 | | | 068 | 5 140 | 7.84 |
| | -3.0m | -19 520 | 19 520 | -15 800 | 11 090 | 12270 | 7.370 | | | | | 10 080 | 6 150 | 6.93 |
| | -4.5m | - | | 11 560 | 11 550 | | | | | | | -9 190 | 8 820 | 5.47 |
| Boom 6.40 m | + | | | | | 068 6 | 8 850 | -0 180 | 6 190 | | | -9 120 | 5 540 | 8.00 |
| Am 2.67 m | 1 | | | 14 260 | 12 830 | 11 160 | 8 400 | -9 670 | 6 000 | | | 8 170 | 4 830 | 858 |
| STORE GOOD IN | 3.0 m | | | 17 540 | 11 620 | .12 860 | 7 870 | 9.870 | 5 750 | | | 7.630 | 4 470 | 8.87 |
| | 1.5 m | | | | | 13 430 | 7 440 | 0096 | 5510 | | | 7 480 | 4 340 | 8.89 |
| | 0 | 0.0000000000000000000000000000000000000 | CONTRACTOR OF THE PARTY OF THE | +19 400 | 10 710 | 13 140 | 7.200 | 0.430 | 5.360 | | | 7 700 | 4 440 | 8.65 |
| | m\$1. | .13 890 | 13 890 | 18 430 | 10 730 | 13 070 | 7 130 | 9.380 | 5 320 | | | 8 400 | 4 820 | 8,13 |
| | -3.0 m | 21 190 | 21 190 | 16 450 | 10.820 | 12 700 | 7 240 | | Service Control | | | -3 830 | 2 660 | 7.28 |
| | 4.59 | 16110 | 16110 | -12 770 | 11 320 | | | 100 | | | | °0 480 | 7 800 | 5.83 |
| Boom 6.40 m | 6.0 m | | | | | | | ·8 530 | 6 280 | | | .6 300 | 4 960 | 8.58 |
| Am 3.20m | 4.5 m | | | | | *10.430 | 8 540 | -9 130 | 6 060 | 7.470 | 4 490 | -6 330 | 4 380 | 9.12 |
| 200 | 3.0 m | | | 16340 | 11 580 | 12 030 | 7 900 | 9 920 | 5 790 | 7 470 | 4370 | .6 550 | 4 080 | 9.39 |
| | 1.5m | | | 18 730 | 11 080 | 13410 | 7 510 | 9 620 | 5 520 | 7 330 | 4 240 | 0 850 | 3970 | 9.42 |
| | 0 | | 040000000 | .19 450 | 10 700 | 13 160 | 7 200 | 9410 | 5330 | 7.230 | 4 150 | 7 020 | 4 040 | 9.19 |
| | -1.5m | 13 320 | 13 320 | .18 940 | 10 630 | 13 010 | 7 080 | 9.310 | 5 250 | | | 7.560 | 4 330 | 8.70 |
| | -3.0m | 21 080 | 21 080 | 17 380 | 10 760 | 13 060 | 7 120 | 9370 | 5300 | 1 | | 6740 | 4 990 | 7.90 |
| | F.5. | 118 960 | 18 960 | 14 380 | 11 080 | 10 830 | 7 360 | | | | 200 | *9210 | 6 440 | 99'9 |

| | | | | | | Load radars | radem | | | | | | At may mench | , |
|-------------|--------|------------------|---------|--------|---------|-------------|--------|---------|-------|---|-------|-------|--------------|-------|
| Continue | | 3.0 | 3.0 m | 4.5 | 45m | 6.0 | கூற்கா | 7 | 7.5m | 9 | B,0 m | | | |
| | ğ | •= | Ø | 40 | đ | +D | Ф | ₽ | Ф | 4 | ð | ð | Ф | meter |
| Boom 5.78 m | 6.0 m | | | | | 10 200 | 9 247 | | | | | 9 063 | 5512 | 8.31 |
| Am 2.11m | 4.5 m | | | | | 11310 | 8818 | 111 01* | 6 299 | | | 8 065 | 4 876 | 8.83 |
| Shoe 600 mm | 3.0 m | | | | | *12.976 | 8 226 | 10 189 | 6043 | | | 7.678 | 4 590 | 9.03 |
| | 1.5 m | | 1 | | | 13 756 | 7 733 | 0066 | 5 788 | | | 7 697 | 4 567 | 8.93 |
| | 9 | STEPS 12 19 12 6 | | | | 13.467 | 7.489 | 9717 | 5 627 | | | B 187 | 4827 | 8.52 |
| | -1.5m | | | 11 241 | .11 228 | 13 432 | 7 460 | 9696 | 5 608 | | | 9.450 | 5 533 | 7.73 |
| | -3.0 m | 14 290 | .14 290 | 14 167 | 111 484 | *11.879 | 7.618 | | | | | | | |
| | 200 | | | | | | | | | | | | | |

LIFTING CAPACITIES

Metric measure

Noties: 1. Flatings are based on ISO 10567.

2. Lifting paperally of the 2XXS Series does not exceed 75% of fipping boad with

2. Lifting paperal or 87% LXXS Series does not exceed 75% of fipping boad with

3. The boad point is the contraction of the bucket, phot mounting pin on the arm.

4. "Indicates load firmined by hydraulic capacity.

5. On m = Ground.

| | | 6 | d | | ١ |
|---|---|---|---|---|---|
| T | 7 | | Î | | ١ |
| 4 | H | | Ĭ | | ١ |
| | 4 | V | 9 | | |
| 1 | | 1 | L | ď | 1 |

| I | | SAN |
|---|---|---|
| 3 | 8 | 0 |

| A: Load radius B: Load point height C: Lifting capacity | 360 degrees | At mac, need? |
|---|---------------------------------|---------------|
| | Rating over-sids or 380 degrees | B,0m |
| | (D) | 7.5m |

| | 10000000000000000000000000000000000000 | | | | | peor | coad madus | | | | | | | |
|-----------------|--|---------|---------|---------|---------|---------|------------|--------|-------|--------|-------|--------|--------|-------|
| Conditions | D PO | 3.0 | 3.0 m | 4.5 m | 8 | 8.0 | 6.0 m | 7.5 | 7.5 m | 9.0 | 9.0 m | | | |
| | Negat M | •c | đ | 4 | ф | Ą | Ф | ÷ | ð | ÷D | Ó | Ф | 0 | meter |
| 2-Piece Boom | m06 |) | | 12 460 | -12 460 | | | | | | | 11 240 | 11 240 | 5.25 |
| Am 233m | L | | | 12 130 | 12 130 | 090 01- | 038 8 | | | | | .8 830 | 7 680 | 6.83 |
| noe countries | 1 | | | 13 500 | 13 500 | .10 360 | 9760 | -8 760 | 6 610 | | | 77 810 | 6 080 | 7.80 |
| | 4.5 m | 19 220 | -19 220 | 17.510 | 14 470 | 11 510 | 9510 | 068 8. | 9 600 | | | .7 330 | 5280 | 8,40 |
| | 3.0 m | -24 740 | -24 740 | 18 460 | 13 950 | 13 430 | 9.450 | -9 620 | 6 430 | | | 7 180 | 4910 | 8.63 |
| | 1,5 m | 24 470 | 24 470 | *19 410 | 13 530 | 13 820 | 8 910 | 9 830 | 6 160 | | | -7 300 | 4 800 | 8,72 |
| | 0 | -30.490 | 24 540 | 19.510 | 12 760 | 13 960 | 8 470 | 096 | 5.940 | | | 7 720 | 4 950 | 8,47 |
| | -15m | -29 950 | 24330 | 919 730 | 12 420 | 13 540 | 8 110 | 9510 | 5 830 | | | -7 220 | 5 440 | 7.94 |
| | -3.0m | -27 030 | 24 630 | 17 660 | 12 350 | 111 230 | 8 020 | | | | | -6 540 | .6540 | 6.91 |
| 2-Piece Boom | E 0.6 | | | 011 670 | 111 670 | | | | | | | 096 6. | 096 6. | 5.73 |
| Arm 2.67 m | 1 | | | *11.540 | 11.540 | 9 570 | 9570 | | | | | -8 070 | 2 100 | 7.19 |
| mm 000 000 | 1 | .14 880 | .14 880 | *12 750 | 12 750 | .9 930 | 002.6 | .8 330 | 6750 | | | 7 210 | 5720 | 8.12 |
| | 4.5m | 21 730 | 21 730 | 16330 | 14 530 | 11 000 | 29 540 | 78 650 | 6710 | | | -6810 | 5 010 | 8.70 |
| | 3.0 m | 24 570 | -24 570 | 18 890 | 14 030 | *12.870 | 9 560 | 9310 | 8 520 | | | .6 680 | 4 650 | 86.8 |
| | 1.5 m | .27 690 | 26 030 | 19 360 | 13 730 | 13810 | 8 990 | 009 6 | 6240 | .6 800 | 4 550 | -6 800 | 4 550 | 9.00 |
| | 0 | 30.210 | 24 720 | 19.410 | 12 860 | 13 890 | 8.510 | 9670 | 5 970 | | | 7 180 | 4 670 | 8.77 |
| | .1.5m | -30 270 | 24 320 | 069 61. | 12 420 | 13 580 | 8 130 | 9 470 | 5 790 | | 1,000 | .7 240 | 2 090 | 8.25 |
| | -3.0 m | •28 090 | 24 470 | 18 500 | 12310 | 12 340 | 096.4 | | | 8 | | -6 030 | .6 030 | 7.36 |
| | -4.5m | *18 970 | *18 970 | 11270 | .11 270 | | | | | | | -9 930 | -9 930 | 4.80 |
| 2-Piece Boom | m0.6 | | | | | -9 110 | 9 110 | | | | | -7 290 | 1 290 | 6.55 |
| Am 320m | 7.5 m | | | | | -8 930 | 028 8. | .7 690 | 6 840 | | | .6 540 | 6 180 | 7.85 |
| William Society | 6.0 m | | | 11 660 | .11 680 | 3310 | -9.310 | .7 800 | 0.69 | | | .6 220 | 5 120 | 8.72 |
| | 8,5 m | .23 450 | *23 490 | 14 430 | 14 430 | *10.300 | -9 580 | 78 180 | 6.870 | 028 9. | 4 820 | .6060 | 4 540 | 9.25 |
| | 3.0 m | .24 350 | -24 350 | *16 690 | 14 100 | 111 990 | 0.29 6. | .8 830 | 6 670 | -7 240 | 4 740 | .5 960 | 4 240 | 9.52 |
| | 1.5 m | *26.540 | 26 160 | 19 300 | 14 040 | *13 750 | 9 130 | 0.96 | 6390 | 7 380 | 4 600 | -6 050 | 4 150 | 9.54 |
| | 0 | -29 260 | 25 050 | 19.260 | 13 020 | 13 620 | 8 580 | 099.6 | 0900 | 7.240 | 4 470 | *6.350 | 4.240 | 9.32 |
| | -1.5m | -30 340 | 24 300 | 19 450 | 12 440 | 13 690 | 8 220 | 9 490 | 5 800 | | | .6 930 | 4 570 | 8.84 |
| | 3.0 m | L | 24 220 | 19 270 | 12 260 | 13 350 | 7 920 | .8 650 | 5730 | | | -5 700 | 5 270 | 8.05 |
| | | 1 | | | | | | | | | | | | |

EQUIPMENT

Metric measure

ZAXIS 350LCN 2-PIECE BOOM

Notes: I. Ratings are based on ISO 10967.

2. Lifting capacity the PAZAKS Series does not exceed 75% of typing base 2. Lifting capacity the PAZAKS Series does not succeed 75% of typing base the machine or furn, level ground or 87% lat hydraufic capacity.

3. The load point is the centre-line of the backet phot mounting ph on the 4. ** Trackets load finited by hydraufic capacity.

5. O m = Ground.

| A: Load radius A: Load radius he arm. | Hating over-front Pating over-side or 360 degrees |
|---------------------------------------|---|
|---------------------------------------|---|

Unit: kg

| | | | | | | Load radus | archur. | | | | | | At mou, reach | 70 |
|-----------------|--------|---------|---------|---------|---------|------------|---------|--------------|-------|-----------|--|--------|---------------|-------|
| Conditions | 9 8 | 3.0 | 3.0 m | ** | 4.5 m | 90 | 8.0 m | 7. | 7.5m | 9.0 | 9.0 m | | | |
| | Person | 4 | đ | +0 | đ | Đ | đ | Ŷ | ð | • | ٥ | ð | Ф | meter |
| -Piece Boom | B.0.8 | | | 12 460 | 12 460 | | | | | CHIEF CO. | 100 C | 11 240 | 10.910 | 5.25 |
| Am 2.33 m | 1 | | | 112 130 | 12 130 | .10 060 | 9 140 | | | 200 | | .8 830 | 7 060 | 6.83 |
| Store SOUTHWILL | E 0.0 | | | 13 500 | 113 500 | .10 360 | 9 120 | 092 8- | 8 100 | | | .7.810 | 5 600 | 7.80 |
| | 4.5 m | 19 220 | 19 220 | 17.510 | 13410 | 111 510 | 8 870 | 066 8. | 0609 | | | -7 330 | 4 860 | 8.40 |
| | 3.0 m | -24 740 | 24 220 | -18 460 | 13 460 | -13 430 | 8710 | ·9 620 | 2 920 | 1 | | -7 180 | 4 500 | 8.69 |
| | 1.59 | -24 470 | 22 420 | 19 410 | 12 320 | 13 800 | 8 180 | 9 820 | 5 680 | | | 17 300 | 4 390 | 8.72 |
| | 0 | 30 400 | 21 620 | 19510 | 11.570 | 13 830 | 7 760 | 9 620 | 5 440 | | | 7 720 | 4 530 | 8.47 |
| | -1.5m | -29 950 | 21 420 | *19 730 | 11 240 | 13510 | 7 400 | 9 490 | 5330 | | 100000000000000000000000000000000000000 | -7 220 | 4 970 | 7.94 |
| | -3.0 m | -27 030 | 21 700 | 17 660 | 11.180 | .11 230 | 7 320 | | | | | .6540 | 0509 | 6.91 |
| 2-Piece Boom | 9.0 m | | | 111 670 | 11 670 | | | | | | 10 mg | .9 960 | 9 590 | 5.73 |
| Am 2.67 m | 7.5 m | | | 111 540 | 111 540 | 3570 | 9 280 | | | | | -8 070 | 6 550 | 7.20 |
| W 200 000 | 6.0 m | .14 880 | .14 880 | 112 750 | *12 750 | -9 930 | 9 160 | .8 330 | 6 240 | | | *7.210 | 5 280 | 8.12 |
| | 4.5 m | -21 730 | 21 730 | .16 330 | *13 500 | .11 030 | 8 900 | 059 8. | 6200 | | - | *6810 | 4 000 | 8.70 |
| | 3.0 m | -24 570 | 24 240 | 18 880 | 12 950 | 12870 | 8 820 | 19310 | 0009 | | | -6 680 | 4 260 | 8.98 |
| | 1.5m | -27 680 | 23 020 | 19 360 | 12510 | 13 790 | 8 260 | 2 780 | 5 730 | -6 800 | 4 160 | 16 800 | 4 160 | 9.00 |
| | 0 | .30,210 | 21 790 | 119 410 | 11 670 | 058 61. | 064.4 | 9 650 | 6.460 | | | *7 180 | 4 270 | 8.77 |
| | -1.5m | *30.270 | 21 410 | 19 600 | 11 250 | 13 550 | 7 420 | 0.460 | 5 290 | | | -7 240 | 4 650 | 8.25 |
| | -3.0 m | *28 090 | 21 560 | 118 500 | 11 140 | 12 340 | 7 250 | | | | | 000 9. | 5 530 | 7,36 |
| | 4.5m | *18 970 | 18 970 | 11 270 | 11 270 | | | | | | | 29 930 | -8 930 | 4.80 |
| 2-Piece Boom | 8.0 m | | | | | 9 110 | 20110 | | | | | -7 290 | -7 290 | 6.55 |
| Am 3.20 m | 7.5 m | | | | | .8 930 | .8 830 | -7 690 | 6320 | | | -8.540 | 5 700 | 7.86 |
| and bound | 6.0 m | | | 11 680 | 11 680 | 9310 | 9 170 | 7 800 | 6 460 | | | -6 220 | 4710 | 8.72 |
| | 4.5 m | *23 490 | .23 490 | 14 430 | 13 550 | *10300 | 8 960 | -8 180 | 6 400 | .6 820 | 4 430 | -6 060 | 4 160 | 9.25 |
| | 3.0 m | 24350 | 24 220 | *18 890 | 13 060 | 066 11. | 0.00 | -8 830 | 6190 | 1 240 | 4 350 | -5 960 | 3 880 | 9.52 |
| | 1.5m | 26.540 | 23 970 | 18 300 | 12 810 | 13 730 | 9 400 | -9 670 | 5 880 | 7 370 | 4210 | .6 050 | 3 790 | 9.54 |
| | 0 | 29 260 | 22 100 | 19 260 | 11 820 | 13 600 | 7.800 | 0096 | 9995 | 7 230 | 4 080 | .6350 | 3.670 | 9.32 |
| | -1.5m | -30 340 | 21 390 | 19 450 | 11 260 | 13 660 | 7 500 | 9 470 | \$300 | | | .6 930 | 4 170 | 8.84 |
| | -3.0 m | *29 230 | 21 310 | 19 270 | 11 090 | 13 320 | 7 220 | 9 650 | 5 230 | | | -5 700 | 4 810 | 8.05 |
| | 1 | 024 750 | 21 740 | *14 790 | 11 070 | 'B 440 | 7 290 | | | 1112 | The Later of the L | .7 230 | 6 830 | 6.26 |

