



JAW CRUSHER B4







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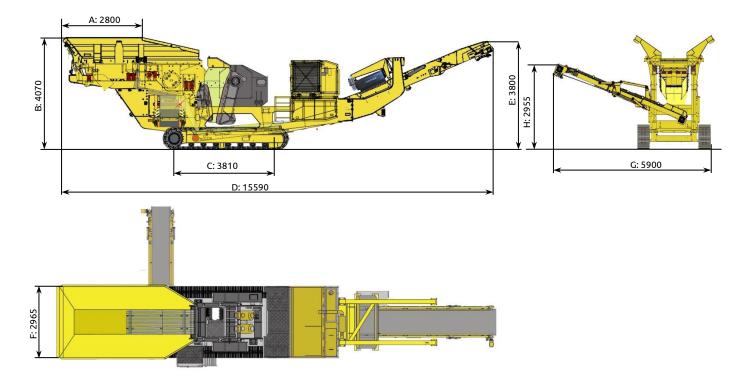






DIMENSIONS

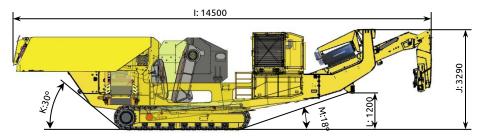
OPERATION:



TRANSPORT:

Weight options:

Transport width



REMARK: All pictures might show options, not included in the scope of supply Weight: approx. 44 t (without options) А В С D Е F G Magnetic separator lift able 1.500 kg 2800 4070 3800 3800 15590 2965 5900 478 kg Hopper wear plates 1.120 kg Conveyor pre-screening 9'2" 13'4" 12'6" 51'3" 12'6" 9'9" 19'4" 2.700 mm (8'10") Н J Κ L Μ L 2955 14500 3290 30° 1200 18°

47'7"

10'10"



2

9'8"

JAW CRUSHER

3'0"



TECHNICAL SPECIFICATION

1) FEED HOPPER

- Length - Width

- Drive

- Content	5 m³	
- Design	Wear resistant steel HB 450	
- Feeding height	4.070 mm	(13'4")
- Feeding width	2.965 mm	(9'9")
- Feeding length	2.800 mm	(9'2")
- Hopper walls	hydraulically foldable for transport	
2) VIBRATING FEEDER		

(7'7") 2.300 mm 1.000 mm (3'3") (15 hp) Hydraulic 11 kW 700 – 1.000 R.P.M. variable speed

3) DOUBLE DECK SCALPER

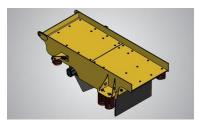
- Length	2.300 mm	(7'7")
- Width	1.000 mm	(3'3")
- Top deck 2 step	Hexagonal or long holes	
Punched plate	Apertures: 20 - 100 mm; s= 15 - 20 mm	(3/4" - 4")
- Bottom deck	1.750 x 1.000 mm with square mesh of choice - see list (end tensioned)	(5´9" x 3´3")
- Material flow (changeable with	- fine fraction either in crusher bypass or	
manually operated flap)	separately stockpiled (with p/n 164021)	
	- Intermediate fraction either in crusher bypass	
	(lower deck bigger mesh than upper deck) or	
	separately stockpiled (with option p/n 164021)	
- Drive	Hydraulic motor 11 kW; 700 – 1000 U/min	(15 hp)

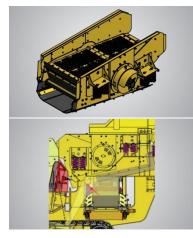
4) JAW CRUSHER

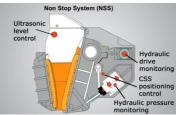
- Model	72 JCR with hydraulic management (gap adjustment and safety release system, patented N.S.S. = Non Stop System)	
- Feed opening	1.100 x 700 mm	(44" x 28")
- Outlet adjustment	C.S.S. min max. 45 - 160 mm	(1 ¾ " – 6 1/3 ")
- Throughput (*)	See page 10; the throughput is variable according	
	to feeding material and jaw crusher setting	
- Feed size	0/600 mm	(<2´)
- Throw swing jaw	29 mm for hard stone; 32 mm for recycling	
- Weight of jaw crusher	18,5 ton	(20,4 st)
- Plate height fixed jaw	Toothed static jaw 1.325 mm	(4´2")
	Material: 18Mn2Cr	
- Plate height movable jaw	Toothed swing jaw 1.835 mm	(6')
	Material: 18Mn2Cr	
- Flywheel diameter	1.200 mm; 1.200 kg/pcs	(3´11")

Full hydraulic gap setting during operation!!!









