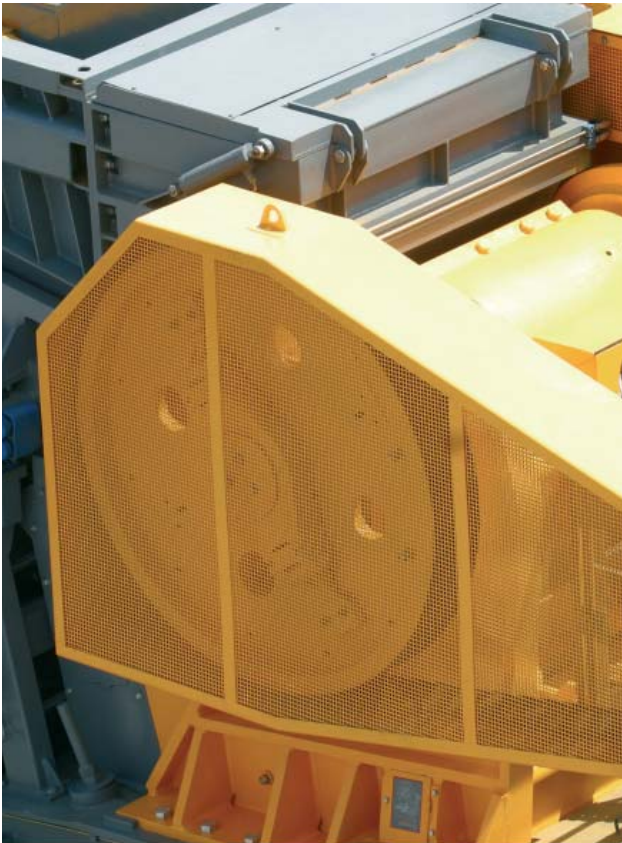




Technical Description
POWERCRUSHER PC 1380 J

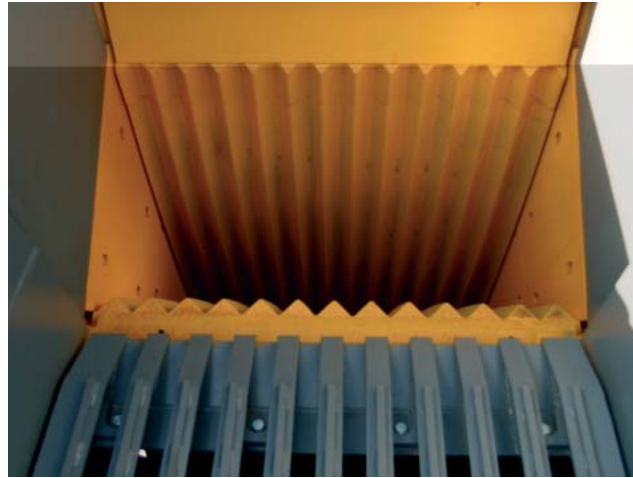
■ Jaw crusher PC 1380

Entry opening:	1300 x 800 mm (51" x 31")
Gap-width:	70 – 160 mm (2,7" x 6,2")
Jaw Flywheel:	1500 mm (59")
Crusherevolution:	270 (max. rpm)
Crushing capacity:	up to 350 t/h



Jaw crusher PC 1380

The Hartl Jaw crusher has a „Quattro Movement“. This is made possible by the up-thrust toggle position, giving the swing jaw a very aggressive motion. This means that, when compared to other jaw crushers, Hartl crushers can handle materials which are 25 % larger without having blockages in the crusher inlet. The motion of the swing jaw also gives the material a post-crush as the material leaves the crushing chamber – due to this, Hartl jaw crushers produce a constant and cubically shaped end product.



