

CLASSIFIER C4

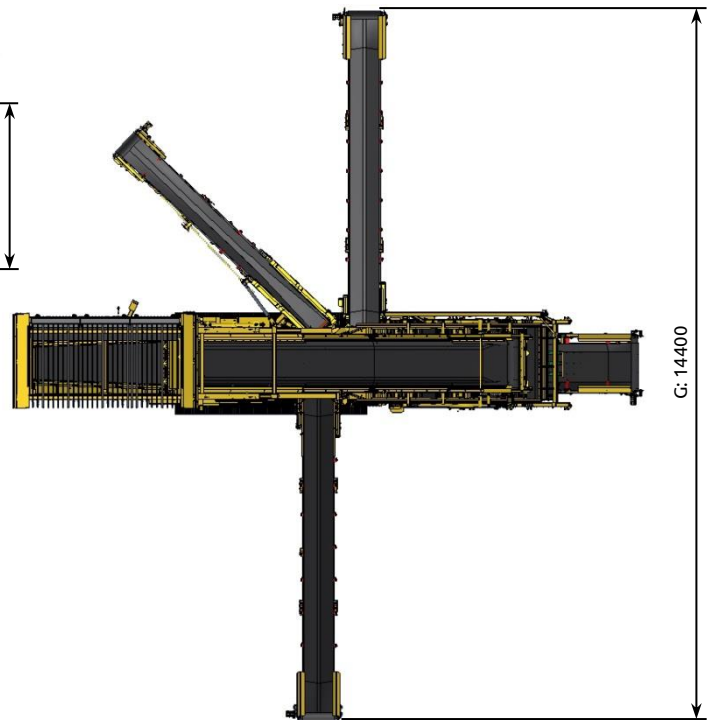
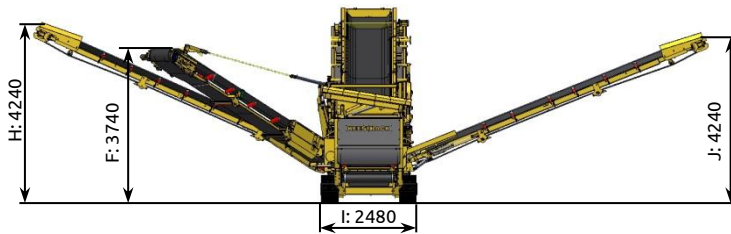
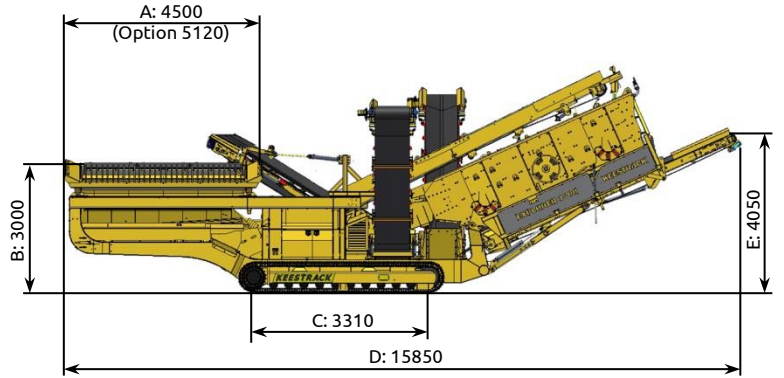
4-WAY-SPLIT



available from China for the NON-regulated markets

DIMENSIONS

OPERATION:

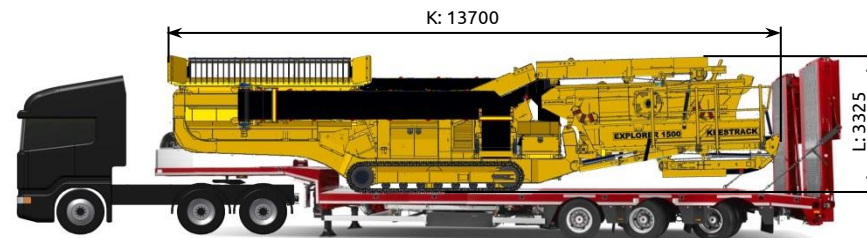


Weight: approx. 28 t (without options)

