

MC Series Mobile Cone Plants



Specifications

The MC wheel mounted crushing plant is fitted with Heavy Duty Hewitt Robins HRC1300 Cone Crusher for seamless operation and higher production rate.

Feed Hopper / Chute

Fabricated in 15mm thick mild steel plate, the feed hopper / chutes are designed to interface seamlessly with the MJ1180 primary jaw plant or any conveyor arrangement.

Cone Crushers

Hewitt Robins HRC1300 Cone Crusher with oil lubrication and manual setting adjustment, driven by V belts 132 kw squirrel motor. The oil tank is mounted under the chassis and the oil pump is driven by an independent pump.

Type	:	Fixed Shaft
Stroke	:	50 mm
Setting range	:	3 – 51 mm
Feed Size	:	200 mm
Capaciyt	:	36 – 360 TPH



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Operator's Platform

Steel grid construction overlooking the crusher chamber with handrails and access ladder, for easy operation and maintenance.

Discharge Chutes

The discharge chutes are supplied with a rotation adjustment system, allowing multiple plant configuration.

Chassis

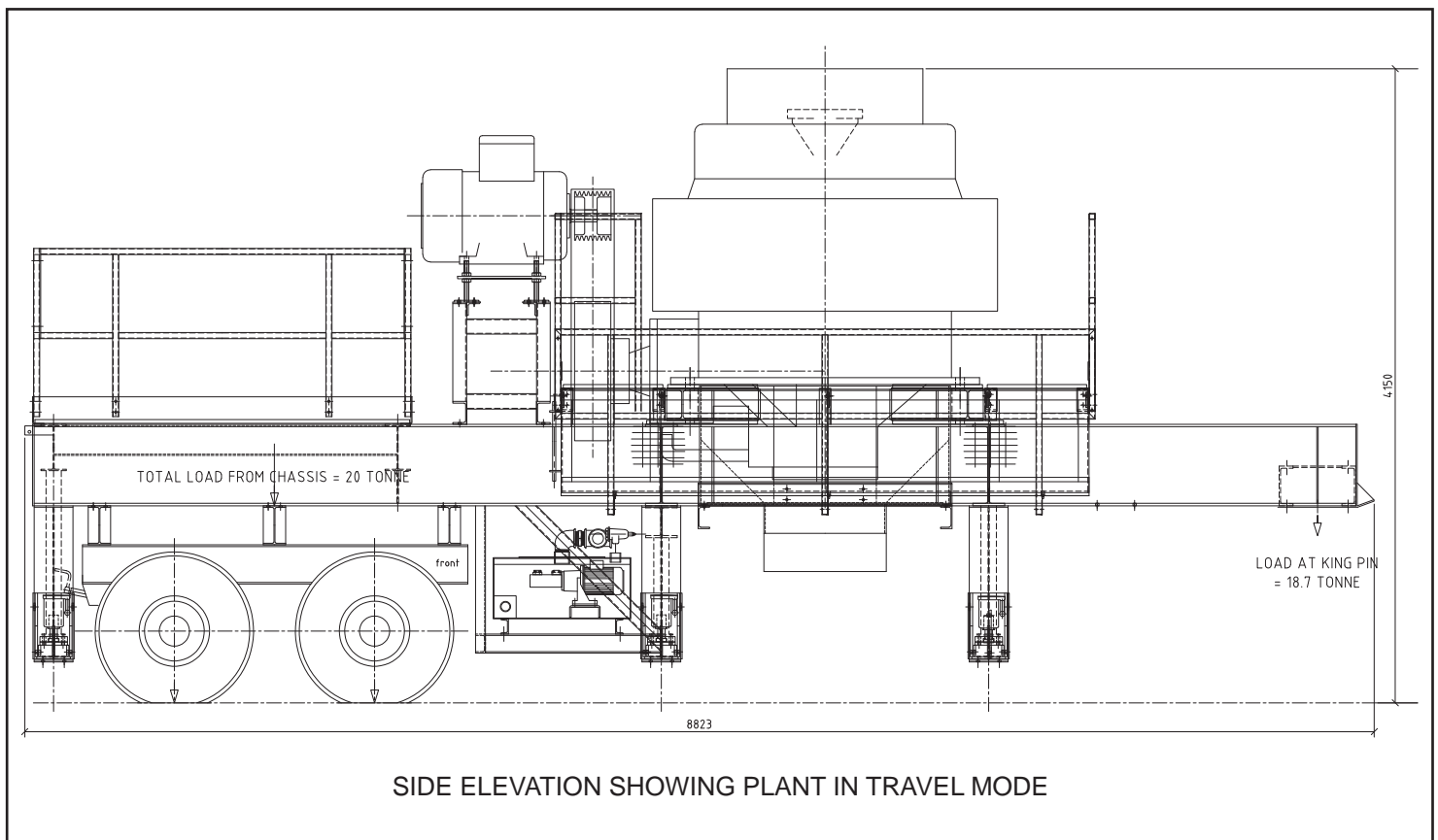
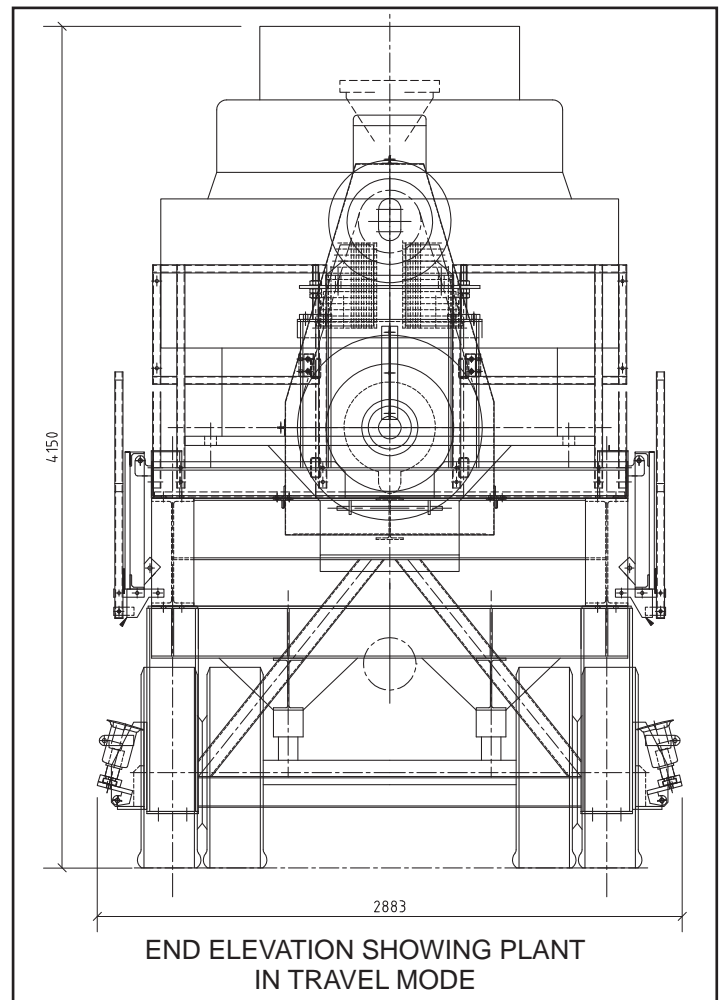
Straight rolled, heavy duty steel section frame with welded construction, which supports the feed hopper, grizzly feeder, crusher and conveyors, complete with the following equipment:

