



JAW CRUSHER B4e





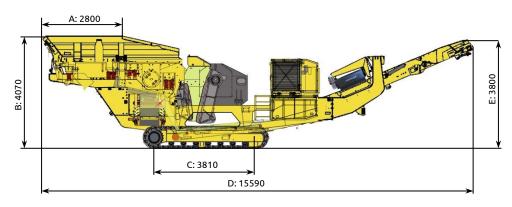


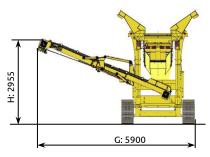


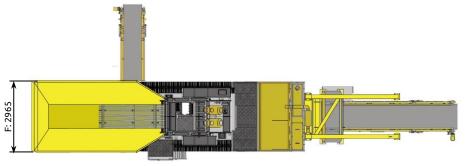


DIMENSIONS

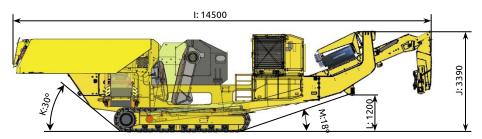
OPERATION:







TRANSPORT:



Weight: approx. 44 t (without options)

Weight options:
Magnetic separator lift able 1.500 kg
Hopper wear plates 478 kg
Conveyor pre-screening 1.120 kg

Transport width 2.700 mm (8'10")

DEMARK. All	-:		:		c I
REMARK: All	pictures might show	v obtions, no	ot included li	n the scope o	SUDDIV

Α	В	С	D	Е	F	G
2800	4070	3810	15590	3800	2965	5900
9'2"	13'4"	12'6"	51'3"	12'6"	9'9"	19'4"
Н	I	J	K	L	М	
2955	14500	3390	30°	1200	18°	
9'8"	47'7"	10'15"		3'11"		





1) FEED HOPPER

- Content 5 m³ (6,5 yard3)

- Design Wear resistant steel HB 450;

discharging chute rubber

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

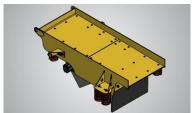
- Hopper walls hydraulically foldable for transport

2) VIBRATING FEEDER

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

700 - 1.000 R.P.M. variable speed





3) DOUBLE DECK PRE-SCREEN

- 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 (5'9" x 3'3")

- see list (end tensioned)

- Material flow (changeable with

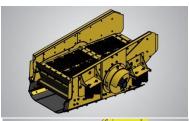
manually operated flap)

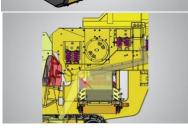
- fine fraction either in crusher bypass or separately stockpiled (with p/n 164021) - Intermediate fraction either in crusher

(lower deck bigger mesh than upper deck) or separately stockpiled (with option p/n (15 hp)

164021)

Hydraulic motor 11 kW; 700 - 1000 U/min





4) JAW CRUSHER

- Drive

- 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 $(1 \frac{3}{4})'' - 6 \frac{1}{3})''$

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

according to feeding material and jaw crusher

setting

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

- Stroke swing jaw 29 mm for hard stone; 32 mm for recycling 18.5 ton

- Weight of jaw crusher (20,4 st)(4'2") (2.480 lb)

- Plate height fixed jaw Toothed static jaw 1.325 mm; 1.125 kg

Material: 18Mn2Cr

- Plate height movable jaw Toothed swing jaw 1.835 mm; 1.326 kg (6') (2.923 lb)

Material: 18Mn2Cr

- Flywheel diameter 1.450 mm; 1.332 kg/pcs (4'9")(2937 lb)

- e Drive Electric motor 110 kW IE3; 4 pole p/n 880316

- REMARK Full hydraulic gap setting during operation!!!







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 11.400 mm (37'5") - 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

- Discharge to belt for increased belt service life under hard

working conditions

- Increasing clearance below the heavy duty rubber plates for discharge from p/n 164040

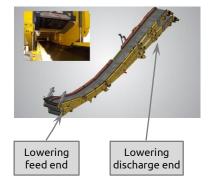
crusher to main belt conveyor

the feeding and discharge section can be

lowered hydraulically

- Inclination 7 - 22°

- © Drive Electric motor 11 kW (15 hp)
 - Transport Hydraulically foldable p/n 805032



6) TRACK - UNIT

crusher

- 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

- Drive Diesel / Electric

- Diesel Motor, Type JOHN DEERE 6.8 HF G 82 200 fixed speed p/n 141003

- Emission control Tier 3; EU STAGE IIIA

- Power ISO 14396 212 kW / 1.800 rpm - Max. torque 984 Nm at 1.400 R.P.M.