- Weight options:
- Magnetic separator + approx. 2.350 kg
- Feeding width extension + approx. 60 kg
- Wear lining hopper + approx. 230 kg
- Conveyor LSB telescopic + approx. 150 kg

Transport width 2.800 mm (9'2")

TRANSPORT:



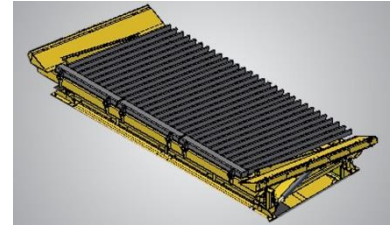
REMARK: All pictures might show options, not included in the scope of supply

A	B	C	D	E	F	G	H	I	J	K	L
4500	3060	3310	15850	4050	3740	14400	4240	2480	4240	13700	3325
14'9"	10'0"	10'10"	52'0"	13'3"	12'3"	47'3"	13'11"	8'2"	13'11"	44'11"	10'11"

TECHNICAL SPECIFICATION

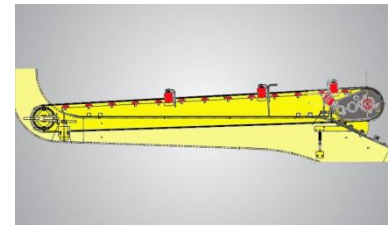
1) FEED HOPPER

- Content	8,1 m ³ ; with hopper extension 750 mm p/n 612700: 13 m ³	(10 yard ³)
- Design	Wear resistant steel HB 450	
- Feeding height	3.060 – 3.520 mm (without grid 2.400 mm)	(10'1" - 11'6")
- Feeding length lateral	4.500 mm	(14'9")
- Grid angle	Hydraulic adjustable 13, 14, 18, 24 and 28°	
- Grid opening	100 mm (p/n 661207)	(4")
	122 mm (p/n 661209)	(5")
	135 mm (p/n 661210)	(5,5")
	150 mm (p/n 661211)	(6")



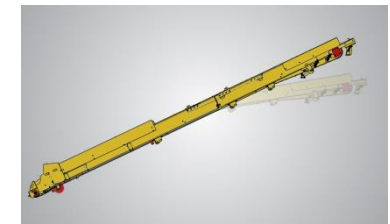
2) BELT FEEDER

- Model	60 BFR 102-00	
- Full adjustable speed	0 - 6,1 m/min	(0 - 20 ft/min)
- Axle distance	3.467 mm	(11'5")
- Belt width	1.200 mm	(3'11")
- Belt	EP 630/4 6+2 Grade Y	
- Drive	Hydraulic with gearbox 7,5 kW	(10,2 hp)
- Feed capacity	300 t/h	



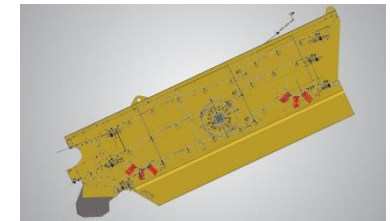
3) MAIN CONVEYOR

- Model	41 MCL 102-00	
- Length	8.600 mm	(28'3")
- Width	1.200 mm	(3'11")
- Drive	Hydraulic 15 kW	(20,4 hp)
- Rubber belt quality	EP 400/3 4+2 Grade N 17	



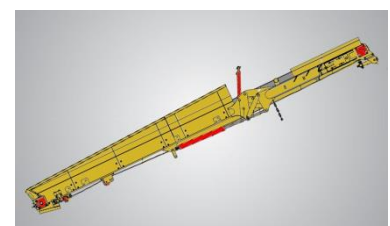
4) TRIPPLE DECK SCREEN

- Model	41 SCR 100-00	
- Length x width	3.600 mm x 1.500 mm	(11'10"x5')
- Effective screen area	3 x 5,4 m ²	
- Screen	Steel wire: Each deck 2 pcs. end tensioned	
- Drive	Hydraulic 15 kW	(20 hp)
- Access walkway	On the left and right side; for transport hydraulically foldable; width 600 mm; with ladder on both sides	



5) UNDERSCREEN CONVEYOR (fine fraction)