Heavy duty double axel having elliptical leaf springs and pneumatic tyres in twin formation, total 8 no. tyres (tyre spec 10x20 – 16PR).

- ▶ Two Line air pressure brakes complete with hoses and couplings with a hand parking brake.
- ▶ 50mm (2") dia King Pin
- ▶ Six Support legs with detachable feet (customer to provide timber baulks or PCC block as required)

Guarding

Suitable metal guards provided around crusher pulley, driver pulley & V-belt for operation safety.



Controls

The following controls are mounted on the plant:

- i) Controls mounted on operator's platform
 - a) Crusher stop start
 - b) Discharge conveyor starter
 - c) Emergency stop button
- ii) Controls mounted on the chassis:
 - a) Emergency stop

Onboard Motor

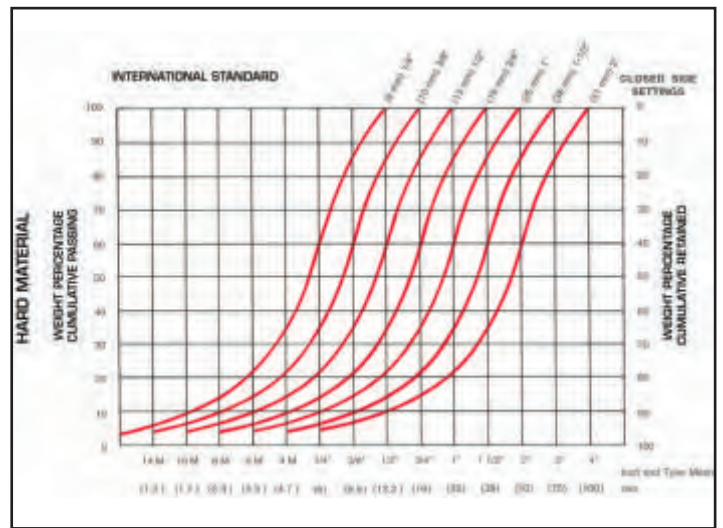
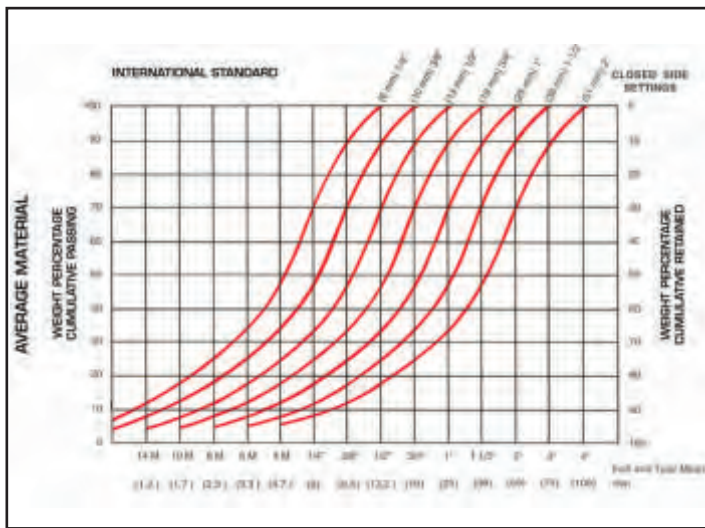
132 Kw total power

Transportation Dimension

1. Length - 8823mm
2. Width - 2883mm
3. Height - 4150mm

Total Weight (including crusher) – 35,000Kg

* Due to company policy of continuous development, we reserve the right to change details without prior notice.



HRC 1300 CONE CRUSHER CAPACITY CHART															
CONE CRUSHER CAVITIES FEED OPENINGS PRODUCT SIZE CAPACITIES															
OPEN CIRCUIT CAPACITIES IN TONNES PER HOUR PASSING THROUGH THE CRUSHER AT INDICATED DISCHARGE SETTINGS "A"															
STANDARD	SIZE	Type of cavity	Recommended Minimum Discharge Setting A	Feed opening with min recommended Discharge setting A		6mm (1/4")	9mm (3/8")	13mm (1/2")	16mm (5/8")	19mm (3/4")	22mm (7/8")	25mm (1")	31mm (1 1/4")	38mm (1 1/2")	51mm (2")
				B closed side	B open side										
	HRC 1300	Fine		13mm (1/2")	109mm (4 3/8")	137mm (5 3/8")			105	125	145	155	160	180	
Medium			16mm (5/8")	188mm (7 1/2")	210mm (8 1/4")				130	155	170	195	225	250	
Coarse			19mm (3/4")	216mm (8 5/8")	241mm (9 5/8")						195	215	250	295	345
Extra Coarse			25mm (1")	238mm (9 1/2")	259mm (10 3/8")							230	270	300	355
OPEN CIRCUIT - CAPACITIES IN TONNES PER HOUR PASSING THROUGH THE CRUSHER AT INDICATED DISCHARGE SETTING "C"															
SHORTHEAD	SIZE	Type of cavity	Recommended Minimum Discharge Setting C	Feed opening with min recommended Discharge setting C		3mm (1/8")	5mm (3/16")	6mm (1/4")	10mm (3/8")	13mm (1/2")	16mm (5/8")	19mm (3/4")	25mm (1")		
				D closed side	D open side										
	HRC 1300	Fine		3mm (1/8")	29mm (1 1/8")	64mm (2 1/2")	36	58	80	102	135	160			
Medium			6mm (1/4")	54mm (2 1/8")	89mm (3 1/2")			80	102	135	160				
Coarse			8mm (5/16")	70mm (2 3/4")	105mm (4 1/8")				105	155	180	195	225		
Extra Coarse			16mm (5/8")	98mm (3 7/8")	133mm (5 1/4")							205	230		

Performance figures and percentages are approximate and provide an indication of what the Hypro-Cone can produce when used for open circuit crushing of clean dry material with a bulk density of 1600kg/m³.

General arrangement and installation drawings can be provided upon request.

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