



JAW CRUSHER B4





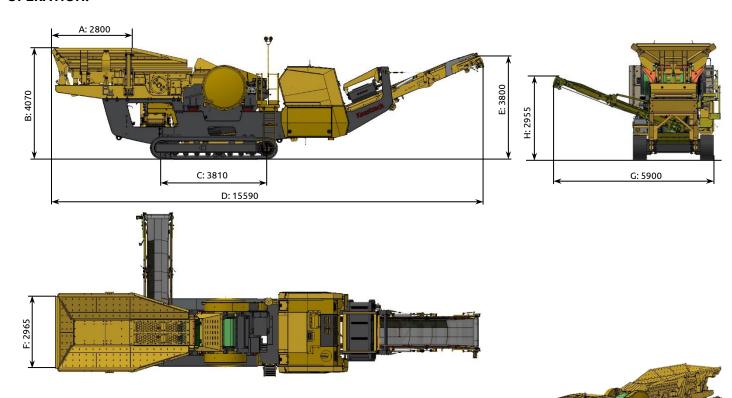




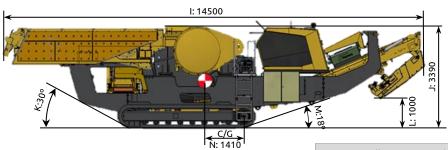


DIMENSIONS

OPERATION:



TRANSPORT:



REMARK: All pictures might show options, not included in the scope of supply

Α	В	С	D	Е	F	G
2800	4070	3800	15590	3800	2965	5900
9'2"	13'4"	12'6"	51'3"	12'6"	9'9"	19'4"
Н	1	J	K	L	М	N
2955	14500	3390	30°	1000	18°	1410
9'8"	47'7"	11′1"		3'4"		4'8"

Weight: approx. 44 t (without options)

Weight options:
Magnetic separator liftable 1.500 kg
Conveyor pre-screening 1.120 kg

Transport width 2.700 mm (8'10")





TECHNICAL SPECIFICATION

1) FEED HOPPER

- Content 5 m³

- Design Wear resistant steel HB 450

(13'4")- Feeding height 4.070 mm - Feeding width 2.965 mm (9'9") - Feeding length 2.800 mm (9'2")

- Hopper walls hydraulically foldable for transport

- Hopper wall locking system hydraulically with wedges

HB 450 welded - Wear plates



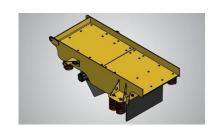
Hydraulic

cylinder

2) VIBRATING FEEDER

2.300 mm (7'7") - Length - Width 1.000 mm (3'3'')- Drive Hydraulic 11 kW (15 hp)

700 - 1.000 R.P.M. variable speed



3) DOUBLE DECK SCALPER

2.300 mm (7'7'')- Lenath - Width 1.000 mm (3'3")

- Top deck 2 step Hexagonal

Punched plate Apertures: 40 - 100 mm; s= 25 mm (1 1/2" - 4") - Bottom deck (5'9" x 3'3")

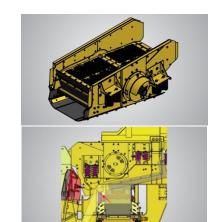
1.750 x 1.000 mm with square mesh of choice

see list (end tensioned)

- 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

- Feed opening

- Model 72 JCR with hydraulic management (gap

adjustment and safety release system, patented

N.S.S. = Non Stop System)

1.100 x 700 mm (44" x 28")

- Outlet adjustment C.S.S. min. - max. 45 - 160 mm (1 3/4" - 6 1/3")

- Throughput (*) See page 10; the throughput is variable according

to feeding material and jaw crusher setting

- Feed size (<2') 0/600 mm

- Throw swing jaw 29 mm for hard stone; 32 mm for recycling

- Weight of jaw crusher (21,1 st) 19,2 ton - Plate height fixed jaw Toothed static jaw 1.325 mm (4'2")

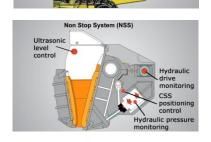
Material: 18Mn2Cr

- Plate height movable jaw (6')Toothed swing jaw 1.835 mm

Material: 18Mn2Cr

- Flywheel diameter 1.200 mm; 1.200 kg/pcs (3'11")

- REMARK Full hydraulic gap setting during operation!!!