| STANDARD EQUIPMENT | Sta | Standard equipment may vary by country, so please consult your HTACHI dealer for details. | ase consult your HITACHI dealer for details. |
|--|--|---|---|
| ENGINE | CAB | MULTI FUNCTION MONITOR | UNDERCARRIAGE |
| HVP mode control | CRES II (Center pillar reinforced) | Display of meters; water | Travel parking brake |
| • E mode control | structure) cab | temperature, hour, fuel rate, clock | Travel motor covers |
| 50 A alternator | OPG top quard fitted Level ! | Other displays: work mode, | 3 track guards (each side) and |
| Dry-type air filter with evacuator | (ISO10262) compliant cab | auto-idle, glow, rearview monitor, | hydraulic track adjuster |
| valve (with air filter restriction | All-weather sound suppressed steel | operating conditions, etc | Bolt-an sprocket |
| indicator) | cab | Alarms: overheat, engine warning, | Upper rollers |
| Cartridge-type engine oil filter | Equipped with reinforced, tinted | engine oil pressure, alternator, | Reinforced track links with pin seals |
| Cartridge-type fuel double filters | (green color) glass windows | minimum fuel level, hydraulic filter | 4 tie down hooks |
| Air deaner double filters | 4 fluid-filled elastic mounts | restriction, air filter restriction, work | - |
| Radiator, oil cooler and intercooler | Front windows on upper, lower | mode, overload, efc | FRONI ALIACHMENIS |
| with dust protective net | and left side can be opened | Alarm buzzers; overheat, engine oil | • HN bushing |
| Radiator reserve tank | Intermittent windshield wipers | pressure, overload | WC (tungsten-carbide) thermal |
| Fan quard | Front window washer | | spraying |
| Isolation-mounted engine | Adjustable reclining seat | LIGHTS | Reinforced resin thrust plate |
| Auto-idle system | with adjustable armrests | 2 working lights | Flanged pin |
| Fuel cooler | Footrest | | Casted bucket link A |
| Electrical fuel feed pump | Electric double horn | UPPER STRUCTURE | Centralized lublication system |
| Engine oil drain coupler | AM-FM radio with digital clock | Undercover | Dirt seal on all bucket pins |
| | Seat belt | 7 400 kg counterweight | |
| HYDRAULIC SYSTEM | Drink holder | Fuel lavel float | MISCELLANEOUS |
| Work mode selector | Cigarette lighter | Electric fuel refilling pump | Standard tool kit |
| Power boost | Ashtray | with auto stop | Lockable machine covers |
| Auto power lift | Storage box | Rearview camera | Lockable fuel refiling cap |
| Extra port for control valve | Glove compartment | 160 Ah batteries | Skid-resistant tapes, plates |
| Suction filter | Fire extinguisher bracket | Hydraulic oil level gauge | and handrails |
| Full-flow filter | Floor mat | Tool box | Travel direction mark on track frame |
| Pilot filter | Short wrist control levers | Utility space | Onboard information controller |
| Swing dampener valve | Pilot control shut-off lever | Rearview mirror (right & left side) Swing parking brake | |
| | Ando control air conditioner | 0 | |
| | Transparent roof with side curtain | | |
| | Mechanical suspension seat | | |
| | with heater | | |



Optional equipment may vary by country, so please consult your HITACH1 dealer for details. Track undercover

Track under UNDERCARRIAGE OPTIONAL EQUIPMENT FOPS guard
 Air suspension seat with heater
 Fah guard
 Sun visor
 Sun visor
 Sun visor Laminated round glass window LIGHTS

Additional cab roof front lights
 Additional cab roof rear lights
 Rotating temp
 Additional boom light with cover



Tropical cover Designed for use in the Tropics (severely hot climate), with extra wide opening for more heat dissipation, thus reducing sound suppression.
 The machine filtow with this cover cannot pass EU Noise Regulation 2000/14/Ec,SYAGE II, not permitting the use of the CE mark

Pror to operating this mochine, including satisfits communication system, in a country of the time a country of its time type to receive by the country of the time a country of its time time a modification to it so that it complete with the boas inguistory standards including assists amorating and legal requirements of that particular country. Please of ort incrord or operate in the markine outsides the country of its inferred use unit such country for the inferred use unit such complete has been confirmed. Please contact your Habot desien in case of questions about completion.

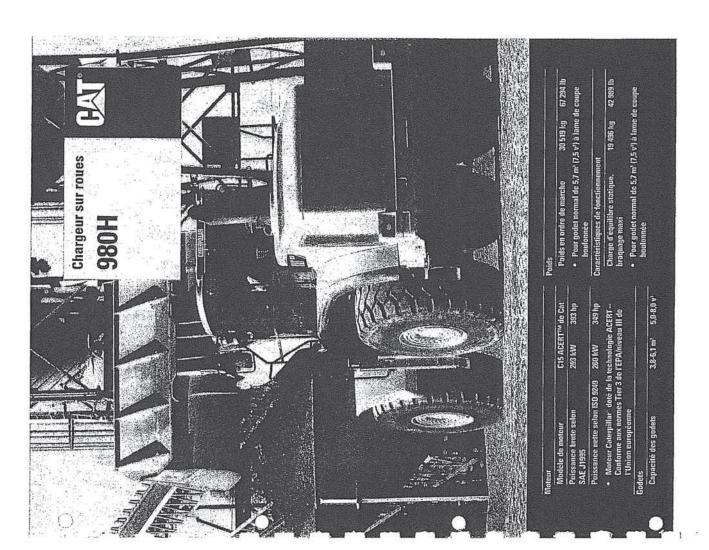
These apperioadions are subject to change without notice.

It asserts and protos above the standard models, and may or may not include optional equipment, and searches a standard optionary with some distinction in not institute, and it standard optionary with some distinction in notice and institutes.

Before use, and and understand the Operator's Manual for proper operation.

Hitachi Construction Machinery

KS-EN003EUS



Chargeur sur roues 980H

La nouvelle norme pour les chargeurs sur roues intermédiaires.

Habilité

- · Technologies éprouvées
- · Un service après-vente sur lequel on peut
- · Programme de rénovation des plus Disponibilité inégalée des pièces
- · Offre de services exceptionnelle P. 4

Facilité d'entretien

- · Entretien quotidien simple et facile
- · Immobilisation minimale pour l'entretien
- · Détection des problèmes avant qu'ils ne
- · Appui total à la clientèle P. 16

Durabilité

- Structures conçues pour durer
- · Transmission à planétaires éprouvée
- Moteur C15 avec technologie ACERTPA
 - Systèmes intégrés P. 6

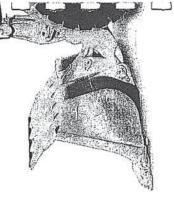
Productivité

- · Niveau uniforme de puissance

Caractéristiques de série et en option destinées à augmenter la productivité P. 8

une cabine de premier ordre. Électronique et hydraulique révolutionnaires au service exceptionnels pour le conducteur grâce à les plus exigeantes. Confort et efficacité Performances tangibles dans les tâches de commandes exigeant peu d'efforts. Productivité accrue à des coûts

d'exploitation moindres.



Polyvalence

- · Personnalisez le 980H pour votre activité
- · Grande variété d'outils de travail Cat"
- · Versions de machine pour applications spécialisées P. 10

Confort de conduite

- · Cabine silencieuse et confortable
- · Entrée et sortie aisées
- · Excellente visibilité
- · Effort réduit du conducteur

Poste de conduite confortable P. 12

- Coûts d'exploitation
- · Rendement énergétique éprouvé

· Entretion simple et pratique

- Disponibilité exceptionnelle des pièces
- · Excellente valeur de revente
- · Financement adapté à votre activité P. 14

Fiabilité

Le chargeur intermédiaire 980H de Car® – prêt à travailler n'importe quand, en toute saison.

- Une technologie éprouvée qui démontre sa fiabilité dès le premier jour
- systèmes qui fonctionnent ensemble Conception et fabrication Cat de comme un tout
- Temps productif optimal grâce à l'appui du meilleur réseau de concessionnaires de l'industrie
- Disponibilité suns égale des pièces Cat
- concessionnaire Cat sur votre lieu de Offre de services exceptionnelle du travail ou dans ses ateliers

et éprouvés sur le 980G Série II et les modèles construit sur la plate-forme du légendaire 980. Un grand nombre des systèmes conçus à planétaires, la cabine, le circuit de refroidissement séparé, le système de freinage intégré, le convenisseur de couple Technologie óprouvée. Le 980H de Cal est antérieurs sont toujours utilisés aujourd'hui pour le 980H. La transmission powershift contribue à la fiabilité éprouvée du 980H. à stator à roue libre, les bâtis - tout



ACERT a fait ses preuves dans les camions routiers depuis mars 2003, et plus récemmen uu cours d'essais sur le terrain d'équipement économies de carburant ou la performance. de chantier. Grâce à cette technologie, les moteurs Cat répondent aux exigences de durabilité et de fiabilité sans sacrifier les Technologie ACERT™. La technologie

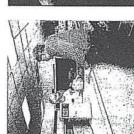


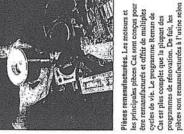
du concessionnaire Caterpillor est de veiller à ce que votre chargeur soit en bon état de marche quand vous en avez besoin. Service après-vente. La priorité première concessionnaires Cat appartenant à des propriétaires indépendants est le meilleur au monde dans la distribution de pièces et d'équipement. Ils sont là au moment et il l'endroit où vous en avez besoin. Le réseau mondial entier des 206

une palette sans égale de services personnalisés pour votre chargeur sur roues. Grâce aux 23 centres de distribution Disponibilité des pièces. Caterpillar offre implantés dans 11 pays, la plupart des pièces peuvent être livrées en 24 heures.

machines anciennes sont faites spécialemen nctualiser les machines à la technologie uctuelle. Les pièces Classie74 de Cat pour Toutes les pièces foumies par Caterpillar selon les spécifications de Cat à un coût sont fabriquées selon les spécifications du matériel d'origine. Des kits de modernisation sont disponibles pour

Toutes les pièces servant à réparer votre machine – batteries, joints, filtres, liquides, hydraulique, pièces de moteur – sont conques et fabriquées pour fonctionner ensemble de façon efficace et rentable en tant que système.





produits remanufacturés qui répondent à vos autentes face aux services de Caterpillar. Les produits remanufacturés sont stockés dans les centres de distribution partout dans le monde et sont prêts pour l'installation, et un contrôle de la qualité sans égal garantissent la fiabilité et la durabilité des les spécifications d'origine avec les mises Des directives de réutilisation rigoureuses à jour nécessaires.

réduisant ainsi les immobilisations au profit Offre de services. Une opération d'entretier de pointe et les techniciens y conservent les dossiers de caractéristiques techniques et les schémas de chaque machine Cal. ou une réparation imprévue s'impose? Les techniciens d'intervention de Car ont l'expérience et les outils nécessaires pour entretenir votre chargeur sur place. Les camions-ateliers sont dotés de tous les outils et équipements diagnostiques de la productivité et de la rentabilité. Les expens techniques à l'atelier du fournissent de l'assistance à chaque concessionnaire et chez Caterpillar technicien d'intervention.

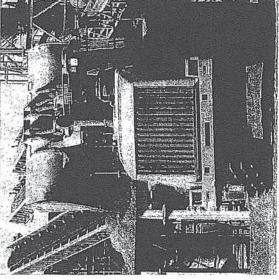
les ateliers des concessionnaires Cot sont entièrement équipés pour intervenir Si la réparation sur place ne suffit pas. rapidement sur votre chargeur,

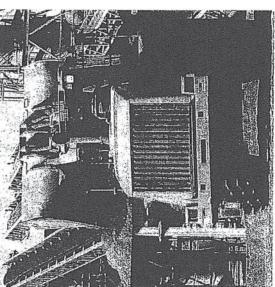
Les concessionnaires Caterpillar vous appuient avec une variété de programmes. depuis le financement d'un achat jusqu'au service après-vente complet. Programmes de service après-vente.

- · AchaUlocation à court ou long terme Assurance Caterpillar

 - Options d'investissement
- Formation sur le matériel Car
- Contrats d'assistance client
 - · Services S.O.S.

peuvent contribuer à votre résultat financier. Votre concessionnaire Cat peut vous aider à pour votre entreprise. Il peut vous aider à calculer les coûts d'exploitation et la façon dont les options de financement offertes décider des meilleures options d'acquisition Achat ou location à court ou long terme?





Durabilité

La durabilité est intégrée, non pas surajoutée.

- · Structures robustes et durables
- Pièces principales conçues et fabriquées afin de procurer une durée de service pour offrir de longues heures d'utilisation et pour ètre rénovées
- Moteur C15 avec technologie ACERT maintenunt la performance, l'efficacité et la durabilité du moteur tout en réduisant les émissions
- Capot plus robuste à levage et abaissement plus rupides
- de la machine pour protéger les marches contre l'accumulation de débris Échelle principale intégrée dans le côté

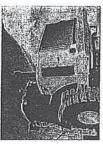


maintenir un alignement rigide des pièces. Le châssis est soudé par robot à plus de 90 pour cent, ce qui assure une pénétration tout en supportant la ligne d'arbre afin de Structures. Le 980H conserve les mêmes Le châssis arrière entièrement caissonné absorbe les chocs et les forces de torsion structures de base que le 980G Série II. profonde des soudures et confère un maximum de durabilité et de résistance

Le châssis avant constitue un support de montage solide pour l'essieu avant. les bras de levage et les vérins d'inclinaison, L'affût-

thermiquement pour assurer une résistance maximale aux forces de torsion et aux chocs. Le tube transversal en acier moulé est traité d'urrachage exceptionnelles et un bon angle chargements plus complets et une meilleure excellente hauteur de vidage et portée tout de redressement du godet ganntissant des chargeur mécanosoude à quatre plaques résiste aux chocs et aux contraintes de en maintenant la vissbilité sur le godet. Les bras de levage sont en acier plein, offrant une résistance supérieure, une La timonerie en Z produit des forces retenue du matériau. chargement,

La conception à articulation à pivois espacés du 980H réduit les contraintes imposées à l'axe d'articulation et aux roulements à galets, pour une longue durée de service.



