

# IMPACT CRUSHER R<sub>3</sub>

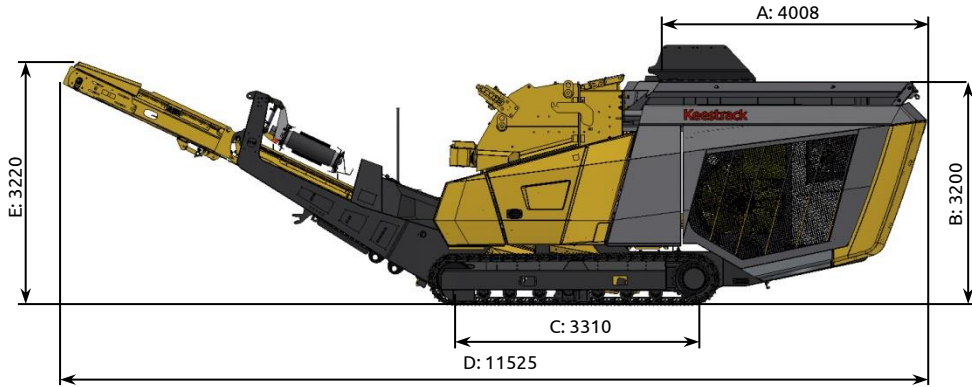


IMPACT CRUSHERS

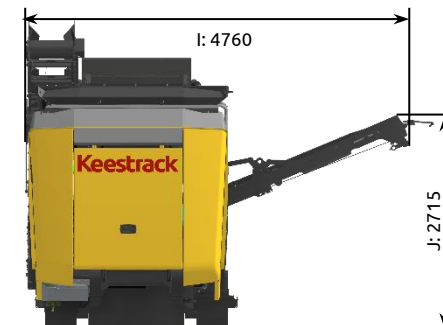
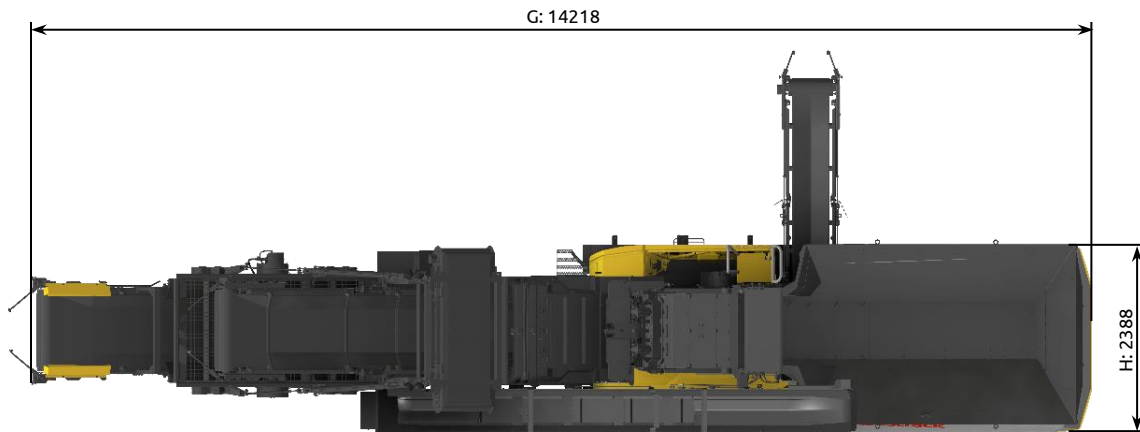


## DIMENSIONS

### WITHOUT SCREEN:



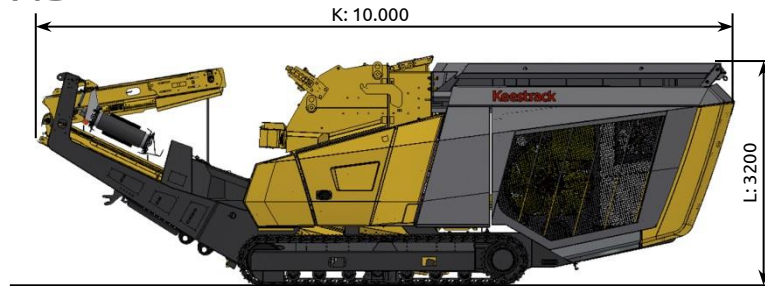
### WITH SCREEN:



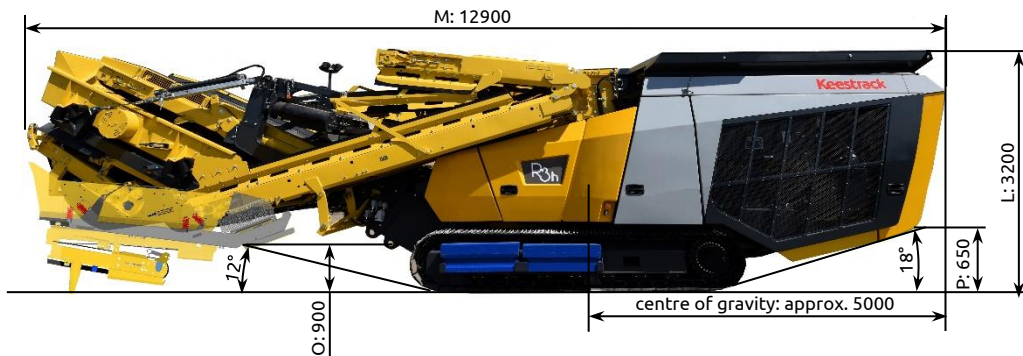
IMPACT CRUSHERS

# TRANSPORT DIMENSIONS

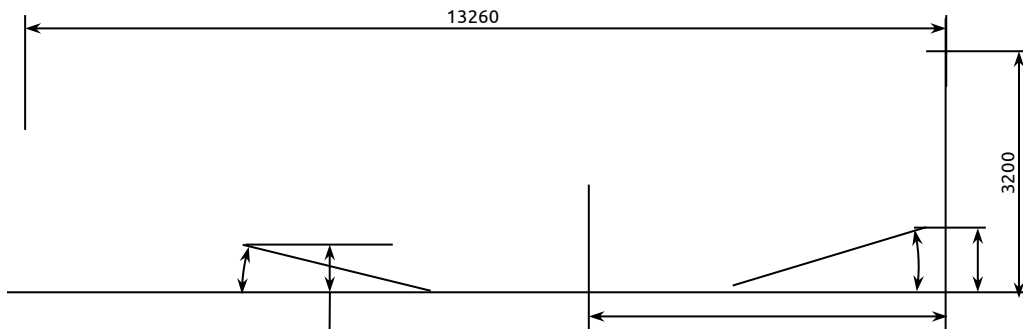
## TRANSPORT WITHOUT SCREEN:



## TRANSPORT WITH 1-DECK SCREEN:



## TRANSPORT WITH 2-DECK SCREEN:



### Weight: approx. 24,4 t (without options)

Weight options:	
Magnetic separator Fe	1.070 kg
After screen 1-Deck with RUB	3.700 kg
After screen 2-Deck with RUB	5.000 kg
Oversize stockpile conveyor	860 kg
Milling beam	830 kg
Conveyor pre-screening	730 kg
Air knife	100 kg

Transport width 1-Deck screen:	2.550 mm (8'4")
Transport width 2-Deck screen:	2.550 mm (8'4")

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

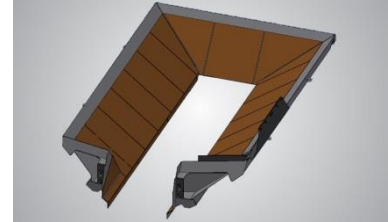
IMPACT CRUSHERS

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
4008	3200	3310	11525	3220	3126	14218	2388	4760	2715	10000	3200	12900	3100	900	650
13'1"	10'6"	10'10"	37'10"	10'6"	10'3"	46'8"	7'8"	15'7"	8'11"	32'10"	10'6"	42'4"	10'2"	2'3"	2'2"

## TECHNICAL SPECIFICATION

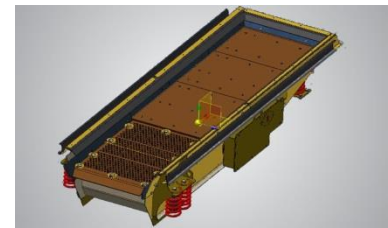
### 1) FEED HOPPER

- Type	49 FEH 100	
- Content	3,5 m <sup>3</sup>	(4,5 yard <sup>3</sup> )
- Design	Wear resistant steel HB 450 with welded wear lining HB 450 or 500 (bottom); s=4 mm	
- Feeding height	3.200 mm	(10'6")
- Feeding width	2.400 mm	(7'10")
- Feeding length	3.450 mm right side; 2.750 left side	(11'3"; 9'0")



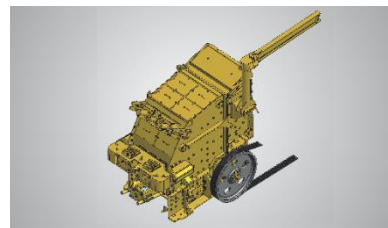
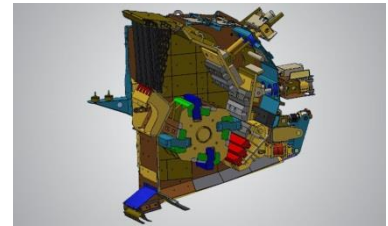
### 2) VIBRATING FEEDER with punched plate for pre-screen

- Type	49 FED 100-H	
- Total length	3.700 mm	(12'2")
- Width	920 mm	(3'0")
- Length pre-screen	1.200 mm (bolted from top side)	(3'11")
- Punched plate	Openings 15 up to 70 mm; hex. or Z-shaped aperture; (Blind plate p/n 689567)	(1"-3")
- Drive	Hydro motor 7,5 kW – Tooth belt; 800 – 1.050 R.P.M.	(10 hp)



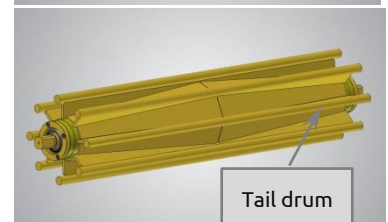
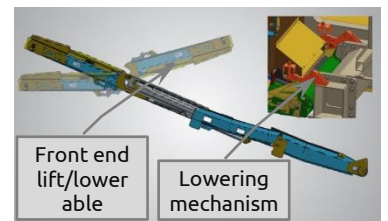
### 3) IMPACT CRUSHER

- Type	49 ICR 100-00 (housing made of HB 450)	
- Inlet opening	770 x 960 mm (H x W)	(2'6"x3'2")
- Weight impact crusher	approx. 8.450 kg (without milling beam)	
- Rotor width	920 mm	(3'0")
- Rotor diameter	1.100 mm	(3'8")
- Drive	Direct via elastic coupling, transmission gear, Turbo clutch and V-belts	
- Blow bars	2 pcs. each 240 kg + 2 pcs. each 189 kg	
- Rotor speed	591 R.P.M. (31,8 m/s @ 1.500 R.P.M.) up to 709 R.P.M. (38,2 m/s @ 1.800 R.P.M.)	
- Pulley diameter	Rotor 825 mm; engine 335 mm	
- Weight rotor	approx. 3.200 kg (without bearings)	
- Throughput capacity	60 up to 250 t/h	
- Impact aprons	2 pcs. (milling beam optionally possible)	
- Gap upper apron	(new tools) 10 / 270 mm; Dodging max. 380 mm	
- Gap lower apron	(new tools) -50 / 180 mm; Dodging max. 180 mm	
- OPTION (without hoist)	Swivelling arm for hoist; p/n 648200	



### 4) MAIN BELT CONVEYOR

- Type	49 MPC 100-00-H (KT-Flex)	
- Discharge height	3.220 mm	(10'6")
- Stockpile volume	approx. 85 t; $\gamma=1,7$ ; 37° angle of repose	
- Length AD	8.100 mm	(26'7")
- Width BW	1.000 mm	(3'3")
- Belt speed - inclination	1,6 m/s - 25°	
- Drive	Hydraulic motor 15 kW	(20 hp)
- Tail drum	Rod drum for avoiding material jamming with inside maintenance free bearings	
- Rubber belt quality	KT-Flex 630/1 6+3 RS	
- Service	Lower able mechanically to change the belt Front end hydraulically lift- and lower able	





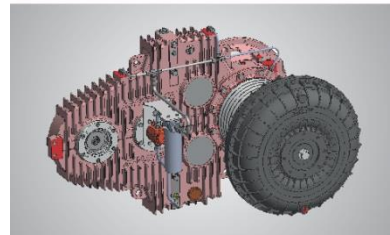
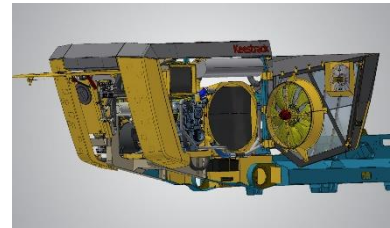
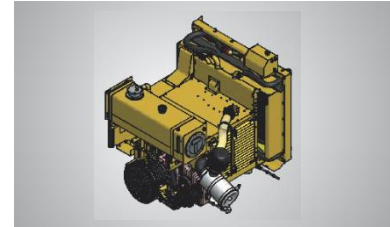
## TECHNICAL SPECIFICATION

### 5) ENGINE UNIT

EU = Europe / US = United States  
REM = ROW - Rest of World (except China and India)

**Legend:**  
(a) = actual; (s) = standard; (o) = optional

- Type	49 ENU-100-00H; Diesel / Hydraulic	
- Diesel Motor, Type	a) VOLVO TAD 873 VE (US) - (a) b) CUMMINS B 6.7 (EU + US) - (s) c) CUMMINS B 6.7 (REM) - (s)	p/n 101372AC p/n P000032 p/n .....
- Emission control	a) Tier 4f; EU STAGE IV; DOC b) Tier 4f; EU Stage V; DOC / SCR / DPF c) Tier 3; EU STAGE IIIA	
- Power ISO 14396	a) 235 kW @ 1.800 R.P.M. b) 202 kW @ 1.500 R.P.M.; 222 kW @ 1.800 R.P.M. c) 202 kW @ 1.500 R.P.M.; 222 kW @ 1.800 R.P.M.	(320 hp) (275 / 302 hp) (275 / 302 hp)
- Max. torque	a) 1.310 Nm @ 1.400 R.P.M. b + c) 1.288 Nm @ 1.500 R.P.M.	(966 lb ft) (950 lb ft)
- Motor revolution	1.500 R.P.M. up to 2.000 R.P.M.	
- Bore hole / stroke	a) 110 x 135 mm; b + c) 107 x 124 mm	
- Combustion chamber	a) 7.700 cm <sup>3</sup> ; b + c) 6.700 cm <sup>3</sup>	(409 – 469 cuin)
- Diesel consumption	a) 195 g/kWh, typical 22 - 25 l/h **)	
- Voltage	24 Volt (for improved cold start properties)	
- Cooling	Combi cooler (water, air) with fan ø 1.100 mm, max. 1.300 R.P.M. for low noise emission (100 LWA@1.000 R.P.M.); can be cleaned from both sides; fan can be swivelled out Separate cooler for hydraulic; (for cleaning purpose fold-out easily; fan can be swivelled out) with fan ø 550 mm, max. 2.300 R.P.M.	
- Fuel	Tank 400 Litres stainless steel; acc. to EN 590	(105 gal)
- Air filter	Cyclone pre-filter + dual stage fine filter	
- Drive crusher	Engine → power transmission gear → Turbo clutch → V-belt drive for crusher direct drive	
- Power transmission	Flange with elastic clutch for damping engine vibrations; Flange for hydraulic pump 45 kW (track drive i=1:1,2); Switchable toothed clutch (for emergency and service only), V-belt pulley and Turbo clutch; Pump with oil filter for lubrication of gear	
- Oil tank	75 Litres	(20 gal)
- Hydraulic drives	LOAD SENSE pump 130 ccm with PVG + gear pump 35 ccm	



### ATTENTION

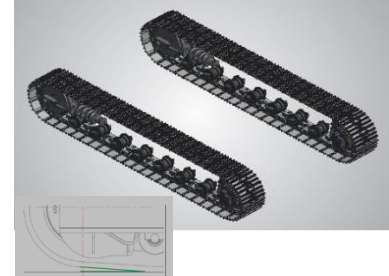
*Engine warranty expires in case non genuine  
Keestrack filters are used!*

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

## TECHNICAL SPECIFICATION

### 6) TRACK - UNIT

- Type	49 TRA 100-00	
- Length	3.310 mm (drive and take-up pinion raised)	(10'10")
- Width track shoe	400 mm	(1'4")
- Total width	2.300 mm	(7'7")
- 2 speeds	1,1 km/h and 2 km/h	(0,7/1,2 mph)
- Drive	Hydraulic piston pump and planetary gears	



### 7) CONTROL

- Type	PLC – IP 67; dust and vibration proof
- Display	LCD screen 7"
- Operation	Control panel with Key pad, 12 buttons
- Controller	Wired hand remote controller; or optional Radio remote controller (see option list)
- Temperature control of hydraulic oil	> 83° C protection; first feeder stops, later 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 rotor	Included



## TECHNICAL SPECIFICATION - OPTIONS

### 8) DUST SUPPRESSION SYSTEM p/n X108633

- Type	49 WAS 1000-H
- Spraying area	Crusher inlet and outlet, MPC, FCO, RSC
- Drive	Hydraulic motor 1,1 kW
- Water consumption	max. 0,75 m³/h
- Filter	5/4"
- Weight	31 kg

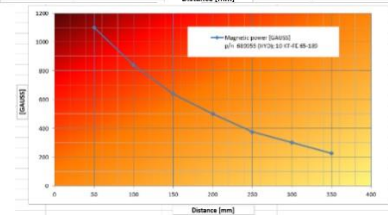
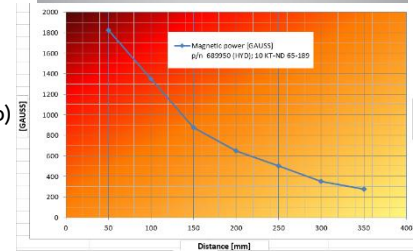
Water pump  
(1,5 hp)  
  
(68 lb)



### 9) NEODYM MAGNETIC SEPARATOR p/n X102661 (or FERRIT p/n X102660)

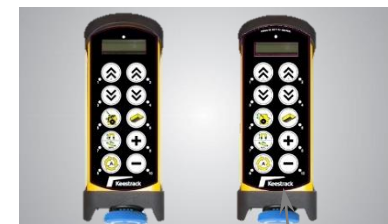
- Type	ND: MAGNET OVERBAND 10 KT-ND 65-183, HYD FE: MAGNET OVERBAND 10 KT-FE 65-183, HYD
- Belt width	700 mm
- Belt length (AD)	1.830 mm
- Magnet L x W	1.070 x 600 x 215 mm
- Magnetic power	650 (500) GAUSS at 200 mm
- Drive	Hydraulic motor 4 kW
- Speed	2,0 m/s
- Lift able and lower able	Hydraulic 150 up to 345 mm
- Weight	ND: 890 kg; FE: 1.070 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 (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

(5,5 hp)  
  
(1.962/2.360 lb)



### 10) RADIO REMOTE CONTROL – Level 2

- Order no.	Remote 100452 (433 MHz for Europe); 100981 (915 MHz for Indonesia, China, USA)
	Sticker 205665
- Functions	<ul style="list-style-type: none"> <li>- Tracks forwards / backwards; fast /slow</li> <li>- Inlet opening up / down</li> <li>- Vibrating feeder start / stop and + / - proportional</li> <li>- Magnetic separator up / down</li> <li>- MPC start / stop and + / - (only R3h)</li> <li>- Automatic start / stop</li> <li>- Machine stop button (blue)</li> <li>- Display</li> </ul>



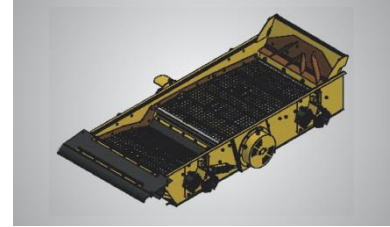
p/n 205665

## TECHNICAL SPECIFICATION - OPTIONS

### 11) BUILT ON 1-DECK SCREEN with OSR, RUB, FCO p/n 649691

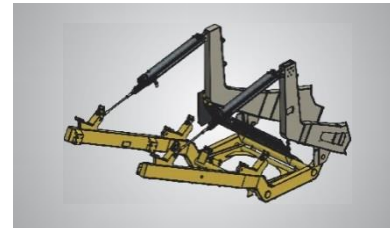
#### SCREENBOX

	<b>49 SCR 100-00 (p/n X105295)</b>	
- Width	1.400 mm	(4'8")
- Length	3.100 mm (without feeding tray)	(10'2")
- Drive	Hydraulic 7,5 kW	(10 hp)
- Tensioning system	2 screen nets, mechanically tensioned	
- p/n 649700	Frame for secondary screening unit	



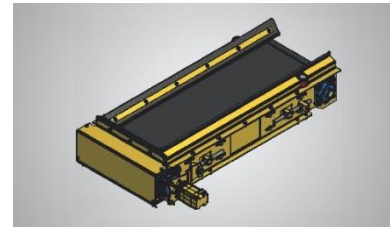
#### OVERSIZE CONVEYOR

	<b>49 OSR 100-00-H (p/n X115653)</b>	
- Length AD	1.500 mm	(4'11")
- Width BW	500 mm	(1'8")
- Drive	Hydraulic motor 4 kW	(5 hp)



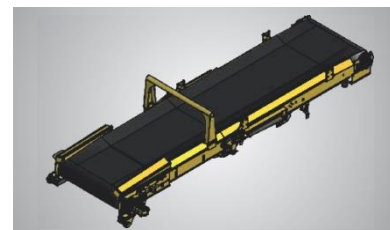
#### RECYCLING CONVEYOR

	<b>49 RUB 100-00-H (p/n X115671)</b>	
- Length AD	6.500 mm	(21'4")
- Width BW	500 mm	(1'8")
- Belt speed	Adjustable; standard 1,15 m/s	
- Drive	Hydraulic motor 5,5 kW	(7,5 hp)
- Rubber belt	Steep inclination belt (Chevron)	
- For transport	Hydraulically fold-able	



#### FINES CONVEYOR

	<b>49 FCO 100-00-H (p/n X115619)</b>	
- Length AD	4.200 mm	(13'9")
- Width BW	1.000 mm	(3'3")
- Discharge height	3.100 mm	(10'2")
- Belt speed	1,6 m/s	
- Inclination	25°	
- Drive	Hydraulic motor 7,5 kW	(10 hp)
- Stockpile volume	Approx. 70 t (y=1,7; 37°)	
- For transport / service	Hydraulically fold-able	



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## TECHNICAL SPECIFICATION - OPTIONS

### 12) BUILT ON 2-DECK SCREEN with OSR, RUB, FCO, RSL

p/n .....