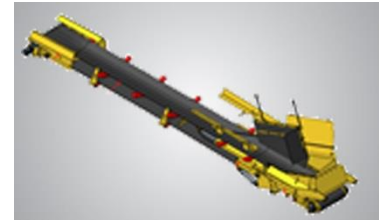
- Model	40 USC 100-00	
- Length	6.790 mm	(22'4")
- Width	1.200 mm	(3'11")
- Drive	7,5 kW hydraulic motor	(11 hp)
- Rubber belt quality	EP 400/3 4+2	
- Transport	Hydraulically fold-able	
- Stockpile volume	approx. 210 t ($\gamma=1,7$; 37° angle of repose)	



TECHNICAL SPECIFICATION

6) STOCKPILE BELT CONVEYOR LEFT (middle fraction fine)

- Model	41 LSL 105-00-H	
- Length	8.500 mm	(27'11")
- Width	650 mm	(2'2")
- Drive	Hydraulic 7,5 kW	(10,2 hp)
- Rubber belt quality	EP 400/3 3+1,5 V-385 Chevron 635/15	
- Transport	Hydraulically fold-able	
- Stockpile volume	approx. 240 t ($\gamma=1,7$; 37° angle of repose)	



7) STOCKPILE CONVEYOR RIGHT (middle fraction coarse)

- Model	41 RSL 105-00-H	
- Length	8.500 mm	(27'11")
- Width	650 mm	(2'2")
- Drive	Hydraulic 7,5 kW	(10,2 hp)
- Rubber belt quality	EP 400/3 3+1,5 V-385 Chevron 635/15	
- Transport	Hydraulically fold-able	
- Stockpile volume	approx. 240 t ($\gamma=1,7$; 37° angle of repose)	



8) STOCKPILE BELT CONVEYOR LEFT (coarse fraction)

- Model	41 LSB 300-00	
- Length	6.560 mm	(21'6")
- Width	650 mm	(2'2")
- Drive	Hydraulic 7,5 kW	(10,2 hp)
- Arrangement to frame	35 – 48 degrees; adjustable with spindle	
- Rubber belt quality	EP 400/3 3+1,5 V-385 Chevron Grade N16	
- Transport	Hydraulically fold-able	
- Stockpile volume	approx. 165 t ($\gamma=1,7$; 37° angle of repose)	



9) TRACK - UNIT

- Model	40 TRA-100-00	
- Length	3.310 mm	(10'10")
- Width track shoe	400 mm	(1'4")
- Total width	2.550 mm	(8'4")
- 2 speeds	1,32 km/h and 2,28 km/h	(0,8/1,5 mph)
- Drive	Hydraulic piston motor and planetary gears	



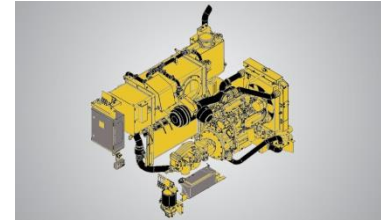
TECHNICAL SPECIFICATION

10) ENGINE UNIT

- Model	41 ENU 101-00	
- Diesel engine type	DEUTZ TCD 2.9 L04, 4 cylinder in-line	(p/n 101322)
- Emission control	Tier 4i; EU STAGE IIIB; DOC (Option DPF)	
- Power acc. to ISO 14396	55,4 kW / 1.800 R.P.M.	(75 hp)
- Max. torque	300 Nm / 1.600 R.P.M.	(221 lb ft)
- Engine speed	1.800 R.P.M.	
	Low engine speed for low fuel consumption	
- Bore / Stroke	92 / 110 mm	(3,6" x 4,4")
- Displacement	2.920 cm ³	(178 cuin)
- Voltage	24 V (for improved cold start properties)	
- Battery	64035, 140 Ah-460 A	
- Electrical starter	24 Volt, 3kW	
- Alternator	28 V; 55 A	
- Engine Operation	4-stroke Diesel direct injection turbo-charged	
- Cooling	water-cooled	
- Pushing Fan	550 diameter	
- Air Cleaner	dry type air-cleaner with cyclone pre-cleaner primary and safety elements	
- Fuel tank	330 litres	(87 gal)
- Fuel pre-filter	with water separator	
- Fuel code	according to EN 590	
- Consumption	215 g/kWh / 1.600 R.P.M. (typical 9 - 11 l/h)	

ATTENTION

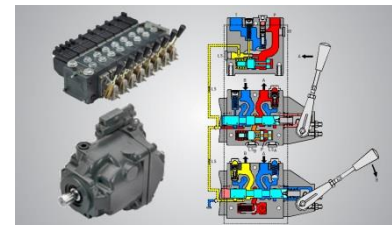
Engine warranty expires in case non genuine Keestrack filters are used!