Le système d'actionnement a également été amélioré, Des vérins de levage jumelés à mieux au vent et à l'accumulation de boue. actionnement electrohydraulique néduisent épaisseur, le nouveau capot offre une meilleure durabilité tout en maintenant la visibilité du sol. Le capot renforcé résiste Nouveau capet. Un nouveau capot a été considérablement le temps de levage et d'abaissement. conçu pour le 980H. Avec sa double

prolégées contre l'accumulation de débris. Une inclinaison de cinq degrés facilite l'entrée et la sortie de la cabine. Nauvelle échelle. L'échelle du 980H est intégrée dans le côté de la machine. Les marches autonettoyantes sont



du système de commande électronique de la pression d'embrayage (ECPC) confère équipé d'une transmission qui a fait ses preuves depuis plus de 40 ans. Et l'ajout Transmission powershift, Le 980H est à la transmission un nouveau niveau de durabilité,

l'engagement des embrayages pour adoucir les changements de vitesse et de cens de murche et procurer une plus longue durée de service des pièces que la transmission du 980G Série II. L'ECPC module individuellement

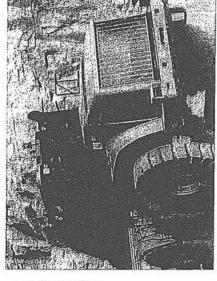


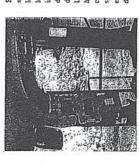
technologies innovatrices pour acheniner précisément le carburant dans la chumbre de combustion. Elle préserve la performance, l'efficacité et la durabilité du moteur tout en Moteur. La technologie ACERT allie des réduisant énormément les émissions. systèmes éprouvés à de nouvelles

kilomètres sur la route lui ont valu le prix de robuste du CIS a nécessité très peu de modifications pour recevoir les pressions de Le moteur C15 utilisé dans le 980H possède dans le matériel de chantier que dans les camions routiers. En fait, la tiabilité qu'il a durabilité et de densité de puissance, autant I.D. Power & Associates en matière de fiabilité pour le client. La conception une solide réputation de fiabilité, de démontrée au cours de millions de cylindre supérieures associées à la technologie ACERT.

technologie ACERT. D'abord introduites au nouvelle, beaucoup de ses constituants sont electroniques perfectionnées utilisées dans les moteurs Cat ont un historique reco Bien que la technologie ACERT soit les mêmes que ceux utilisés dans des electroniques sont les cerveuux de la début des années 90, les commandes moteurs antérieurs. Les commandes performance et de fiabilité.

fiabilité et la durabilité ont été éprouvées sur Le circuit de carburant MEUI de Cat est un carburant à injecteurs-pompes électronique actionnés mécaniquement (MEUI) de Cat. Le moteur C15 est équipé du circuit de circuit de carburant très évolué dont la





La CMS est liée au moteur, à la transmission, d'avertissement permettent au conducteur systèmes permet au chargeur de travailler surveillance Caterpillar (CMS) supervise les principaux systèmes machine et alerte à l'hydraulique et aux freins - la mise en en tant que système entièrement intégré intervention d'entretien. Trois niveaux d'évaluer plus précisément la situation. communication de tous les principaux le conducteur s'il faut procéder à une Systèmes intégrés. La centrale de de la timonerie au moteur.

Productivité

Déplacez davantage de matériau.

- Caractéristiques de la transmission qui optimisent les performances de la machine
- Moteur maintenant un niveau uniforme de productivité
 - Caractéristiques de série et en option qui augmentent la productivité

Autoshift. Choix entre le mode de changement de Vitesse manuel ou automatique dans la cabine. Cette caractéristique flexible augmente l'efficacité du conducteur et optimise la performance de la machine.

Apparie la grille de vitesses de la transmission aux exigences des application variable améliore la qualité des passages de vitesses et l'efficacité énergétique dans de la machine. La commande d'autoshift transmission de passer les vitesses à des valeurs de régime moteur inférieures. certaines applications en permettant à la Commande d'autoshift variable (VSC).

Système de gestion du ralanti moteur (EIMS). énergétique et permettent de gérer avec souplesse les régimes de ralenti en fonction Quatre réglages de la commande de ralenti contribuent à optimiser le rendement des exigences de l'application.

Le mode veille prolongée permet au régime de ralenti de buisser au bout d'une durée prédéterminée afin de réduire la consommation de curburant, le niveau sonore et les émissions,

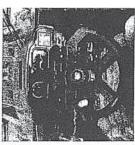
souplesse les régimes de ralenti du moteur. Le mode travail permet de réguler avec Le mode réchauffement est conçu pour

Le mode basse tension empêche la décharge de la batterie résultant de charges électriques que la machine reste toujours chaude par temps froid.

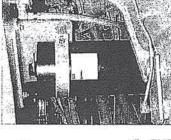
elevées des accessoires.



compense automatiquement les charges climatiscur, afin de maintenir un niveau Puissance nette constante, Le moteur parasites, comme le ventilateur et le uniforme de productivité.



un braquage complet du chargeur, alors qu'il suffit de iourner le volant avec commandes de transmission intégrées de ±70° avec Un volant de direction classique nécessite en effet deux à trois tours de 360° pour obtenir direction pour obtenir un braquage complet de transmission intégrées réduit les mouvements de braquage d'un facteur de Volant avec commandes de transmission 14 comparé à une direction classique. seulement 26 N (6 lb) de pression de intégréus. Le volant avec com

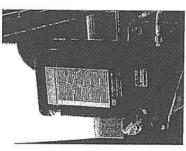


et la retenue de la charge en déplacement sur terrain accidenté. Le conducteur peut déplacements et améliore la performance rouler à des vitesses plus élevées en toute Commande antitangage. La commande confiance en chargement-transport, diminuant ainsi les temps de cycle antitangage en option adoucit les et augmentant la productivité.

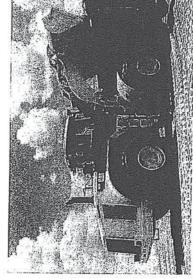
camions est ainsi plus précis et plus rentable. Des balances conçues spécifiquement pour les machines Cat et intégrées dans les bras de levage pèsent dans la foulée le matériau entré dans le godet. Le chargement des optimal du premier coup. les dycles sont plus rapides, l'efficacité à la balance est Comme le chargement des camions est accrue et la productivité est supérieure. Système de pesée de la charge utile.

disponible comme option installée en usine.

Une imprimante est également disponible pour l'impression des relevés de pesée et de divers rapports. Le système de pesée de la charge utile est



automatique accroît la productivité puisqu'elle fonctionnement du chargeur. La lubrification réduit le temps consacré à l'entretien et les immobilisations dues aux réparations précise des axes et des bagues pendant le d'autolubrification Caterpillar en option assure une lubrification automatique et imprévues, causées par un graissage Autolubrification. Le système insuffisant,



système Aurodig offert en option permet d'automatiser le chargement. Les conducteurs obtiennent à tout coup de pleines charges Système Autodig. Apprécié des conducteurs expérimentés autant que des novices, le sans toucher les commandes.

Polyvalence

Équipez un 980H en fonction de votre activité.

- Une variété de godets et d'autres outils de travail pour de nombreuses applications différentes font du 980H
 - un chargeur sur roues très polyvalent Beaucoup d'options peuvent être
- personnaliser le 980H pour votra activité commandées installées d'usine afin de Des versions de machine spéciales.
- peuvent être foumies par l'usine pour les applications d'agrégats, de foresterie, de rebuts, d'aciérie et de déchets
- Une version haute portée est disponible pour les besoins de hauteur de vidage spéciale

une variété de godets, d'outils de travail et de coupieurs pour adapter le 980H à votre Caterpiliar et ses concessionnaires offrent Outils de travail et coupieurs express. application.

conferent aux chargeurs sur pneus une polyvalence suns pareille. Les godets et les outils de travail se changent en quelques Coupleurs express. Les coupleurs express secondes, depuis la cabine, pour une productivité muximale.



Godets normaux. Les godets normaux procurent une bonne performance générale robuste pour les applications plus abrasives pour la mise en tas, la reprise, le creusage et le chargement de matériaux en place. On peut utiliser un godet normal extra-

manutention. A fond plat, sert à transporter les matériaux en tas tels les agrégats et autres matériaux faciles à charger qui Godets de manutention. Le godet de n'exigent qu'une force d'arrachage modérée.

Fourches, Fourches à grumes, pour scierie et

Les godets pour copeaux et pour nettoyage conviennent aux applications de foresterie

et de scierie.

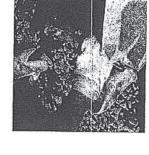
Godets pour capeaux et pour nettayage.

à palettes sont offertes pour les applications

de foresterie et de manutention de matériau

de travail spécialisés, tels que des bras de manutention et des charrues de déneigement, sont disponibles pour le 980H. Consulter le concessionnaire Caterpillar local pour Outils de travail spécialisés. D'autres outils

obtenir des renseignements sur l'application et la disponibilité,



offre plusieurs outils d'attaque du sol pour moulé est intégré à la structure des godets, permettant l'ajout d'une dent à l'extrémité les godets du 980H. Un adaptateur de coin Outils d'attaque du sol (GET). Caterpillar du coin pour ralentir l'usure du fond du

lame droite procure une force d'arrachage plus élevée et une haureur de vidage accure.

Le godet à roche à lame en V tronqué offre une mellleure pénétration.

au traitement des ordures. Le godet grande

capacité est bien adapté su chargement,

au triage et aux autres travaux en station

déchets sont conçus pour durer longtemps

Godets pour déchets. Les godets pour

malgré la rigueur des applications liées

chargement de matériaux en place dans les

conçus pour le chargement avant ou le

Godets à roche. Les godets à roche sont

mines et les carrières. Le godet à roche à

réversibles (BOCE) et une lame de coupe en demi-pointe à boulonner compatibles Il existe aussi des lames à boulonner avec les godets du 980H.

bien en place. La pose ou la dépose n'exige Les pointes du système de la Série KTM de Cat sont plus faciles à installer et restent aucun outil spécial.

Versions spéciales. Une application spécialisée nécessite un chargeur sur roues spécialisé... et productif ! Le 980H est offen dans une grande variété de versions.

> applications de chargement et de mise en tas charbon maximisent la productivité dans les

Godets pour charbon. Les godets pour

du charbon et d'autres maiériaux de même

Le godet extra-robuste pour carrière sert là où les choes sont nombreux et violents

et où les matériaux sont très abrasifs.

Godets extra-robustes pour carrière.

10

augmenter la productivité de votre carrière? Deux ensembles sont offert pour le 980H afin d'atteindre ce résultat. L'ensemble de Applications d'agrégats. Vous cherchez à chargeur de carrière offre le godet normal de 6,1 m' (8 v2).

productivité et de fonctionnalité à une valeur L'ensemble de chargeur de carrière bonifié de votre chargeur sur roues le chargeur de offre le summum en matière d'options de système Autodig, le système de pesée de réduisent la fatigue du conducteur et font la charge utile et le système antitangage carrière le plus productif sur le marché. exceptionnelle. L'autolubrification. le

Foresterie. La version machine forestière être productif dans cette application dure. On peut ajouter des fourches à grumes et pour scierie et des godels pour copeaux et pour nettoyage afin d'équiper le 980H équipe le 980H d'une transmission pour service intensif, de vérins d'inclinaison surdimensionnés et d'un contrepoids de robustesse et la durabilité requises pour 2041 kg (4500 lb) pour lui conférer la pour les applications forestières.

Chargeur industriel. Des protections extrarobustes et des caractéristiques spéciales la manutention de déchets et de rebuts, de travail spécialement conçus pour ces applications peuvent être ajoutés conditions les plus dures. Des outils applications industrielles, telles que permettent au 980H de résister aux conçues spécifiquement pour les

transmission intégrées, un pare-brise monté

Versions haute portée. Une version haute portée est disponible pour les applications

Spara マイフ ハンヴ 「大人の

aciérie comporte la protection supplémentaire nécessaire pour prolonger la durée de service de la machine et en réduire les coûts ncutralisation de la transmission, une échelle supports de moteur et de transmission extrad'exploitation dans cet environnement très 'arrêt à distance du moteur. le déblocage en acier pour les pièces essentielles, une robustes, des flexibles hydrauliques protégés, un montage isolé de la batterie, en câble d'acier, un couvercle d'arbre de direction par volant avec commandes de Applications d'aciérie. La version pour dur. Cette version inclut des protections transmission pour service intensif, des à distance du frein de stationnement. Ia

liquide hydraulique EcoSafe FR46 (en option) sur joint permettant un remplacement rapide, Des godets pour laitier sont également offerts. et la plate-forme élévatrice avant (en option) des garde-boue avant étroits en acier, du

Tous les godets du 980H se montent autunt sur les versions standard que haute portée. exigeant une hauteur de vidage supérieure.

Confort de conduite

Le confort et la fonctionnalité augmentent l'efficacité.

- Un niveau acoustique de 76 dB(A) dans la cabine assure un fonctionnement
- silencleux et réduir la fatigue pendant les longues journées de mavail

Les vibrations sont atténuées pour

unélierer le confort de conduite

- machine facilitent l'entrée et lu sortie Des portes sur les deux côtés de la
- distortion, aux essuie-glaces à lave-glace Excellente visibilité - avant et arrière grace à la vitre plate sans effet de
- integre, aux gouttières du toit qui orientent la pluie vers les montants du cadre ROPS plutôt que vers les vitres et au porte-à-faux du toit qui élimine les reflets des yeux du conducteur
 - Commandes et contacteurs centralisés, graphiques clairs pour des manoeur faciles à atteindre, avec symboles
- Siège Comfort de Cat assurant une assise solide et durable pour les conducteurs de toute mille
- Volant avec commandes de transmission intégrées réduisant de façon significative l'effort requis par le conducteur

Pression acoustique. Lo niveau de pression acoustique du 980H a été réduit de 4 dB(A) – à 76 dB(A) – soit une amélioration de 50 pour cent par rapport au 980G Série II. L'amélioration du niveau acoustique a été équipenient d'atténuation sonore en option au niveau des portes, des panneaux avant améliorée, ce qui contribue également au niveau acoustique inférieur. En outre, un extérieur à 107 dB(A) et le niveau de pression acoustique intérieur à 72 dB(A). permet de réduire le niveuu acoustique rendue possible par l'ajout d'isolation et arrière et du plancher de la cabine. La pressurisation de la cabine a été

de la machine provoquées par ces conditions travaillent dans les environnements les plus durs. L'atténuation des vibrations normales dures reliausse l'efficacité et la productivite Vibrations. Chez, Caterpillur, nous savons que les chargeurs sur roues intermédiaires des conducteurs. Du sol au toit, le 980H de Cat a de nombreuses caractéristiques,

- L'essieu arrière oscillant suit les reliefs du sol mais assure la stabilité de la de série et en option, qui réduisent les vibrations.
 - de supports en caouteboue conçus pour réduire les choes venus du sol. Lu cabine est fixée au châssis à l'aide cabine.
- distributeur qui module la force d'impact lorsque la machine atteint la fin de son Uarticulation est équipée d'un rayon de braquage.
- L'amortissement de butée de vidage est disponible pour ralentir le godet alors qu'il atteint les limites de course.
- réduit les secousses et les rebonds en chargement-transport. Un accumulatour fait office d'amortisseur et réduit le tangage de la machine, facilitant les Le système antitangage, en option, déplacements en terrain accidenté.
- d'équipement à la vitesse et à la position des bras de levage et du vérin de godet. Gráce à cette précision, l'actionnement eliminant virtuellement la soudaineté du distributeur et la course du vérin parfaitement la position du levier l'hydraulique font correspondre s'effectuent en douceur tout en Des capteurs électroniques et de mouvement.
- commande électronique éliminent les secousses et les rebonds associés aux Les arrêts automatiques de levage et d'abaissement et la position du godet peuvent être réglés par le conducteur depuis la cabine. Ces arrêts amortis à arrêts brusques.