- Engine operating speed 1.750 R.P.M. for low noise emission

- Bore hole / stroke 106 x 127 - Combustion chamber 6.800 cm³

- Fuel consumption 215 g/kWh, typical 26 - 28 l/h **)

- Voltage 24 Volt (for improved cold start properties)

- Cooling water cooled

Fuel Tank 350 Litres; fuel code acc. to EN 590
 Air filter Cyclone pre filter – dual stage fine filter
 Drive crusher Engine → Alternator → electric motor
 → V-belt drive for crusher drive

- Hydraulic oil tank 200 Litres

e Drive Electric Alternator IP 23; 225 kVa; 50 Hz
 e Drive Electric motor for hydraulic pump 55 kW

- DROP-OFF UNIT lower service costs due to less dust emission

to filters; lower noise level at the machine;

perfect access for maintenance

- Plug out 16A; 400 V, 50 Hz; 3 phases + 16A; 220 V;

50 Hz; Optional other plug out connections

are possible

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.







DROP-OFF





8) CONTROL

- Type PLC – IP 67; dust and vibration proof

- Display LCD colour screen 7"- Operation Control panel

- Program N.S.S. NON STOP SYSTEM

- Controller Wired hand remote controller; or optional

Radio remote controller (see option list)

- Level sensor hydraulic Included; with low level protection

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

oil engine stops

- Diesel fuel tank level sensor First low level warning, then feeder stops,

then engine stops

- Cold start protection Below 0° C a warm-up is required

- Speed sensor for crusher Included

- Drive for fan 0,07 kW



- external plug-in Electric 400 V; 50 Hz; 300 A (ca. 200 kVA)



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.



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 204726

- Type CA 91 A

(1,0 hp)- Drive Electric motor 0,75 kW

- Water consumption Max. 0,75 m³/h

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

main conveyor

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



11) NEODYM MAGNETIC SEPARATOR p/n 679750

MAGNET OVERBAND 10 KT-ND 65-183, ELE - Type

MAGNET OVERBAND 10 KT-FE 65-183, ELE

700 mm

- Belt width 1.830 mm

- Belt length (AD) 1.070 x 600 x 215 mm - Magnet L x W 650 (500) GAUSS at 200 mm - Magnetic power E-drum motor 4 kW

- Drive 2 m/s (5,5 hp)

- Speed Hydraulic 150 up to 345 mm - Lift able and lower able ND: 760 kg; FE: 863 kg

- Weight Endless rubber belt KT Flex 400/1; 4+2,5; - Belt Grade RS; cleats vulcanized T 35 (40) mm Inside arranged bearings at drive and take up

> drum to avoid hanging-in of tramp iron. Bearings are lubricated for life time (50.000 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

- 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

13) WORKING LIGHTS

- Bearings

p/n 701006

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

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

4500 Lumen

IP69K - protection degree

- Weight 9 kg (20 lb)









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

 SCREENBOX
 48 SCR 100-00 (p/n 649950)

 - Width
 1.200 mm
 (3´11")

 - Length
 2.800 mm (without feeding tray)
 (9´2")

 - Drive
 Hydraulic 7,5 kW
 (10 hp)

- Tensioning system 2 screen nets, mechanically tensioned



OVERSIZE CONVEYOR 72 OSR 100-00E - Length AD 2.850 mm

 - Width BW
 500 mm
 (1'8")

 - Drive
 E-drum motor 2,2 kW
 (3 hp)

- Transport hydraulically fold-able



Length AD 10.010 mm (transport 6.500 mm) (32´10")
 Width BW 500 mm (1´8")
 Belt speed Adjustable; standard 1,15 m/s
 Inclination 25°

- Drive E-drum motor 5,5 kW

- 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´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°

- Stockpile volume

- For transport / service

- Drive E-drum motor 7,5 kW (10 hp)

Approx. 70 t (y=1,7; 37°) Hydraulically fold-able

- Weight + ca. 4.000 kg (4.800 lb)

15) PRE-SCREENING STOCKPILE CONVEYOR LEFT & RIGHT p/n 693170

 - 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

- Inclination 22°

- **e** Drive Electric motor 4 kW (5,44 hp)

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

- For transport Hydraulically foldable for transport

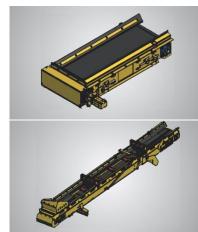
- Weight 1.120 kg (2.469 lb)





(9'4")

(7 hp)











16) FEED HOPPER WITH WEAR PLATES p/n 164019

- Wear plates set 8 mm HB 450, fitted in the feed hopper

- Weight 478 kg (1.054 lb)



17) CENTRAL GREASING SYSTEM p/n 101945

- Type Central greasing, 24 Volt DC

- Weight 6 kg (13 lb)

REMARK with adjustable lubrication intervals



18) FUEL FILLING PUMP p/n 701030

- Weight 10 kg (22 lb)

- 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



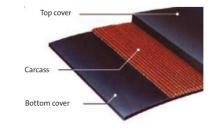
19) MAIN BELT CONVEYOR SPECIAL BELT p/n 164046

- 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.