#### SCREENBOX

#### 49 SCR 100-00 (p/n .....)

- Width	1.400 mm	(4'8")
- Length	3.100 mm (without feeding tray)	(10'2")
- Drive	Hydraulic motor 7,5 kW	(10 hp)
- Tensioning system	TD = 3 screen nets, side tensioned; Step = 120 mm	(5")
	BD = 2 screen nets, end tensioned; Step = 70 mm	(3")
	(screens from 1-Deck screen are fitting)	
- Including	Frame for secondary screening unit	
- MCL	+ 800 mm	(2'8")
	(this is the reason that standard R3 can not be fitted with 2-Deck screen!)	

#### OVERSIZE CONVEYOR

#### 49 OSR 100-00-H (p/n X115653)

- Length AD	1.500 mm	(4'11")
- Width BW	500 mm	(1'8")
- Drive	Hydraulic motor 4 kW	(5 hp)

#### RECYCLING CONVEYOR

#### 49 RUB 100-00-H (p/n X115671)

- Length AD	6.500 mm	(21'4")
- Width BW	500 mm	(1'8")
- Belt speed	Adjustable; standard 1,15 m/s	
- Drive	Hydraulic motor 5,5 kW	(7,5 hp)
- Rubber belt	Steep inclination belt (Chevron)	
- For transport	Hydraulically fold-able	

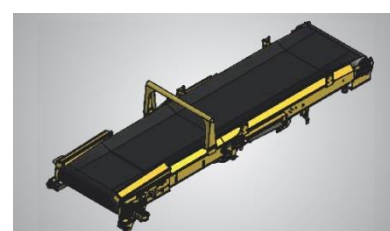
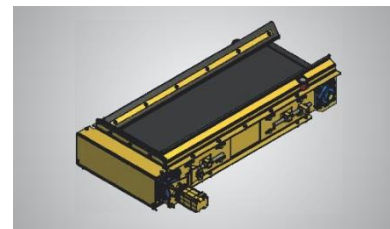
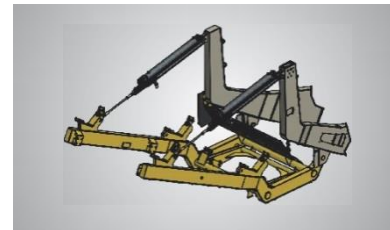
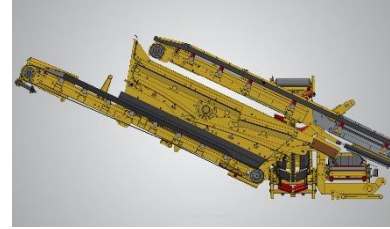
#### FINES CONVEYOR

#### 49 FCO 100-00-H (p/n X115619)

- Length AD	4.200 mm	(13'9")
- Width BW	1.000 mm	(3'3")
- Discharge height	3.260 mm	(10'8")
- Belt speed	1,6 m/s	
- Inclination	25°	
- Drive	Hydraulic motor 7,5 kW	(10 hp)
- Stockpile volume	Approx. 110 t ( $\gamma=1,7; 37^\circ$ )	
- For transport / service	Hydraulically fold-able	

#### CONVEYOR FOR INTERMEDIATE FRACTION

- Length AD	6.000 mm	(19'8")
- Width BW	500 mm	(1'8")
- Discharge height	3.036 mm	(10')
- Belt speed	1,6 m/s	
- Inclination	25°	
- Drive	Hydraulic motor 4 kW	
- Stockpile volume	Approx. 85 t ( $\gamma=1,7; 37^\circ$ )	
- For transport / service	Hydraulically fold-able	

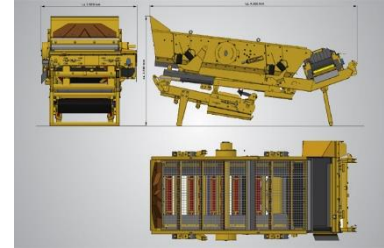


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## TECHNICAL SPECIFICATION - OPTIONS

### 13) SEPARATE TRANSPORT FOR AFTERSCREEN

- Length	4.300 mm	(14'1")
- Width	2.000 mm	(6'7")
- Height	2.200 mm	(7'3")
- Weight	2.900 kg	(6.393 lb)



### 14) OVERSIZE STOCKPILE CONVEYOR RIGHT SIDE p/n X115615

- Type	49 RSF-100-00H	
- Length AD	4.400 mm	(14'5")
- Width BW	500 mm	(1'8")
- Discharge height	2.520 mm	(8'3")
- Belt speed	1,5 m/s	
- Inclination	21°	
- Drive	Hydraulic motor 4 kW	(5,5 hp)
- Stockpile volume	Approx. 50 t (y=1,7; 37°)	
- Weight	860 kg	(1.900 lb)
- For transport	disassembled	



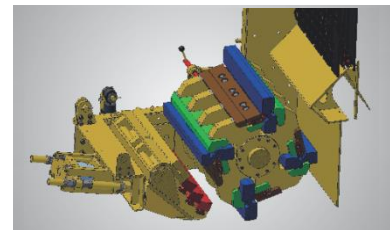
### 15) PRE-SCREENING STOCKPILE CONVEYOR RIGHT SIDE p/n X115531

- Type	49 RSC 100-00-H	
- Length AD	3.900 mm	(12'10")
- Width BW	500 mm	(1'8")
- Discharge height	2.715 mm	(8'11")
- Belt speed	1,5 m/s	
- Inclination	22°	
- Drive	Hydraulic motor 5,5 kW	(7,5 hp)
- Stockpile volume	Approx. 55 t (y=1,7; 37°)	
- For transport	hydraulically fold-able	
- p/n 649995	chute for RSC	



### 16) MILLING BEAM p/n X106748

- Type	49 ICR 100-10-00	
- Application	For increasing fine material percentage and reducing oversize percentage	
- Design	3 rows of inserted liners and one screwed plate; with special spring pre-stressed	
- Horizontal setting	Mechanically via distance pieces (3 x 25 mm)	(3x1")
- Swivelling setting	Mechanically via spindles	
- Upper gap	Max. 50 mm with new blow bars and liners	(2")
- Lower gap	Max. 50 mm with new blow bars and liners	(2")

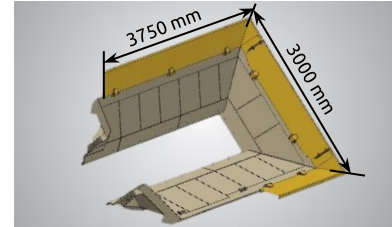


- Remark *For crushing of reinforced material, the milling beam has to be disassembled*

## TECHNICAL SPECIFICATION - OPTIONS

### 17) HOPPER EXTENSIONS

p/n X139023	Hopper extensions left and back side, foldable	
p/n X138127	Hopper extensions left + back + right side, foldable	
- Hopper walls	Height + 440 mm	(1'5")
- Feeding height	3.500 mm	(11'6")
- For transport	manually folded inside	
- Weight p/n 139023	99 kg	(218 lb)
- Weight p/n 138127	185 kg	(408 lb)



### 18) PRE-SCREEN

- Punched plates s=15 mm; HB 500	p/n 679010: aperture 38 mm HEXAGONAL p/n 689581: aperture 40 mm HEXAGONAL p/n 689577: aperture 45 mm HEXAGONAL p/n 689569: aperture 55 mm HEXAGONAL p/n 689578: aperture 70 mm HEXAGONAL p/n X111293: aperture 10 mm Z-shaped p/n 689566: aperture 15 mm Z-shaped p/n 699960: aperture 20 mm Z-shaped p/n 689568: aperture 25 mm Z-shaped p/n 689576: aperture 30 mm Z-shaped p/n X103959: aperture 40 mm Z-shaped p/n 689567: blind plate
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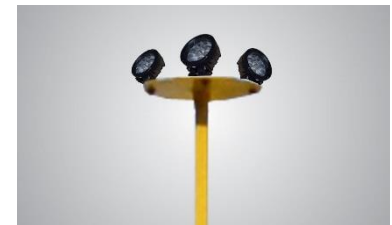
Pre-screen plate; HB 450      p/n X103959: aperture 40 mm ZIG-ZAG



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### 19) WORKING LIGHTS

- Tower with 4 lamps	p/n 701006 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) FUEL FILLING PUMP p/n 701030

- with automatic stop	p/n 701030	
- Weight	10 kg	(22 lb)
- Model	F 80-24-1"	
- Capacity	80 l/min	
- Filter	3 micron with water absorbant media	
- Suction hose	¾" 1,5 m long	
- Drive	On board-electric 24 V DC	



## TECHNICAL SPECIFICATION - OPTIONS

### 21) CENTRAL GREASING SYSTEM incl. AFTERSCREEN p/n 102946

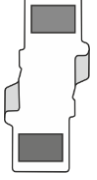


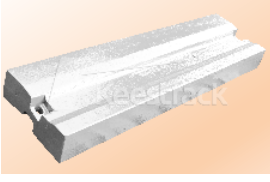





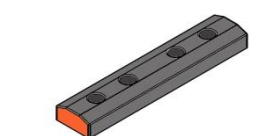



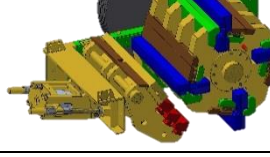
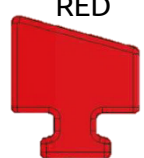
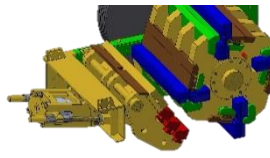
- Cycle time	Adjustable	
- Drive	On board electric, 24 V DC	
- Weight	6 kg	(13 lb)





## TECHNICAL SPECIFICATION - OPTIONS

### 22) BLOW BARS AND APRON LINER

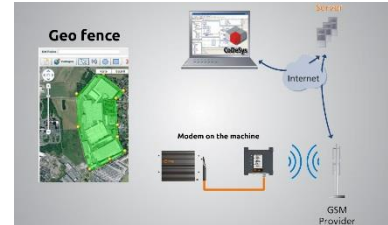
p/n	Material	Colour	Ca. Hardness [HRC] *)	Weight [kg/pcs.]** )	Applications	Picture
X114977W	Martensitic + Master ceramic 940 x 320 mm (Inlay extra high)	WHITE 	54 - 58	240	Feed size < 500 mm; concrete with medium reinforcements of steel	
X114978W	Martensitic + Ceramic inlay 940 x 280 mm	WHITE 	54 - 58	200	Feed size < 500 mm; concrete with medium reinforcements of steel	
X116366	High Chrome + ceramic	RED 	60 - 65	240	Asphalt, secondary crushing, feed size < 150 mm	
100873	Apron liner High Manganese Mn20Cr3	GREEN 		109	Concrete with reinforcement	
101438	Apron liner Medium Chrome	ORANGE 	55 - 60	109	Asphalt, secondary crushing, feed size < 150 mm	
P001432	Apron liner Bimetallic casting 25CR Mn		> 60	109	concrete with reinforcement	
103532	3. Impact panel (milling beam liner) Mangan 18	GREEN 		68		
102890	3. Impact panel (milling beam) High Chrome 27	RED 		68	without reinforcement	

## TECHNICAL SPECIFICATION - OPTIONS

### 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.
  - SIM Card integrated, for 1 year free of charge



### 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:

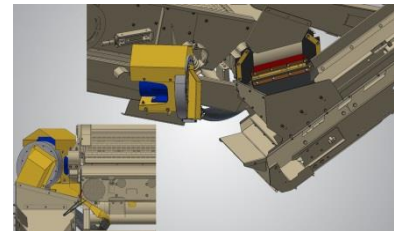
- Location data of the machine
- Machine usage data (such as: performance of the engine and other functions)

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.

### 24) WINDSIFTING for OVERSIZE FRACTION (AIR KNIFE) p/n X115634

- Type 49WIS100-00H
- Fan diameter 400 mm (1'4")
- Installed power Hydraulic motor 11 kW; max. 5.910 R.P.M. (15 hp)
- Hoses 2 pieces dia. 114 mm
- Air volume 38 m³/min @ 10.180 Pa
- Weight 92 kg (200 lb)
- Transport whole unit can stay on machine for transport (rubber curtain below nozzle removable by unfixing 1 pin)



### 25) VOLUMETRIC BELT SCALE p/n 103898

- Calibration The calibration of the system is only one time and only takes a few seconds.
- Sensors The Sensor operates without any contact to the material and therefore has no wear. It is insensitive against dust and vibrations.
- Belt speed The belt speed is measured using an inductive switch mounted on the drive drum.
- Data transfer Wireless data transmission via Bluetooth to a handheld PDA with various operation functions:
  - client - date/time
  - operator - location
  - material - print options
  - connection to lap/desktop using a USB cable
 Charger unit that allows both 12/24 V charging  
 Integrated thermal printer  
 Protective carry case
- Weight + 51 kg (112 lb)
- Transport manually fold-able



IMPACT CRUSHERS

## TECHNICAL SPECIFICATION – SCREEN CHOICE

### 26) SCREENS FOR TOP DECK – 2-DECK AFTERSCREEN

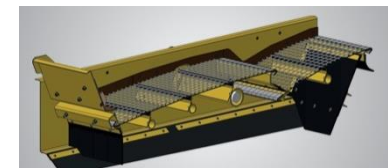
#### WOVEN WIRE MESH

p/n	Description

### 27) SCREENS FOR BOTTOM DECK – 2-DECK AFTERSCREEN

#### WOVEN WIRE MESH

p/n	Description
202979	10 x 10 x 2,5 mm
202971	15 x 15 x 3 mm
202980	18 x 18 x 4 mm
202981	20 x 20 x 4 mm
202982	22 x 22 x 4 mm
202972	25 x 25 x 5 mm
202983	28 x 28 x 5 mm
202984	30 x 30 x 5 mm
202985	32 x 32 x 6 mm
202974	35 x 35 x 7 mm
P200375	38 x 38 x 7 mm
202986	40 x 40 x 8 mm
202973	45 x 45 x 8 mm
202987	50 x 50 x 8 mm
202988	55 x 55 x 8 mm
202989	60 x 60 x 8 mm
202975	70 x 70 x 10 mm
202990	80 x 80 x 10 mm



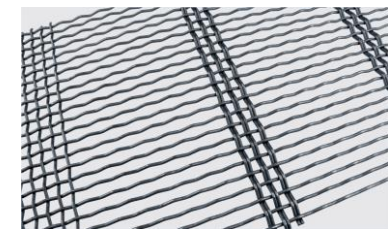
IMPACT CRUSHERS

#### ELONGATED HARP SCREEN

Advantages:

- high percentage of open screening area
- less danger of clogging

p/n	Description
202991	4 x 200 x 1,2 mm
202992	10 x 200 x 2,5 mm



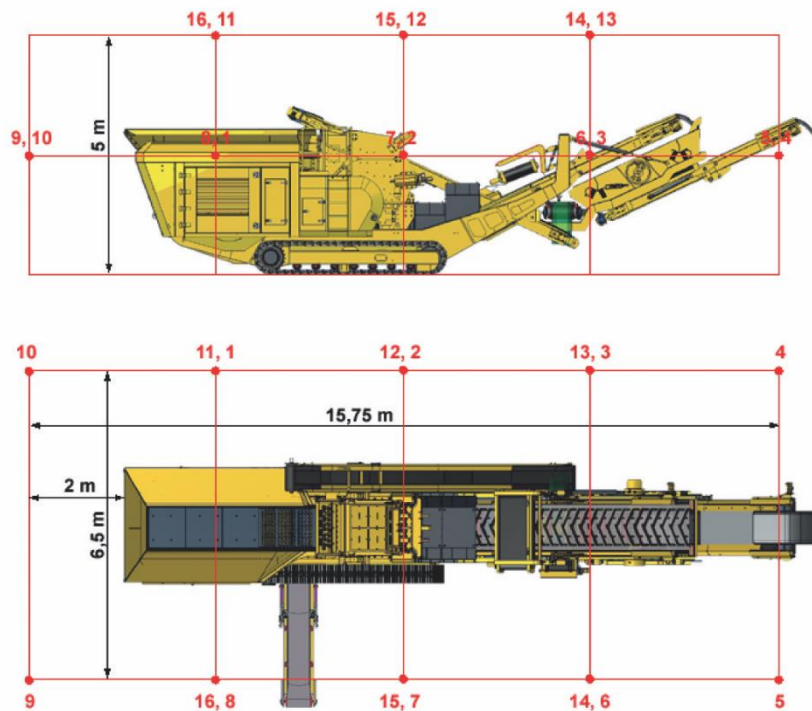
# DECLARATION NOISE EMISSIONS

Abteilung Lärmschutz  
*(A. Pambolzer)*



MEASURING POINT	L <sub>A,eq</sub> (DB) without after screen	L <sub>A,eq</sub> (DB) with after screen
1	88,6	92,0
2	81,1	86,3
3	73,4	83,1
4	65,9	81,6
5	64,3	82,3
6	69,3	81,5
7	76,8	82,4
8	84,4	87,2
9	81,5	83,8
10	84,4	86,5
11	80,1	83,4
12	75,3	79,8
13	69,4	79,7
14	70,0	79,5
15	73,8	80,1
16	76,5	81,9
Summary L <sub>pFA</sub> [DB]	<b>80,6</b>	<b>84,4</b>
Summary L <sub>WA</sub> [DB]	<b>105,7</b>	<b>109,9</b>