TECHNICAL SPECIFICATION

5) MAIN BELT CONVEYOR

- Discharge height 3.800 mm (12'6")

- Stockpile volume Approx. 170 t (γ=1,7; 37° angle of repose)

- Length AD (37'5")11.400 mm - Width BW 1.000 mm (3'3")

- Belt speed 1,56 m/s

- Belt RIP STOP 500/3-5+2; Metal shield in the top cover

for increased belt service life under hard working

conditions

- Discharge to belt heavy duty rubber plates for discharge from

crusher to main belt conveyor

- Inclination 8 - 20°

(20 hp) - Drive Hydraulic 15 kW

- Transport Hydraulically foldable

6) TRACK - UNIT

- Length 3.800 mm - Width track shoe 400 mm - Total width 2.500 mm

- 2 speeds 1,1 km/h and 2 km/h

- Drive Hydraulic piston pump and planetary gears

7) ENGINE UNIT

- Max. torque

- Drive Diesel / Hydraulic

- Diesel Motor, Type a) VOLVO TAD 754 GE fixed speed p/n 882222 b) VOLVO TAD 873 VE p/n 881468

- Emission control a) Tier 3; EU STAGE IIIA

b) Tier 4f; EU STAGE IV; SCR, cooled EGR

- Power ISO 14396 a) 251 kW / 1.500 rpm;

b) 235 kW at 1.500 rpm

a) 1.596 Nm at 1.500 R.P.M.

b) 1.310 Nm at 1.400 R.P.M.

1.500 R.P.M. for low noise emission

- Engine operating speed

- Bore hole / stroke a+b) 110 x 135 mm - Combustion chamber a+b) 7.700 cm³

a) 215 g/kWh, typical 22 - 25 l/h **) - Fuel consumption

- Voltage 24 Volt (for improved cold start properties)

- Cooling Water cooled

- Fuel Tank 450 Litres; fuel code acc. to EN 590 - Air filter Cyclone pre filter – dual stage fine filter - Drive crusher Engine \rightarrow axial piston pump (closed circuit)

 \rightarrow hydraulic motor \rightarrow V-belt drive for crusher drive

- Hydraulic oil tank 300 Litres

ATTENTION 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.











TECHNICAL SPECIFICATION

8) CONTROL

- Type PLC - IP 67; dust and vibration proof

- Display LCD screen 4,3"

- Operation Control panel with RELYTEC II panel

- Controller Wired hand remote controller; or optional Radio

remote controller (see option list)

- Level sensor hydraulic Included; with low level protection

> 83° C protection; first feeder stops, later engine - Temperature control of hydraulic oil

- Diesel fuel tank level sensor

First low level warning, then feeder stops, then

- Cold start protection engine stops

Below 0° C a warm-up is required - Speed sensor for crusher

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.

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 CAS 91

- Drive Hydraulic motor 1,1 kW

- Water consumption Max. 0,75 m³/h

- Spraying areas Crusher outlet and middle (optional end) of main

conveyor

- Nozzles 5 + 5, Hole 1,1 mm; 1,2 l/min at 3 bar



11) NEODYM MAGNETIC SEPARATOR

- Type MAGNET OVERBAND 10 KT-ND 65-183 p/n 103059

MAGNET OVERBAND 10 KT-FE 65-183 p/n 101347

- Belt width 700 mm (2'2")

- Belt length (AD) 1.830 mm (6')

- Magnet L x W 1.070 x 600 (3'6" x 1'11")

- Magnetic L x W 1.070 x 800

- Magnetic power 650 (500) GAUSS at 200 mm

- Drive Hydraulic motor 4 kW

- Speed 2,0 m/s

- Lift able and lower able
 - Weight
 Hydraulic 150 up to 345 mm
 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.

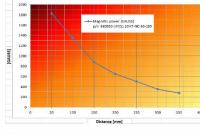
Bearings are lubricated for life time (10.000 hours); so no more lubrication is necessary; double sealing with radial ring and V-ring

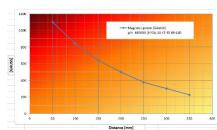
- Frame and cladding Made of stainless steel to avoid reduction of

magnetic forces



(5,5 hp)





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

- Order no. Remote 103162 Sticker 101473

- Tracks forwards / backwards 2 speeds

- Vibrating feeder start / stop and + / - (prop.)