11) HYDRAULIC

Hydraulic main pump	Variable flow, swash plate pump load sense open loop circuit 100 cc	
Max. flow	180 + 68 + 40 = 288 l/min at 1800 R.P.M.	(75 gpm)
Max. pressure	265 bar	(3.770 psi)
Pump regulation	servo hydraulic load sensing regulation, pressure compensation, flow compensation automatic flow optimizer	
Hydraulic pump II	Fixed flow 38 cc gear pump (for LSB)	
Hydraulic pump III	Fixed flow 22 cc gear pump (for USC)	
Hydraulic tank	400 l	(123 gal)
Hydraulic oil filter	1 full flow filter in return line with integrated fine filter area (10 µm)	
Hydraulic oil cooler	Integrated compact cooler, with water and air cooling package	
Hydraulic valves	PVG 32 proportional 6 bank valve	

With „Load sensing“ hydraulic pumps, the fuel consumption is reduced by approx. 20-25%, compared to standard hydraulic systems.



TECHNICAL SPECIFICATION

12) CONTROL

- Type	PLC – IP 67; dust and vibration proof	p/n 103485
- Display	LCD screen 4,3"	
- 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 screen box	Included	



TECHNICAL SPECIFICATION - OPTIONS

13) UMTS MODEM WITH GPS TRACKING SYSTEM "KEESTRACKER" (without SIM card) p/n 102971

- Functions
 - Real time access to Diesel engine, parameters of components and alarms.
 - WEB portal: position of the machine can be displayed on Google Maps; a geo-fence can be generated.



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)

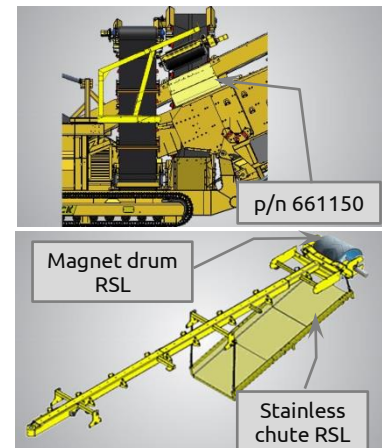
The Buyer acknowledges that this information does not constitute confidential business information of the Buyer. The Buyer provides its explicit consent for this data collection and takes appropriate technical and organizational measures to ensure that natural persons cannot be identified by these mechanical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

14) MAGNETIC SEPARATOR MCL p/n 101094 - 12 KT 8

- Type 12 KT 8 for MCL
- Length 1.950 mm (6'5")
- Width 900 mm (2'11")
- Magnetic power 400 GAUSS at 300 mm distance
- Magnet dimensions 1.240 x 850 mm (4'1" x 2'9")
- Speed 2,5 m/s
- Drive Hydraulic motor 5,5 kW (7,5 hp)
- Weight 2.050 kg (2.300 lb)
- Frame for Magnet MCL p/n 661097; 240 kg (500 lb)
- Discharge chute MCL p/n 661150; 54 kg (110 lb)

- Magnet drum RSL with Discharge chute p/n 661695; chute 3 m; 1000 mm; for transport disassembled; 112 kg; (235 lb)



TECHNICAL SPECIFICATION - OPTIONS

15) RADIO REMOTE CONTROL – Level 2

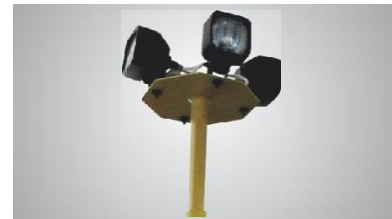
- Order no. Remote 103162
 Sticker 101471

- Functions - Tracks forwards / backwards
 with automatic speed control
 - Tilting grid up / down
 - Belt feeder start / stop and + / -
 - Automatic start / stop
 - RSL start / stop and + / -
 - Machine stop button (blue)
 - Display