IMPACT CRUSHERS





# IMPACT CRUSHER R5

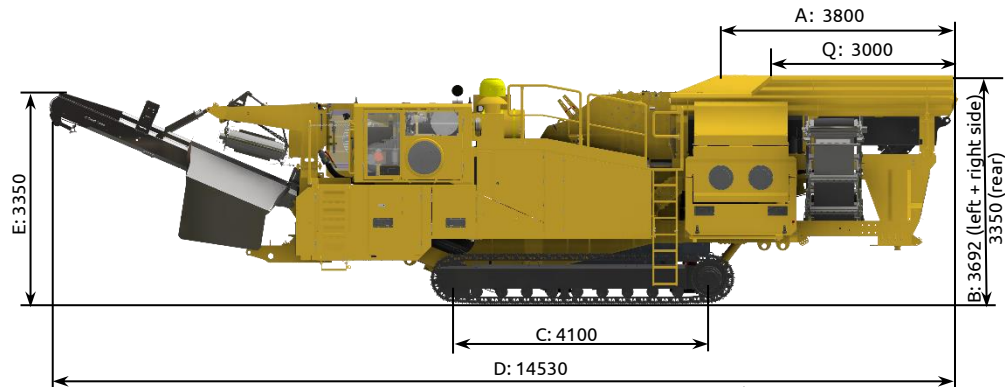


IMPACT CRUSHERS

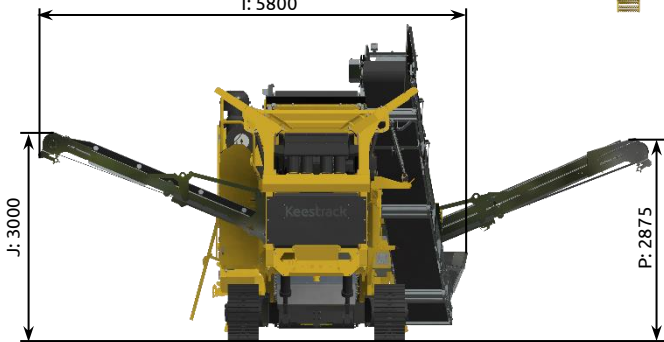
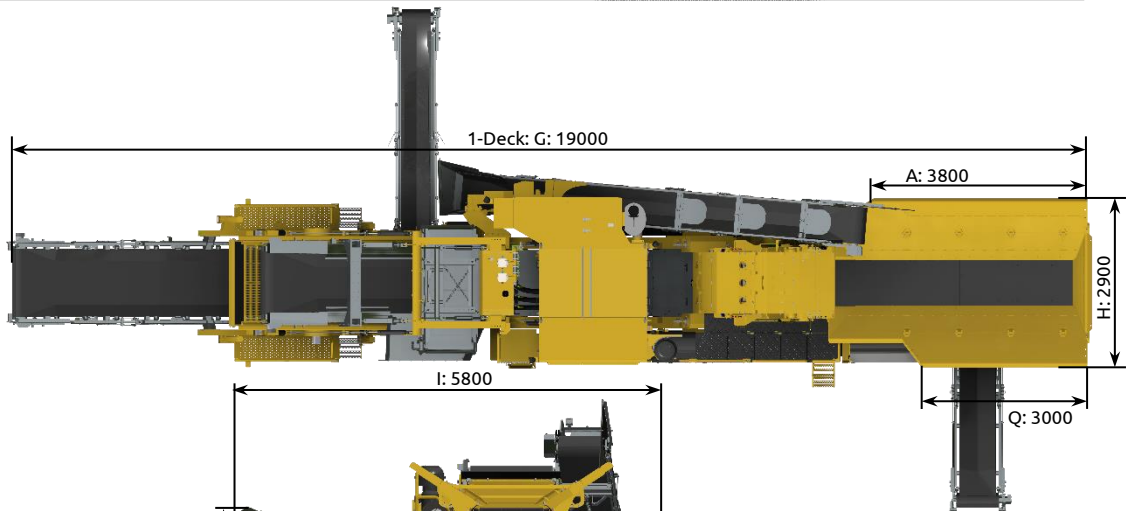


# DIMENSIONS

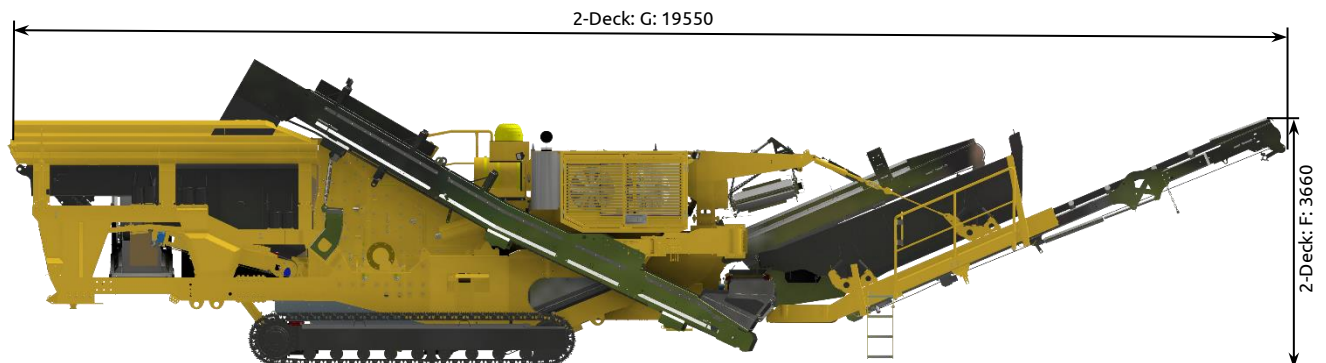
**WITHOUT SCREEN:**



**WITH 1-DECK SCREEN:**



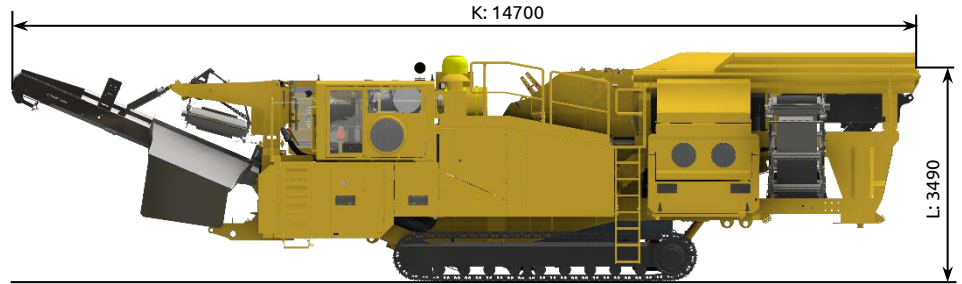
**WITH 2-DECK SCREEN**



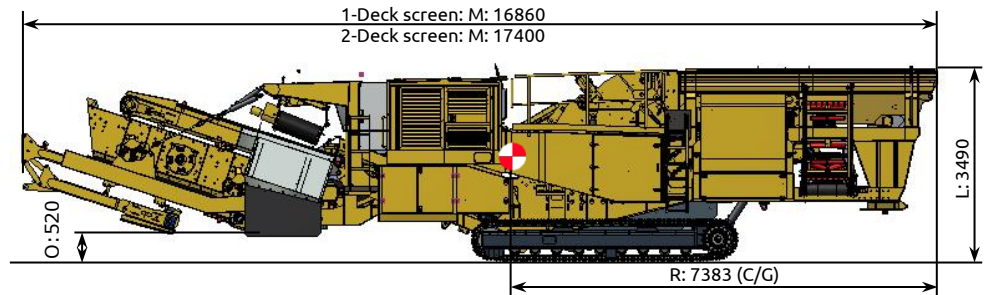
IMPACT CRUSHERS

## TRANSPORT DIMENSIONS

**TRANSPORT WITHOUT SCREEN:**



**TRANSPORT WITH SCREEN:**



**Weight: Approx. 42 t (without options)**

Weight options:

Magnetic separator	1.146 kg
1-Deck screen	3.500 kg
2-Deck screen	4.500 kg
Oversize return conveyor	1.000 kg
Milling beam	1.000 kg
Conveyor pre-screening	820 kg

**Transport width 3.000 mm (9'10")**

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

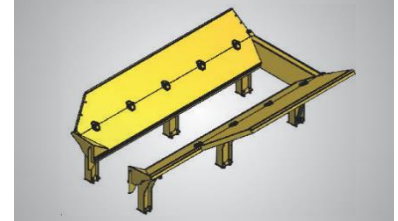
A	B	C	D	E	F (1-Deck)	F (2-Deck)	G (1-Deck)	G (2-Deck)	H	I
3800	3692	4100	14530	3350	3500	3660	19000	19550	2900	5800
12'5"	12'1"	13'5"	47'8"	11'0"	11'6"	12'	62'4"	64'2"	9'6"	19'0"
J	K	L	M (1-Deck)	M (2-Deck)	N	O	P	Q	R (C/G)	
3000	14700	3490	16860	17400	4000	520	2875	3000	7383	
9'10"	48'3"	11'5"	55'4"	57'1"	13'1"	1'8"	9'5"	9'10"	24'3"	



## TECHNICAL SPECIFICATION

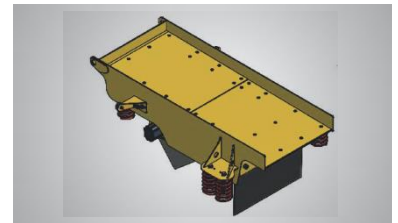
### 1) FEED HOPPER

- Type	52 FEH 100-00	
- Content	5 m <sup>3</sup>	(6,25 yard <sup>3</sup> )
- Wear lining	Wear resistant steel HB 500 (RUB discharge + bottom; 10 mm); Top: HB 450; 6 mm	
- Hopper Walls	Left and right hydraulic folding	
- Feeding height	3.692 mm right + left side; 3.350 mm rear	(12'1";10'12")
- Feeding width	2.900 mm	(9'6")
- Feeding length	Left 3.000; right 3.800 mm	(9'10"; 12'6")



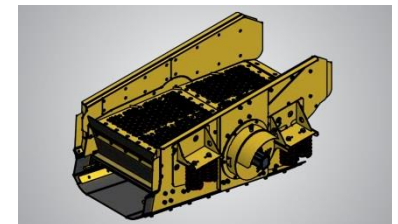
### 2) VIBRATING FEEDER

- Type	52VIF100-00	
- Length	2.000 mm	(6'7")
- Width	1.000 mm	(3'3")
- Drive	Hydro motor 11 kW; 600 – 900 R.P.M.	(15 hp)
- Capacity	Up to 400 t/h	



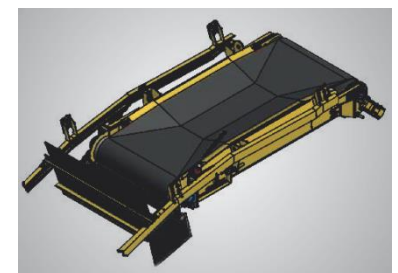
### 3) DOUBLE DECK PRE-SCREEN

- Type	52 SCS 100-00	
- Length	2.200 mm	(7'3")
- Width	1.000 mm	(3'3")
- Top deck 2 step Punched plate	Hexagonal or long apertures 20 - 100 mm; s=15-20 mm	(3/4"-4")
- Bottom deck	1.750 x 1.000 mm with square mesh of choice (end tensioned)	(5'7" x 3'3")
- Material flow	- fine fraction either in crusher bypass or separately stockpiled (with p/n 665600) - Intermediate fraction either in crusher bypass (lower deck bigger mesh than upper deck) or separately stockpiled (with option p/n 665500)	
- Drive	Hydro motor 15 kW; 900 – 1020 R.P.M.	(20 hp)



### 4) UNDERSCREEN CONVEYOR - GALVANIZED

- Type	52 REC 200-00-H	
- Length	2.000 mm	(6'6")
- Width	800 mm	(2'6")
- Speed	1,35 m/s	
- Max. capacity	150 t/h	
- Drive	5 kW hydraulic motor reversible	(7,5 hp)
- Reversible belt	To feed the pre-screened material under the crusher in bypass or to the side conveyor	
- Ease of service	The conveyor can slide out for ease of service purposes.	

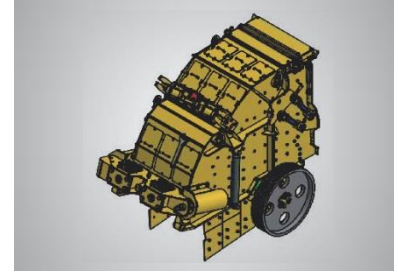




## TECHNICAL SPECIFICATION

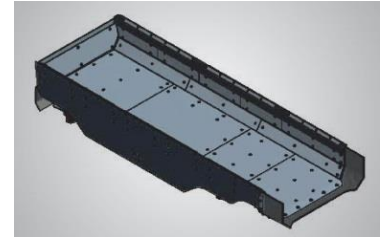
### 5) IMPACT CRUSHER

- Type	52 ICR 200-00	
- Inlet opening	800 x 1.050 mm (H x W)	(2'7" x 3'5")
- Weight impact crusher	Approx. 12.500 kg (without milling beam)	(26.250 lb)
- Rotor width	1.000 mm	(3'4")
- Rotor diameter	1.260 mm	(4'2")
- Drive	Direct via elastic clutch, transmission gear, Turbo clutch and V-belts	
- Blow bars	2 pcs. each 286 kg + 2 pcs. each 204 kg	(600 + 450 lb)
- Rotor speed	443 RPM (29,2 m/s @ 1.500 R.P.M) 532 RPM (35,1 m/s @ 1.800 R.P.M)	
- Pulley diameter	Rotor 1.100 mm; motor 335 mm	(3'7"; 1'1")
- Weight rotor	Approx. 5.100 kg (without bearings)	(10.700 lb)
- Throughput capacity	85 up to 350 t/h	
- Impact aprons	2 pcs. with hydraulic gap setting	
- Gap upper apron	(new tools) +60 / +240 mm dodging max. 320 mm	(+1"/8,5") (1')
- Gap lower apron	(new tools) -135 / +95 mm; dodging max. 260 mm	(-4,5"/5,5") (1')
- Distance rotor / feeder	310 mm	(1')



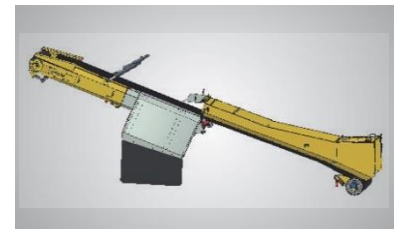
### 6) VIBRATING DISCHARGE FEEDER (Belt saving feeder)

- Type	52 DCF 100-00	
- Length	3.180 mm	(10'4")
- Width	1.100 mm	(3'3")
- Capacity	Up to 350 t/h	
- Drive	7,5 kW hydraulic motor	(10,2 hp)
- Wear lining	HB 450 + HB 500; s=10 mm	(1/2")



### 7) MAIN BELT CONVEYOR - GALVANIZED

- Type	52 MPC 200-00-H	
- Discharge height	3.350 mm	(11'0")
- Stockpile volume	Approx. 110 t ( $\gamma=1,7$ ; 37° angle of repose)	
- Length AD	7.500 mm	(24'7")
- Width BW	1.100 mm	(3'7")
- Belt speed	adjustable; standard 1,15 m/s	
- Inclination	23°	
- Drive	hydraulic 15 kW	(20 hp)
- Rubber belt quality	Belt KT-Flex 630/1 6+3 Grade RS - Superior impact and tear resistance	



### 8) TRACK - UNIT

- Type	52 TRA 310-00	
- Length	4.100 mm	(13'5")
- Width track shoe	450 mm	(1'6")
- Total width	2.574 mm	(8'5")
- 2 speeds	1,1 km/h and 2 km/h	(0,7/1,2 mph)
- Drive	Hydraulic piston pump and planetary gears	
- Tilting chassis (patented)	For increased access to maintenance and inspection and for linking the machine to the DOLLY respectively to the truck. Can also be used for operation to increase the feed capacity in case of sticky material.	



# TECHNICAL SPECIFICATION

## 9) ENGINE UNIT

EU = Europe / US = United States  
REM = ROW - Rest of World (except China and India)

- Type	52 ENU 260-00; Diesel / Hydraulic load sense	
- Diesel Motor, Type	a) CUMMINS X12 (EU + US) - (s)	p/n P000855
	b) CUMMINS X12 (REM) - (s)	p/n .....
- Emission control	a) Tier 4f; EU STAGE V; DOC / SCR / DPF	
	b) Tier 3; EU STAGE IIIA	
- Power ISO 14396	a) 316 kW @ 1.500 R.P.M.; 321 kW @ 1.800 R.P.M. (479 / 520 hp)	
	b) 316 kW @ 1.500 R.P.M.; 321 kW @ 1.800 R.P.M. (479 / 520 hp)	
- Max. torque	a) 2.240 Nm @ 1.500 R.P.M.; 2.030 Nm @ 1.800 R.P.M. (1.652 and	
	b) 2.240 Nm @ 1.500 R.P.M.; 2.030 Nm @ 1.800 R.P.M. 1.497 lbft)	
- Motor revolution	1.400 R.P.M. - 1.900 R.P.M.	
- Bore hole / stroke	a + b) 132 x 144 mm	
- Combustion chamber	a + b) 11.800 cm <sup>3</sup>	(720 cu in)
- Diesel consumption	a + b) 206 g/kWh @ 1.800 R.P.M.	
- Voltage	24 Volt (for improved cold start properties)	
- Cooling	Combi cooler (water, air, diesel, hydraulic) separate hydraulic variable piston pump valve for reversing fans and fixed piston motor For cleaning purpose fold-out easily	
- Fuel	Tank 620 Litres; fuel code acc. to EN 590	(164 gal)
- Air filter	Cyclone pre-filter + dual stage fine filter	
- Drive crusher	Engine → power transmission gear → Turbo clutch → V-belt drive for crusher direct drive	
- Power transmission	Flange with elastic coupling for damping engine vibrations; Flange for hydraulic pump 45 kW (track drive); Switchable toothed clutch (for emergency and service only), V-belt pulley and Turbo clutch; Pump with oil filter for lubrication of gear	
- Hydraulic oil tank	410 Litres	(108 gal)
- AdBlue tank	111 Litres	(29 gal)
- Hydraulic drives	Load sense pumps with PVG	

### ATTENTION

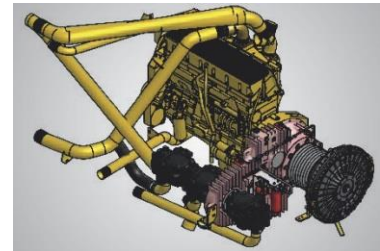
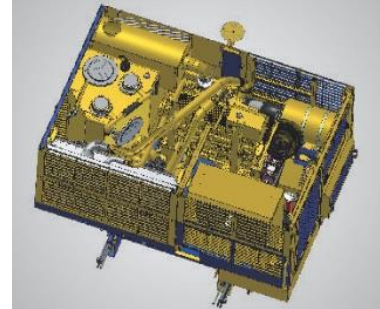
*Engine warranty expires in case non genuine  
Keestrack filters are used!*

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

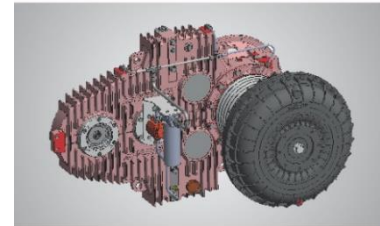
## 10) CONTROL

- Type	PLC – IP 67; dust and vibration proof
- Display	LCD screen 7"
- Operation	Control panel
- Controller	Wired hand remote controller; or optional Radio remote controller (see option list)
- Temperature control of hydraulic oil	> 83° C protection; first feeder stops, later 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 rotor	Included

**Legend:**  
(a) = actual; (s) = standard; (o) = optional



Combi cooler  
Fold-out  
(108 gal)  
(29 gal)