- REMARK

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JAW CRUSHER



TECHNICAL SPECIFICATION

5) MAIN BELT CONVEYOR

- Discharge l	height
---------------	--------

- Stockpile volume
- Length AD
- Width BW
- Belt speed
- Belt
- Discharge to belt

- Inclination

- Drive

- Transport

6) TRACK - UNIT

- Length

- Width track shoe

- Total width

- 2 speeds

- Drive

7) ENGINE UNIT

- Drive

- Diesel Motor, Type

- Emission control
- Power ISO 14396
- Max. torque
- Engine operating speed
- Bore hole / stroke
- Combustion chamber
- Fuel consumption
- Voltage
- Cooling
- Fuel - Air filter
- All Hitter
- Drive crusher
- Hydraulic oil tank
 ATTENTION

3.800 mm	(12'6")
Approx. 170 t (γ=1,7; 37° angle of repose)	
11.400 mm	(37'5")
1.000 mm	(3'3")
1,56 m/s	
RIP STOP 500/3-5+2; Metal shield in the top cover	
for increased belt service life under hard working	
conditions	
heavy duty rubber plates for discharge from	
crusher to main belt conveyor	
8 - 20°	
Hydraulic 15 kW	(20 hp)
Hydraulically foldable	

3.800mm 400mm 2.500mm 1,1 km/h and 2 km/h Hydraulic piston pump and planetary gears

Diesel / Hydraulic	
a) JOHN DEERE 6.8 HF G 82 200 fixed speed	p/n 141003
b) VOLVO TAD 873 VE	p/n 103477
a) Tier 3; EU STAGE IIIA	
b) Tier 4f; EU STAGE IV; SCR, cooled EGR	
a) 212 kW / 1.800 rpm;	
b) 235 kW at 1.800 rpm	
a) 984 Nm at 1.400 R.P.M.	
b) 1.310 Nm at 1.400 R.P.M.	
1.750 R.P.M. for low noise emission	
a) 106 x 127; b) 110 x 135 mm	
a) 6.800; b) 7.700 cm³	
a) 215 g/kWh, typical 26 - 28 l/h **)	
24 Volt (for improved cold start properties)	
Water cooled	
Tank 450 Litres; fuel code acc. to EN 590	
Cyclone pre filter – dual stage fine filter	
Engine $ ightarrow$ axial piston pump (closed circuit)	
\rightarrow hydraulic motor \rightarrow V-belt drive for crusher drive	2
300 Litres	
Engine warranty expires in case non genuine	
Keestrack filters are used!	

With "Load sensing" hydraulic pumps, the fuel consumption is reduced by Approx. 20-25%, compared to standard gear pump and flow divider hydraulic systems.

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4 JAW





TECHNICAL SPECIFICATION

8) CONTROL

- Type
- Display
- Operation
- Controller

- PLC IP 67; dust and vibration proof LCD screen 7" Control panel Wired hand remote controller; or optional Radio remote controller (see option list)
- Level sensor hydraulic
- Temperature control of hydraulic oil
- Diesel fuel tank level sensor
- Cold start protection
- Speed sensor for crusher

Included; with low level protection > 83° C protection; first feeder stops, later engine stops First low level warning, then feeder stops, then engine stops Below 0° C a warm-up is required Included





9) FRAME

- Ease of service

To obtain good and easy maintenance, the feeding and scalping unit can be moved hydraulically for allowing an access opening of 600 mm.

> Frame moved by 600 mm for ease of service

Hydraulic cylinder 600 mm stroke

Perfect access to pre-screen and jaw crusher



(*) The throughput is based on crushing dry limestone with appropriate size, having bulk density of 1,6 t/m³ and 200 MPa compressive strength. Bulk waste material will tend to change considerably the output in relation to his conditioning, size and quantity of metallic components contained.

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Smaller C.S.S. values can be used only in specific applications for specific product and must first be approved in writing by Keestrack Technical department.

N.B.: Availability of chosen variants and options must always be checked up

(**) The fuel consumption depends on the feed material, machine setting, condition of wear parts, ...