Entrée et sonte. Une échelle intégrée dotée L'échelle est inclinée de 5° vers l'avant de marches autonettoyantes réduit au minimum l'accumulation de débris. pour faciliter l'entrée et la sortie.

de se déplacer en toute sécurité vers l'avant et l'arrère de la machine. La porte principale Les plates-formes sont larges pour permettre de la cabine pivote sur 180° et se verrouille en position ouverte pour des déplacements suns danger vers l'arrière de la machine.



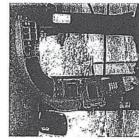
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circonstances. Le toit est creusé de gouttières qui orientent la pluie vers les coins pour que les fenêtres restent propres. Un porte-à-faux Visibilité. La visibilité à l'avant et à l'amière le godet. Les essuie-glaces avant et arrière assurent la propreté des fenèues en toutes sur les quatre faces protège le conducteur de la machine est excellente sur le 980H. La vitre plate sans effet de distorsion se prolonge jusqu'au plancher de la cabine. offrant ainsi une excellente visibilité sur des reflets.

option comporte des marches supplémentaires et des mains courantes qui facilitent l'accès Un ensemble de nettoyage de pare-brise en pour nettoyer les vitres.

option permet de surveiller de plus près les mouvements à l'arrière du chargeur Une caméra de rétrovision offerte en

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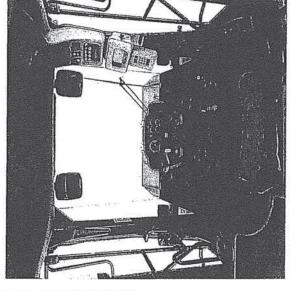


n'entrave la vue sur le sol. Les interrupteurs comportent des symboles graphiques clairs qui en facilitent la compréhension et montant droit du cadre ROPS : tout est à commandes du 980H est fixé haut sur le Commandes. Le principal panneau de portée de main du conducteur et rien

L'emplacement judicieux des commutateurs l'efficacité et la productivité et réduit au minimum la fatigue du conducteur. commandes contribue à améliorer

sont intégrées les commandes d'accessoires Sièges. Le siège Comfort de la série C-500 de Cat est robuste et durable et compte 6 réglages pour conducteurs de toute taille. se règle pour rendre la conduite confortable L'assise monopièce moulée empêche tout Le siège est doté d'un support lombaire avec confort maximal comme ceux des automobiles. L'accoudoir droit, auquel objet de faire saillie sous les coussins.

Un siège chauffant est disponible en option pour améliorer le confort par temps froid.



de direction, peu importe les conditions. Il suffit en effet de toumer le volant de ±70° de la position du volant de direction. Il faut moins de 26 N (6 lb) d'effon sur la volant commandes de transmission intégrées est un circuit à détection de charge qui établit une fiaison entre le volant de direction et pour obtenir un braquage complet, contre deux à trois tours de 360° avec un volunt de la machine dépend alors directement Simplicità d'utilisation. Le volant avec l'angle du bâti pour régler l'orientation avec précision. La vitesse de braquage de direction classique.

direction en tout temps tout en passant les vitexess. Les commandes d'accessoires sont intégrées à l'accoudoir de droite et se déplacent donc avec le conducteur. arrière et le bouton de montée en vitesse/ rétrogradation; le conducteur peut donc de transmission intégrées comporte le garder la main gauche sur le volant de

Le volant de la version avec commandes

Coûts d'exploitation

Le 980H de Cat - une valeur sûre pour votre entreprise.

- grace au rendement énergétique éprouvé Davantage de travail pour votre argent de Car
- L'entretien quotidien simplifié grâce aux regards de niveau, à l'entretien à hauteur d'homme, à l'accès facile au moteur, aux raccords de vidange écologiques et aux batteries sans entretien augmente le temps productif de la machine
- La disponibilité exceptionnelle des pièces réduit les immobilisations
- aux programmes d'après-vente inégalés Excellente valeur de revente grâce à la qualité authentique de Cat, nu service remarquable des concessionnaires et
- et les concessionnaires Cat comprennent votre activité et offrent des programmes de financement et d'assistance chent Les services financiers de Caterpillar pour rehausser la valeur de votre



de la machine, du système de régulation du volume d'air d'admission et du système d'injection qui dose très précisément le carburant, et ce, grâce à l'intégration de la commande électronique qui surveille l'état

carburant, en fonction des besoins.

directement à la combustion complète du concurrentes. Cette économie est reliée à celle que permettent les technologies de la technologie ACERT, l'économie de carburant est de 3 à 5 % supérieure

produisent à des régimes supérieurs. Dans le mode intermédiaire (2), les conducteurs de 319 hp et la transmission passe les vitesses correspondre aux exigences de l'application variable (VSC). Lorsque le cadran est placé sur le mode standard (1). les conducteurs de 349 hp et les changements de vitesse se bénéficient d'une puissance nette constante économie (3), le régime moteur auquel les changements de vitesse s'effectuent est Économie de carburant. Avec le 980H, la puissance et les points de changement de via le cadran de la commande d'autoshift ce qui améliore l'économie de carburant. encore réduit alors que la puissance nette constante demeure à 319 hp. obtienment une puissance nette constante choisir entre deux réglages de puissance vitesse peuvent êtro adaptés de façon à Caterpillar permet aux conducteurs de à des régimes inférieurs. Dans le mode

- Mettant à profit les caractéristiques clés du 980G Série II et en ajoutant quelques-unes qui lui sont propres, le 980H offre une Entretien. Un bon entretien du chargeur sur roues aide à maîtriser les dépenses et à réduire les coûts d'exploitation. facilité d'entretien inégalée.
 - · Regards de niveau bien protégés et très
- Points d'enfretien à hauteur d'homme Accès facile au compartiment moteur
- Raccords de vidange écologiques permettant une vidange simple

et propre des liquides

fechnologie ACERT pour économiser en

montrent qu'avec un moteur Cat doté carburant. Les essais de Caterpillar

- Indicateurs d'usure des freins simplifiant l'inspection
 - Batteries sans entretien
- Intervalles prolongés de vidange d'huile et de changement du filtre à huile
- Grille pivorant vers l'extérieur pour un accès facile et un écoulement d'air plus

implantés dans 11 pays. la plupart des pièces passés à attendre la livraison de pièces - et permet à votre chargeur sur roues d'être plus personnalisés pour votre chargeur sur roues. Grâce aux 23 centres de distribution Disponibilité des pièces. Caterpillar offre peuvent être livrées en 24 heures, L'uccès facile aux pièces réduit les temps d'arrêt une palette sans égale de services

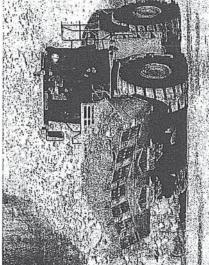
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Valeur de ravente, La qualité de l'équipement est un facteur primordial du maintien de la valeur de revente. Cat fournit un équipement de qualité, mais aussi des produits et un garantit que les réparations sont effectuées correctement avec des pièces Caterpillar service après-vente qui garantissent la fiabilité et la durabilité de votre machine. Le niveau élevé d'expertise du service d'entretien du concessionnaire Cat

Les contrats d'assistance client peuvent vous aider à contrôler le coût de possession de la machine. Les programmes de service après-vente, comme l'analyse S-O-S des liquides. surveillent l'état de la machine pour assurer d'entretien documenté contribuent tous à la un temps produciif et une disponibilité plus uniformes. L'authentique qualité Cat, un état connu de la machine et un historique



Financement. Qu'il s'agisse d'un achat ou d'une location à court ou long terme. Cat Financial dispose d'un plan d'acquisition convenznt à votre activité. L'avantage de travailler avec Cat Financial pour régler le financement de votre machine est que Cat comprend votre activité.



Facilité d'entretien

La facilité d'entretien augmente la productivité.

- Entretien quotidien facilité par les d'entretien à hauteur d'homme regards de niveau et les points
- orifices de prélèvement groupés et aux raccords de vidange écologiques, aux L'entretien est simplifié grâce aux indicateurs d'usure des freins, aux pièces faciles à remplacer
- Systèmes de surveillance et programmes problèmes avant qu'ils ne surviennent d'analyse pouvant détecter des

Il y a des regards de niveau pour l'huile de transmission, l'huile hydraulique et le liquide de refroidissement du radiateur. Tous Entration quotidion. Les regards de niveau et simplifient et facilitent l'entretien quotidien, les points d'entretien à huuteur d'homme sont facilement visibles et éliminent le l'ouverture quotidienne des réservoirs. risque de contamination résultant de

d'entrellen réduit le temps de mise en route journalier, garantit que l'entrellen journalier conducteur puisqu'il n'a plus besoin de grimper sur la machine pour procéder aux L'accès à hauteur d'homme aux points sera effectué et réduit la fatigue du vérifications quotidiennes.

convergent vers deux rangées de graisseurs judicieusement regroupés sur lo côté gauche de la machine. Les joints universels sont Les graisseurs des points de lubrification du trouvent dans la zone avant de l'urticulation Les conduites de graissage à distance châssis avant et du châssis arrière se graissés à vie.

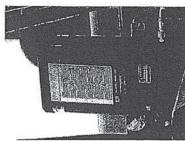
Les batteries ne nécessitent aucun entretien et sont faciles d'accès dans des coffres de batterie coulissant vers l'extérieur sur les deux côtés de la machine.

Indicateurs d'usure des freins. Un orifice sur l'essieu conitent un indicateur visuel pour déterminer l'usure des freins. Un technicien peut facilement mesurer et surveiller l'usure des freins d'un coup

moteur, de l'huile de transmission et de l'huile bydraulique est de série sur le 980H grâce aux raccords de vidange écologiques. Le raccord de vidange écologique de La vidange simple et propre de l'huile Raccords de vidange écologiques. l'essicu est offert en option.



d'entretion verrouillables derrière la cabine. des problèmes avant qu'ils ne surviennent S-O-S. Des orifices de prélèvement pour Le programme S-O-S permet de détecter Prélèvement d'échantillons de liquides la direction, la transmission et les freins huiles du moteur, de la transmission et sont regroupés dans des compartiments d'huile accélèrent le prélèvement des de l'hydraulique à des fins d'analyse S.D.S. Les robinets de prefèvement et de programmer l'entretien selon un échéancier plus pratique.



graissages inadéquats. La lubrification préciso des axes et des bagues aux intervalles Autolubrification. Le système de lubrification indíqués ralentit l'usure des pièces et réduit la contamination du sol due au graissage automatique Caterpillar réduit le temps d'entretien et les immobilisations amenant des réparations imprévues causées par des

16

15

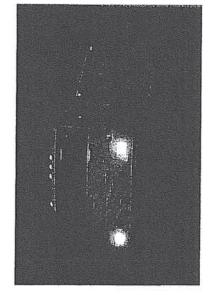


le réservoir d'expansion permet de vérifier rapidement les besoins d'entretien. La grille ondulée et ajourée pivote vers l'extérieur pour faciliter l'accès aux faisceaux de lemps d'arrêt. Un regard de niveau situé sur Refroldissement. Les faisceaux du radiateur ndividuel sans déposer le radiateur entier semiettant le remplacement d'un faisceau ce qui réduit les coûts de réparation et les (NGMR) sont de conception modulaire, modulaire de la prochaine génération refroidissement

avant du radiateur et des faisceaux ATAAC. Le condenseur de climatiseur pleine largeur et les faisceaux du refroidisseur d'huile pivotent également vers l'extérieur sur 45° pour faciliter le nettoyage de la face arrière radiateur facilitent le nettoyage de la face du radiateur. Les panneaux articulés de chaque côté de la structure portante du

Cabino. Le poste de conduite entier peut être quatre fuisceaux de câblage, deux conduites de chauffage, l'arbre d'entraînement de enlevé en 45 minutes environ et il est facile couper. La dépose du climatiseur s'effectue s remettre en place. Il suffit de débrancher distributeur de freins - il n'y a aucun fil à au moyen des raccords à débranchement la direction et de retirer deux vis du rapide, il n'y a done aucune perte de

supplémentaires. Cet ensemble en option donne accès à la totalité du pare-brise avant. Un ensemble de nettoyage de pare-brise en option comprend deux marches pour le bâti avant et deux mains courantes





des problèmes avant qu'ils ne deviennent graves. Trois niveaux d'avertissement -Centrale de surveillance Caterpillar. Conflez la surveillance de votre machine à la centrale de surveillance Caterpillar. La surveillance continue des circuits essentiels garantit que vous serez averti l'avertissement visuel/sonore - sont fournis au conducteur, selon la gravité Mant de l'avertissement visuel à

les outils nécessaires pour entretenir votre chargeur sur place. Les camions-ateliers sont dotés de tous les outils et équipements diagnostiques de pointe et les techniciens y conservent les dossiers de curactéristiques Appui total à la clientèle. Les techniciens d'intervention de Cat ont l'expérience et Coterpillar fournissent de l'assistance techniques et les schémas de chaque machine Cat. Les experts techniques à l'atelier du concessionnaire et chez à chaque technicien d'intervention.

les ateliers des concessionnaires Cat sont Si la réparation sur place ne suffit pas. entièrement équipés pour intervenir rapidement sur votre chargeur.

| | | 100 | |
|--|--|--------|--|
| | | Ins | |
| | | 108 | |
| | | Ingi | |
| | - | Ingil | |
| | ***** | 11811 | |
| | ***** | Inshi | |
| | - | Insu | |
| | 2000 | Ingani | |
| | Antonia | Ingini | |
| | A Partie and A Par | MUBBIL | |
| | MARKET | MUSUI | |

| Modèle de moteur | C15 ACERTIM de Cat | M de Cate |
|-----------------------------------|--------------------|------------|
| Puissance brute selon SAE J1995 | 293 kW | 393 hp |
| Puissance nette selon ISO 9249 | 260 kW | 349 hp |
| Puissance nette selon SAE J1349 | 260 kW | 349 hp |
| Puissance nette selon 80/1269/CEE | 263 kW | 353 hp |
| Couple maxi (net) à 1200 tr/min | 1619 N·m | 1244 pi-lb |
| Alésage | 137 mm | 5,4 po |
| Course | 171,5 mm | 6,75 po |
| Cylindree | 15,21 | 928 po³ |

- Moteur Caterpiller avec technologie ACERT Conforme aux normes Tier 3 do l'EPA/niveau III de l'Union européenne
 - · Ces puissances sont établies à 1800 tr/min dans les conditions spécifiées par la norme indiquée.
- disponible quand le moteur est équipé d'un alternateur, d'un filtre à sir, d'un silencieux et d'un entraînement hydraviique de ventilateur à vitesse variable fonctionnant à vitesse Le niveau de puissance nette annoncé est la puissance maximale.