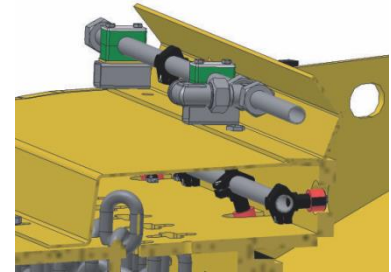
IMPACT CRUSHERS

## TECHNICAL SPECIFICATION - OPTIONS

### 11) DUST SUPPRESSION SYSTEM a) p/n 105558

b) HIGH PRESSURE p/n 101861

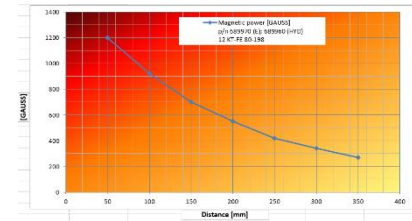
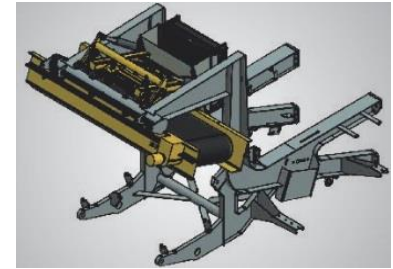
- Type	a) CAS 91; b) HPW 200/30-45	(1,5 (14) hp)
- Drive	a) Hydraulic motor 1,1 kW; b) 10 kW	
- Water consumption	Max. 0,75 m <sup>3</sup> /h	
- Spraying areas	Crusher inlet and outlet (optional end of main or fines conveyor)	



## TECHNICAL SPECIFICATION - OPTIONS

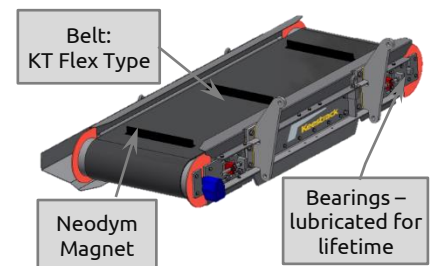
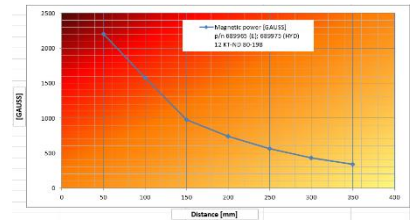
### 12) MAGNETIC SEPARATOR p/n X115492

- Type	12 KT-FE 80-198	
- Length	1.980 mm	(6'6")
- Width	850 mm	(2'7")
- Magnetic power	400 GAUSS at 250 mm distance	
- Magnet dimensions	1.170 x 750 mm	(3'10" x 2'5")
- Speed	2,5 m/s	
- Drive	Hydraulic motor 5,5 kW	(7,5 hp)
- Height adjustment	Hydraulic height adjustment 150 - 345 mm	
- Weight	1.466 kg	(3.232 lb)



### 13) NEODYM HEAVY DUTY MAGNETIC SEPARATOR p/n X115494

- Type	12 KT-ND 80-198	
- Belt width	850 mm	(2'7")
- Belt length (AD)	1.980 mm	(6'6")
- Magnet L x W	1.170 x 750 mm	(3'10" x 2'5")
- Magnetic power	560 GAUSS at 250 mm	
- Drive	Hydraulic motor 5,5 kW	(7,5 hp)
- Speed	2,5 m/s	
- Lift able and lower able	Hydraulic 150 up to 345 mm	
- Weight	1.146 kg	(2.527 lb)



### 14) CENTRAL GREASING SYSTEM incl. AFTERSCREEN p/n 102026

- Cycle time	Adjustable	
- Drive	On board electric, 24 V DC	
- Weight	6 kg	(13 lb)



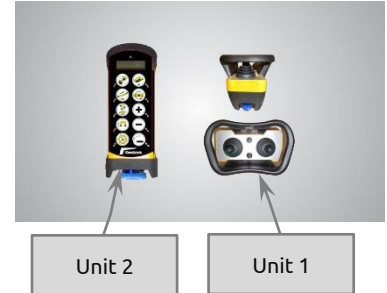


## TECHNICAL SPECIFICATION - OPTIONS

### 15) RADIO REMOTE CONTROL DUO 10 F PRO + JOYSTICK – Level 3

- Order no. Remote 103413 (433 MHz for Europe)  
 ..... (915 MHz for Indonesia, China, USA)  
 Sticker 101474

- Functions
- Unit 1:
- Tracks forwards / backwards proportional with automatic speed control
- Unit 2:
- Upper apron up / down
  - Release of crusher inlet
  - RUB +/- proportional
  - SCR start / stop
  - MPC start / stop
  - DCF start / stop
  - Vibrating feeder start / stop and +/- proportional
  - Magnetic separator auf / ab
  - Automatic start / stop
  - Engine stop
  - Machine stop button (blue)
  - Display



## TECHNICAL SPECIFICATION

### 16) BLOW BARS

p/n	Material	Colour	ca. Hardness [HRC] *)	Weight [kg/pcs.]** )	Applications	Picture
X114980W	Martensitic + Master ceramic (Inlay extra high)		53 - 58	250	Feed size <500 mm; concrete with medium reinforcements of steel	
X114981W	Martensitic + Master ceramic (Inlay low)		53 - 58	220	Feed size <500 mm; concrete with medium reinforcements of steel	
X116367	High Chrome with ceramic inlay		60 - 65	250	Asphalt, secondary crushing, feed size < 150 mm	
102528	Apron liner high manganese Mn18Cr2	grey		70	Concrete with reinforcement	
102528C	Apron liner medium chrome Cr16MoNi	orange		71	Asphalt	
102529	Apron liner high manganese Mn18Cr2	grey		46	without reinforcement	

## TECHNICAL SPECIFICATION - OPTIONS

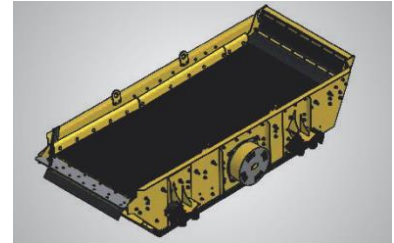
### 17) BUILT ON SINGLE DECK SCREEN with OSR, RUB, FCO

p/n 105556

#### SCREENBOX

#### 52 SCS 100-00 (p/n 667300)

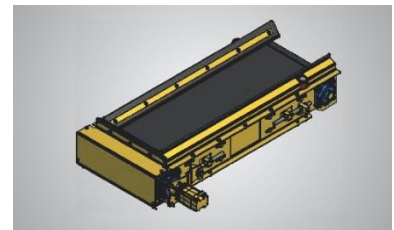
- Width	1.500 mm	(5'0")
- Length	3.300 mm (without feeding tray)	(10'8")
- Drive	Hydraulic 7,5 kW	(10 hp)
- Tensioning system	3 screen nets, mechanically side tensioned	
- Decks	1 Deck	



#### OVERSIZE CONVEYOR

#### 52 OSR II 100-00 (p/n 699500) - GALVANIZED

- Length AD	1.520 mm	(6'3")
- Width BB	500 mm	(2'2")
- Drive	Hydraulic 4 kW	(5,5 hp)



#### RECYCLING CONVEYOR

#### 52 RUB 150-00-H (p/n 644800) - GALVANIZED

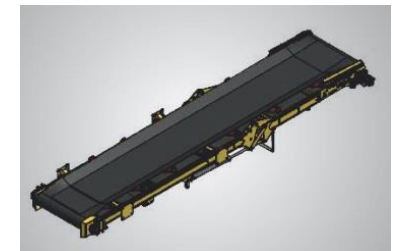
- Length AD	7.680 mm	(25'2")
- Width BW	650 mm	(2'1")
- Belt speed	Adjustable; standard 1,15 m/s	
- Inclination	26°	
- Drive	Hydraulic 7,5 kW	(10,2 hp)
- Max capacity	120 t/h	
- Rubber belt	EP 400/3 4+2 V-450 (Chevron)	
- Application	The conveyor can either be used for oversize recycling for crusher or as stockpile conveyor for the oversize fraction. Hydraulic swivelling mechanism.	



#### FINES CONVEYOR

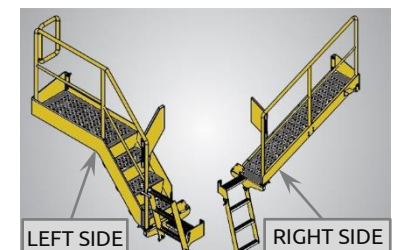
#### 52 FCO 300-00-H (p/n 646190) - GALVANIZED

- Length AD	6.800 mm	(22'3")
- Width BW	1.200 mm	(4'0")
- Discharge height	3.500 mm	(11'6")
- Belt speed	Adjustable; standard 1,15 m/s	
- Inclination	25°	
- Drive	Hydraulic 7,5 kW	(11 hp)
- Stockpile volume	Approx. 130 t (y=1,7; 37°)	
- For transport / service	Hydraulically fold-able	



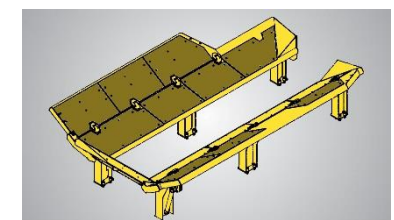
### 18) ACCESS WALKWAY AFTER SCREEN

- Left	p/n X114589; 136 kg	(300 lb)
- REMARK	can also be applied together with air knife	
- Right	p/n X103606; 96 kg	(212 lb)



### 19) WEAR LINING HOPPER p/n 699445

- Material	HB 450	
- Thickness	Top: 6 mm; HB 450	(0,2")
	Bottom: 10 mm; HB 500	(0,4")
- Weight	500 kg	(1.102 lb)



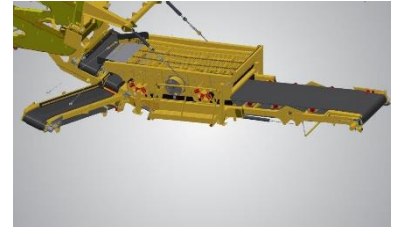
## TECHNICAL SPECIFICATION - OPTIONS

### 20) BUILT ON DOUBLE DECK SCREEN with OSR, RUB, FCO, RSC

p/n .....

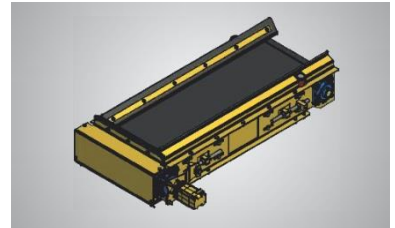
#### SCREENBOX

	<b>52 SCR 200-00 (p/n .....</b>	
- Width	1.500 mm	(5'0")
- Length	TD: 3.300 mm (without Feeding tray)	(10'10")
	BD: 3.000 mm	(9'11")
- Drive	Hydraulic 7,5 kW	(10 hp)
- Tensioning system	TD: 3 screen nets, mechanically side tensioned	
	BD: 2 screen nets, <b>mechanically side tensioned</b>	



#### OVERSIZE CONVEYOR

	<b>52 OSR II 100-00 (p/n 679810) - GALVANIZED</b>	
- Length AD	1.520 mm	(6'3")
- Width BW	500 mm	(2'2")
- Drive	Hydraulic 4 kW	(5,5 hp)



#### RECYCLING CONVEYOR

	<b>52 RUB 150-00-H (p/n 644800) - GALVANIZED</b>	
- Length AD	7.680 mm	(25'2")
- Width BW	650 mm	(2'1")
- Belt speed	Adjustable; standard 1,15 m/s	
- Inclination	26°	
- Drive	Hydraulic 7,5 kW	(10,2 hp)
- Max capacity	120 t/h	
- Rubber belt	EP 400/3 4+2 V-450 (Chevron)	
- Application	The conveyor can either be used for oversize recycling for crusher or as stockpile conveyor for the oversize fraction. Hydraulic swivelling mechanism.	



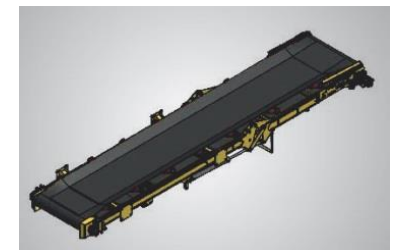
#### MIDDLE FRACTION

	<b>CONVEYOR 52 RSC 100-00-H (p/n X103701)</b>	
- Length AD	5.500 mm	(18'1")
- Width BW	500 mm	(2'2")
- Belt	EP 350/5 6+2	
- Discharge height	2.875 mm	(9'5")
- Belt speed	Adjustable; standard 1,15 m/s	
- Inclination	23°	
- Drive	Hydraulic motor 5,5 kW	(7 hp)
- Stockpile volume	Approx. 75 t (y=1,7; 37°)	
- For transport	hydraulically fold-able	
- Weight	830 kg	(1.830 lb)



#### FINES CONVEYOR

	<b>52 FCO 300-00-H (p/n X107167) - GALVANIZED</b>	
- Length AD	6.800 mm	(22'3")
- Width BW	1.200 mm	(4'0")
- Discharge height	3.660 mm	(12')
- Belt speed	Adjustable; standard 1,15 m/s	
- Inclination	25°	
- Drive	Hydraulic 7,5 kW	(11 hp)
- Stockpile volume	Approx. 150 t (y=1,7; 37°)	
- For transport / service	Hydraulically fold-able	



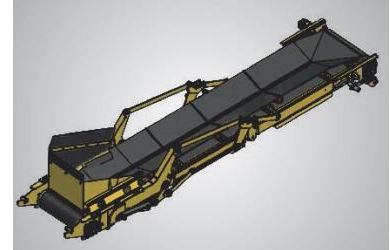


## TECHNICAL SPECIFICATION - OPTIONS

### 21) PRE-SCREENING STOCKPILE CONVEYOR LEFT SIDE - GALVANIZED

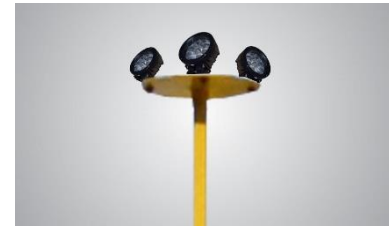
p/n 665600

- Type	52 LSC 200-00	
- Length AD	4.400 mm	(14'5")
- Width BW	650 mm	(2'1")
- Discharge height	2.900 mm	(9'6")
- Belt speed	Adjustable; standard 1,15 m/s	
- Inclination	22°	
- Drive	Hydraulic 5,5 kW	(7 hp)
- Stockpile volume	Approx. 80 t (y=1,7; 37°)	
- For transport	Hydraulically fold-able	



### 22) 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)



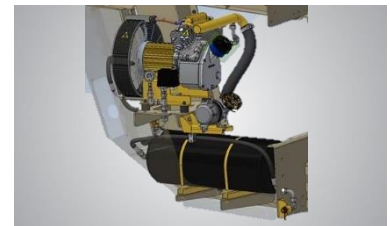
### 23) FUEL FILLING PUMP p/n 701030

- with automatic stop	p/n 701030	
- Weight	10 kg	(22 lb)
- Model	F 80-24-1"	
- Capacity	80 l/min	
- Filter	3 micron with water absorbant media	
- Suction hose	¾" 1,5 m long	
- Drive	On board-electric 24 V DC	



### 24) SERVICE GENERATOR SET AND AIR COMPRESSOR p/n X143390

- Type Generator	DYNASET HG 10 kVA (for service and drive of compressor)	
- Drive	Hydraulically driven	
- sockets for service	1 x 400 V, 16 A and 2 x 230 V, 16 A	
- Air volume	590 l/min at 6 bar with air filter	
- Suction air volume	840 l/min	
- Air pressure	Max. 10 bar	
- Weight	170 kg	(370 lb)



### 25) BELT SCALE MCL or FCO p/n 101392; LSC p/n 103036

- System	Weight recording
- Display	Feed capacity summary, daily feed capacity, actual capacity, belt speed
- Components	Roller station for weight take-up Speed take-up station Display with electronic unit with printer and data transfer



## TECHNICAL SPECIFICATION - OPTIONS

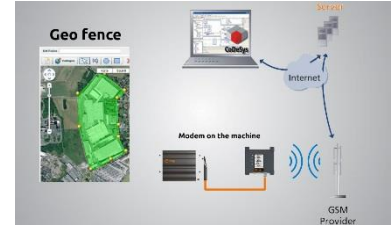
### 26) UMTS MODEM WITH GPS TRACKING SYSTEM "KEESTRACKER"

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.
- SIM Card integrated, for 1 year free of charge



### 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)

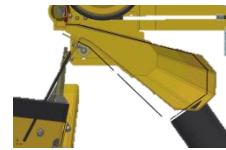
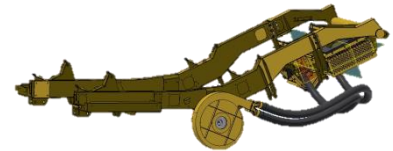
The Buyer acknowledges that this information does not constitute confidential business information of the Buyer. The Buyer provides its explicit consent for this data collection and takes appropriate technical and organizational measures to ensure that natural persons cannot be identified by these mechanical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

### 27) WINDSIFTING (AIR KNIFE) for OVERSIZE FRACTION

p/n X105185

- Fan diameter 710 mm
- Installed power Hydraulic motor 15 kW @ 2.800 R.P.M.
- Hoses 2 pieces dia. 114 mm
- Air volume 39 m<sup>3</sup>/min @ 10.000 Pa
- Weight 168 kg (370 lb)



### 28) HEATING SYSTEM for ENGINE UNIT 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

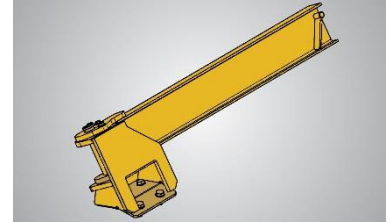


HEATING SYSTEM FOR ENGINE

## TECHNICAL SPECIFICATION - OPTIONS

### 29) SWIVELLING HOIST p/n X103884

- description	for changing blow bars (without crane)	
- weight	47 kg	(103 lb)



### 30) SALT SPRAY PROTECTION COAT p/n 103572

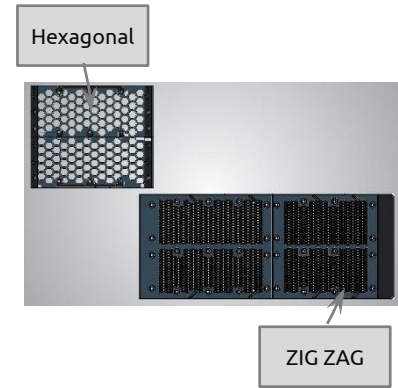
- Type	WAX KX100
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## TECHNICAL SPECIFICATION – SCREEN CHOICE

### 31) SCREENS for TOP DECK of PRE-SCREEN

Punched plates

p/n	Dimensions	Thickness s=[mm]	Hardness
X112082	ZIG ZAG 12 x 35 mm	15	HB 450
X112089	Hexagonal 20 mm	15	HB 450
X112090	Hexagonal 30 mm	15	HB 450
X112091	Hexagonal 40 mm	15	HB 450
X112092	Hexagonal 50 mm	15	HB 450
X112093	Hexagonal 55 mm	15	HB 450
X112095	Hexagonal 70 mm	20	HB 450
X112096	Hexagonal 80 mm	20	HB 450
X112097	Hexagonal 100 mm	20	HB 450
X112074	BLIND PLATE	12	HB 450



### 32) 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



### 33) SCREENS for AFTER SCREEN

Square mesh set

p/n	Dimensions
697005	8 x 8 x 2,5 mm
641529	12 x 12 x 3 mm
641531	17 x 17 x 4 mm
697010	22 x 22 x 4 mm
697015	25 x 25 x 5 mm
697020	32 x 32 x 5 mm
697025	35 x 35 x 7 mm
697030	40 x 40 x 8 mm
641532	45 x 45 x 8 mm
697035	50 x 50 x 8 mm
697040	55 x 55 x 8 mm
697045	60 x 60 x 10 mm
697050	70 x 70 x 10 mm
697055	100 x 100 x 12,5 mm