- Crusher gap open / close (C.S.S.)

- MCL start / stop

- Magnetic separator up / down

- Automatic start / stop

- Machine stop button (blue)

- Display Crusher gap, speed feeder, Alarms



- Functions





13) BUILT ON SINGLE DECK SCREEN with OSR, RUB, FCO

p/n 649691

SCREENBOX	48 SCR 100-00	
- Width	1.200 mm	(3′11″)
- Length	2.800 mm (without feeding tray)	(9´2")
- Drive	Hydraulic 7,5 kW	(10 hp)
T:	2	1

Tensioning system
 p/n 649700
 2 screen nets, mechanically end tensioned
 Frame for secondary screening unit





- Length AD	2.850 mm	(9´4")
- Width BW	500 mm	(1´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´8")
- Belt speed	Adjustable; standard 1,15 m/s	
- Inclination	25°	
- Drive	Hydraulic 5,5 kW	(7 hp)

- Rubber belt
 - Transport
 Steep inclination belt (Chevron)
 - Separately transported

- Transport length 5.700 mm (18'8")



- Length AD	4.200 mm	(13´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

- Stockpile volume Approx. 70 t (y=1,7; 37°)
- For transport / service Hydraulically fold-able

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

- Type	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	

- Belt speed 1,15 m/s
- Inclination 22°

- Drive Hydraulic 5,5 kW (7,5 hp)

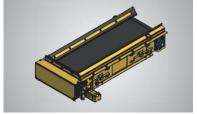
- Stockpile volume Approx. 80 t (y=1,7; 37°)

- 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













(10 hp)



B₄

TECHNICAL SPECIFICATION - OPTIONS

15) FUEL FILLING PUMP p/n 701030

- Weight 10 kg

- Model F 80-24-1"; with automatic filling stop

- Capacity 80 l/min

- Filter 3 micron with water absorbant media

- Suction hose 3/4" 1,5 m long

- Drive On board-electric 24 V DC

16) CENTRAL GREASING SYSTEM p/n 164017

- Weight 6 kg (13 lb)

- Type Central greasing, 24 Volt DC
 - Remark with adjustable lubrication intervals





17) MCL KT FLEX BELT p/n 164035

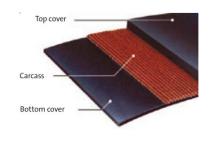
- Type KT-Flex 630/1; GRADE RS

- Advantages - Superior impact resistance comparable to that of

a 4-ply EP belt type 1600/4.

- Superior rip resistance four times greater

superior tear resistance.

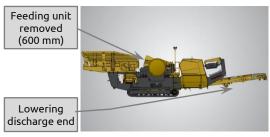


18) MCL LIFTING / LOWERING SYSTEM

- 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





19) WORKING LIGHTS

p/n 701006

- Tower with 4 lamps LED lights 12/24 V; 45 W

each lamp: 9 pcs. LED's (p/n 205147)

4500 Lumen

- protection degree IP69K- Weight 9 kg

(20 lb)









20) DEFLECTOR

Deflector plate for recycling application

(manually foldable)

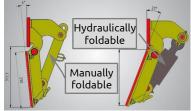
p/n 807570; with HB 450 wear plates; 94 kg

Deflector plate for recycling application

(hydraulically foldable)

p/n 807571; with HB 450 wear plates; 114 kg





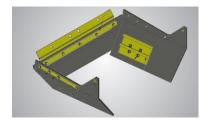
21) WEAR RESISTANT RUBBER DISCHARGE CHUTE p/n 805809

- Type Fixed rubber discharge chute

rubber - Made off

- Arrangement At the crusher discharge

(+120 lb) - Weight 57 kg



22) HEATING SYSTEM FOR ENGINE p/n 701017

- Heating power up to 9,1 kW - Fuel consumption 0,19 - 1,1 l/h 24V; 37-90 W - Voltage / Watt -40°C - + 80°C - Operating temperature

- Weight

- Additional Incl. timer for 3 starting times and temperature

pre-selection



ENGINE

(+ 11 lb)





23) 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.