Inlet opening Jaw crusher PC 1380

■ Driving unit

Engine:	CAT C11
Performance:	287 kW (385 hp)
number of cylinders:	6 cylinders in line
cooling system:	water, circulation with pump

The jaw crusher is driven directly with v-belts from the engine. All other drives, e.g. for the conveyor belts and the crawler unit, work hydraulical. The central hydraulic pump is driven by the engine

■ Feedhopper

Construction:	„Hardox“-steel
Hopper volume:	appr. 7 m ³
Feed length:	3670 mm (12' 1")
Feed width:	2560 mm (8' 5")
Feed height:	3800 mm (12' 5")



Feedhopper & vibrating chute



■ Vibrating chute

Length: 3310 mm (10' 11")
 Width: 1240 mm (4' 1")
 Drive: hydraulic

■ Double deck Heavy duty screening unit (Grizzly)

Number of decks: 2
 Drive: hydraulic



Double deck heavy duty screening unit (Grizzly)

Standard equipment:
 Upperdeck:



Straight grid: 50 mm (2")

or



Zig-Zag grid: 55 mm (2,1")

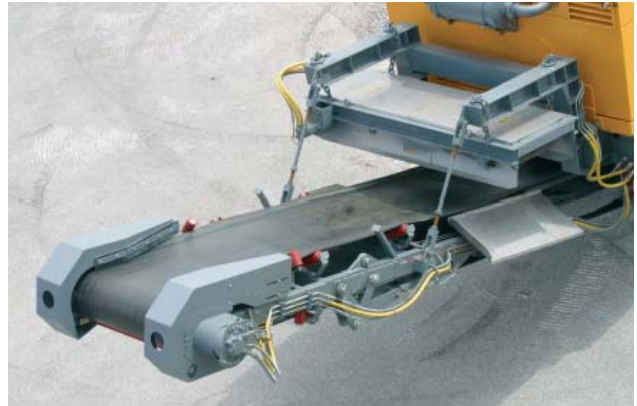
Lowerdeck:

Screen (Sieve): 32 mm or 25 mm (1 1/4" or 1")

■ Main conveyor belt

Construction: sectional steel construction
 Belt width: 1200 mm (47,2")
 Discharge height: 3270 mm (10' 9")
 Drive: hydraulic

For transportation the head-piece can be folded.



Main conveyor belt

■ Side conveyor belt

The prescreened material from the vibrating chute can be discharged to the main conveyor belt or can be dumped with the side conveyor belt if there is one mounted.

Construction: sectional steel construction
 Belt width: 800 mm (31")
 Discharge height: 2800 mm (8' 11")
 Drive: hydraulic

For transportation the conveyor belt can be folded.



Side conveyor belt



■ Crawler unit

Track chain width:	500 mm (19,6")
Wheelbase:	3650 mm (11' 11")
Design:	3-rib bottom plates
Climbing ability:	max. 20°
Drive:	hydraulic



Crawler unit

■ Permanent magnetic separator

Belt width:	750 mm (29,5")
Wheelbase:	1950 mm (6' 4")
Drive:	hydraulic



Permanent magnetic separator

■ Remote control

The system consists of a receiving set which is mounted on the machine, a wireless transmitting set with two accumulators and a charging unit. With the remote control unit the crawler unit and the vibration chute can be moved.



■ Technical information

Jaw Crusher PC 1380:

Entry opening:	1300 x 800 mm (51" x 31")
Gap-width:	70 – 160 mm (2,7" – 6,2")
Jaw Flywheel:	1500 mm (59")
Crusherevolution:	270 (max. rpm)
Crushing capacity:	up to 350 t/h

Driving unit:

Engine:	CAT C11
Performance:	287 kW (385 hp)
Number of cylinders:	6 cylinders in line
Cooling system:	water, circulation with pump

Feedhopper:

Construction:	„Hardox“-steel
Hopper volume:	approximately 7 m ³
Feed length:	3670 mm (12' 1")
Feed width:	2560 mm (8' 5")
Feed height:	3800 mm (12' 5")

Vibrating chute

Length:	3310 mm (10' 11")
Width:	1240 mm (4' 1")
Drive:	hydraulic

Double deck heavy duty screening unit (Grizzly)

Number of decks:	2
Drive:	hydraulic
Standard equipment:	
Upperdeck:	
Straight grid	50 mm (2")
	or
Zig-Zag grid	55 mm (2,1")
Lowerdeck:	
Screen (Sieve):	32 mm or 25 mm (1 1/4" or 1")

Main conveyor belt:

Construction:	sectional steel construction
Belt width:	1200 mm (47,2")
Discharge height:	3270 mm (10' 9")
Drive:	hydraulic

For transportation the head-piece can be folded.