20) 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.



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.







21) DEFLECTOR

Deflector plate for recycling application

(manually foldable)

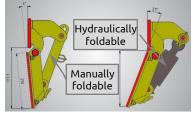
p/n 807570; with HB 450 wear plates; 94 kg

Deflector plate for recycling application

(hydraulically foldable)

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





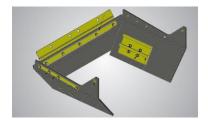
22) WEAR RESISTANT RUBBER DISCHARGE CHUTE p/n 805809

- Type Fixed rubber discharge chute

- Made off rubber

- Arrangement At the crusher discharge

(+120 lb) - Weight 57 kg



23) HEATING SYSTEM FOR ENGINE p/n 203460

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

- Weight 4,8 kg

- Additional Incl. timer for 3 starting times and temperature

pre-selection



ENGINE

(+ 11 lb)



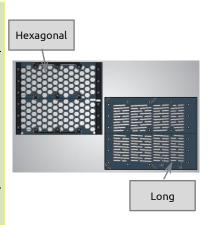


TECHNICAL SPECIFICATION - SCREENS

24) 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
608014+608015	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
645731+645733	Hexagonal 100 mm	15	HB 450



25) SCREENS for BOTTOM DECK of PRE-SCREEN

Square mesh

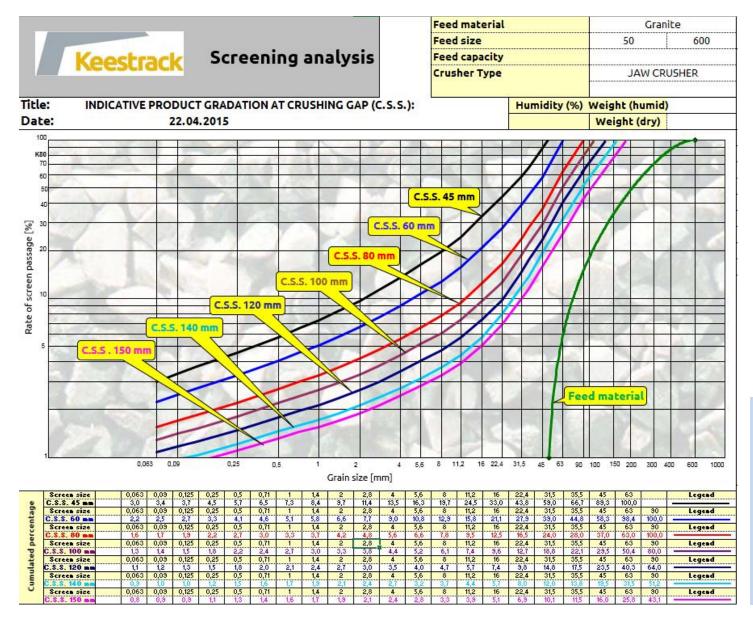
p/n	Dimensions
202746	10 x 10 x 3 mm
202680	12 x 12 x 3 mm
202681	15 x 15 x 3 mm
202682	20 x 20 x 4 mm
202677	22 x 22 x 4 mm
202683	25 x 25 x 5 mm
202684	30 x 30 x 5 mm
202700	35 x 35 x 7 mm
202793	40 x 40 x 8 mm
202879	50 x 50 x 8 mm







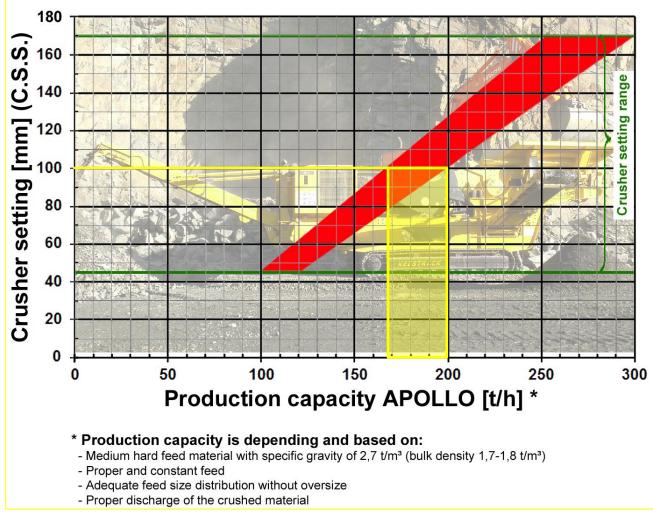
INDICATIVE PRODUCT GRADATION AT CRUSHING GAP (C.S.S.):







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/b. Considering the bulk weight of the material of 1.6 t/m³ (see TECHNICAL

will be between 168 and 200 t/h. Considering the bulk weight of the material of 1,6 t/m 3 (see TECHNICAL INFO Page 3), the production capacity will be between 168 / 1,6 = 105 m 3 /h and 200 / 1,6 = 125 m 3 /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