16) WORKING LIGHTS p/n 611447 or 701006

- 4 lamps p/n 611447
 Halogen light wide flood 24 V; 55 W (4)
- 4 lamps LED p/n 701006
 LED light 40 W;
 3.000 Lumen (4)



17) 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 absorbent media
- Suction hose ¾" 1,5 m long
- Drive On board-electric 24 V DC



18) ANTI CLOGGING SYSTEM p/n 102382

- Application To be used for bottom deck if the feed material is
 sticky and the deck is clogging
- Weight 30 kg (per deck) (65 lb)



19) Options MCL and USC

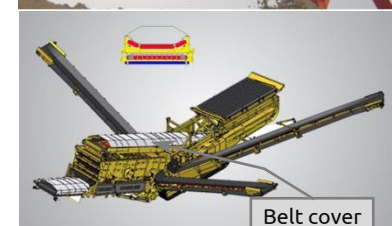
TUNGSTEN SCRAPERS

- Application For wet and sticky material
- Available parts p/n 760002: Tungsten scraper MCL + USC



BELT COVER

- Fixation for MCL and FCO; p/n 760005
- Weight with expander belt 90 kg (190 lb)



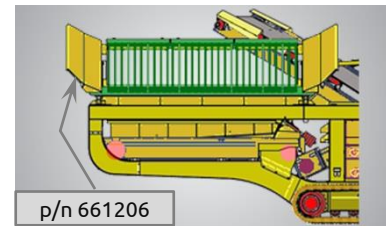
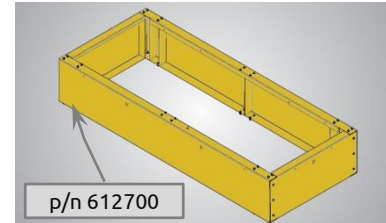
TECHNICAL SPECIFICATION - OPTIONS

20) Options to STANDARD HOPPER

HOPPER EXTENSIONS	H=750 mm; p/n 612700	
- Weight	approx. + 550 kg	(+1.200 lb)
- Hopper volume	13 m ³	(16 yard ³)

FEEDING WIDTH EXTENSIONS	On the right and left side of the hopper p/n 661206; + 60 kg	(+ 130 lb)
- Feeding width	5.120 mm	(16' 10")

WEAR LINING HOPPER	Wear lining HB 450; s=8 mm p/n 662500; + 230 kg	(+ 490 lb)
---------------------------	--	------------



21) DRIVEN VIBRATING GRID, SINGLE DECK (above hopper)

- Inclination	Hydraulically adjustable 10, 12, 14, 16°	
- Feeding height	3.275 - 3.455 mm acc. to inclination	(10' 9" - 11' 4")
- Feeding width	4.050 mm	(13' 3")

Model with grizzly	60 VBF 100-00; p/n 662520	
- Screens	Opening conical: 50/80 mm; p/n 663527	(3")
	Opening conical: 70/100 mm; p/n 662524	(4")

Model with Screen	60 VBF 100-01-00 K12; p/n 662621	
- Length x width	1.730 mm x 2.970 mm	(5' 8" x 9' 9")

- Effective screen area	7,8 m ²	
- Screens	a) Punched plates hexagonal: 2 pcs. tensioned longitudinally; HB 450	
	Opening 85 mm: p/n 662373	(3 1/3")
	Opening 100 mm: p/n 662459	(4")
	Opening 120 mm: p/n 203987	(5")
	Opening 150 mm: p/n 695945	(6")

- Drive	Hydraulic 11 kW	(15 hp)
- Weight	+ approx. 1.500 kg	(+ 3.150 lb)



With grizzly

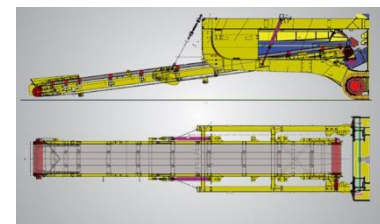
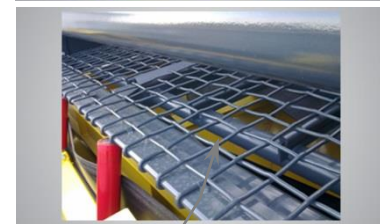