10) DUST SUPRESSION SYSTEM p/n 164018

- Type

- Drive

- Nozzles

- Water consumption
- Spraying areas

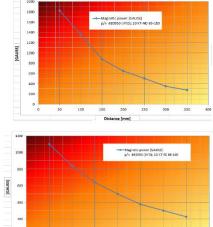
CAS 91 Hydraulic motor 1,1 kW Max. 0,75 m³/h Crusher outlet and middle (optional end) of main conveyor 5 + 5, Hole 1,1 mm; 1,2 l/min at 3 bar



11) NEODYM MAGNETIC SEPARATOR

- Туре	MAGNET OVERBAND 10 KT-ND 65-183	p/n 101347
	MAGNET OVERBAND 10 KT-FE 65-183	p/n 101359
- Belt width	700 mm	(2'2")
- Belt length (AD)	1.830 mm	(6')
- Magnet L x W	1.070 x 600 mm	(3'6" x 1'11")
- Magnetic power	650 (500) GAUSS at 200 mm	
- Drive	Hydraulic motor 4 kW	(5,5 hp)
- Speed	2,0 m/s	
- Lift able and lower able	Hydraulic 150 up to 345 mm	
- Weight	ND: 760 kg; FE: 863 kg	
- Belt	Endless rubber belt KT Flex 400/1; 4+2,5; Grade	
	RS; cleats vulcanized T 35 (40) mm	
- Bearings	Inside arranged bearings at drive and take up	
	drum to avoid hanging-in of tramp iron.	
	Bearings are lubricated for life time (10.000	
	hours); so no more lubrication is necessary;	
	double sealing with radial ring and V-ring	
- Frame and cladding	Made of stainless steel to avoid reduction of	
	magnetic forces	





12) RADIO REMOTE CONTROL – Level 2 p/n 100370

- Order no.	Remote 103162 Sticker 101473
- Functions	 Tracks forwards / backwards proportional with automatic speed control Belt feeder start / stop and + / - Crusher gap open / close (C.S.S.) MCL start / stop and + / -

- Magnetic separator up / down
- Automatic start / stop
- Machine stop button (blue)
- Display Crusher gap, Speed, Feeder, Alarms

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JAW CRUSHER **B**



13) BUILT ON SINGLE DECK SCREEN with OSR, RUB, FCO p/n 649691

	,
S	CREENBOX

- Width

- Length
- Drive
- Tensioning system

		5	
-	p/n	649700	

48 SCR 100-00	
1.200 mm	(3´11")
2.800 mm (without feeding tray)	(9´2")
Hydraulic 7,5 kW	(10 hp)
2 screen nets, mechanically tensioned	
Frame for secondary screening unit	

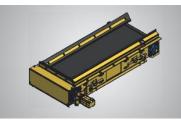


OVERSIZE CONVEYOR	72 OSR 100-00H	
- Length AD	2.850 mm	(9´4")
- Width BW	500 mm	(1 <i>`</i> 8")
- Drive	Hydraulic 4 kW	(5 hp)
- Transport	hydraulically fold-able	
RECYCLING CONVEYOR	72 RUB 100-00H	
- Length AD	6.500 mm	(21´4")
- Width BW	500 mm	(1 <i>`</i> 8")
- Belt speed	Adjustable; standard 1,15 m/s	
- Inclination	25°	
- Drive	Hydraulic 5,5 kW	(7 hp)
- Rubber belt	Steep inclination belt (Chevron)	
- Transport	Separately transported	
- Transport length	10.860 mm	(35´8")
FINES CONVEYOR	48 FCO 100-00 (p/n 689050)	
- Length AD	4.200 mm	(13 <i>´</i> 9")
- Width BW	1.000 mm	(3´3")
- Discharge height	3.100 mm	(10´2")
- Belt speed	Adjustable; standard 1,15 m/s	
- Inclination	25°	
- Drive	Hydraulic 7,5 kW	(10 hp)
- Stockpile volume	Арргох. 70 t (y=1,7; 37°)	
- For transport / service	Hydraulically fold-able	

14) SIDE BELT CONVEYOR FOR PRE-SCREEN p/n 164021

- Туре	LSC	
- Length AD	5.000 mm	16'5")
- Width BW	800 mm	(2'7")
- Discharge height	2.955 mm	(9'8")
- Belt speed	1,15 m/s	
- Inclination	22°	
- Drive	Hydraulic 5,5 kW	(7,5 hp)
- Stockpile volume	Арргох. 80 t (у=1,7; 37°)	
- For transport	Hydraulically foldable for transport	
- Weight	1.120 kg	(2.469 lb)
- Conveyor arrangement	Can be built on to the left and right side	













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JAW CRUSHER





15) FEED HOPPER WITH WEAR PLATES p/n 164019

- Wear plates

- Weight

set 8 mm HB 450, fitted in the feed hopper 478 kg

16) FUEL FILLING PUMP p/n 701030

- Weight
- Model
- Capacity
- Filter
- Suction hose
- Drive

10 kg F 80-24-1"; with automatic filling stop 80 l/min 3 micron with water absorbant media ¾" 1,5 m long On board-electric 24 V DC

17) CENTRAL GREASING SYSTEM p/n 164017

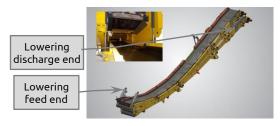
- Weight	6 kg	(13 lb)
- Туре	Central greasing , 24 Volt DC	
- Remark	with adjustable lubrication intervals	

18) MCL KT FLEX BELT p/n 164035

- Туре
- Advantages
- KT-Flex 630/1; GRADE RS
 - Superior impact resistance comparable to that of
 - a 4-ply EP belt type 1600/4.
 - Superior rip resistance four times greater superior tear resistance.