Poids

30 519 kg 67 294 lb . Pour godet normal de 5,7 m² (7,5 v²) à lame de coupe Poids en ordre de marche

Godets

| pacité des godets | 3,8-6,1 m³ | 5,0-8,0 v ³ |
|-------------------------|------------|------------------------|
| spacité maxi des podets | 6.1 m² | 8/2 |

Caractéristiques de fonctionnement

| harge d'équilibre statique, raquage maxi | 19 496 kg | 42 989 lb |
|---|-----------|-----------|
| orce d'arrachage | 199 kN | 44 775 lb |

Pour godet normal de 5,7 m² (7,5 v²) à lame de coupe

| Marche avent 1 6,6 km/h 4,1 ml/h | 6,6 km/h | | 20,7 | Marche avant 2 Marche avant 3 Marche avant 4 |
|-------------------------------------|-------------------------------------|----------------|------|--|
| 11,8 km/h 20,7 km/h 36,3 km/h | 11,8 km/h 20,7 km/h 36,3 km/h | 6 km/h 47 mith | 761 | Marche arrière 1 |
| | 11,8 km/h 20,7 km/h | km/h 22,6 mi/h | 36,3 | Marche avant 4 |
| 11,8 km/h | 11,8 km/h | Ū | 20,7 | Marche avant 3 |
| | | | 11,8 | Marche avant 2 |

Vitesses de translation maximum (avec pneus 29.5-25).

14,7 mi/h 25,8 mi/h 8,4 mi/h

Marche arrière 3 Marche arrière 4 Marche arrière 2

41,5 km/h 23,6 km/h

7,6 km/h 13,5 km/h

Circuit hydraulique

| Circuít de godet/d'outil de travail – 464 l/min Débit de la pompe | 464 l/min | 123 gal/min |
|--|---------------|----------------|
| Circuit de godet/d'outil de travail – 20 700 kPa Tarage du clapet de décharge | 20 700 kPa | 3000 psi |
| Temps de cycle hydraulique ~ Relevage | e secondes | |
| Temps de cycle hydraulique - Vidage | 2,1 secondes | |
| | 3,4 secondes | |
| Temps de cycle hydraulique – Durée totale | 11,5 secondes | 22 |
| Circuit pilote - Débit de la pompe 464 l/min | 464 l/min | 122,58 gal/min |

Débit de la pompe à engrenages du circuit d'équipement (standard) à 2100 tr/min et 6900 kPa (1000 psi).

Freins

| s aux normes | 16.00 |
|--------------|-----------|
| Conformes | suivantes |
| | suivante |
| Freins | |

DSHA, SAE J1473 OCT90 et ISO 3450-1996.

Essieux

| Avant | Fixe | -110411 18 7-46 |
|--|--------------|-----------------|
| Arrière | Oscillant de | t de ±13° |
| Dénivellation maximum pour une seule roue | 550 mm | 21,7 po |

111

18

17

l'utilisation de la machine. Vaste choix, selon 29.5R25, L3 (STL2+) 29.5R25, L3 (VSDL) 29.5R25, L3 (STL3) 29.5R25, L3 (VMT) 29.5R25, L2 29.5R25, L3 · Au choix:

29.5R25, L5 29.5-25, L3 29.5-25, L4

transport), la capacité productive du chargeur risque de dépasser la capacité des pneus (donnée par l'indice t-km/h consulter le fournisseur et d'évaluer tous les facteurs avant NOTA: Dans certaines applications (telles chargementou t-mi/h). Caterpillar vous conseille par conséquent de de choisir les pneus. 29.5-25, L5

Cabine

Conforme aux normes SAE et ISO. ROPS/FOPS

- Cabine et cadre de protection en cas de retournement (ROPS) Caterpillar sont de série en Amérique du Nord
- Cadre ROPS conforme aux normes SAE J1040 APR88 et ISO 3471:1994.
- conforme aux normes SAE J231 JAN81 et ISO 3449:1992 Cadre de protection contre la chute d'objets (FOPS) niveau II.
- portes closes suivant les méthodes spécifiées par la norme ISO 6394:1998 est de 76 d8(A) dans la cabine proposée par Caterpillar, correctement montée et entretenue. · Le niveau de pression acoustique mesuré avec vitres et
 - les portes/vitres sont ouvertes, ou dans un milleu bruyant. pour les longues périodes de travail dans un poste ouvert Le port de protections auditives peut s'avérer nécessaire ou dans une cabine qui n'est pas en parfait état ou dont
 - méthodes et conditions d'essai statique spécifiées per la norme ISO 6395:1998, est de 112 dB(A) pour une machine Le niveau de pression acoustique, mesuré suivant les

Caractéristiques de fonctionnement

17 gal

479

Réservoir de carburant -- Standard

Circuit de refroir

Contenances

831

16 gal

871 2

Différentiels et réducteurs - Avant

23 gal 55 gal 56 gal 33 gal

Différentiels et réducteurs - Arrière 871 Circuit hydraulique (avec réservoir) 250 Réservoir hydraulique 125

| | | | A | Machine | Machine standard evec godets normaux | dets normaux | | |
|----------------------------------|---------|--------|----------------------|---------------------|--|--------------|-------------------|-------------------|
| | 170 | Dents | Dents et segments | Lames à boulomer | Dents soudées à fleur avec pointes | Dents | Dants of segments | Lanes à boufonner |
| Capacité nominale des godets (§) | - | 4.2 | 4.5 | 4.6 | 5,4 | 4,7 | 4.9 | 5,0 |
| | - | 2,5 | 5,75 | 0.0 | 7.0 | 0.9 | 6,25 | 6.5 |
| Capacité à ras (§) | H. | 3,66 | 3.81 | 3,87 | 4.61 | 4.03 | 4.19 | 4,25 |
| | 7 | 4.78 | 4,98 | 5.06 | 6.03 | 5,27 | 5,48 | 5.56 |
| argeur (§) | mm : | 3533 | 3533 | 3447 | 3513 | 3533 | 3533 | 3447 |
| | od/id | 117" | 11.7" | 11.4" | 11.6" | 11.7 | 117" | 11'4" |
| Hauteur de déversement au | mm: | 3305 | 3305 | 3458 | 3138 | 3229 | 3229 | 3385 |
| levage maxi et vidage à 45° (§) | odyid (| 10.10. | 10,10. | 11.4" | 10,4" | 107" | 10.7" | 11.11 |
| Portée au levage maxi et | mm | 1554 | 1554 | 1407 | 1739 | 1091 | 1091 | 1457 |
| vidage a 45° (§) | od/id | 5.1" | 5.1. | 47" | 5:8" | 5'3" | 5.3* | 4.6. |
| Portée avec bras de levage et | mm | 3000 | 3000 | 2790 | 3260 | 3090 | 3090 | 2880 |
| godet à l'horizontale (§) | pi/po | .01.6 | .01.6 | 9.2. | 10.8 | 102" | 10.2" | 9.5" |
| Profondeur de creusage (§) | HIII | 06 | 125 | 125 | 16 | 06 | 125 | 125 |
| | 90 | 3,5 | 4.9 | 4,9 | 3,6 | 3.5 | 4.9 | 4.9 |
| Longueur hors tout (§) | mm | 9480 | 9480 | 9248 | 9700 | 9570 | 9570 | 0338 |
| | pi/po | 31.1" | 31.1" | 30'4" | 31.10 | 31.5 | 31.5" | 30.8" |
| Hauteur hors tout, goder au | mm | 6141 | 6141 | 6141 | 6216 | 6217 | 6217 | 6217 |
| levage maxi (§) | od/id | 20.5- | 20.5 | 20.2" | 20.2. | 20.5" | 20'5" | 20.5" |
| Diamètre de braquage, goder | шш | 15 925 | 15 925 | 15 716 | 16 006 | 15 972 | 15 972 | 15 762 |
| en position de transport (§) | pi/po | 52.3" | 52.3" | 51.7" | .9.79 | 52.5" | \$2.5" | -6.15 |
| Charge d'équilibre statique, | ž, | 22 767 | 22 310 | 22 341 | 22 174 | 22 417 | 22 063 | 22 093 |
| bati en ligne* | | 50 201 | 49 194 | 49 262 | 48 894 | 49 429 | 48 649 | 48 715 |
| charge d'équilibre statique, | - | 20 380 | 20 034 | 20 069 | 19 742 | 20 439 | 19 801 | 19 836 |
| brequage maxi a 57° | _ | 44 938 | 44 175 | 44 252 | 43 531 | 45 068 | 43 661 | 43 738 |
| Force d'arrachage** (§) | - | 273 | 251 | 252 | 227 | 252 | 233 | 234 |
| | 9 | 61 425 | 56 475 | 26 700 | 51 075 | 56 700 | 52 425 | 52 650 |
| Poids en ordre de marche* (§) | _ | 30 156 | 30 334 | 30 261 | 30 351 | 30 253 | 30 432 | 30 359 |
| | - | 66 494 | 988 99 | 922 99 | 66 924 | 86 708 | 67 103 | 66043 |

- Charge limite d'équilibre statique et poids en order de marche calculés aur la base of une machine standard duipée de preus 29.5-725 IL-3) de Michalin, avec piele de cachurant, illude de refroidissement, lubrifiants et conducteur.

 Meaurée à 102 mm (4,0 po) derribre la pointe de la bronnée de 102 mm (4,0 po) derribre la pointe de la bronnée de 102 mm (4,0 po) derribre du golds tervant de point d'articulation conformément à la notrre SAE J732C.

 (\$) Caractéristiques et masures conformes à toutes les normes applicables et recommendées par la Sociéty of Automotive Engineers, y compris les normes SAE J732C, SAL present de partier les conformes à prisones et la cocretain de la norme s'et la conforme de Engineers, y compris les normes SAE J732C sur les caractéristiques ales des chargeurs.
- 3250 Guide de sélection des godets 2753 2500 2250 2000 1800 20 6,12 40 7.0 5.4 7.5 57 9,0 8,5 20



Chargeur sur roues 980H Caractéristiques techniques

20

Chargeur sur roues 980H Caractéristiques techniques

Caractéristiques de fonctionnement

| | | No | Normal, extra-robuste | busto | Manu | Manutention de matériaux | stériaux | | Godet å roche | 9 |
|----------------------------------|---------|--------|-----------------------|----------------------|--------|--------------------------|----------------------|--------|----------------------|----------------------|
| | | Dents | Donts et segments | Lames à boulanner | Dents | Dents et sagments | Lames à boulonner | Dents | Dents et segments | Dents et segments |
| Capacité nominale des godets (§) | É | 5.4 | 5,6 | 5,7 | 5.5 | 5,7 | 5.9 | 4.2 | 4.5 | 4.5 |
| | 3 | 7,0 | 7,25 | 7.5 | 7.25 | 7.5 | 7,75 | 5.49 | 5,89 | 5.89 |
| Capacité à ras (§) | m, | 4,68 | 4.85 | 4,92 | 4.7 | 8,4 | 5,0 | 3.53 | 3,73 | 3.73 |
| | M | 6.12 | 6,34 | 6.44 | 6,15 | 6.28 | 6,54 | 4.61 | 4.88 | 4,88 |
| Largeur (§) | шш | 3533 | 3533 | 3447 | 3533 | 3533 | 3447 | 3504 | 3504 | 3504 |
| | pi/po | 11.7- | 11.7 | 11'4" | 11.7" | 11.7* | 11'4" | 11'6" | 11.6" | 11.6" |
| | mm | 3142 | 3142 | 3296 | 2943 | 2943 | 3110 | 3183 | 3183 | 3184 |
| 45°(§) | pi/po | 10.4" | 10.4. | 10.10" | 8.6 | .8.6 | 10.2" | 10.2. | 10.2. | 10.2 |
| naxi et | mm | 1693 | 1693 | 1547 | 1610 | 1610 | 1478 | 1792 | 1792 | 1792 |
| | pi/po | 5.7" | 5.7" | 2.1. | 5,3, | 5,3" | 4.10. | 5'11" | 5.11" | 5.11. |
| 50 | шш | 3220 | 3220 | 3009 | 3320 | 3320 | 3109 | 3258 | 3258 | 3258 |
| | od/id | 107" | 10.7 | 9.10 | 10.11" | 10.11, | 10.2. | 10.8" | 10.8 | 10.8 |
| Profondeur de creusage (§) | шш | 78 | 118 | 118 | 111 | 161 | 151 | 90 | 125 | 125 |
| | od | 3,1 | 4.6 | 4,6 | 4,4 | 7,5 | 5.9 | 3,5 | 4,9 | 4.9 |
| Longueur hors tout (§) | mm m | 1696 | 1696 | 9461 | 9816 | 9816 | 9586 | 9725 | 9725 | 9725 |
| | od/id | 31'10" | 31.10. | 31.0 | 32'2" | 32.2" | 31'5" | 31'11" | 31'11" | 31'11" |
| , godel au | шш | 6287 | 6287 | 6287 | 6382 | 6382 | 6382 | 6383 | 6383 | 6383 |
| | odrid | 20,8,, | 20.8 | 20.8" | 20'11" | 20.11" | 20'11" | 20'11" | 20'11" | 20'11" |
| Tien. | шш | 16 033 | 16 033 | 15 823 | 16 111 | 16 111 | 15 901 | 16 023 | 16 023 | 16 023 |
| | pi/po | 52.7" | 527" | 51'11" | 52'10" | 52'10" | 522" | 52,7" | 52.7" | 52.7" |
| Charge d'équilibre statique, | 20 | 21 299 | 20 951 | 21 098 | 20 960 | 20 612 | 20 648 | 21 939 | 21 345 | 21 602 |
| bâu en ligne* | 9 | 46 964 | 46 197 | 46 521 | 46 217 | 45 449 | 45 529 | 48 375 | 47 066 | 47 632 |
| Charge d'équilibre statique, | Kg | 19 031 | 18 700 | 18 852 | 18 733 | 18 416 | 18 458 | 19 669 | 19 094 | 19 332 |
| braquage maxi à 37° | P | 41 963 | 41 234 | 41 569 | 41 306 | 40 607 | 40 700 | 43 370 | 42 102 | 42 627 |
| Force d'arrachage** (§) | Z. | 225 | 209 | 210 | 207 | 182 | 194 | 223 | 205 | 205 |
| | ۹ | 50 625 | 47 025 | 47 250 | 46 575 | 40 950 | 43 650 | 50 175 | 46 125 | 46 125 |
| Poids en ordre de marche* (§) | kg. | 31 154 | 31 330 | 31 148 | 30 868 | 31 044 | 30 953 | 30 494 | 30 776 | 30 745 |
| | 11 | 68 695 | 590 09 | 189 89 | 68 DAA | 68 457 | 130 09 | 000 69 | 60000 | 10000 |

3083

10.10"

3292

314"

32'1" 125

> 9778 212"

3.9

125

125

3.5

4.9

125

2960

3170

10.5

9418

9650 6287 20'8" 52.7"

Longueur hors tout (§)

pi/po pi/po

H

Hanteur hors tout, godet au

levage mexi (§)

3.5

11'4" 3238

3533 4.85

3447

4.61

4.38 5.73 3533 117"

5,0

Capacité nominale des godets (§) m'

Capacité à ras (§)

Largeur (§

Dents

Lames à baufenner

Dents et segments

Machine standard avec godets normaux

10.1.

3075 10°1"

10.3"

3124 1675 3220

10.11

3165 5.5" 3170

levage maxi et vidage à 45° (§) pilpo

Portée au levage maxi et vidage à 45° (§)

Hauteur de déversement au

HIII mm mm mm H

1675 3220

5.5" 3165

> pi/po pi/po 8.