With screen

TECHNICAL SPECIFICATION - OPTIONS

22) DRIVEN VIBRATING GRID, DOUBLE DECK (above hopper)

- Type	60 GVI 200-00; p/n 660640	
- Inclination	Hydraulically adjustable 0, 5, 10, 15, 20°	
- Feeding height	3.180 - 3.692 mm acc. to inclination	(9'9" - 12'1")
- Feeding width	3.578 mm	(11'9")
- Upper deck with grizzly	Opening: 80 mm; p/n 641254	
	Opening conical: 90/120 mm; p/n 661385	(3")
- Lower deck screen	40 mm – 100 mm	(1,5" - 4")
- Length x width	2.180 mm x 3.600 mm	(7'2" x 11'10")
- Effective screen area	5,1 m ²	
- Screens	a) Welded wire mesh: 2 pcs. tensioned longitudinally; HB 450	
	Opening 40 x 40 x 10 mm: p/n 640808	(1 ½")
	Opening 70 x 70 x 10 mm: p/n 640880	(2 ¾")
	Opening 80 x 80 x 12 mm: p/n 202653	(3 ¼")
	Opening 100 x 100 x 12 mm: p/n 661645	(4")
	b) Wire mesh in various openings p/n662750	
- Drive	Hydraulic 11 kW	(15 hp)
- Weight	+ approx. 2.200 kg	(+ 4.620 lb)



23) BELT FEEDER (low infeed conveyor)

- Type	800 x 13.500 mm; p/n 663100
- Belt	1EP 400/3 4+2
- Transport	Hydraulically foldable

24) WITHOUT TIPPING GRID p/n 701003

- Application	For direct feed from pre-arranged plant
---------------	---



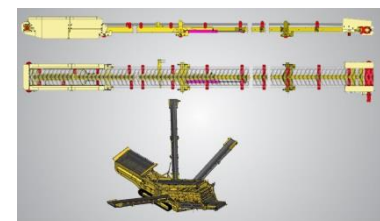
25) SHREDDER AFTER BELT FEEDER p/n 740002

- Application	For release of clogging lumps in the feed material (topsoil)
---------------	--



26) TELESCOPIC CONVEYOR for coarse fraction p/n 640710

- Model	41 LSB 201-00	
- Length	11.600 mm	(38'0")
- Width	650 mm	(2'2")
- Drive	Hydraulic 11 kW	(15 hp)
- Rubber belt quality	EP 400/3 4+2 V-440 Chevron Grade N17	
- Transport	Hydraulically fold-able and hydraulically telescoped	
- Telescoping procedure	Insert pin, extend hydraulically, remove pin, cylinder back a.s.o.	
- Stockpile volume	approx. 630 t ($\gamma=1,7$; 37° angle of repose)	
- Weight	+ 150 kg (transport length + approx. 1 m)	(+ 320 lb)



TECHNICAL SPECIFICATION - OPTIONS

27) Options for HYDRAULIC, ENGINE UNIT and CONTROL

HEATER ON FUEL PRE-FILTER WITH WATER SEPARATOR 7 micron	24 V: p/n 101274 12 V: p/n 101270
HEATING SYSTEM FOR ENGINE	p/n 701017
- 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
EXTENDED HYDRAULIC PUMP	130 ccm (instead of 100 ccm); p/n 101822;
POWERCORE AIR PRE FILTER	For extremely dusty surroundings; p/n 102669
ENGINE COLD START (pre-heating) (for DEUTZ BF 4 M 2012 only)	p/n 102324
TROPICAL THERMOSTAT (for DEUTZ BF 4 M 2012 only)	p/n 105180

28) WASHING SCREEN (without USC) p/n

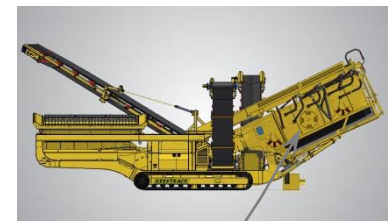
- Model	61 WAS 100-00	
- length x width	3.600 mm x 1.500 mm	(14'9" x 5'11")
- Effective screen area	3 x 5,4 m ²	
- Deck mesh	3 pcs. tensioned lengthwise each	
- Drive	Hydraulic 15 kW	
- Water lines	Top deck 5, middle deck 4, bottom deck 4 lines; each line 2" can be closed with ball valve	
- Nozzles	59 pcs.; water consumption each 40 l/min	
- Water consumption	Totally 140 m ³ /h at min. 2 bar at the flange; water pump not KEESTRACK's scope of supply	
- Water connection	Flange 6" DIN 2576; pressure side	
- Suspension discharge	to box 800 x 800 x 600 mm and tube 10"	