# IMPACT CRUSHER

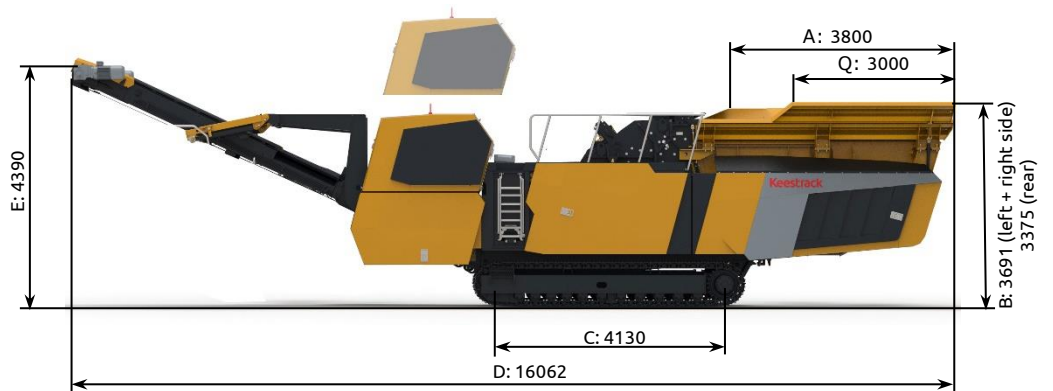


IMPACT CRUSHERS

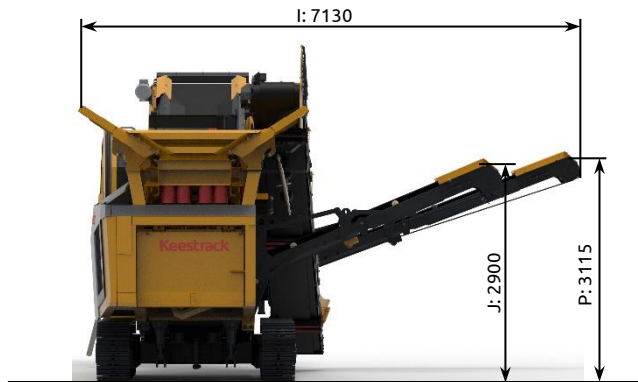
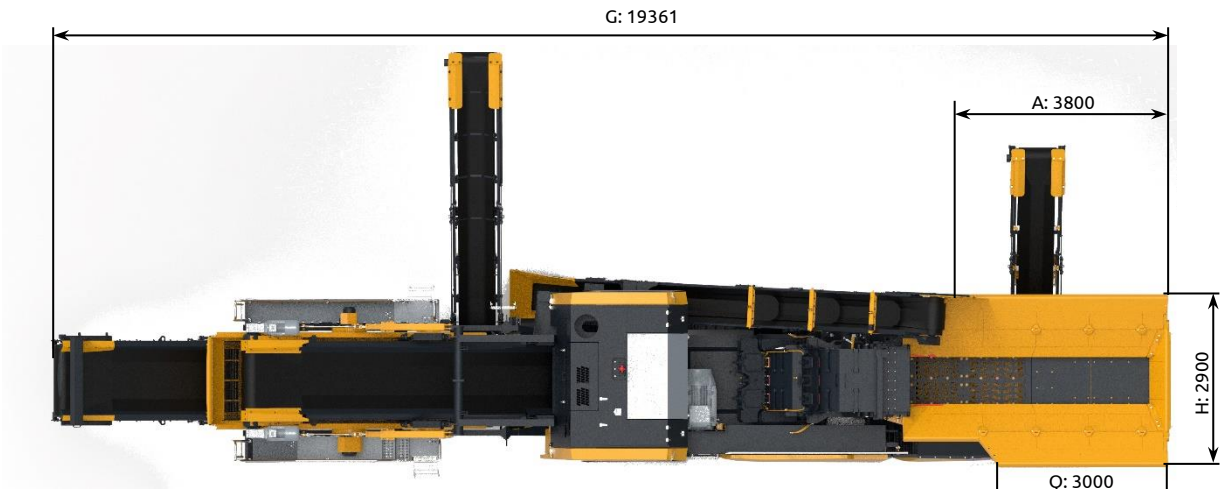
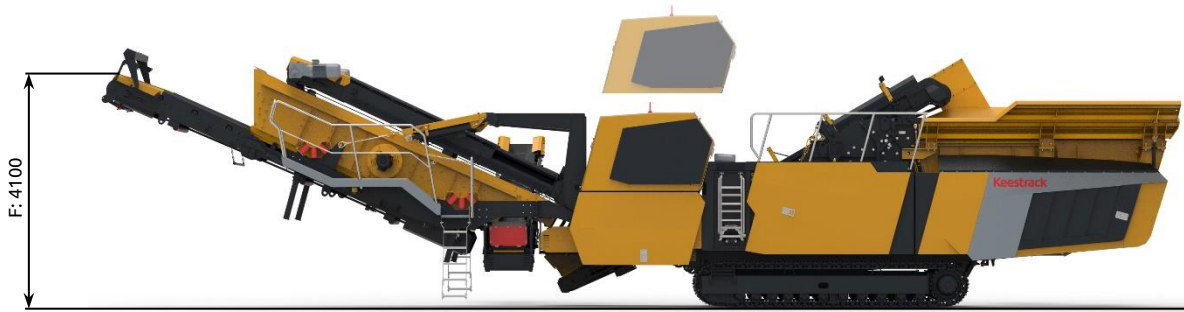


# DIMENSIONS

**WITHOUT SCREEN:**



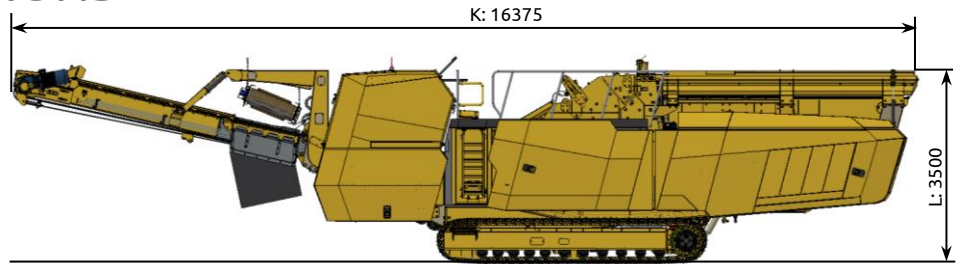
**WITH 2-DECK SCREEN:**



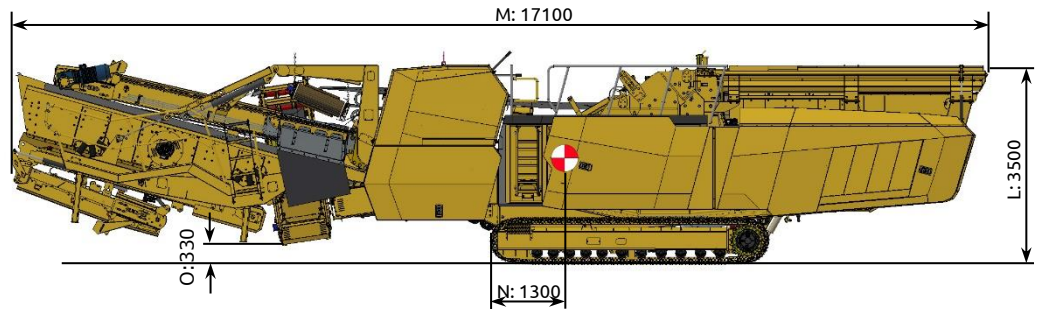
IMPACT CRUSHERS

## TRANSPORT DIMENSIONS

**TRANSPORT WITHOUT SCREEN:**



**TRANSPORT WITH SCREEN:**



**Weight: Approx. 44,5 t (without options)**

Weight options:

Magnetic separator (min.)	1.146 kg
Screen	7.700 kg
Oversize return conveyor	1.560 kg
Conveyor pre-screening	900 kg

**Transport width 3.000 mm (9'11")**



IMPACT CRUSHERS

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

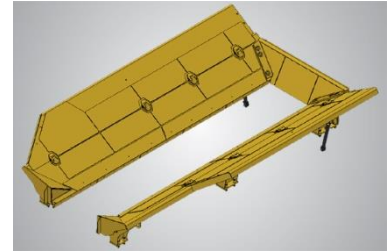
A	B	C	D	E		F	G		H
3800	3691	4130	16062	4390		4100	19361		2900
12'6"	12'1"	13'7"	52'8"	14'5"		13'5"	63'6"		9'6"
I	J	K	L		M	N	O	P	Q
7130	2900	16375	3500		17100	1300	330	3115	3000
23'5"	9'6"	53'9"	11'6"		56'1"	4'3"	1'1"	10'2"	9'11"



## TECHNICAL SPECIFICATION

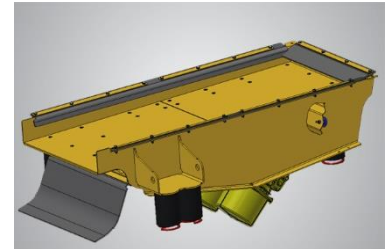
### 1) FEED HOPPER

- Type	59 FEH 100-00	
- Content	5 m <sup>3</sup>	(6,5 yard <sup>3</sup> )
- Wear lining	Wear resistant steel HB 500 (RUB discharge + bottom; 10 mm); Top: HB 450; 6 mm	
- Hopper walls	Left and right hydraulically fold-able	
- Feeding height	3.691 mm right + left side; 3.375 mm rear	(12'1";11'1")
- Feeding width	2.900 mm	(9'6")
- Feeding length	Left 3.000; right 3.800 mm	(9'11"; 12'6")



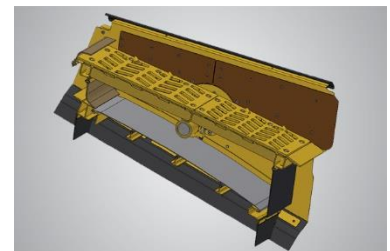
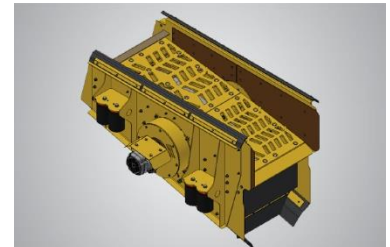
### 2) VIBRATING FEEDER

- Type	59 VIF 200-00	
- Length	2.200 mm	(7'3")
- Width	1.000 mm	(3'3")
- Wear lining	8 mm bolted	
- Drive	Unbalanced E-motors 2 x 3,2 kW with frequency inverter	(2 x 4,4 hp)
	582 (30 Hz) - 1.164 (60 Hz) R.P.M.	
- Capacity	Up to 400 t/h	



### 3) DOUBLE DECK PRE-SCREEN

- Type	59 SCS 200-00	
- Length	2.200 mm	(7'3")
- Width	1.000 mm	(3'3")
- Top deck 2 step	Hexagonal or long	
Punched plate	apertures 20 - 100 mm; s=15-20 mm	(3/4"-4")
- Bottom deck	1.800 x 1.000 mm with square mesh of choice (end tensioned)	(5'11"x3'3")
- Material flow	- fine fraction either in crusher bypass or separately stockpiled (with p/n 665600) - Intermediate fraction either in crusher bypass (lower deck bigger mesh than upper deck) or separately stockpiled (with option p/n 665600)	
- Drive	E-motor 11 kW direct flanged; 1020 R.P.M. at 50 Hz; with frequency inverter 816 R.P.M. (40 Hz) to 1.224 R.P.M. (60 Hz)	(15 hp)



### 4) UNDERSCREEN CONVEYOR - GALVANIZED

- Type	59 REC 200-00-E	
- Length	1.750 mm	(5'9")
- Width	800 mm	(2'8")
- Speed	1,35 m/s	
- Max. capacity	150 t/h	
- Drive	drum motor 5,5 kW reversible	(7,5 hp)
- Reversible belt	To feed the pre-screened material under the crusher in bypass or to the side conveyor	
- Ease of service	For ease of service, the belt can be slide out	

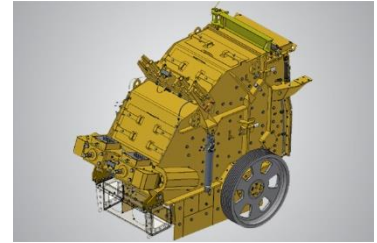




## TECHNICAL SPECIFICATION

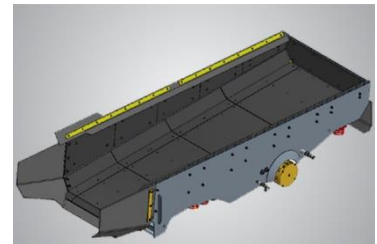
### 5) IMPACT CRUSHER

- Type	59 ICR 200-00	
- Inlet opening	800 x 1.050 mm (H x W)	(2'8" x 3'5")
- Weight impact crusher	approx. 12.500 kg	(27.558 lb)
- Rotor width	1.000 mm	(3'3")
- Rotor diameter	1.260 mm	(4'2")
- Drive	E-motor 160 kW (50 or 60 Hz); V-belts	(218 hp)
- Blow bars	2 pcs. each 250 kg + 2 pcs. each 220 kg	(551+485 lb)
- Rotor speed	470 R.P.M. (31,0 m/s @ 1.500 R.P.M.) 564 R.P.M. (37,2 m/s @ 1.800 R.P.M.)	
- Pulley diameter	Rotor 1.100 mm; motor 355 mm	(3'7"; 1'2")
- Weight rotor	approx. 5.100 kg (without bearings)	(11.244 lb)
- Throughput capacity	up to 400 t/h	
- Impact aprons	2 pcs. with hydraulic gap setting	
- Gap upper apron	(new tools) +60 / +240 mm dodging max. 320 mm	(+2,4"/9,4") (1'1")
- Gap lower apron	(new tools) -135 / +95 mm; dodging max. 260 mm	(-5,3"/3,7") (10,2")
- Distance rotor / feeder	330 mm	(1'1")



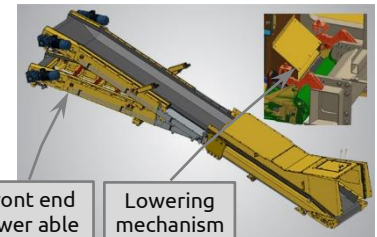
### 6) VIBRATING DISCHARGE FEEDER (Belt saving feeder)

- Type	59 DCF 200-00-E	
- Length	3.180 mm	(10'5")
- Width	1.130 mm	(3'4")
- Wear lining	Bolted; bottom s=10 mm; sides s= 6 mm; HB 500	
- Capacity	Up to 350 t/h	
- Drive	water cooled E-motor 11 kW @ 1.000 R.P.M. with frequency inverter	(15 hp)



### 7) MAIN BELT CONVEYOR - GALVANIZED

- Discharge height	4.390 mm	(14'5")
- Stockpile volume	approx. 265 t ( $\gamma=1,7$ ; 37° angle of repose)	
- Length AD	9.270 mm	(30'5")
- Width BW	1.200 mm	(3'11")
- Belt speed	1,5 m/s	
- Inclination	25°	
- Drive	Tandem E-gear motor 2 x 7,5 kW	(2 x 10 hp)
- Rubber belt quality	Belt KT - Flex 630/1 6+3 Grade RS -superior impact and tear resistance	
- Service	- can be disassembled in 1 pcs. - lower able mechanically to change the belt - front end hydraulically lower able for transport	



Front end  
lower able

Lowering  
mechanism

# TECHNICAL SPECIFICATION

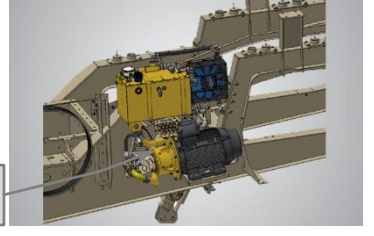
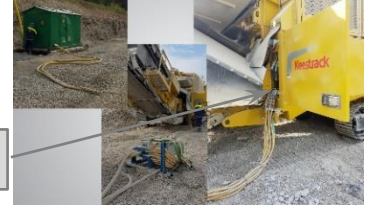
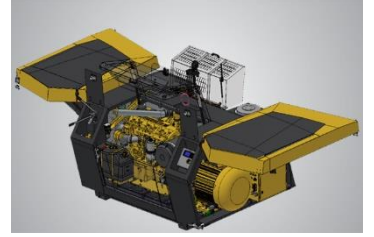
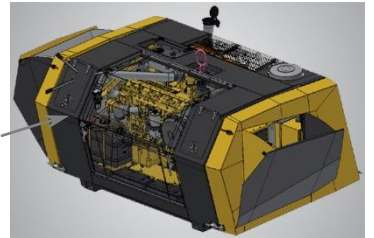
## 8) ENGINE UNIT (DROP – OFF)

**EU = Europe / US = United States  
REM = ROW - Rest of World (except China and India)**

**Legend:  
(a) = actual; (s) = standard; (o) = optional**

- Type	90 ENU 300-00	
- Diesel Motor, Type	CUMMINS X12 (EU + US) - (s)	p/n P100395
- Emission control	Tier 4f; EU STAGE V; DOC / SCR / DPF	
- Power ISO 14396	352 kW @ 1.500 R.P.M.; 382 kW @ 1.800 R.P.M.	(479 / 436 hp)
- Max. torque	2.240 Nm @ 1.500 R.P.M.; 2.030 Nm @ 1.800 R.P.M.	(1.652 and 1.497 lbft)
- Motor revolution	1.400 R.P.M. - 1.900 R.P.M.	
- Bore hole/stroke	132 x 144 mm	
- Combustion chamber	11.800 cm <sup>3</sup>	(720 cuin)
- Diesel consumption	206 g/kWh @ 1.800 R.P.M.	
- Voltage	24 Volt (for improved cold start properties)	
- Cooling	Combi cooler (water, air) with fan ø 800 mm, max. 1.600 R.P.M.	
- Fuel	450 Litres stainless steel; acc. to EN 590	(119 gal)
- Air filter	Cyclone pre-filter + dual stage fine filter	
- Drive crusher	Engine → alternator → E-motor → V-belt drive for crusher direct drive	
- Alternator	400 V; 50 or 60 Hz, 450 kVA; IP 67	
- Power plug-in	For drive of the crusher from external power sources (net), a POWER LOCK plug-in is foreseen: 3 Phases, 400V; 50 Hz; 450 kVA	
- Power plug-out	For the supply of external machines: Socket 125 A (max. 75 kW), 3 Phases, 400V; 50 Hz	
- Drive hydraulic	1 pcs. E-motor 55 kW → hydraulic load sense piston pump 150 cm <sup>3</sup> for: a) tracks b) folding mechanism	(75 hp)
- Hydraulic oil tank	160 Litres	(42 gal)

**ATTENTION** *Engine warranty expires in case non genuine Keestrack filters are used!*

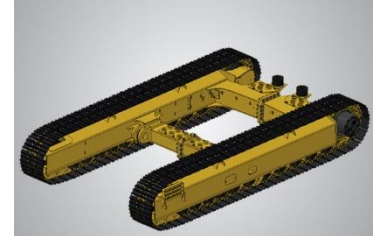


IMPACT CRUSHERS

## TECHNICAL SPECIFICATION

### 9) TRACK - UNIT

- Type	59 TRA 300-00	
- Length	4.130 mm	(13'7")
- Width crawler	450 mm	(1'6")
- Total width	2.700 mm	(8'10")
- 2 speeds	1,1 km/h and 2 km/h	
- Drive	Hydraulic piston pump and planetary gears	
- Tilting chassis (patented)	For increased access to maintenance and inspection. Can also be used for operation to increase the feed capacity in case of sticky material.	