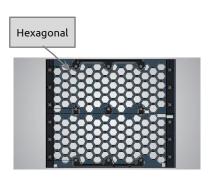


TECHNICAL SPECIFICATION - SCREEN CHOICE

24) SCREENS for TOP DECK of PRE-SCREEN

Punched plates

p/n	Dimensions	Thickness s=[mm]	Hard- ness
820030	Hexagonal 40 mm	25	HB 450
820031	Hexagonal 50 mm	25	HB 450
820032	Hexagonal 60 mm	25	HB 450
820033	Hexagonal 70 mm	25	HB 450
820034	Hexagonal 80 mm	25	HB 450
820035	Hexagonal 100 mm	25	HB 450
820036	Hexagonal 120 mm	25	HB 450



25) SCREENS for BOTTOM DECK of PRE-SCREEN

Square mesh

p/n	Dimensions
202681	15 x 15 x 3 mm
202682	20 x 20 x 4 mm
202677	22 x 22 x 4 mm
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
202879	50 x 50 x 8 mm



26) AFTER SCREEN (Option)

Square mesh

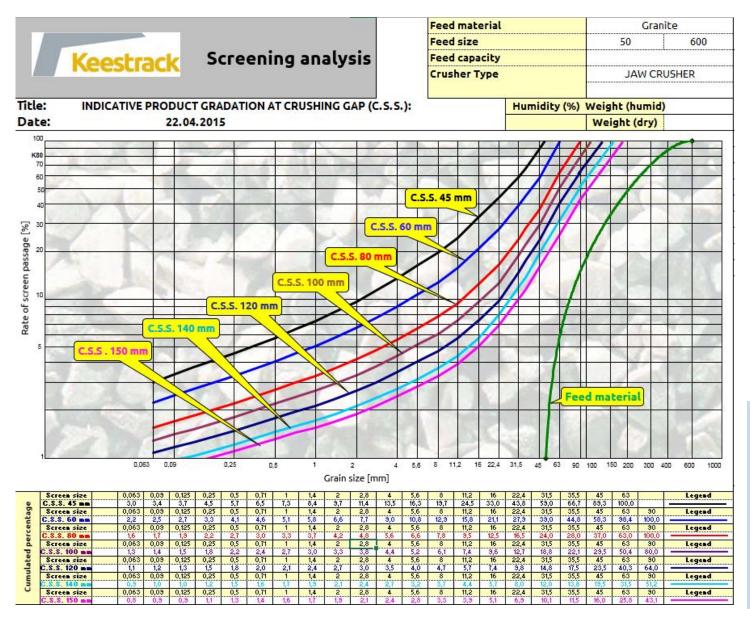
p/n	Dimensions
201995	40 x 40 x 8 mm
202449	45 x 45 x 8 mm
202143	50 x 50 x 8 mm
202256	55 x 55 x 8 mm
202058	60 x 60 x 8 mm
202647	70 x 70 x 8 mm
202833	80 x 80 x 8 mm
202903	90 x 90 x 10 mm







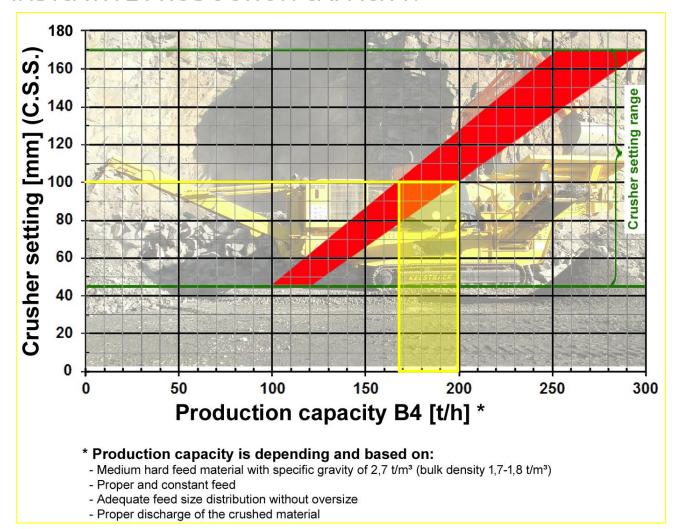
INDICATIVE PRODUCT GRADATION AT CRUSHING GAP (C.S.S.):







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