> > Portée avec bras de levage et godet à l'horizontale (§)

Profondeur de creusage (§)

31 370

31 287

47 925

211

227 51 075

220 49 500 30 448 67 138

> 49 275 30 522 67 301

53 100

장의중의왕의

Force d'arrachage** (§)

braquage maxi à 37°

30 343

Poids en ordre de marche* (§)

50 651

22 939 50 581 16 087

> 21 711 19 467 42 925

22 052 48 625 19 952 43 994

52'8"

15 803

16 015 21 848 48 175 19 598

16015

mm

Diamètre de braquage, godet en

position de transport (§)

20 860 45 996 23 328 51 438

> 19 496 42 989 47 700

19 634 48 245

43 952

20 A

Charge d'équilibre statique, Charge d'équilibre statique,

bâti en ligne*

52.1"

16 087

15 829 20'10" 6360

> 20'10" 16 041

6360

6360 16 041

50.8"

20.8

6287

Charge limite of equilibre statique et poide un ordra de maretre esteules au 11 basse en ordra de maretre esteules au 11 basse en ordra de maretre esteules au 11 basse en ordra de maretra de preus 22.5. FAZS (L.3) de Michelin, avec plein de carburant, iquide de refroidissement, l'obifilants et conduction.

• Mauures à 102 mm (4, po pol derrière la pointe de la lanne de coupe, le chamière de godes sevent de point de pointe de pointe de pointe de la lanne de coupe, le chamière de godes sevent de point es spollcables et recommanders par le Society of Automotive Enflorers, y compris les normes SAE, J732C, sur les consenties par le Society of Automotive Enflorers, y compris les normes SAE, J732C sur les conectéristiques normandées par le Society of Automotive Enflorers, y compris les normes SAE, J732C sur les conectéristiques normandies des chargeurs.

21

Haute portée Variation des cerectéristiques 1 1 1

Lames à boulonner

Dents of

Lames à boulenner

4,5 3.7

E 3

Capacité nominale des godets (§)

Capacité à ras (§

argeur (§)

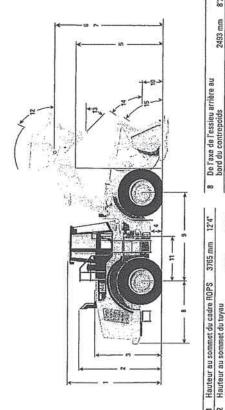
Charbon

Déchets

Extra-robuste pour carrière

Godet à roche - Lame en V tronqué

Toutes les dimensions sont approximatives.



| 2 Hauteur au sommet du tuyau 3716 mm 12.7 9 d'échappement 2716 mm 8'11* 10 3 Hauteur au sommet du caport 2716 mm 8'11* 10 4 Garde au sol avec pneus 442 mm 1'5" 11 5 Usir le tableau des choix de pneus 3764 mm 1'5" 12 5 Dégagement des bras de levage 3764 mm 12'4" 14 6 Hauteur à la charnière du godet 4905 mm 14'9" 14 7 Hauteur de levage en option 4726 mm 15" 15 | - | nauteur au sommet au caare hurs 3/63 mm | 3/62 mm | 5.71 | 20 |
|--|-----|--|---------|-----------|-----|
| 442 mm 1'57 19 442 mm 1'57 19 3764 mm 12'4* 10 4726 mm 15'6* | 2 | Hauteur au sommet du tuyau d'échappement | 3716 mm | 2.1.2.2.2 | a) |
| 442 mm 1'5' vage 3764 mm 12'4" odet 4505 mm 15'6' | m | Hauteur au sommet du capot | 2716 mm | 8,11. | 10 |
| vage 3764 mm 12'4" odot 4505 mm 14'9' 1 4726 mm 15'6' | 4 | Garde au sol avec pneus 29,5R25 L-3 de Michelin (voir le tableau des choix de pneus) | 442 mm | 1.2 | = 2 |
| odet 4505 mm 14'9' | ro. | Dégagement des bras de levage au levage maxi | 3764 mm | 12'4" | 2 : |
| 1 4726 mm 15'6" | 49 | | 4505 mm | 14.8. | 2 |
| | 7 | Hauteur de levage en option | 4726 mm | 15'6" | \$2 |

(1774) (3912) (1620) (3572)

20 805 45 875 18 516 40 828

22 015 48 543 19 728 43 500

163

160 36 000 31 599 69 676

Poids en ordre de marche* (§)

Force d'arrachage 40 (§)

braquage maxi à 37°

168

5.7 9837 323° 6526 6526 16 180 531° 20 574 45 366 18 398 40 568

6994 22'11" 16 458 54'0"

16 034 20 658 18 413 40 601

15 678 21 349 47 075 19 094 42 102

15 886 20'11"

Diamètre de braquage, godet en position de transport (§)

Hauteur hors tout, godet Longueur hors tout (§)

uu levage maxi (§)

Charge d'équilibre statique, Charge d'équilibre statique,

bâti en ligne*

20'11"

6377

(2) (0.08) 199 8" 8" 9"

151 5,9 9879 32'5"

3097 10'2" 385 15,2 9035 29'8"

125

et godet à l'horizontale (§)

Portée avec brus de levage Profondeur de creusage (§)

53° 2997 910°

4,6 9755 32°0° 6383 20°11°

31.0" 6377

0,1"

7,2 9,42 3607 11'10" 2933 977 1662 5'5" 3364

9,4 12,29 3886 12'9" 2903 9'6" 1686 5'6" 11'2"

4,5 5.89 3,79 4,96 3500 11'6" 3167 10'5" 6'0" 3291 10'10"

4,8 6,28 4,0 3,23 3,670 3,719 120" 1994 67"

3516 3351

mm od/id

Hauteur de déversement au mm Jevage maxi et vidage à 45° (§) pilpo

Portée au levage maxi et

vidage à 45° (§)

| 9 | Empattement | 3700 mm | 12.2 |
|----|---|---------|-------|
| 10 | Hauteur à l'axe d'essieu | 867 mm | 2'10' |
| = | De l'axe de l'essieu arrière à l'attelege | 1850 mm | 6.1. |
| 12 | Angle de redressement au levage maxi | .19 | |
| 13 | Angle de vidage au levage maxi | 470 | |
| 7 | Angle de redressement en position de transport | 48° | |
| 12 | Angle de redressement au niveau du sol 41° | of 41° | |

111

2493 mm 8'2" 3700 mm 12'2" 867 mm 2'10"

| Les pneus 29.5-25 procurent une voie de 2440 mm (8'0') | oie de 24 | 40 mm (8.0.) | | | Modific | Modification des | Modif | Modification du | Modifi | Modification de la |
|--|-----------|-------------------|-------|--------------|---------|------------------|-------|-----------------|--------|-------------------------------|
| Pneus | Largeur | ergeur hors pages | Garde | Garde au sol | verti | verticales | aprod | de marche | charge | cnargo o equintre statique |
| | mm | pances | ww | ponces | EE | pouces | kg | 20 | kg | ā |
| 19.5R25, (L-2/L-3), Goodyear | 3269 | 128,7 | 463 | 18,2 | 21 | 8'0 | -91 | -200,7 | 129 | 284,4 |
| 9.5R25, (L-3), Michelin | 3227 | 127,0 | 442 | 17,4 | 0 | 00 | 0 | 0 | 0 | 0 |
| 29.5R25, (L-3 STL2+), Continental | 3264 | 128,5 | 452 | 17,8 | 10 | 0,4 | H | 156,6 | 509 | 1122,3 |
| 29.5R25, (L-3 STL3), Continental | 3264 | 128,5 | 450 | 1,71 | 8 | 6,3 | -16 | -35,3 | 441 | 972,4 |
| 29.5R25, (L-3 VMT), Bridgestone | 3211 | 126,4 | 469 | 18,5 | 12 | 1,1 | 83 | 205,1 | -43 | 94,8 |
| 29.5R25, (L-3 VSDL), Bridgestone | 3202 | 126,1 | 479 | 18,9 | 37 | 1,5 | 1311 | 2890,8 | 1245 | 2745,2 |
| 29.5R25, (L-5), Michelin | 3212 | 126,5 | 458 | 18,0 | 16 | 00 | 836 | 1843,4 | 587 | 1284,3 |
| 29.5R25, (L-5), Michelin | 3231 | 127,2 | 467 | 18,4 | 25 | 1,0 | 1318 | 2906,2 | 1058 | 2332,9 |
| 29.5-25, (L-3), Goodyear | 3253 | 128,1 | 444 | 17,5 | 2 | 000 | -297 | -654,9 | -208 | 454,2 |
| 9.5-25, (L-4), Firestone | 3194 | 125,7 | 481 | 18,9 | 33 | 1,5 | 75 | 165,4 | -480 | -1014,3 |
| 29.5-25, (L-4), Goodyear | 3284 | 129,3 | 483 | 19,0 | 41 | 1,6 | 330 | 7,727 | 411 | 906,3 |
| 29.5-25, (L-5), Firestone | 3197 | 125,9 | 488 | 19,2 | 46 | 1,8 | 613 | 1351,7 | 828 | 1894,1 |
| 29.5-25, (L-5), Goodyear | 3266 | 128,6 | 488 | 19,2 | 46 | 1.8 | 942 | 2077.1 | 943 | 2079.3 |

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Chargeur sur roues 980H Caractéristiques techniques

Equipement de série

L'équipement de série peut varier. Pour tout renseignement complémentaire, veuillez vous adresser au concessionnaire Caterpillar,

Battenes sans entretien (4), capacité de démarrage à froid de 1000 CCA Démarreur électrique de grande capacité Circuit de démarrage et de charge (24 V) Alternateur (80 A. sans balais) Lampes à halogène (total de 6) Coupe-batterie principal Equipement electrique

Verrouillage des fonctions de godet et d'outil de travail Cabine, pressurisée et insonorisée Prise de démarrage de secours Circuit climatiseur/HVAC Poste de conduite

comprenunt antenne, haut-parleurs, dévolteur (12 V. 10 A) Cadre ROPS/FOPS, pré-équipement radio (d'ambiance) et prise d'alimentation

Volant avec commandes de transmission intégrées Commandes électrohydrauliques de godet et d'outil de travail Avertisseur electrique (monté sur le volant) Crochets porte-manteau (2) avec coumies Centrale de surveillance informatisée Allume-cigares et cendrier Chaufferette et dégivreur

Température du liquide de refroidissement moteur Indicateur de rapport numérique Instruments, indicateurs: Niveau de carburant

Température de l'huile de transmission Température de l'huile hydraulique Indicateur de vitesse/compte-tours Instruments, voyants de mise en garde:

Colmatage de filtre à air moteur Température de l'huile d'essicu Niveau et pression de carburant Sortie d'alternateur, electrique Pression d'huile moteur

Dérivation de filtre hydraulique

Pression d'huile du circuit de direction principal Pression d'huile du frein de manoeuvre Dérivation du filtre de transmission Niveau d'huile hydraulique Frein de stationnement

Siège Comfort Cat (revêtement tissu) à suspension pacumatique Ceinure de sécurité à enrouleur de 51 mm (2 po) de largeur Colonne de direction réglable, inclinable et réfescopique Balais d'essuie-glace à lave-glace intégré (avant et arrière) Supports pour panier-repas et porte-gobelet Vitres coulissantes (gauche et droite) Rétroviseurs (montés à l'extérieur) Essuie-glace avant intermittent

Groupe motopropulseur Freins à disques humides, entièrement hydrauliques, sous carter

étanche avec Système de freinage intégré (IBS) et indicateur Moteur CI5 de Cat avec technologie ACERT et ATAAC

Ventilateur de mdiateur à vitesse vuriable et commande hydraulique (détection de la température) Filtre de carburant, filtre moteur et filtre à air avec éléments primaire et secondaire Pompe d'amorçage du carburant (électrique)

Aide au démarrage (à l'éther) Verrouillage du contacteur de neutralisation de la transmission Radiateur modulaire de la prochaine génération (NGMR) Silencieux insonorisé Préfiltre d'admission d'air du moleur Séparateur cau/carburant

Transmission power shift automatique à planétaires Convertisseur de couple (stator à roue libre)

(4 rapports avant et 4 rapports arrière) Commande d'autoshift varieble (VSC)

Positionneur automatique de godet réglable en cabine Contrepoids

Garde-houe avant en acier avec bavettes/arrière avec rallonges Portes de visite (verrouillables)
Raccords de vidange écologiques pour l'huile moteur, l'huile de transmission et l'huile hydraulique Raccords et joints toriques axiaux Caterpillar

Blindage de chaîne cinématique et de carter Capot non métallique à inclinaison assistée Flexibles XT CatTM Barre d'attelage avec broche

Timonerie en Z avec tube transversal/flevier d'inclinaison moulé Refroidisseur d'huile hydraulique (pivotant vers l'extérieur) Limiteur automatique de levage et d'inclinaison (réglable en cabine)

Robinets de prefèvement d'huite Pré-équipement Product Link Prises de pression à distance Regards de niveau:

Liquide de refrojdissement moteur Niveau d'huile de transmission

Niveau d'huile hydraulique

Choisir les pneus dans la liste des équipements obligatoires, Le prix de base de la machine comprend les pneus. Direction à détection de charge neumatiques, jantes et roues

Liquide de refroidissement longue durée prémélangé à 50 %. protégeant jusqu'à -34 °C (-29 °P).

Options

L'équipement offert en option peut varier. Pour tout renseignement complémentaire, veuillez vous adresser au concessionnaire Caterpillar.

Système autodig pour agrégats Alternateur 95 A

Raccord de vidange écologique pour essieu Prééquipement de refroidisseur d'huile d'essieu

Outils d'attaque du sol pour godets - Demander les détails à un Refroidisseur d'huile d'essieu Godets et ourils de travail

concessionnaire Cat

Caméra de rétrovision (produit de fabrication spéciale)

Prééquipement radio CB (20 A) Ensemble de refroidissement pour températures ambiantes élevées, Différentiels à glissement limité (avant ou arrière), NO-SPIN (essieu arrière seulement) 50°C (122°F)

Dispositif de remplissage rapide, carburant Garde-boue pour déplacements routiers Ventilateur, inversion automatique Garde-boue étroits

Réchauffeur de liquide de refroidissement moteur Version haute portée, deux et trois distributeurs Version hydraulique à trois distributeurs Protection de vitre avant, foresterie Protection de vitre avant, déchets Protection de vitre avant

Commande par manipulateur

Feux de sens de marche

Feux à décharge à haute intensité (HID) Rétroviscurs exténeurs chauffants Système de sécurité machine

Rétroviseurs intérieurs

Imprimante du système de pesée de la charge utile Plate-forme pour le nettoyage des vitres Système de pesée de la charge utile

Ceinture de sécurité à enrouleur de 76 mm (3 po) de largeur Radio AM/FM, bunde météo (lecteur de disques compacts) Circuit antitangage à deux ou trois distributeurs Vitrage de cabine monté sur caoutchoue Préfiltre à turbine (saletés) Prefiltre à turbine Siège chauffant

Chargeur de 8 v pour agrégats Chargeur pour aire de stockage d'agrégats Machine forestière Transmission pour service extrême crsions spéciales

Direction suxiliaire

Visière avant

Version pour aciérie

Chargeur sur roues 980H Caractéristiques techniques

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Chargeur sur roues 980H Caractéristiques techniques

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Pour en sevoir plus sur les produkt Cat, les prozadons des concessionnaires et les solutions proposées, consultes nours site internet à l'adresse www.ext.ext.oem.

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CAT, CATEPILLAR, SAFETY CAT.COM, usuri opos respecific, le "hano Caterplar" e Tabellinge comenter le POMES EDIS., aloi quen Tidentin viveale de l'enseprice et des produit qui figurer dans le présent document, aux des marques dépondes de Caterplar et ne pouvait les utilités seus aucrésaion.