### 10) CONTROL

- Type	PLC – IP 67; dust and vibration proof
- Display	LCD screen 7"
- Operation	Control panel
- Controller	Wired hand remote controller; or optional Radio remote controller (see option list)
- Temperature control of hydraulic oil	> 83° C protection; first feeder stops, later 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 rotor	Included
- Switch cabinet suspension	On springs to damp vibrations



## TECHNICAL SPECIFICATION - OPTIONS

### 11) DUST SUPPRESSION SYSTEM a) p/n 204726

#### b) HIGH PRESSURE p/n 101861

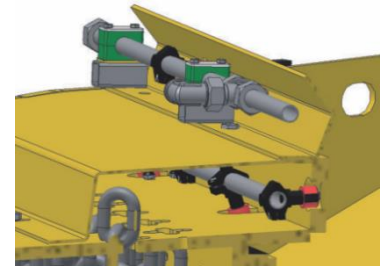
- |                     |                                                                   |
|---------------------|-------------------------------------------------------------------|
| - Type              | a) CA 91 A<br>b) HPW 200/30 - 45                                  |
| - Drive             | a) E-motor 0,75 kW; 2.900 R.P.M.<br>b) 10 kW                      |
| - Water consumption | Max. 0,75 m <sup>3</sup> /h                                       |
| - Spraying areas    | Crusher inlet and outlet (optional end of main or fines conveyor) |

(1 hp)  
(14 hp)

p/n 204726



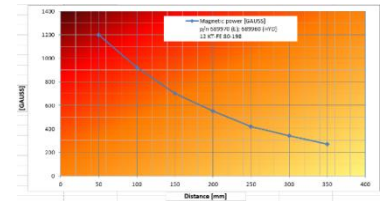
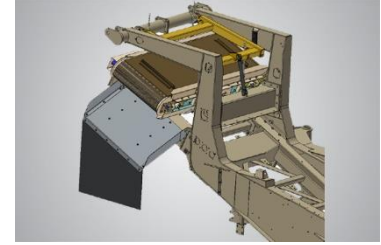
p/n 101861



## TECHNICAL SPECIFICATION - OPTIONS

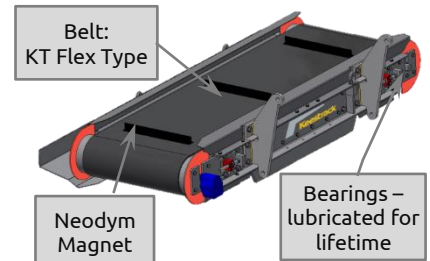
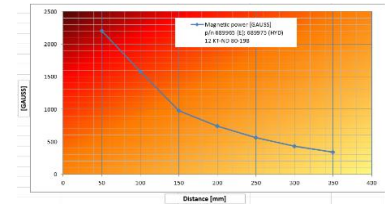
### 12) MAGNETIC SEPARATOR p/n X115492 – 12 KT-FE 80-198

- Type	12 KT-FE 80-198	
- Length	1.980 mm	(6'6")
- Width	850 mm	(2'9")
- Magnetic power	400 GAUSS at 300 mm distance	
- Magnet dimensions	1.170 x 750	(3'10"x2'6")
- Speed	2,5 m/s	
- Drive	E-drum motor 5,5 kW	(7,5 hp)
- Height adjustment	Hydraulic height adjustment 150 - 345 mm	
- Weight	1.466 kg	(3.232 lb)



### 13) NEODYM HEAVY DUTY MAGNETIC SEPARATOR p/n X115494

- Type	12 KT-ND 80-198	
- Belt length (AD)	1.980 mm	(6'6")
- Belt width	850 mm	(2'9")
- Magnet L x W	1.170 x 750 mm	(3'10"x2'6")
- Magnetic power	550 GAUSS at 300 mm	
- Drive	E-motor 5,5 kW	(7,5 hp)
- Speed	2,5 m/s	
- Lift able and lower able	Hydraulic 150 up to 345 mm	
- Weight	1.146 kg	(2.527 lb)



### 14) CENTRAL GREASING SYSTEM incl. AFTERSCREEN p/n 102026

- Cycle time	Adjustable	
- Drive	On board electric, 24 V DC	
- Weight	6 kg	(13 lb)



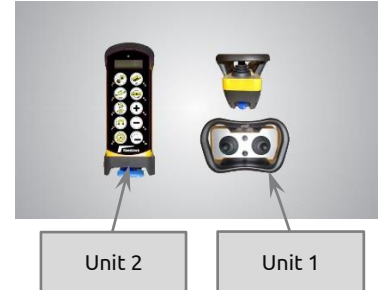


## TECHNICAL SPECIFICATION - OPTIONS

### 15) RADIO REMOTE CONTROL DUO 10 F PRO + JOYSTICK – Level 3

- Order no. Remote 103413 (433 MHz for Europe)  
 ..... (915 MHz for Indonesia, China, USA)  
 Sticker 101474

- Functions
- Unit 1:**
- Tracks forwards / backwards proportional with automatic speed control
- Unit 2:**
- Upper apron up / down
  - Release of crusher inlet
  - RUB +/- proportional
  - SCR start / stop
  - MPC start / stop
  - DCF start / stop
  - Vibrating feeder start / stop and +/- proportional
  - Magnetic separator auf / ab
  - Automatic start / stop
  - Engine stop
  - Machine stop button (blue)
  - Display

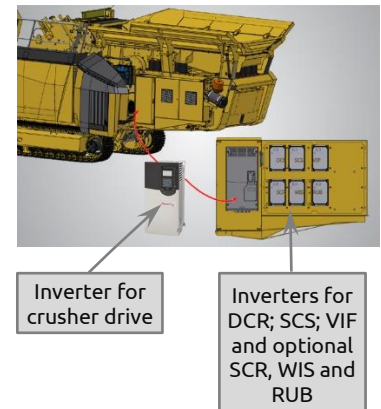


IMPACT CRUSHERS

### 16) FREQUENCY INVERTER FOR CRUSHER DRIVE


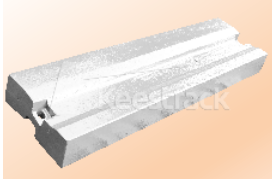







p/n P000889

- Type POWERFLEX 755  
 - Max. Power 270 kW  
 - Max. Ampere 477 A  
 - Cooling Water cooled  
 - For rotor speed 23 – 46 m/s (with new blow bars)



## TECHNICAL SPECIFICATION - OPTIONS

### 17) BLOW BARS

p/n	Material	Colour	ca. Hardness [HRC] *)	Weight [kg/pcs.]**	Applications	Picture
X114980W	Martensitic + Master ceramic (Inlay extra high)		53 - 58	250	Feed size <500 mm; concrete with medium reinforcements of steel	
X114981W	Martensitic + Master ceramic (Inlay low)		53 - 58	220	Feed size <500 mm; concrete with medium reinforcements of steel	
X116367	High Chrome with ceramic inlay		60 - 65	250	Asphalt, secondary crushing, feed size < 150 mm	
102528	Apron liner high manganese Mn18Cr2	grey		70	Concrete with reinforcement	
102528C	Apron liner medium chrome Cr16MoNi	orange		71	Asphalt	
102529	Apron liner high manganese Mn18Cr2	grey		46	without reinforcement	

IMPACT CRUSHERS

## TECHNICAL SPECIFICATION - OPTIONS

### 18) BUILT ON DOUBLE DECK SCREEN with OSR, RUB, FCO p/n 59 SSU-200 (7.700 kg w/o RUB; RUB 1.560 kg)

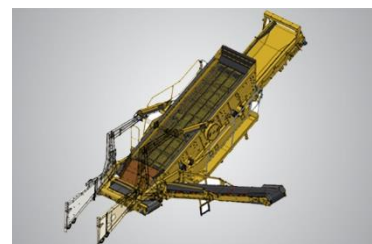
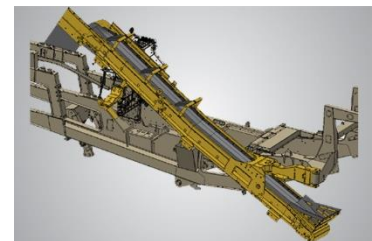
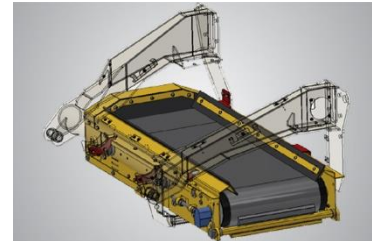
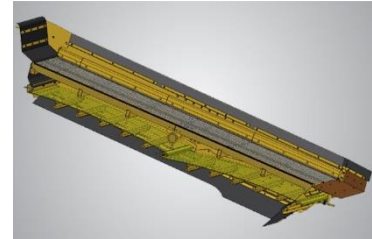
<b>SCREENBOX</b>	<b>59 SCR 200-00-e</b>	
- Width	1.500 mm	(5')
- Length	TD 4.760 mm (without feeding tray); BD 4.600 mm	(15'7"; 15'1")
- Screening surface	TD 7,14 m <sup>2</sup> ; BD 6,9 m <sup>2</sup>	
- Drive	E-motor 11 kW, flanged direct; with frequency inverter; standard 1.080 R.P.M.	(15 hp)
- Tensioning system	TD 3+1 screen meshes, side tensioned; BD 2 screen meshes, end tensioned	
- Decks	2 Decks	
- Walkways	On both sides	

<b>OVERSIZE CONVEYOR</b>	<b>59 OSR 200-00 e</b>	
- Length AD	1.715 mm	(5'8")
- Width BW	650 mm	(2'2")
- Belt speed	1,25 m/s	
- Drive	E-drum motor 3 kW	(4 hp)

<b>RECYCLING CONVEYOR</b>	<b>59 RUB 200-00 e</b>	
- Length AD	7.680 mm	(25'2")
- Width BW	650 mm	(2'2")
- Belt speed	1,7 m/s	
- Inclination	26°	
- Drive	E-drum motor 7,5 kW	(10 hp)
- Max capacity	120 t/h	
- Rubber belt	EP 400/3 4+2 V-450 (Chevron)	
- Application	The conveyor can either be used for oversize recycling for crusher or as stockpile conveyor for the oversize fraction. Hydraulic swivelling mechanism.	

<b>MIDDLE FRACTION</b>	<b>STOCKPILE CONVEYOR 52 RSL 200-00-e</b>	
- Length AD	6.400 mm	(21')
- Width BW	650 mm	(2'2")
- Belt	EP 400/3 3+1,5 L63 CHEVRON	
- Discharge height	3.115 mm	(10'3")
- Belt speed	1,3 m/s	
- Inclination	20°	
- Drive	E-drum motor 5,5 kW	(7,5 hp)
- Stockpile volume	Approx. 95 t (y=1,7; 37°)	
- For transport	Hydraulically fold-able	

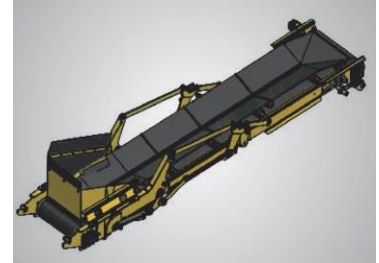
<b>FINES CONVEYOR</b>	<b>59 FCO 200-00 e</b>	
- Length AD	6.800 mm	(22'4")
- Width BW	1.200 mm	(3'11")
- Discharge height	4.100 mm	(13'5")
- Belt speed	1,6 m/s	
- Inclination	25°	
- Drive	E-drum motor 11 kW	(15 hp)
- Stockpile volume	Approx. 215 t (y=1,7; 37°)	
- For transport / service	Hydraulically fold-able	



## TECHNICAL SPECIFICATION - OPTIONS

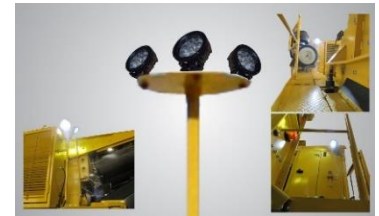
### 19) PRE-SCREENING STOCKPILE CONVEYOR RIGHT SIDE – p/n X128233

- Type	59 RSC 200-00-	
- Length AD	4.340 mm	(14'3")
- Width BW	650 mm	(2'2")
- Discharge height	2.900 mm	(9'6")
- Belt speed	1,3 m/s	
- Inclination	22°	
- Drive	E-drum motor 5,5 kW	(7,5 hp)
- Stockpile volume	Approx. 75 t (γ=1,7; 37°)	
- For transport	Hydraulically fold-able	
- Weight	900 kg	(1.985 lb)



### 20) WORKING LIGHTS

- Standard: 6 lamps	p/n 701006 (Tower 4 + 1 + 1)	
- Option: 6 + 6 lamps	p/n 103409 (2 x Tower 4 + 1 + 1)	
	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)



### 21) FUEL FILLING PUMP p/n 701030

- with automatic stop	p/n 701030	
- Weight	10 kg	(22 lb)
- Model	F 80-24-1"	
- Capacity	80 l/min	
- Filter	3 micron with water absorbant media	
- Suction hose	¾" 1,5 m long	
- Drive	On board-electric 24 V DC	



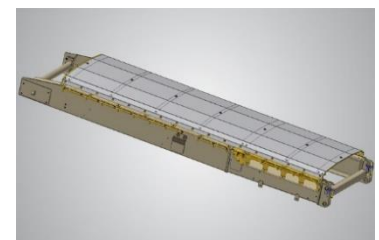
### 22) WINDSIFTING (AIR KNIFE) for OVERSIZE FRACTION p/n X105187

- Fan diameter	710 mm	(2'4")
- Installed power	E-motor 15 kW @ 2.800 R.P.M. with frequency inverter	(20 hp)
- Hoses	2 pieces dia. 114 mm	(5")
- Air volume	39 m³/min @ 10.000 Pa	
- Weight	326 kg	(720 lb)



### 23) DUST COVER MCL p/n .....

- Type	59MPC 200-20	
- Fixation	With expander belt	
- Cover	Flexible fabric plane	
- Weight	50 kg	(110 lb)



## TECHNICAL SPECIFICATION - OPTIONS

### 24) BELT SCALE MCL and / or FCO

#### Weight scales:

- Types	MPC: 59MPC 200-21 (p/n .....)	
	FCO: 59FCO 200-08 (p/n X128365)	
- Display	Feed capacity summary, daily feed capacity, actual capacity, belt speed	
- Components	Roller station for weight take-up Speed take-up station Display with electronic unit with printer and data transfer	
Weight:	each 60 kg	(132 lb)



#### Volumetric scales:

- Types	MPC: 59MPC 200-16 (p/n .....)	
	FCO: 59FCO 200-07 (p/n X128357)	
Weight:	Each 60 kg	(132 lb)

### 25) UMTS MODEM WITH GPS TRACKING SYSTEM "KEESTRACKER" (wp/n 102971)

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

- Real time access to Diesel engine, parameters of components and alarms.
- SIM Card integrated, for 1 year free of charge



### 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 - OPTIONS

### 26) HEATING SYSTEM for ENGINE UNIT p/n 203460

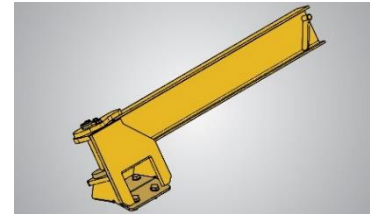
- Heating power	up to 9,1 kW;	(12 hp)
- Fuel consumption	0,19 - 1,1 l/h	
- Voltage / Watt	24V; 37-90 W	
- Operating temperature	-40°C - + 80°C	
- Weight	4,8 kg	(11 lb)
- Additional	Incl. timer for 3 starting times and temperature pre-selection	



HEATING SYSTEM FOR ENGINE

### 27) SWIVELLING HOIST p/n X103884

- Description	for changing blow bars (without crane)	
- Weight	47 kg	(104 lb)



### 28) SALT SPRAY PROTECTION COAT p/n 103572

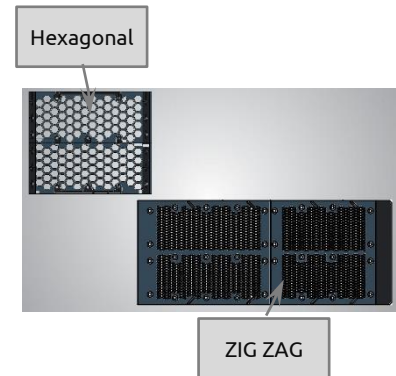
- Type	WAX KX100
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## TECHNICAL SPECIFICATION – SCREEN CHOICE

### 29) SCREENS for TOP DECK of PRE-SCREEN

Punched plates

p/n	Dimensions	Thickness s=[mm]	Hardness
X112082	ZIG ZAG 12 x 35 mm	15	HB 450
X112089	Hexagonal 20 mm	15	HB 450
X112090	Hexagonal 30 mm	15	HB 450
X112091	Hexagonal 40 mm	15	HB 450
X112092	Hexagonal 50 mm	15	HB 450
X112093	Hexagonal 55 mm	15	HB 450
X112095	Hexagonal 70 mm	20	HB 450
X112096	Hexagonal 80 mm	20	HB 450
X112097	Hexagonal 100 mm	20	HB 450
X112074	BLIND PLATE	12	HB 450



### 30) 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



## TECHNICAL SPECIFICATION – SCREEN CHOICE

### 31) SCREENS for AFTER SCREEN TD

Square mesh set  
(p/n X127596)

Side tensioned

**One set consists of:**

**3 pcs. L = 1.460 mm**

+

**1 pcs. L = 380 mm**

L = 1.460 mm (4'10")		L = 380 mm (4'10")	
p/n	Dimensions	p/n	Dimensions
202770	8 x 8 x 2,5 mm	202773	8 x 8 x 2,5 mm
202782	12 x 12 x 3 mm	202891	12 x 12 x 3 mm
202781	17 x 17 x 4 mm	202892	17 x 17 x 4 mm
202825	22 x 22 x 4 mm	202832	22 x 22 x 4 mm
202771	25 x 25 x 5 mm	202774	25 x 25 x 5 mm
202880	30 x 30 x 5 mm	202841	30 x 30 x 5 mm
202799	32 x 32 x 5 mm	202800	32 x 32 x 5 mm
202787	35 x 35 x 7 mm	202791	35 x 35 x 7 mm
202790	40 x 40 x 8 mm	202789	40 x 40 x 8 mm
202870	45 x 45 x 8 mm	202869	45 x 45 x 8 mm
202824	50 x 50 x 8 mm	202837	50 x 50 x 8 mm
202786	55 x 55 x 8 mm	202775	55 x 55 x 8 mm
202780	60 x 60 x 10 mm	202277	60 x 60 x 10 mm
202804	70 x 70 x 10 mm	202805	70 x 70 x 10 mm
202806	100 x 100 x 12,5 mm	202807	100 x 100 x 12,5 mm



### 32) SCREENS for AFTER SCREEN BD

Square mesh set  
(p/n X125083)

**Each 2 pcs. of p/n .....L  
are required for one set**

p/n	Dimensions
202105L	BD MESH 8 x 8 x 2,5 mm
202106L	BD MESH 10 x 10 x 2,5 mm
202107L	BD MESH 12 x 12 x 3 mm
202108L	BD MESH 15 x 15 x 3 mm
202153L	BD MESH 18 x 18 x 4 mm
202109L	BD MESH 20 x 20 x 4 mm
202225L	BD MESH 22 x 22 x 4 mm
202110L	BD MESH 25 x 25 x 5 mm
202111L	BD MESH 30 x 30 x 5 mm
202518L	BD MESH 32 x 32 x 6 mm
202155L	BD MESH 35 x 35 x 7 mm
202112L	BD MESH 40 x 40 x 8 mm
202379L	BD MESH 45 x 45 x 8 mm
202113L	BD MESH 50 x 50 x 8 mm
202255L	BD MESH 55 x 55 x 8 mm
202187L	BD MESH 60 x 60 x 10 mm
202397L	BD MESH 65 x 65 x 9 mm
202398L	BD MESH 70 x 70 x 9 mm
202399L	BD MESH 75 x 75 x 9 mm