19) MCL LIFTING / LOWERING SYSTEM

 Increasing clearance below the crusher Optionally, the feeding section (p/n 808771) and for recycling applications
 discharge section (p/n 805134) can be lowered hydraulically



20) WORKING LIGHTS

	p/n 70
- Tower with 4 lamps	LED lig
	each la
	4500 L
 protection degree 	IP69K
- Weight	9 kg

p/n 701006 LED lights 12/24 V; 45 W each lamp: 9 pcs. LED's (p/n 205147) 4500 Lumen IP69K 9 kg

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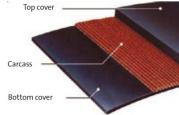


JAW CRUSHER **B**

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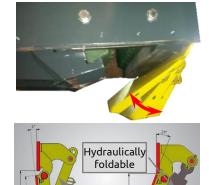




21) DEFLECTOR

Deflector plate for recycling application (manually foldable) p/n 807570; with HB 450 wear plates ; 94 kg

Deflector plate for recycling application (hydraulically foldable) p/n 807571; with HB 450 wear plates; 114 kg



Manually foldable



- Type

Fixed rubber discharge chute

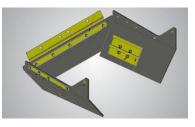
- Made off - Arrangement

- Weight

rubber At the crusher discharge 57 kg

up to 9,1 kW

(+120 lb)



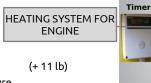
23) HEATING SYSTEM FOR ENGINE p/n 203460

- Heating power - Fuel consumption - Voltage / Watt

- Operating temperature
- Weight
- Additional

0,19 - 1,1 l/h HEATI 24V; 37-90 W -40°C - + 80°C 4,8 kg (+ Incl. timer for 3 starting times and temperature pre-selection

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Geo fence

TECHNICAL SPECIFICATION - OPTIONS

24) UMTS MODEM WITH GPS TRACKING SYSTEM "KEESTRACKER"

(without SIM card) p/n 102971

- Functions

 WEB portal: position of the machine can be displayed on Google Maps; a geo-fence can be generated.

FOR DEALER ONLY:

- Real time access to Diesel engine, parameters of components and alarms.

- option

International ROAMING SIMCARD 1 year limited data volume – p/n 880884

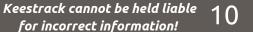
TRANSFER MACHINE DATA THROUGH KEESTRACKER

The Buyer will not transfer personal data to KEESTRACK. As part of the service, KEESTRACK will receive the following data regarding the machine through "Keestracker", the tracking and controlling system of the machine in question:

- Location data of the machine
- Machine usage data (such as: performance of the engine and other functions)

The Buyer acknowledges that this information does not constitute confidential business information of the Buyer. The Buyer provides its explicit consent for this data collection and takes appropriate technical and organizational measures to ensure that natural persons cannot be identified by these mechanical data.

The Buyer explicitly acknowledges that this information is provided free of charge to KEESTRACK for the delivery of services offered by KEESTRACK and to adapt or improve its services and/or products.







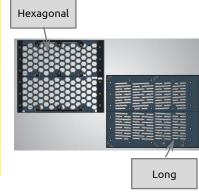


TECHNICAL SPECIFICATION – SCREEN CHOICE

25) SCREENS for TOP DECK of PRE-SCREEN

Punched plates

p/n	Dimensions	Thickness s=[mm]	Hard- ness
697145	LONG 22x100 mm	15	HB 450
697110	Hexagonal 20 mm	15	HB 450
697115	Hexagonal 30 mm	15	HB 450
697120	Hexagonal 40 mm	15	HB 450
697125	Hexagonal 50 mm	15	HB 450
679175	Hexagonal 55 mm	12	HB 450
697130	Hexagonal 60 mm	15	HB 450
697135	Hexagonal 70 mm	20	HB 450
697140	Hexagonal 80 mm	20	HB 450
679170	Hexagonal 100 mm	15	HB 450