HEATING SYSTEM FOR ENGINE



POWERCORE AIR PRE-FILTER



Washing screen

Water supply flange 6"



Suspension discharge 10"

59 pcs. nozzles



TECHNICAL SPECIFICATION – SCREEN NETS

01) TOP, MIDDLE AND BOTTOM DECK

WOVEN WIRE MESH

Spi 1440 + 2360 mm

Spl 1460 mm

p/n	Description
202056	SCR MESH 2 x 2 x 1,25 mm
202568	SCR MESH 3 x 3 x 1,6 mm; stainless
202229	SCR MESH 3 x 3 x 2 mm
202594	SCR MESH 5 x 5 x 2 mm
202571	SCR MESH 5 x 5 x 2 mm; stainless
202230	SCR MESH 6 x 6 x 2 mm
202105	SCR MESH 8 x 8 x 2,5 mm
202106	SCR MESH 10 x 10 x 2,5 mm
202792	SCR MESH 10 x 10 x 2,5 mm; stainless
103331	SCR MESH 11 x 11 x 2,5 mm
202107	SCR MESH 12 x 12 x 2,5 mm
202108	SCR MESH 15 x 15 x 3 mm
202817	SCR MESH 15 x 15 x 3 mm; stainless
202153	SCR MESH 18 x 18 x 4 mm
202109	SCR MESH 20 x 20 x 4 mm
202225	SCR MESH 22 x 22 x 4 mm
202110	SCR BMESH 25 x 25 x 5 mm
202111	SCR MESH 30 x 30 x 5 mm
202155	SCR MESH 35 x 35 x 7 mm
202112	SCR MESH 40 x 40 x 8 mm
202379	SCR MESH 45 x 45 x 8 mm
202113	SCR MESH 50 x 50 x 8 mm
202114	SCR MESH 80 x 80 x 12,5 mm
202255	SCR MESH 55 x 55 x 8 mm
202187	SCR MESH 60 x 60 x 10 mm
202397	SCR MESH 65 x 65 x 9 mm
202398	SCR MESH 70 x 70 x 9 mm
202399	SCR MESH 75 x 75 x 9 mm
202114	SCR MESH 80 x 80 x 12,5 mm
202555	SCR MESH 85 x 85 x 12,5 mm
202597	SCR MESH 90 x 90 x 12,5 mm
202721	SCR MESH 100 x 100 x 10 mm



HARP SCREEN

Advantages:

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

p/n	Description
202843	SCR BD HARP 3 x 200 x 1,6 mm, stainless
202400	SCR BD HARP 4 x 200 x 1,6 mm
202214	SCR BD HARP 5 x 130 x 2 mm
202094	SCR BD HARP 6 x 200 x 2 mm
202092	SCR BD HARP 8 x 130 x 2 mm
202095	SCR BD HARP 8 x 200 x 2 mm
202096	SCR BD HARP 10 x 200 x 2,5 mm
202097	SCR BD HARP 12 x 200 x 3 mm
202098	SCR BD HARP 15 x 200 x 3 mm
202818	SCR BD HARP 15 x 200 x 3 mm, stainless
202135	SCR BD HARP 20 x 200 x 4 mm
202100	SCR BD HARP 25 x 200 x 4 mm
202101	SCR BD HARP 30 x 200 x 5 mm
202102	SCR BD HARP 40 x 200 x 5 mm
202103	SCR BD HARP 50 x 200 x 6 mm
202796	SCR BD HARP-HORIZONT. 8 x 200 x 2 mm
202262	SCR BD HARP-HORIZONT. 10 x 200 x 3 mm
202263	SCR BD HARP-HORIZONT. 12 x 200 x 3 mm
202182	SCR BD HARP-HORIZONT. 15 x 200 x 3 mm