# IMPACT CRUSHER R6



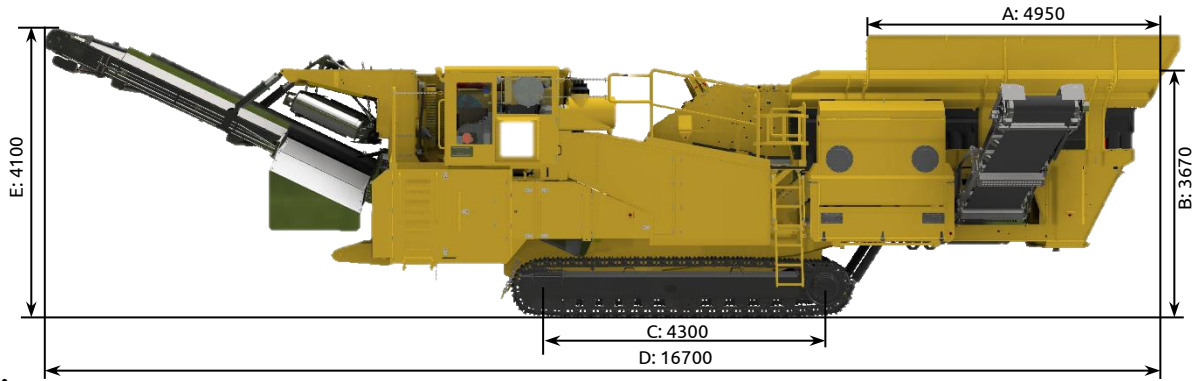
IMPACT CRUSHERS



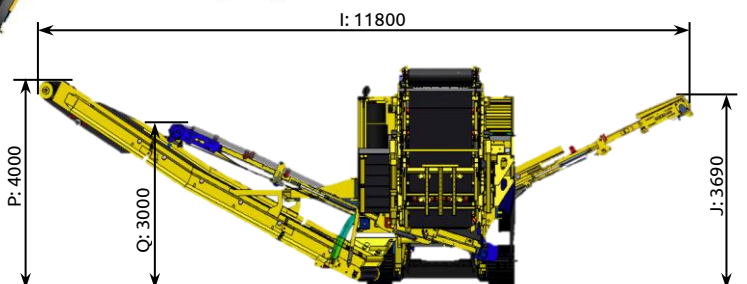
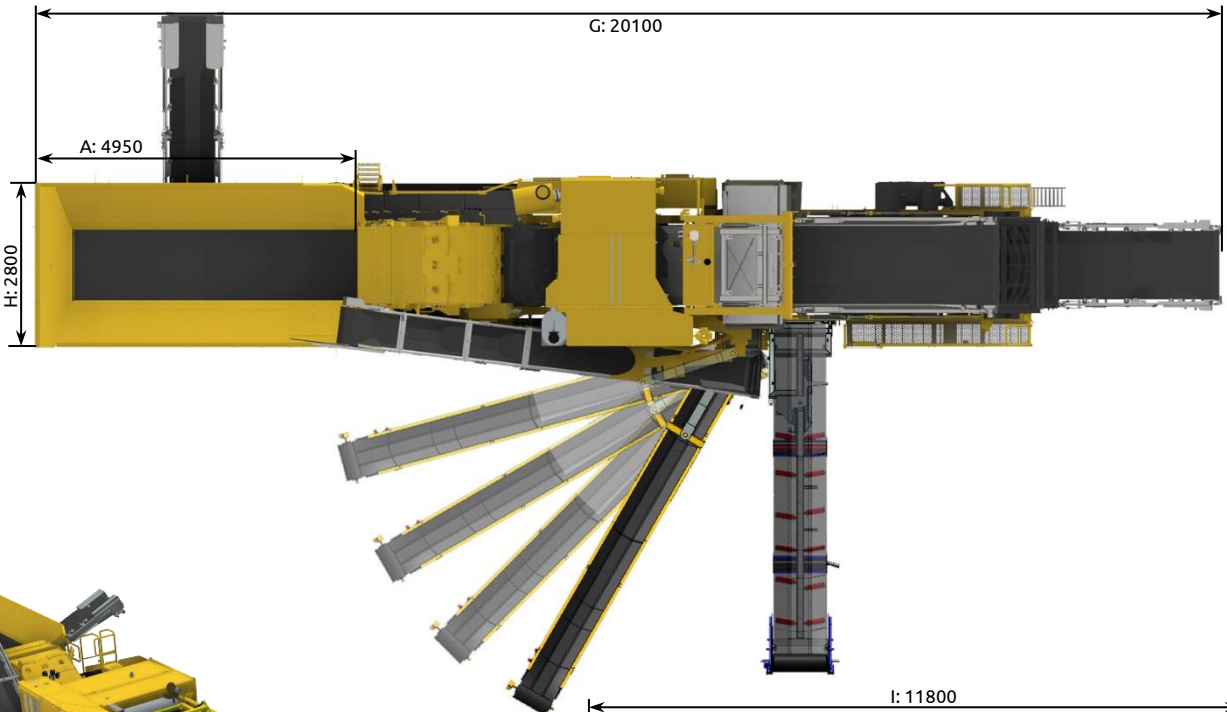


## DIMENSIONS

WITHOUT SCREEN:



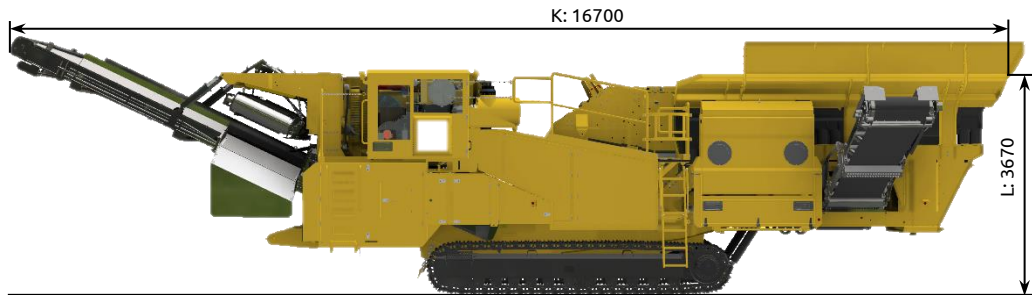
WITH SCREEN:



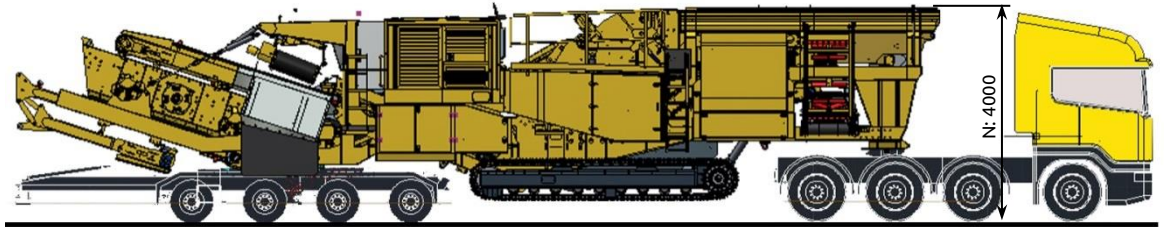


# TRANSPORT DIMENSIONS

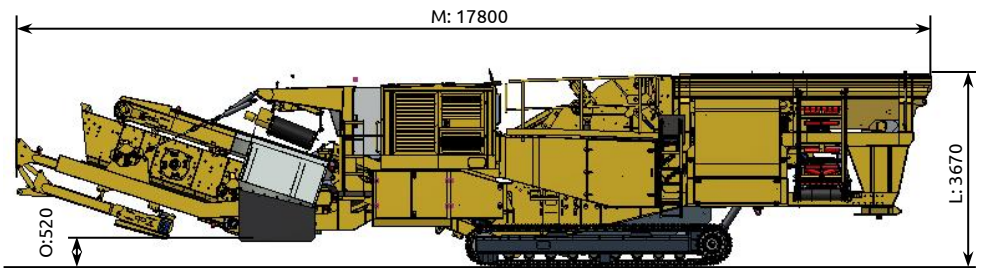
### TRANSPORT WITHOUT SCREEN:



### TRANSPORT WITH SCREEN WITH DOLLY:



### WITHOUT DOLLY:



**Weight: Approx. 49,5 t (without options)**

- Weight options:
- Magnetic separator (NEODYM) 1.200 kg
- Screen 5.820 kg
- Oversize return conveyor 1.760 kg
- Conveyor middle fraction 1.800 kg
- Conveyor pre-screening 920 kg

**Total weight with options Approx. 61 t**  
**Weight DOLLY Approx. 5.200 kg**

**Transport width with RUB: 3.200 mm (10'6")**  
**Transport width without RUB: 3.000 mm (9'10")**

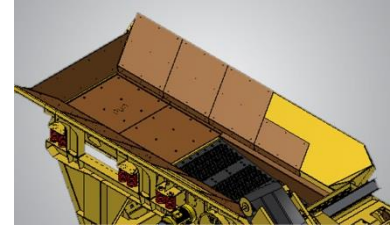
**REMARK: All pictures might show options, not included in the scope of supply**

A	B	C	D	E	F	G	H	I	J
4950	3670	4300	16700	4100	4150	20100	2800	11800	3690
16'3"	12'0"	14'1"	54'9"	13'5"	13'7"	65'11"	9'2"	39'8"	12'1"
K	L	M	N	O	P	Q			
16700	3670	17800	4000	520	4000	3000			
54'9"	12'0"	58'5"	13'1"	1'8"	13'1"	9'11"			

## TECHNICAL SPECIFICATION

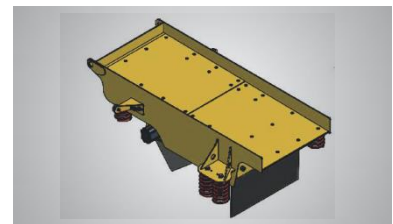
### 1) FEED HOPPER

- Type	54 FEH 100-00	
- Content	7 m <sup>3</sup>	(8,75 yard <sup>3</sup> )
- Wear lining	Wear resistant steel HB 500 (RUB discharge + bottom); Top: HB450	
	HB 500 (over total length); welded	
- Feeding height	3.670 mm right side; 3870 mm left side	(12'1")
- Feeding width	2.800 mm	(9'2")
- Feeding length	4.950 mm	(16'3")



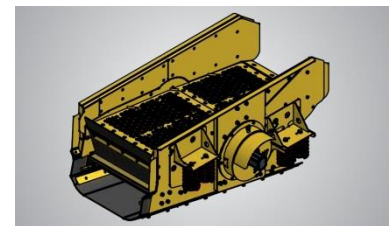
### 2) VIBRATING FEEDER

- Type	56 VIF 100-00	
- Length	2.400 mm	(7'10")
- Width	1.250 mm	(4'1")
- Drive	Hydro motor 11 kW 600 – 900 R.P.M.	(15 hp)
- Capacity	Up to 500 t/h	



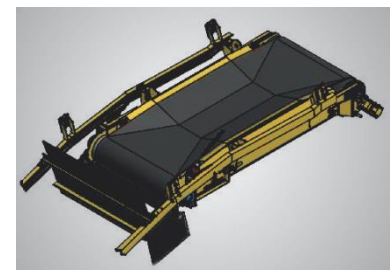
### 3) DOUBLE DECK PRE-SCREEN

- Type	56 SCS 100-00	
- Length	3.100 mm	(10'2")
- Width	1.250 mm	(4'1")
- Top deck 2 step	Hexagonal aperture: 55 mm - 80 mm ZIG ZAG aperture: 20 mm – 45 mm	(2"-3") (0,8"-1,8")
- Bottom deck	2.610 x 1.250 mm with square mesh of choice (longitudinally tensioned)	(8'7" x 4'1")
- Material flow	- fine fraction either in crusher bypass or separately stockpiled (with p/n 669460) - Intermediate fraction either in crusher bypass (lower deck bigger mesh than upper deck) or separately stockpiled (with option p/n 669460)	
- Drive	Hydro motor 15 kW; 900 – 1020 R.P.M.	(20 hp)



### 4) UNDERSCREEN CONVEYOR - GALVANIZED

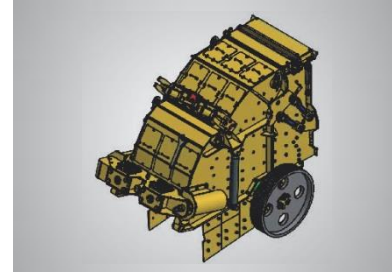
- Type	56 REC 100-00	
- Length	2.850 mm	(9'4")
- Width	1.000 mm	(3'4")
- Speed	2,09 m/s	
- Max. capacity	200 t/h	
- Drive	5 kW hydraulic motor reversible	(7,5 hp)
- Reversible belt	To feed the pre-screened material under the crusher in bypass or to the side conveyor	
- Ease of service	The conveyor can slide out for ease of service purposes.	



## TECHNICAL SPECIFICATION

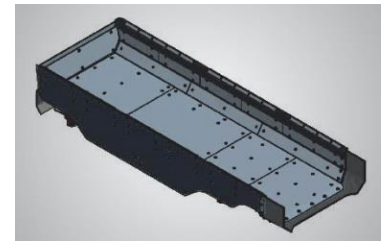
### 5) IMPACT CRUSHER

- Type	54 ICR 100-00	
- Inlet opening	970 x 1.300 mm (H x W).	(2'11" x 4'3")
- Weight impact crusher	Approx. 17.200 kg	(38.000 lb)
- Rotor width	1.250 mm	(4'1")
- Rotor diameter	1.267 mm	(4'2")
- Drive	Direct via elastic clutch, transmission gear, Turbo clutch and V-belts	
- Blow bars	2 pcs. each 315 kg + 2 pcs. each 242 kg	(700 + 530 lb)
- Rotor speed	443 RPM (29,2 m/s @ 1.500 R.P.M)	
	532 RPM (35,1 m/s @ 1.800 R.P.M)	
- Pulley diameter	Rotor 1.100 mm; motor 335 mm	(3'7"; 1'1")
- Weight rotor	Approx. 6.100 kg (without bearings)	(12.800 lb)
- Throughput capacity	up to 450 t/h	
- Impact aprons	2 pcs. with hydraulic gap setting	
- Gap upper apron	(new tools) -40 / 345 mm;	(-1,5" / 1'2")
	Dodging max. 400 mm	(1'4")
- Gap lower apron	(new tools) -115 / 140 mm;	(-4,5" / 5,5")
	Dodging max. 280 mm	(11")
- Distance rotor / feeder	340 mm	(1'2")



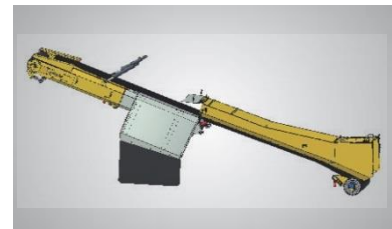
### 6) VIBRATING DISCHARGE FEEDER (Belt saving feeder)

- Type	53 DCF 200-00	
- Length	3.180 mm	(10'4")
- Width	1.300 mm	(4'3")
- Capacity	Up to 450 t/h	
- Drive	7,5 kW hydraulic motor	(10,2 hp)
- Wear lining	HB 450 + HB 500; s=10 mm	(1/2")



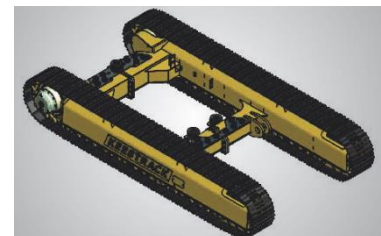
### 7) MAIN BELT CONVEYOR - GALVANIZED

- Type	56 MPC 100-00	
- Discharge height	4.100 mm	(13'5")
- Stockpile volume	Approx. 210 t ( $\gamma=1,7$ ; 37° angle of repose)	
- Length AD	8.500 mm	(27'11")
- Width BW	1.400 mm	(4'7")
- Belt speed	adjustable; standard 1,35 m/s	
- Inclination	24°	
- Drive	hydraulic motor 21 kW	(29 hp)
- Rubber belt quality	KT-Flex 630/1 6+3 Grade RS	



### 8) TRACK UNIT and TILTING CHASSIS

- Type	56 TRA 100-00	
- Length	4.300 mm	(14'1")
- Width track shoe	500 mm	(1'8")
- Total width	2.850 mm	(9'0")
- 2 speeds	0,72 km/h and 1,27 km/h	(0,5/0,8 mph)
- Drive	Hydraulic piston motor and planetary gears	
- Tilting chassis (patented)	For increased access to maintenance and inspection and for linking the machine to the DOLLY respectively to the truck. In addition, the tilting can be used for operation to increase the feed capacity in case of sticky material or hard coal crushing.	



# TECHNICAL SPECIFICATION

## 9) ENGINE UNIT

EU = Europe / US = United States  
 REM = ROW - Rest of World (except China and India)

**Legend:**  
 (a) = actual; (s) = standard; (o) = optional

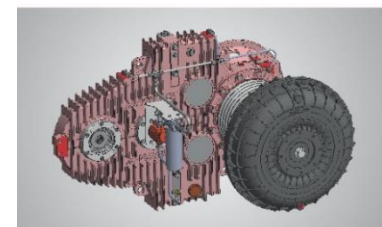
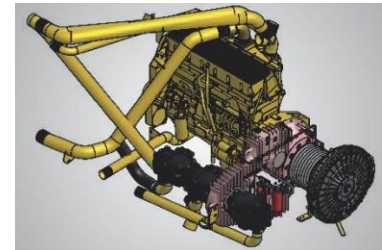
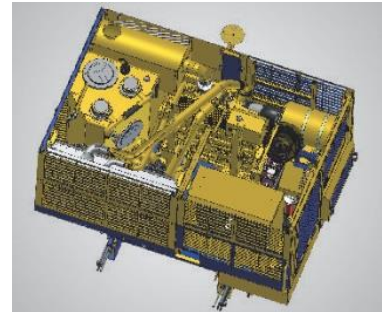
- Type	56 ENU 200-00; Diesel engine	
- Diesel Motor, Type	a) CUMMINS X15 (EU + US) - (s) b) CUMMINS X15 (REM) - (s)	p/n P000961 p/n .....
- Emission control	a) Tier 4F, EU STAGE V; DOC / SCR / DPF b) Tier 3, EU STAGE IIIA	
- Power ISO 14396	a) 447 kW @ 1.800 R.P.M. b) 447 kW @ 1.800 R.P.M.	(608 hp) (608 hp)
- Max. torque	a + b) 2.373 Nm @ 1.800 R.P.M.	(1.751 lbft)
- Motor revolution	1.500 – 2.000 R.P.M.	
- Bore hole/stroke	a+b) 137 x 169 mm	(909 cu in)
- Combustion chamber	a+b) 14.900 cm <sup>3</sup>	
- Diesel consumption	a+b) 207 g/kWh @ 1.800 R.P.M.	
- Voltage	24 Volt (For improved cold start properties)	
- Cooling	Combi cooler (water, air, diesel, hydraulic) separate hydraulic variable piston pump valve for reversing fans and fixed piston motor For cleaning purpose fold-out easily	
- Fuel	Tank 925 Litres; fuel code acc. to EN 590	(244 gal)
- Air filter	Cyclone pre-filter + dual stage fine filter	
- Engine operation	4-stroke Diesel; Direct injection, Turbo-charged and Charge Air Cooled	
- Drive crusher	Engine → power transmission gear (ratio = 1/1) → Turbo clutch → V-belt drive for crusher direct drive	
- Power transmission	Flange with elastic coupling for damping engine vibrations; Flange for hydraulic pump (track drive); Switchable toothed clutch (for emergency and service only), V-belt pulley and Turbo clutch; Pump with oil filter for lubrication of gear	
- Oil tank	720 Litres	(190 gal)
- Hydraulic drives	Load sense pumps with PVG	
- Insulation	Noise absorbing canopy	

### 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.**

Combi cooler  
 fold-out



## TECHNICAL SPECIFICATION

### 10) CONTROL

- |                                        |                                                                                     |
|----------------------------------------|-------------------------------------------------------------------------------------|
| - Type                                 | PLC – IP 67; dust and vibration proof                                               |
| - Display                              | LCD screen 7"                                                                       |
| - Operation                            | Control panel                                                                       |
| - Controller                           | Wired hand remote controller; or optional Radio remote controller (see option list) |
| <br>                                   |                                                                                     |
| - Temperature control of hydraulic oil | > 83° C protection; first feeder stops, later 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 rotor               | Included                                                                            |





## TECHNICAL SPECIFICATION - OPTIONS

### 11) DUST SUPPRESSION SYSTEM a) p/n 105559

#### b) HIGH PRESSURE p/n 101861

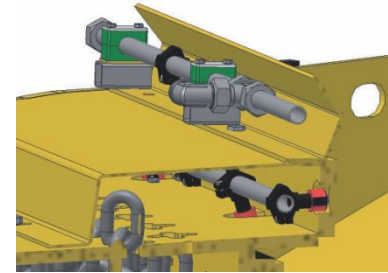
- |                     |                                                                   |
|---------------------|-------------------------------------------------------------------|
| - Type              | a) CAS 9; b) HPW 200/30-45                                        |
| - Drive             | a) Hydraulic motor 1,1 kW; b) 10 kW                               |
| - Water consumption | Max. 0,75 m <sup>3</sup> /h                                       |
| - Spraying areas    | Crusher inlet and outlet (optional end of main or fines conveyor) |