26) SCREENS for BOTTOM DECK of PRE-SCREEN

Square mesh	p/n	Dimensions	
	202746	10 x 10 x 3 mm	222
	202680	12 x 12 x 3 mm	22
	202681	15 x 15 x 3 mm	
	202682	20 x 20 x 4 mm	10
	202677	22 x 22 x 4 mm	Carlos B
	202683	25 x 25 x 5 mm	
	202684	30 x 30 x 5 mm	
	202700	35 x 35 x 7 mm	
	202793	40 x 40 x 8 mm	

50 x 50 x 8 mm

27) SCREENS for TOP DECK (2-WAY-SPLIT)

Square mesh

p/n	Dimensions
201995	40 x 40 x 8 mm
202449	45 x 45 x 8 mm
202143	50 x 50 x 8 mm
202256	55 x 55 x 8 mm
202058	60 x 60 x 8 mm
202647	70 x 70 x 8 mm
202833	80 x 80 x 8 mm
202903	90 x 90 x 10 mm

202879

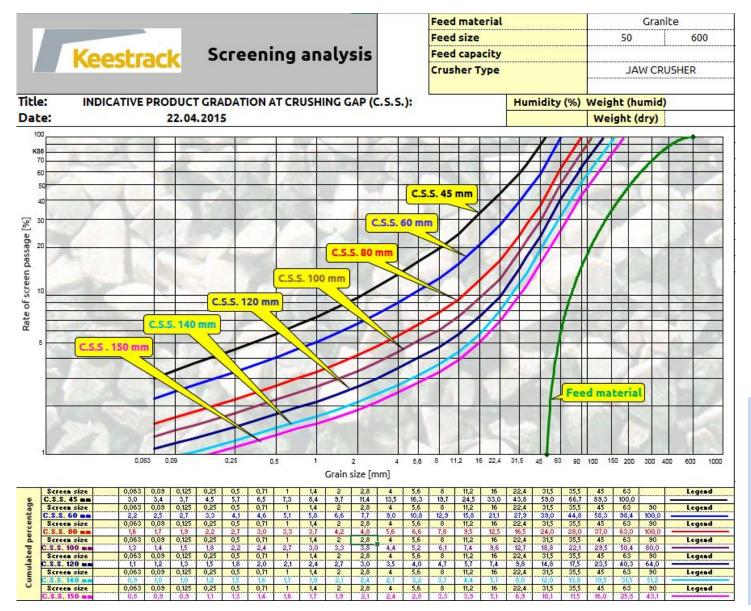








INDICATIVE PRODUCT GRADATION AT CRUSHING GAP (C.S.S.):



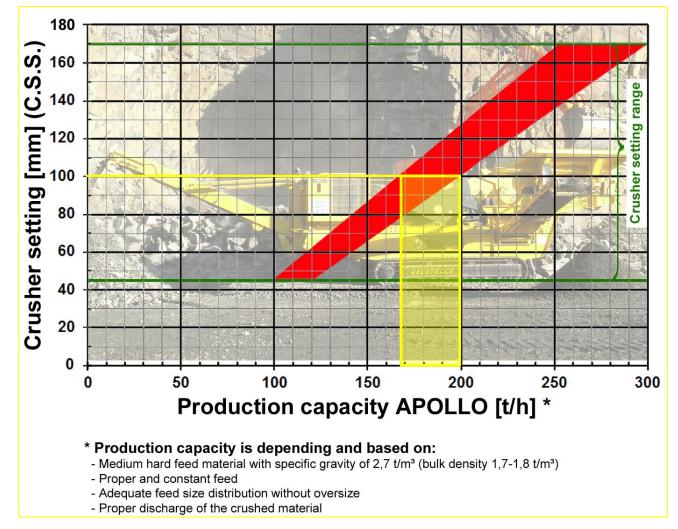
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INDICATIVE PRODUCTION CAPACITY:



EXAMPLE: Feed material is granite (W_i =16). If the crusher is set to a C.S.S. of 100 mm, the max. production will be between 168 and 200 t/h. Considering the bulk weight of the material of 1,6 t/m³ (see TECHNICAL INFO Page 3), the production capacity will be between 168 / 1,6 = 105 m³/h and 200 / 1,6 = 125 m³/h. For Granite (W_i =16), the production will be in the middle range = approx. 184 t/h.

The actual production depends on the material. If the Work Index W_i (see also TECHNICAL INFO Page 3) is low (10-14), the production will be on the higher range. If W_i is medium (14-18), the production will be in the middle range. If W_i is high (18-22), the production will be in the lower range.

WORK INDEX (Wi)	CRUSHABILITY
<10	very soft
10-14.	soft
14-19	medium
18-22	hard
>22	very hard