A5H05531-04 (4-08) (Traduction 8-08) Remplace AEHQ5531-03

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Chargeur sur roues 980H Caractéristiques techniques

Chargeur sur roues 980H

745CArticulated Truck





| Engine | | | Weights | | |
|--|------------|--------|-----------------|-------------------|-----------|
| Engine Model – U.S. EPA Tier 2/EU Stage II | Cat® C18 A | ACERT™ | Rated Payload | 41 tonnes | 45.2 tons |
| Emission Level Equivalent | | | Body Capacities | | |
| Gross Power – SAE J1995 | 381 kW | 511 hp | Heaped SAE 2:1 | 25 m ³ | 32.7 yd³ |
| Net Power – ISO 14396 | 376 kW | 504 hn | | | |

745C Articulated Truck Key Features

- Cat C18 ACERT engine meets Tier 2/Stage II equivalent engine emission standards
- Cat engine compression brake
- Automatic Retarder Control (ARC)
- Advanced Productivity Electronic Control Strategy (APECS)
- Enhanced Automatic Traction Control (ATC)
- Color Multi-Purpose Display (CMPD)
- New design dump body with increased capacity
- Hill Assist
- Waiting Brake
- Site Speed Limiting
- Integrated Technologies Cat Production Measurement, Product Link™/VisionLink®
- High Density Power Shift (HDPS) transmission with matched OTG
- All axle wet brakes
- Wide tire option

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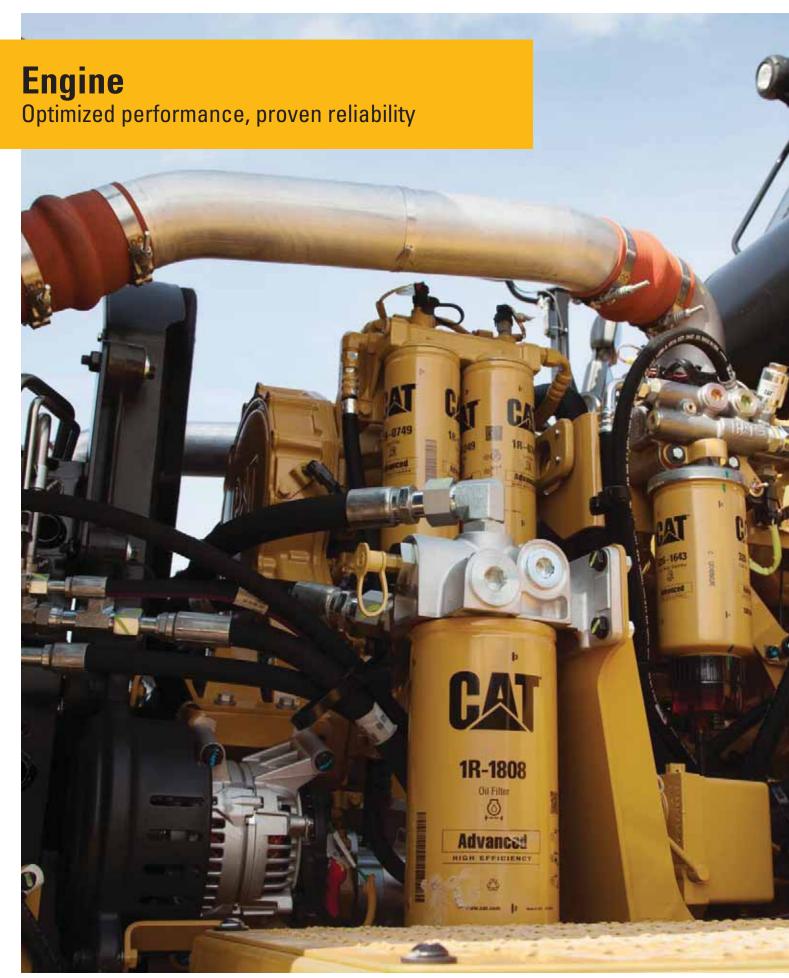
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The Cat 745C with a 25 $\rm m^3$ (32.7 $\rm yd^3$) 41 tonnes (45.2 tons) increased capacity offers proven reliability, durability, high productivity, superior operator comfort and lower operating costs.

With a focus on high productivity, the 745C has many updated and improved features, an all new power train and new ease of operation features including Automatic Retarder Control.





Every Tier 2/Stage II Cat equivalent emissions standard engine with ACERT Technology is equipped with a combination of proven electronic, fuel, air and aftertreatment components. The right technologies fine-tuned for the right applications result in:

- High machine performance across a variety of applications.
- Enhanced reliability through commonality and simplicity of design.
- Maximized uptime and reduced cost with world-class support from the Cat dealer network.
- Minimized impact of Emission Systems: designed to be transparent to the operator without requiring interaction.
- Durable designs with long life to overhaul.
- Delivering better fuel economy with minimized maintenance costs while providing the same great power and response.

Advanced MEUI™-C Injector

Advanced MEUI-C injector platforms deliver increased injection pressures and more precise fuel rates.

These durable injectors enhance responsiveness while controlling soot.

Innovative Air Management

Cat engines feature innovative air-management systems that optimize airflow and enhance power, efficiency and reliability.

Engine Compression Brake

The engine compression brake improves retarding response and increases retarding power for controlled descent of grades.



The new Cat High Density Power Shift (HDPS) nine-speed forward two-speed reverse transmission, designed specifically for Articulated Trucks, features Advanced Productivity Electronic Control Strategy (APECS) and Electronic Clutch Pressure Control (ECPC), which deliver smooth gear changes, improved acceleration and higher productivity.

Rimpull has been increased in both forward and reverse.

Speed hold/limiting function allows the machine speed to be limited in 1 kph or 1 mph steps to conform to site speed restrictions.

Gearshifts have been significantly improved to maintain direct drive lock-up, and eliminate dropping into converter drive. Reducing the use of torque converter drive helps maintain ground speed and gradeability.

Variable shift points used based on the operating conditions, which also aid in maintaining ground speed during gear changes on grades.

Torque Converter

Larger diameter torque converter, configured for off highway applications, allows the higher engine power to be transmitted more efficiently to the lower power train.



Automatic Traction Control (ATC)

The ATC system successfully introduced on the B Series has been further enhanced for even better performance. Application of the inter and cross-axle differential locks is 'on-the-go' and fully automatic. The operator does not have to think about when and where to engage either diff lock. Sensors monitor the machine and wheel speeds, enabling instant response in low traction conditions. Operation is seamless and smooth, eliminating wheel slip for maximum traction and therefore productivity.

Clutches are automatically disengaged when ground conditions allow, maximizing efficiency when steering or on uneven ground.

ATC reduces tire and driveline abuse, eliminating lost efficiency caused by improper manual operation of the differential clutches, and reducing the cost of premature tire replacement.

Automatic Retarder Control (ARC)

In automatic mode, use of the retarder is much easier for the operator. As with ATC a number of machine operating aspects are monitored, and if required the engine compression brake is engaged automatically. The system can help towards eliminating engine overspeed, improving safe machine operation and reducing cycle times, yet still with the flexibility of manual control if needed.



Front Suspension

The three-point front suspension oscillates $\pm 6^{\circ}$ to provide a smooth ride, allowing the operator to travel at speed over rough terrain and softening impact loads on structures and components. Large bore, low-pressure cylinders are purposely designed for tough applications and offer a soft, smooth ride.

A-Frame Construction

The front suspension uses an oscillating A-frame with a lateral tie rod to control axle sideways movement and stability.

Rear Suspension

Features a walking beam with Caterpillar designed rear suspension mounts, which have long life and provide a reliable, and stable ride for excellent load retention.

Mounting Points

Suspension mounting points are integrated into the axle housing, increasing reliability.

All Axle Enclosed Wet Brakes

Provide smoother retarding and braking, with improved holding in slippery conditions and on grades.

Hill Assist

Eliminates potential 'roll-back' on grades. If an operator stops the machine on a grade, when taking his foot off the service brake pedal the machine will automatically hold the service brakes on for a number of seconds to prevent the machine from rolling backwards.



Ride Comfort

The three-point front suspension with its oscillating axle and low-pressure ride struts, combined with the center-mounted cab, offers unrivaled levels of ride comfort for the operator in all driving conditions. The operator remains comfortable and productive throughout the day.

Operator Environment

Improved productivity with a comfortable and confident operator

Spacious Two-Person Cab

The large two-person cab, offers a comfortable working space for both the operator and a passenger. The passenger seat is fully padded with a backrest and a wide, retractable seat belt for a secure and comfortable ride. It is also positioned adjacent to the operator, giving both the operator and passenger a clear view of the instrument panel, controls and the road. The storage space behind the operator seat has been increased, and access improved. The design and layout is common across all C Series Articulated Trucks.

Air Suspension Seat

The air suspension seat provides improved operator comfort with a cushioned upper high back, adjustable damping with three settings, ride zone indicator and adjustable lumbar settings. It is fully adjustable to provide the optimal driving position.

Cab Atmosphere

The air conditioning system helps to keep you comfortable whatever environment you are operating in.

Waiting Brake

As the name implies, anywhere you are waiting you can use this feature to remove the need for repeated application of the parking brake. For example, if you are holding the machine on a grade, in a loading or dump area, select neutral and press the yellow button on the gear select cane. This will automatically apply the service brakes, without the need to apply the park brake. To disengage, put the machine in gear and the brakes are automatically released.







Control Layout

The cab is designed to make all aspects of machine operation as simple as possible. The controls and gauges are easy to read and straightforward to operate, the controls and gauges allow the operator to focus on safe machine operation while maintaining productivity.

Dashboard

The integrated wrap-around dash puts all controls within easy reach of the operator. Featuring LED illuminated rocker switches for the dash dimmer, rear wash wiper, hazard warning, work lamp, secondary steer, A/C and cigar lighter. Delivers an automotive feel with the industrial strength you would expect from Caterpillar.

Color Multi Purpose Display (CMPD)

The dash mounted display unit shows the operator various levels of performance and condition pages as well as machine warning categories. These include performance data, configuration settings, operator and machine totals, service information, various machine status parameters, machine payload Information (when fitted), and the video feed from the rearview camera.

Bluetooth™ Stereo Connectivity

Make and receive calls via Bluetooth equipped mobile.





Durability and Reliability

Proven structures and components

Front Frame

The front frame design features a large box section and wide, stiff frame beams to handle torque loads. The divergent frame design decreases stress in the hitch area and optimizes suspension geometry. The frame design makes maximum use of robotic welding for increased durability.

Rear Frame

Twin-box construction minimizes stress concentrations and provides low weight with long service life.

Suspension

The three-point oscillating axle front suspension provides unparalleled ride quality. It also protects the truck from adverse road conditions by absorbing shock loads that would reach the frame.

Articulating/Oscillating Hitch

The articulating hitch provides the truck with steering articulation, and the oscillation ensures all-wheel ground contact in rough terrain.

Hitch Construction

Field proven two-piece construction features a durable cast steel head bolted to a hard wearing forged steel tube.

Dump Body Design

The 745C has a large target area to provide consistently high load-carrying capacity. Its diverging flow design gives clean material discharge, which maximizes production and avoids the waste of carry-back.

Output Transfer Gear

Distributes drive to the tractor and trailer and includes a wet clutch differential lock for optimum traction in poor underfoot conditions.

Service Brakes

Dual-circuit, all wheel braking system.
The full power hydraulic system actuates enclosed, oil immersed, multi disc, multi plate brakes with independent front and rear circuits and accumulators.

Parking Brake

Located on the center axle in an elevated position, it is spring applied and hydraulically released.

Integrated Technologies

Monitor, manage, and enhance job site operations





LINK Technologies

LINK technologies, like Product Link wirelessly connect you to your equipment, giving you valuable insight into how your machine or fleet is performing. The system tracks location, hours, fuel usage, productivity, idle time, and diagnostic codes through the online VisionLink user interface so you can make timely, fact-based decisions to maximize efficiency, improve productivity, and lower costs.

PAYLOAD Technologies

PAYLOAD technologies like Cat Production Measurement bring payload weighing to the cab to help optimize job site efficiency and productivity. Operators can view real-time load weights on the integrated display and know precisely when target is achieved, while cab-mounted external payload lights signal the loader operator when to stop loading to reduce overloading. Operators can track daily productivity from the cab, with quick access to truck payload weights, loads and cycle counts, and daily totals; or remotely via LINK technologies.

CAT CONNECT makes smart use of technology and services to improve your job site efficiency. Using the data from technology-equipped machines, you'll get more information and insight into your equipment and operations than ever before.

Cat Connect technologies offers improvements in these key areas:



Equipment Management – increase uptime and reduce operating costs.

Productivity – monitor production and manage PRODUCTIVITY job site efficiency.



Safety - enhance job site awareness to keep your people and equipment safe.





Serviceability

Maximize uptime and reduce costs

Long Service Intervals

Changes to oil change intervals, volumes and the type of oil required will help lower maintenance costs and machine downtime.

Lubrication Points

Lubrication points are grouped in the hitch area for ease of servicing. Universal joints are lubed for life, eliminating any maintenance. An Autolube system is also optional, and now includes alerts via Product Link for low grease levels.

Service Points

Mounted on the left side of the engine under the electrically raised hood:

- Engine dipstick and fill cap
- Transmission dipstick and fill cap
- Air, fuel water separator and fuel filters
- Electrically operated fuel-priming pump
- Coolant level indicator and fill cap are outside the cab

Radiator

The radiator package is located behind the cab, which provides protection from frontal impacts and offers easy access to the inlet and outlet sides of the radiator.

Extended Life Coolant

Extends the change interval and improves component life by reducing aluminum corrosion.

Electrical Service Center

Located inside the cab, this service center provides a power port, diagnostic connector and Cat Data Link connector.

Cat Data Link Connector

The Cat Data Link connector provides a plug-in using a laptop with Electronic Technician (ET) software.

Service Access

The cab tilts to the side to provide easy access underneath, which simplifies access to the transmission, drive shafts and hydraulic pumps. Machine electrical and hydraulic interfaces are located on the right side of the cab, behind a removable body panel for easy access.

Truck Transport

The suspension system eliminates the need to lower the suspension when transporting the truck, reducing maintenance and downtime.



Complete Customer Support

A commitment to your success

Selection

Make comparisons of the machines you are considering before you buy. Your Cat dealer can help.

Purchase

Consider the resale value; compare productivity and day-to-day operating costs and fuel consumption.

Operation

For the best operating techniques to increase productivity and your profit, turn to your Cat dealer for the latest training literature and trained staff.

Maintenance

Repair option programs guarantee the cost of repairs up front. Diagnostic programs such as $S \cdot O \cdot S^{SM}$ and Technical Analysis help you avoid unscheduled repairs.

Replacement

Repair or rebuild? Your Cat dealer can help you evaluate the costs so you can make the right choice.

Product Support

Your local Cat dealership will be with you every step of the way with its unsurpassed worldwide parts support, trained technicians and customer support agreements.

cat.com

For more complete information on Cat products, dealer services and industry solutions, visit us on the Web at www.cat.com.



All Cat Articulated Trucks are designed to maximize efficiency and productivity while conserving natural resources.

Oil Volumes

The amount of both hydraulic and engine oil required has been lowered, reducing waste oil disposal.

Recycle Waste

The Caterpillar Design, Manufacturing, Assembly and Test Site at Peterlee in England recycle 98% of all waste produced with zero waste to landfill.

Second Life

Rebuild and reman are designed and built in to all Cat C Series Articulated Trucks. This gives machines a longer life while reducing waste and replacement costs.



Safety

Designed and built into every machine

Product Safety

Caterpillar has been and continues to be proactive in developing machines that meet or exceed safety standards. Safety is an integral part of all machines and system designs.