Side conveyor belt:

Construction:	sectional steel construction
Belt width:	800 mm (31")
Discharge height:	2800 mm (8' 11")
Drive:	hydraulic

For transportation the belt can be folded.

Crawler unit:

Track chain width:	500 mm (19,6")
Wheelbase:	3650 mm (11' 11")
Design:	3-rib bottom plates
Climbing ability:	max. 20°
Drive:	hydraulic

Permanent magnetic separator:

Belt width:	750 mm (29,5")
Wheelbase:	1950 mm (6' 4")
Drive:	hydraulic

Remote control:

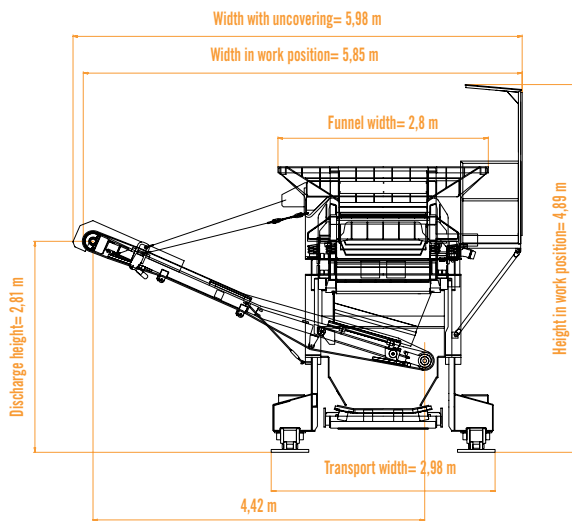
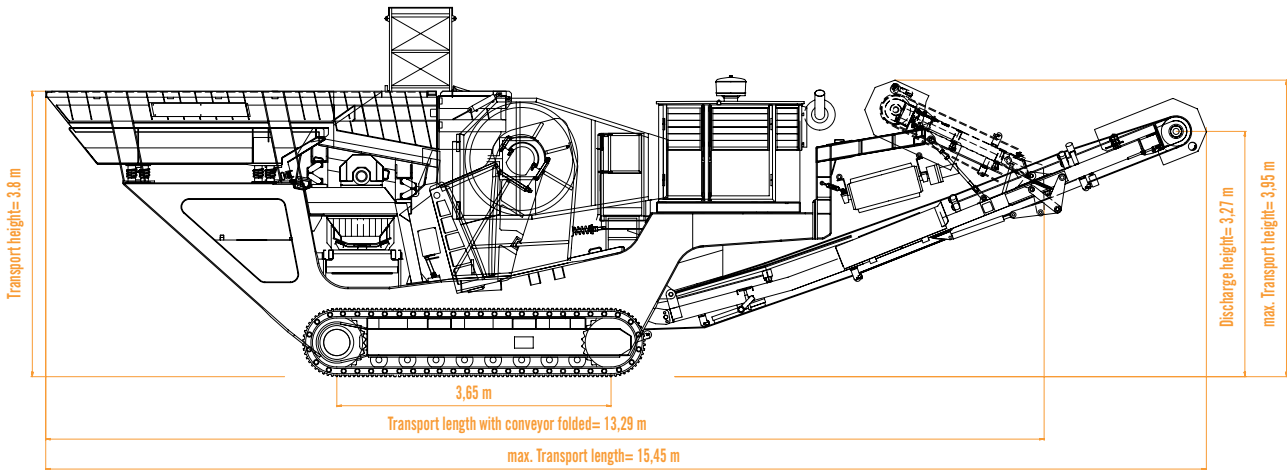
The system consists of a receiving set which is mounted on the machine, a wireless transmitting set with two accumulators and a charging unit. With the remote control unit the crawler unit and the vibration chute can be moved.

Dimensions:

Working dimensions:	
Length:	15.500 mm (50' 10")
Width:	6.000 mm (19' 8")
Height:	3.800 mm (12' 5")
Transport dimensions:	
Length:	13.300 mm (43' 7")
Width:	2.980 mm (9' 7")
Height:	3.800 mm (12' 5")

Weight: approximately 54 t (119050 lb)

*** TRANSPORT DIMENSIONS PC 1380 J**



Transport dimensions

54 t (119050 lb)
13.300 mm x 2.980 mm x 3.800 mm L x W x H
(43' 7" x 9' 7" x 12' 5") L x W x H