(1,5 (14) hp)

p/n 105558



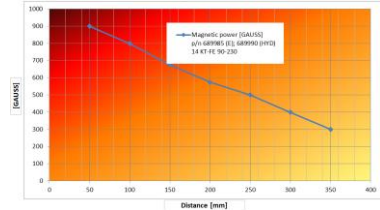
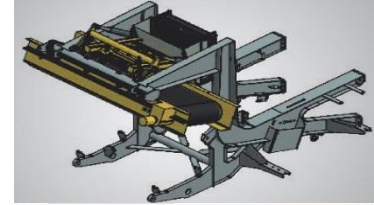
p/n 101861



## TECHNICAL SPECIFICATION - OPTIONS

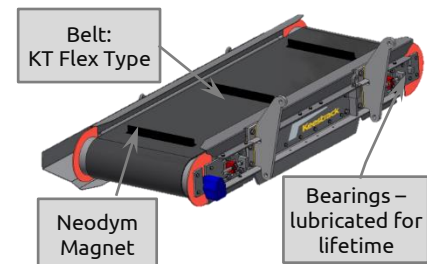
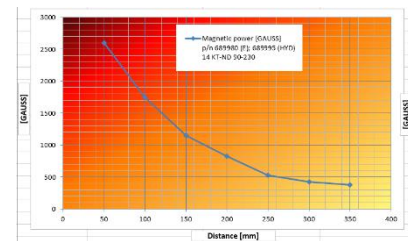
### 12) MAGNETIC SEPARATOR p/n X115499 – 14 KT-FE 90-230

- Type	14 KT-FE 90-230	
- Length	2.300 mm	(7'6")
- Width	950 mm	(2'11")
- Magnetic power	400 GAUSS at 300 mm distance	
- Magnet dimensions	1.490 x 885	(4'11" x 2'11")
- Speed	2,5 m/s	
- Drive	Hydraulic motor 5,5 kW	(7,5 hp)
- Height adjustment	Hydraulic height adjustment 150 - 345 mm	
- Weight	2.400 kg	(5.100 lb)



### 13) NEODYM MAGNETIC SEPARATOR p/n X115501

- Type	14 KT-ND 90-230	
- Belt width	950 mm	(2'11")
- Belt length (AD)	2.300 mm	(7'6")
- Magnet L x W	1.490 x 885 mm	(4'11" x 2'11")
- Magnetic power	550 GAUSS at 250 mm; 750 GAUSS at 200 mm	
- Drive	Hydraulic motor 5,5 kW	(7,5 hp)
- Speed	2,5 m/s	
- Lift able and lower able	Hydraulic 150 up to 345 mm	
- Weight	<b>1.200 kg</b>	(2.500 lb)
- Remark:	Required if DOLLY is supplied for transport weight reasons	



### 14) CENTRAL GREASING SYSTEM incl. AFTERSCREEN p/n 102027

- Cycle time	Adjustable	
- Drive	On board electric, 24 V DC	
- Weight	6 kg	(13 lb)



## TECHNICAL SPECIFICATION - OPTIONS

### 15) RADIO REMOTE CONTROL DUO 10 F PRO + JOYSTICK – Level 3

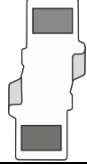



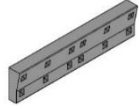

- |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| - Order no. | Remote 103413 (433 MHz for Europe)<br>..... (915 MHz for Indonesia, China, USA)<br>Sticker 101474                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| - Functions | <p>Unit 1:</p> <ul style="list-style-type: none"> <li>- Tracks forwards / backwards proportional with automatic speed control</li> </ul> <p>Unit 2:</p> <ul style="list-style-type: none"> <li>- Upper apron up / down</li> <li>- Release of crusher inlet</li> <li>- RUB +/- proportional</li> <li>- SCR start / stop</li> <li>- MPC start / stop</li> <li>- DCF start / stop</li> <li>- Vibrating feeder start / stop and +/- proportional</li> <li>- Magnetic separator auf / ab</li> <li>- Automatic start / stop</li> <li>- Engine stop</li> <li>- Machine stop button (blue)</li> <li>- Display</li> </ul> |



IMPACT CRUSHERS

## TECHNICAL SPECIFICATION - OPTIONS

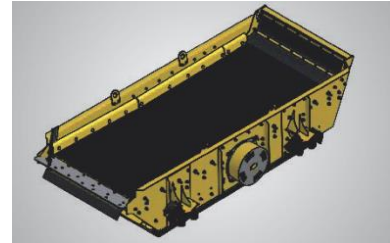
### 16) BLOW BARS and APRON LINERS

For Crusher	P/N	Material	Colour	Ca. Hardness [HRC] *	Weight [kg/pcs.]**	Application	Picture
R6, R6d, R6e	KP X114979W	Martensitic + Master ceramic (Inlay extra high)	WHITE 	54 - 58	320	Feed size < 500 mm; concrete with medium reinforcements of steel	
R6, R6d, R6e	KP X116365	High Chrome + ceramic	RED 	60 - 65	320	Asphalt, secondary crushing, feed size < 150 mm	
R6, R6d, R6e	102527	Apron liner Mn 18 Cr2	No colour		235	Concrete with reinforcement	
R6, R6d, R6e	102530	Apron liner High Manganese Mn18Cr2	No colour		78		

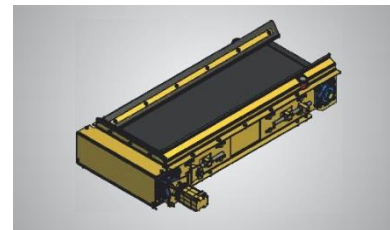
## TECHNICAL SPECIFICATION - OPTIONS

### 17) BUILT ON DOUBLE DECK SCREEN with OSR, RUB, FCO p/n 105557

<b>SCREENBOX</b>	<b>53 SCR 500-00 H</b>	
- Width	1.500 mm	(5'0")
- Length	4.500 mm (without feeding tray)	(14'9")
- Drive	Hydraulic 11 kW	(15 hp)
- Tensioning system	Each deck 3 screen nets, mechanically side tensioned	
- Decks	2 Decks	



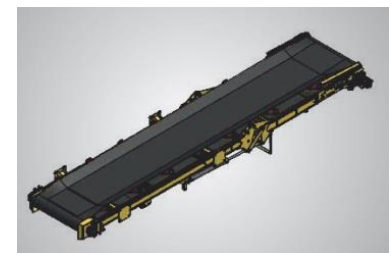
<b>OVERSIZE CONVEYOR</b>	<b>56 OSR 100-00 – GALVANIZED</b>	
- Length AD	1.900 mm	(6'3")
- Width BW	650 mm	(1'2")
- Drive	Hydraulic 4 kW	(5,5 hp)



<b>RECYCLING CONVEYOR</b>	<b>56 RUB 100-00 – GALVANIZED</b>	
- Length AD	7.680 mm	(25'2")
- Width BW	650 mm	(2'1")
- Belt speed	Adjustable; standard 1,15 m/s	
- Inclination	26°	
- Drive	Hydraulic 7,5 kW	(10,2 hp)
- Max capacity	120 t/h	
- Rubber belt	EP 400/3 4+2 (Chevron)	
- Application	The conveyor can either be used for oversize recycling to the crusher or as stockpile conveyor for the oversize fraction. Hydraulic swivelling mechanism.	

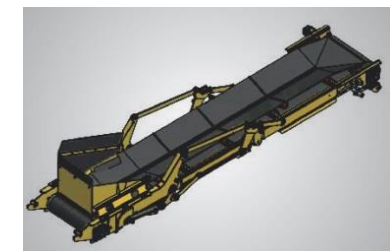


<b>FINES CONVEYOR</b>	<b>53 FCO 500-00H – GALVANIZED</b>	
- Length AD	6.800 mm	(22'3")
- Width BW	1.200 mm	(4'0")
- Discharge height	4.150 mm	(13'7")
- Belt speed	Adjustable; standard 1,15 m/s	
- Inclination	25°	
- Drive	Hydraulic 11 kW	(15 hp)
- Stockpile volume	Approx. 220 t ( $\gamma=1,7; 37^\circ$ )	
- For transport / service	Hydraulically fold-able	



### 18) PRE-SCREENING STOCKPILE CONVEYOR LEFT or RIGHT SIDE – GALVANIZED p/n 699995

- Type	54 LSC 100-00 H	
- Length AD	5.400 mm	(17'9")
- Width BW	800 mm	(2'7")
- Discharge height	3.690 mm	(12'1")
- Belt speed	Adjustable; standard 1,15 m/s	
- Inclination	22°	
- Drive	Hydraulic 5,5 kW	(7 hp)
- Stockpile volume	Approx. 150 t ( $\gamma=1,7; 37^\circ$ )	
- For transport	Hydraulically fold-able	



IMPACT CRUSHERS

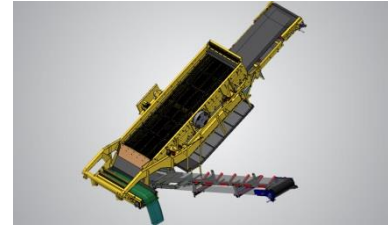


## TECHNICAL SPECIFICATION - OPTIONS

### 19) RIGHT SIDE CONVEYOR FOR MIDDLE FRACTION – GALVANIZED

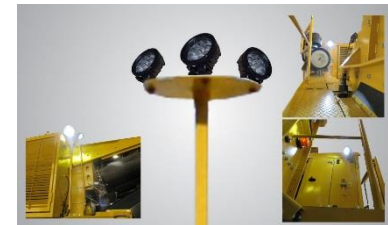
p/n X116508

- Type	56 RSL 100-00	
- Length AD	6.400 mm	(26´10")
- Width BW	800 mm	(2´7")
- Belt	EP 400/3 3+1,5 L63 CHEVRON	
- Discharge height	3.000 mm	(13´1")
- Belt speed	Adjustable; standard 1,15 m/s	
- Inclination	22°	
- Drive	Hydraulic motor 5,5 kW	(7 hp)
- Stockpile volume	Approx. 200 t (γ=1,7; 37°)	
- For transport	Hydraulically fold-able	



### 20) WORKING LIGHTS

- Standard: 6 lamps	p/n 701006 (Tower 4 + 1 + 1)	
- Option: 6 + 6 lamps	p/n 103409 (2 x Tower 4 + 1 + 1)	
	LED lights 12/24 V; 45 W	
	each lamp: 9 pcs. LED's (p/n 205147)	
	4500 Lumen	
- protection degree	IP69K	(20 lb)
- Weight	9 kg	



### 21) FUEL FILLING PUMP p/n 101945 or 701030

- with automatic stop	p/n 701030	
- Weight	10 kg	(22 lb)
- Model	F 80-24-1"	
- Capacity	80 l/min	
- Filter	3 micron with water absorbent media	
- Suction hose	¾" 1,5 m long	
- Drive	On board-electric 24 V DC	



### 22) SERVICE GENERATOR SET AND AIR COMPRESSOR p/n 751000

- Type Generator	DYNASET HG 10 kVA (for service and drive of compressor)	
- Drive	Hydraulically driven	
- sockets for service	1 x 400 V, 16 A and 2 x 230 V, 16 A	
- Air volume	590 l/min at 6 bar with air filter	
- Suction air volume	840 l/min	
- Air pressure	Max. 10 bar	
- Weight	170 kg	(370 lb)



### 23) WHEELED DOLLY (4 axles) p/n 101843

- axle load	40 t (35 t machine weight)	
- king pin load	22,5 t; approved by TÜV NL/BE/DE	
- first 2 axles	fix	
- last 2 axles	trailer steered	
- Weight	5.200 kg	(11.000 lb)
- Remark	For transport, the right side conveyor or RUB, the blow bars and the side dirt conveyor have to be removed	



## TECHNICAL SPECIFICATION - OPTIONS

### 24) WHEELED DOLLY (4 axles) p/n 103223

- Total axle load	max. 48 t, each axle 12 t	
- 1 axle	fix	
- 3 axles	trailer steered with VSE-control	
- Remark	without certification costs	
- weight	6.000 kg	(13.227 lb)

### 25) PREPARATION FOR DOLLY p/n 103777

- Contains	Lights, air pressure pipework, air pressure tank, ...	
- Weight	50 kg	(110 lb)

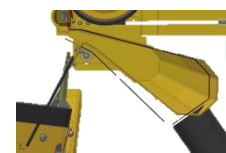
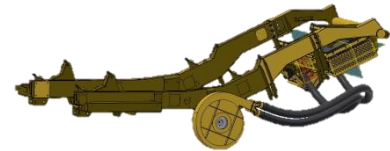
### 26) BELT SCALE MCL or FCO p/n 101392; LSC p/n 103036

- System	Weight recording
- Display	Feed capacity summary, daily feed capacity, actual capacity, belt speed
- Components	Roller station for weight take-up Speed take-up station Display with electronic unit with printer and data transfer



### 27) WINDSIFTING (AIR KNIFE) for OVERSIZE FRACTION p/n X105618

- Fan diameter	710 mm	
- Installed power	Hydraulicmotor 15 kW @ 2.800 R.P.M.	
- Hoses	2 pieces dia. 114 mm	
- Air volume	39 m³/min @ 10.000 Pa	
- Weight	267 kg	(588 lb)



IMPACT CRUSHERS

## TECHNICAL SPECIFICATION - OPTIONS

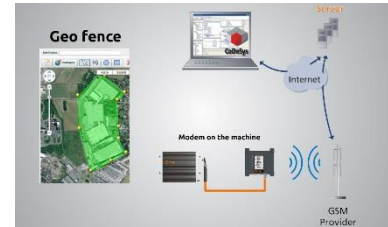
### 28) UMTS MODEM WITH GPS TRACKING SYSTEM "KEESTRACKER"

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.
- SIM Card integrated, for 1 year free of charge



### 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:

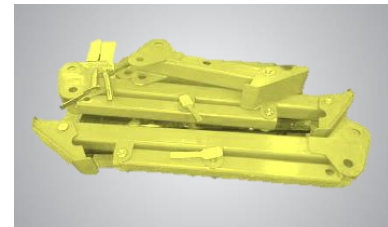
- Location data of the machine
- Machine usage data (such as: performance of the engine and other functions)

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.

### 29) SUPPORTING LEGS FOR AFTER SCREEN p/n 101468

- application 4 pcs. supporting legs
- weight 183,6 kg (405 lb)



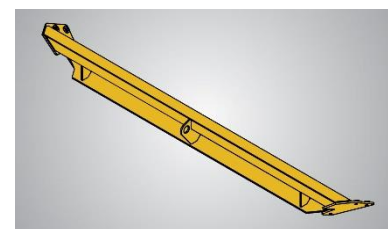
### 30) WALKWAY FOR SCREEN - LEFT SIDE p/n 699439

- description additional walkway on the left side
- weight 143 kg (315 lb)



### 31) HOPPER BACK WALL EXTENSION p/n 645600

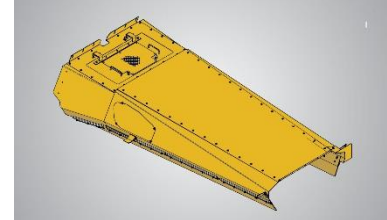
- dimensions H = 210 mm; HB450
- weight 90 kg (198 lb)



## TECHNICAL SPECIFICATION - OPTIONS

### 32) DUST COVER MPC p/n 666855

- length	3.900 mm	(13')
- weight	360 kg	(794 lb)



### 33) HEATING SYSTEM for ENGINE UNIT p/n 203460

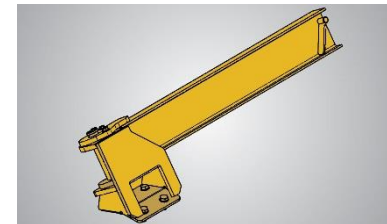
- Heating power	up to 9,1 kW;
- Fuel consumption	0,19 - 1,1 l/h
- Voltage / Watt	24V; 37-90 W
- Operating temperature	-40°C - + 80°C
- Weight	4,8 kg
- Additional	Incl. timer for 3 starting times and temperature pre-selection



HEATING SYSTEM FOR ENGINE

### 34) SWIVELLING HOIST p/n X109590

- description	for changing blow bars (without crane)	
- weight	69 kg	(152 lb)

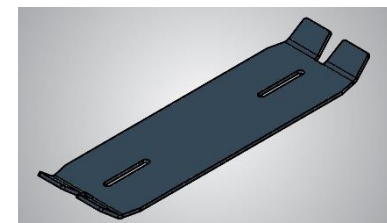


### 35) SALT SPRAY PROTECTION COAT p/n 103572

- Type	WAX KX100
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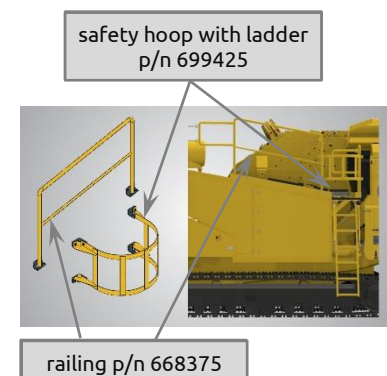
### 36) TRACK PADS FOR CRAWLERS p/n X105422

- Type	s= 5 mm; HB 500	
- weight	273 kg	(602 lb)



### 37) SAFETY KIT p/n 699425 and p/n 668375

- safety hoop with ladder for access platform	12 kg; p/n 699425	(26 lb)
- railing	14 kg; p/n 668375	(31 lb)



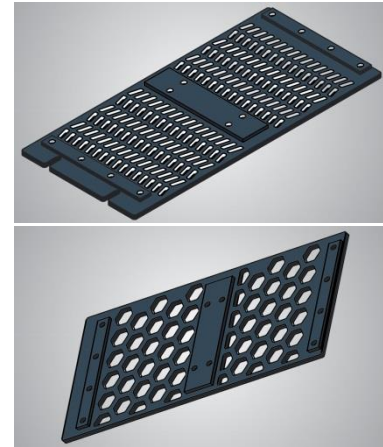
safety hoop with ladder p/n 699425

railing p/n 668375

## TECHNICAL SPECIFICATION – SCREEN CHOICE

### 38) SCREENS for TOP DECK of PRE-SCREEN

	p/n	Dimensions	Thick-ness [mm]	Hardness
BLINDPLATE	X111423	BLINDPLATE	12	HB 450
ZIG ZAG	X111424	ZIG ZAG 20 x 65 mm	20	HB 450
	X111425	ZIG ZAG 25 x 70 mm	20	HB 450
	X111426	ZIG ZAG 30 x 95 mm	20	HB 450
	X111427	ZIG ZAG 38 x 130 mm	20	HB 450
	X111428	ZIG ZAG 45 x 125 mm	20	HB 450
HEXAGONAL	X113921	HEXAGONAL 55 mm	20	HB 450
	X111429	HEXAGONAL 64 mm	20	HB 450
	X111430	HEXAGONAL 70 mm	20	HB 450
	X111431	HEXAGONAL 80 mm	20	HB 450



### 39) SCREENS for BTOM DECK of PRE-SCREEN

Square mesh

p/n	Dimensions
202803	15 x 15 x 3 mm
202801	20 x 20 x 4 mm
202765	22 x 22 x 4 mm
202769	25 x 25 x 7 mm
202802	30 x 30 x 5 mm
202890	40 x 40 x 7 mm
202795	50 x 50 x 8 mm



### 40) SCREENS for AFTER SCREEN

Square mesh  
(TD and BD is the same; for each deck 3 screens are necessary)

p/n	Dimensions
202770	8 x 8 x 2,5 mm
202782	12 x 12 x 3 mm
202781	17 x 17 x 4 mm
202825	22 x 22 x 4 mm
202771	25 x 25 x 5 mm
202880	30 x 30 x 5 mm
202799	32 x 32 x 5 mm
202787	35 x 35 x 7 mm
202790	40 x 40 x 8 mm
202870	45 x 45 x 8 mm
202824	50 x 50 x 8 mm
202786	55 x 55 x 8 mm
202780	60 x 60 x 10 mm
202804	70 x 70 x 10 mm
202806	100 x 100 x 12,5 mm



IMPACT CRUSHERS