Safety Features

- Cab integral ROPS (Roll Over Protection System) and FOPS (Falling Object Protection System)
- Rearview camera system incorporated into the CMPD, can provide a continuous panoramic rear view or when reverse gear is selected
- The secondary and parking brake functions are spring applied and hydraulic released
- Electro-hydraulic secondary steering system automatically activates in forward/reverse or when stationary if low pressure is sensed. Can be manually selected for machine recovery purposes.
- Ground level external engine fuel cut off switch provides easy access outside of the machine
- External electrical system disconnect switch for easy access from outside of the machine
- Slip resistant walkways punched steel plate
- 75 mm (3 in) wide seat belts for operator/trainer and passenger
- · Wide angled mirrors for excellent rear visibility
- · Sweeping hood design for panoramic forward visibility
- Extensive handrails
- Body raised visual indicator
- Heated mirrors (optional)
- LED-flashing beacon (optional)
- Additional mirrors
- Maximum speed limiter
- Multiple camera option
- Internal and external grab handles
- Fire extinguisher in-cab mounting point
- Fully raised body locking pin
- Reversing indicator
- Park brake switch safety lock

| Engine | | |
|-------------------------|------------|-----------------------|
| Engine Model | Cat C18 AC | ERT |
| Gross Power – SAE J1995 | 381 kW | 511 hp |
| Net Power – SAE J1349 | 370 kW | 496 hp |
| Net Power – ISO 14396 | 376 kW | 504 hp |
| Bore | 145 mm | 5.7 in |
| Stroke | 183 mm | 7.2 in |
| Displacement | 18.1 L | 1,106 in ³ |

- The power ratings apply at rated speed of 1,700 rpm when tested under the conditions for the specified standard.
- The net power advertised is the power available at the flywheel when the engine is equipped with alternator, air cleaner, muffler and fan at minimum speed.
- Net power when the fan is at maximum speed is 348 kW (467 hp) per the SAE reference conditions.
- The 745C meets Tier 2/Stage II equivalent emission standards.

| No Engine De-rating Required Below | 3050 m | 10,000 ft |
|--------------------------------------|-----------|--------------|
| Peak Engine Torque Gross (SAE J1995) | 2618 N·m | 1,931 lbf-ft |
| Peak Engine Torque Net (SAE J1349) | 2558 N·m | 1,887 lbf-ft |
| Peak Engine Torque Speed | 1,200 rpm | |

| Weights | | |
|---------------|-----------|-----------|
| Rated Payload | 41 tonnes | 45.2 tons |

| Body Capacities | | |
|-------------------------|---------------------|----------------------|
| Heaped SAE 2:1 | 25 m³ | 32.7 yd³ |
| Struck | 18.5 m ³ | 24.2 yd³ |
| Tailgate Heaped SAE 2:1 | 26.5 m ³ | 34.7 yd³ |
| Tailgate Struck | 19.5 m ³ | 25.5 yd ³ |
| Transmission | | |
| Forward 1 | 6.1 km/h | 3.8 mph |
| Forward 2 | 8.1 km/h | 5 mph |
| Forward 3 | 11.2 km/h | 7 mph |
| Forward 4 | 14.1 km/h | 8.8 mph |
| Forward 5 | 18.7 km/h | 11.6 mph |
| Forward 6 | 22.9 km/h | 14.2 mph |
| Forward 7 | 31.5 km/h | 19.6 mph |
| Forward 8 | 37.9 km/h | 23.5 mph |
| Forward 9 | 54.8 km/h | 34 mph |
| Reverse 1 | 6.4 km/h | 4 mph |
| Reverse 2 | 14.6 km/h | 9.1 mph |

Sound Levels

Interior Cab 79 dB(A)

- The operator sound exposure Leq (equivalent sound pressure level) measured according to the work cycle procedures specified in ANSI/SAE J1166 OCT 98 is 76 dB(A), for the cab offered by Caterpillar, when properly installed and maintained and tested with the doors and windows closed.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/ windows open) for extended periods or in noisy environments.

| Operating Weights | | |
|--------------------------|-----------|------------|
| Front Axle – Empty | 19 130 kg | 42,174 lb |
| Center Axle – Empty | 6990 kg | 15,410 lb |
| Rear Axle – Empty | 6750 kg | 14,881 lb |
| Total – Empty | 32 870 kg | 72,466 lb |
| Front Axle – Rated Load | 5990 kg | 13,007 lb |
| Center Axle – Rated Load | 17 550 kg | 38,691 lb |
| Rear Axle – Rated Load | 17 550 kg | 38,691 lb |
| Total – Rated Load | 41 000 kg | 90,389 lb |
| Front Axle – Loaded | 25 030 kg | 55,182 lb |
| Center Axle – Loaded | 24 540 kg | 54,101 lb |
| Rear Axle – Loaded | 24 300 kg | 53,572 lb |
| Total – Loaded | 73 870 kg | 162,855 lb |

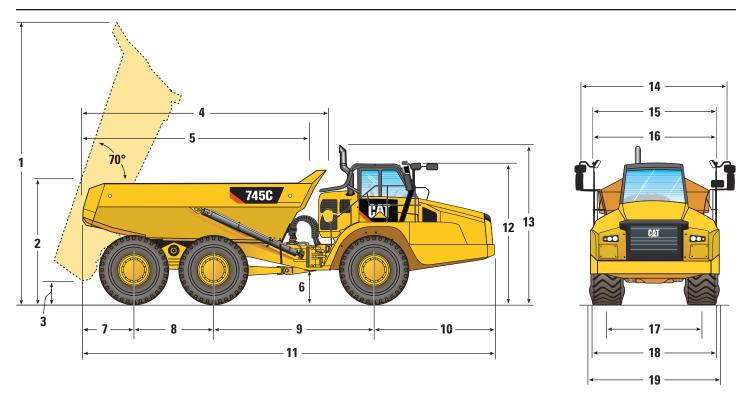
| Body Plate |
|------------|
|------------|

High strength Brinell HB450 wear resistant steel

| 550 L | 145.3 gal |
|-----------|--|
| 90 L | 23.7 gal |
| 67 L | 17.69 gal |
| 140 L | 36.9 gal |
| 52 L | 13.7 gal |
| 75 L | 19.8 gal |
| 5 L | 1.3 gal |
| 60 L | 15.8 gal |
| | |
| 12 Second | ls |
| 8 Seconds | 3 |
| | |
| ISO 3450 | - 2011 |
| ISO 3449 | Level II – 2005 |
| ISO 3471 | - 2008 |
| ISO 5010 | - 2007 |
| | 90 L 67 L 140 L 52 L 75 L 50 L 60 L 12 Seconds ISO 3450 ISO 3449 ISO 3471 |

Dimensions

All dimensions are approximate.



| | mm | ft/in | | mm | ft/iı |
|----|------|--------|---------|--------|-------|
| 1 | 7302 | 22'11" | 11 * | 11 429 | 37'5 |
| 2 | 3165 | 10'4" | ** | 11 555 | 37'1 |
| 3 | 772 | 2'6" | 12 | 3746 | 12'3 |
| 4 | 6447 | 21'1" | 13 | 4041 | 13'3 |
| 5 | 5889 | 19'3" | 14 | 4166 | 13'8 |
| 6 | 579 | 1'10" | 15 *** | 3422 | 11'2 |
| 7 | 1458 | 4'9" | 16 **** | 3774 | 12'4 |
| 8 | 1966 | 6'5" | 17 † | 2687 | 8'9 |
| 9 | 4590 | 15'0" | 18 †† | 3370 | 11'0 |
| 10 | 3415 | 11'2" | 19 ††† | 3530 | 11'6 |
| | | | | | |

Unladen dimensions with 29.5R25 standard tires.

^{*} OAL

** OAL with Tailgate

*** Body Width

**** With Tailgate

[†] Track Width

tt Over Fenders

ttt Over Tire Bulge

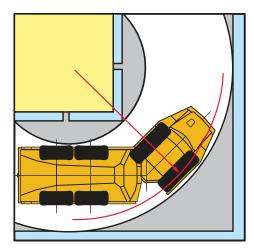
Turning Circle

Dimensions are for machines equipped with 29.5R25 tires.

| Turning dimensions | | |
|--------------------------|---------|--------|
| Steer Angle – left/right | 459 | 0 |
| SAE Turning Radius | 8624 mm | 340 in |
| Clearance Radius | 9082 mm | 358 in |
| Inside Radius | 4413 mm | 174 in |
| Aisle Width | 5961 mm | 235 in |

Steering

Lock to Lock 4.8 seconds @ 60 rpm



Optimal Loader/Truck Pass Matching

| Hydraulic Excavators | 390F | 374F | 349E |
|----------------------|------|------|------|
| Passes | 3-4 | 4-5 | 5-6 |

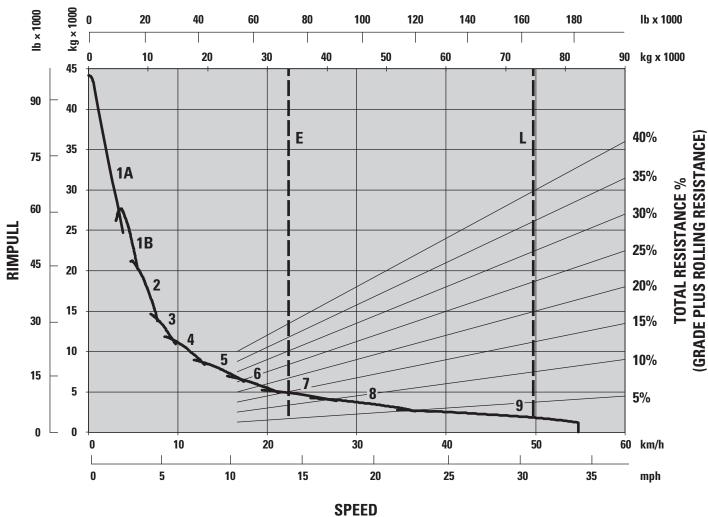
| Wheel Loaders | 988K | 980M | 972 M | 966M |
|---------------|------|------|--------------|------|
| Passes | 4 | 5 | 5-6 | 6 |

An optimum system match gives you a major productivity advantage. The 745C is an excellent match for the Cat 390F, 374F and 349E Hydraulic Excavators; and Cat 966M, 972M, 980M and 988K Wheel Loaders. Having matched loading and hauling tools results in increased production and lower system costs per unit of volume moved.

Gradeability/Speed/Rimpull

To determine performance, read from Gross Weight down to % Total Resistance. Total Resistance equals actual % grade plus 1% for each 10 kg/metric ton (20 lb/ton) of Rolling Resistance. From this point, read horizontally to the curve with the highest attainable speed range. Then, go down to Maximum Speed. Usable Rimpull depends on traction available.





1A – 1st Gear (Converter Drive)

1B – 1st Gear (Direct Drive)

2 - 2nd Gear

3 - 3rd Gear

4 – 4th Gear

5 – 5th Gear

J – Juli deal

6 – 6th Gear

7 – 7th Gear 8 – 8th Gear

9 – 9th Gear

E - Empty 32 870 kg (72,466 lb)

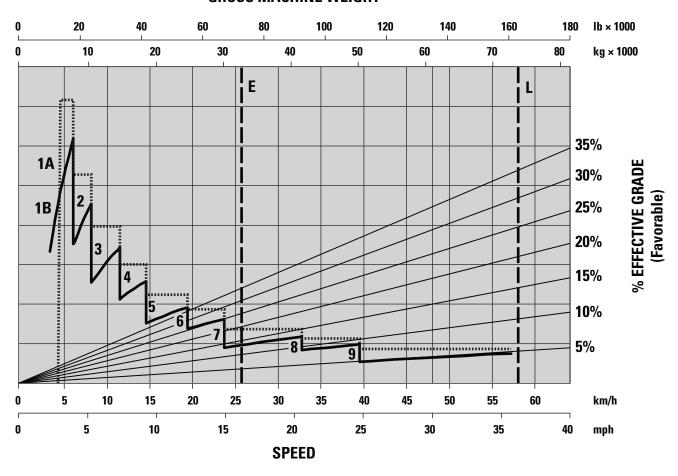
L - Loaded 73 870 kg (162,855 lb)

* at sea level

Retarding Performance

To determine performance, read from Gross Weight down to % Effective Grade. Effective Grade equals actual % favorable grade plus 1% for each 10 kg/metric ton (20 lb/ton) of Rolling Resistance. From this point, read horizontally to the curve with the highest attainable speed range. Then, go down to Maximum Speed. Retarding effect on these curves represents full application of the retarder.

GROSS MACHINE WEIGHT



1A – 1st Gear (Converter Drive)

1B - 1st Gear (Direct Drive)

- $2-2nd\ Gear$
- 3 3rd Gear
- 4 4th Gear
- 5 5th Gear
- 6 6th Gear
- 7 7th Gear
- 8 8th Gear
- 9 9th Gear

E - Empty 32 870 kg (72,466 lb)

L – Loaded 73 870 kg (162,855 lb)

* at sea level

745C Standard Equipment

Standard Equipment

Standard equipment may vary. Consult your Cat dealer for details.

- Air conditioning with R134A refrigerant
- · Adjustable air vents
- Auto shift nine-speed forward and two reverse transmission
- · Reverse alarm
- Cat C18 ACERT engine
- · Cat rearview camera
- Color Multi-Purpose Display (CMPD) incorporating the rearview camera feed
- Differentials: standard with automatic clutched inter and cross-axle differential locks
- Dual circuit oil immersed, enclosed brakes – all wheels
- Electrical system: 24 volt, 5A 24- to 12-volt converter
- Electro hydraulic hoist control
- Glass windows: laminated and tinted-front toughened and tinted-sides and rear
- Guards: rear window, radiator, crankcase and axle
- Heater and defroster with four-speed fan
- · Horn: electric
- Lights: cab interior, front, width marker, side, rear, two reversing/work light, two stop/tail lights, front and rear direction indicators

- Mirrors: Extensive arrangement for improved visibility
- Mud flaps: wheel arch and body mounted with transportation tiebacks
- Product Link: PL321 or PL522 dependent on location and licensing agreement
- Retarder: engine compression brake
- ROPS/FOPS cab, machine operation monitoring system includes:
- Action lamp, engine oil pressure, primary steering system, left turn signal, high beam, coolant temperature, tachometer, parking brake, fuel level, right turn signal, transmission oil temperature, brake system, transmission hold, hoist control, hydraulic system, charging system, retarder, transmission fault, traction control system, check engine lamp
- Liquid Crystal Display (LCD)
- Alert indicator, selected gear and direction, speed or auto shift, review Operation and Maintenance Manual (OMM), primary steering failure, seat belt warning, secondary steering failure, Machine Security System (MSS), secondary steering energy source engaged, hour meter and retarder active

- Seat, fully adjustable, air suspension
- Seat, padded companion/trainer
- Secondary steering electro hydraulic
- S·O·S sampling valves
- Spill guard, front, integral part of fabricated body
- Starting receptacle, electric, remote
- Storage: cup holder, flask receptacle, under seat storage, door pocket, behind seat storage, coat hook.
- Sun visor
- Three axle, six-wheel drive
- Tilt and telescopic steering wheel
- Tires, six 29.5R25, radial
- Two seat belts, operator's retractable
- Vandalism protection: lockable caps for fuel tank and hydraulic oil tank
- Windows opening side, tinted
- Windshield wiper and washer, two speed, intermittent (front)
- Windshield wiper and washer, two speed (rear)

745C Optional Equipment

Optional Equipment

Optional equipment may vary. Consult your Cat dealer for details.

- Auto lube installation for automatic greasing of bearings
- Body liners
- Bluetooth radio stereo system.
- Cold weather coolant –51° C (–60° F)
- Cold weather start attachment
- Engine block heater
- Ether start
- Exhaust heated body

- Fast fuel fill
- Flashing LED beacon
- Fuel additive-anti-waxing
- Heated seat
- Heated rearview motorized mirrors
- Machine Security System (MSS)
- Product Link: PL321, PL522, VIMSTM Cellular, VIMS Satellite (where available)
- Roof mounted High Intensity Discharge (HID) work lights
- Scissor tailgate
- 875/65 R29 wide tires
- Cat production measurement payload monitoring system

Notes

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

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