

# RC45III CONE CRUSHER



## STANDARD FEATURES

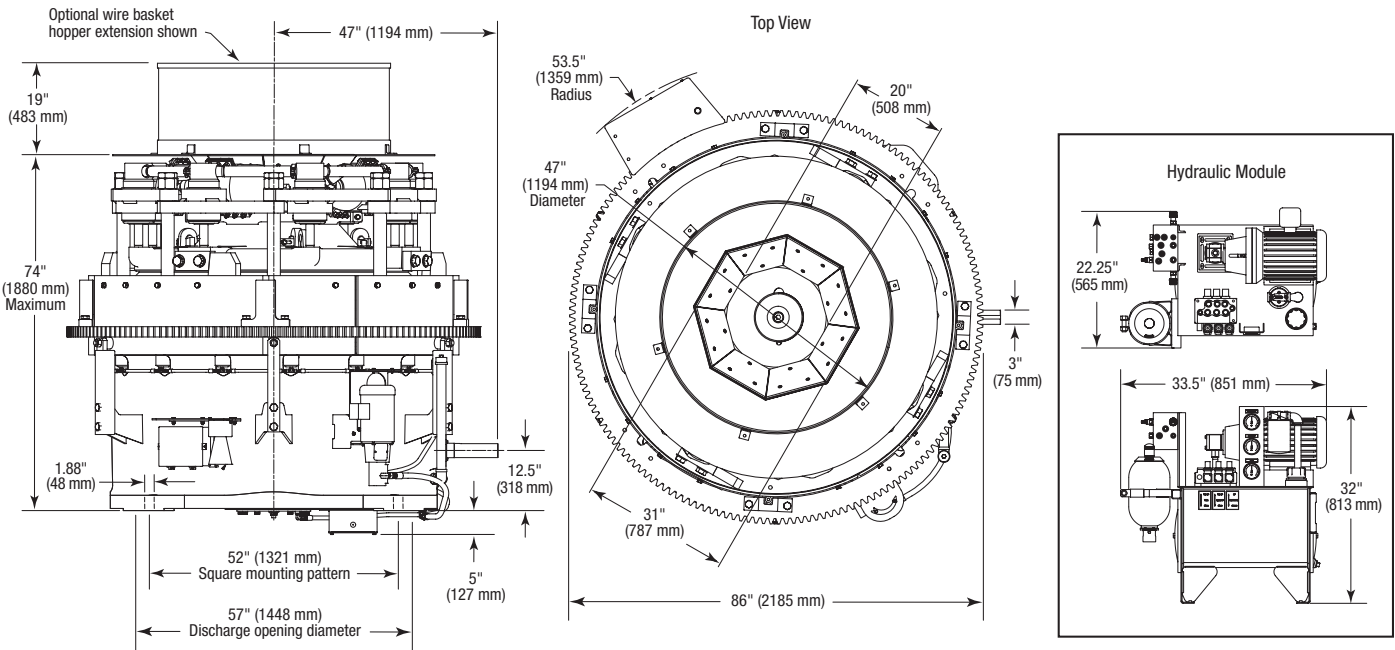
- ▶ Hydraulic powered thread adjust and clamp system
- ▶ 5 hp (3.7 kW) 3-phase electric/hydraulic module with manual controls located up to 15' (4570 mm) from crusher
- ▶ Non-ferrous thread inserts for wear resistance
- ▶ High efficiency ElJay® Rollercone® roller bearing construction
- ▶ Heavy-duty cast steel base frame
- ▶ Large unobstructed feed opening
- ▶ Bolt-on replaceable counterweights
- ▶ Wide unobstructed discharge
- ▶ Non-ferrous V-seat wear liners
- ▶ Quick reset hydro-pneumatic tramp iron relief system
- ▶ Long-stroke relief cylinders
- ▶ Self-contained oil reservoir
- ▶ Close running deep tapered grooved labyrinth seals
- ▶ 1.5 hp (1.1 kW) 3-phase crusher mounted lubrication oil pump
- ▶ 115 volt immersion oil heaters with thermostat
- ▶ Lubrication oil flow safety switch and warning horn
- ▶ Unit shipped with oil-filled sump
- ▶ V-belt driven sheave for crusher
- ▶ Alloy steel pinion shaft and gear set
- ▶ Non-bridging sloped feed hopper
- ▶ Specified manganese liners installed and poured
- ▶ Bowl manganese replaceable without dismantling tramp iron relief system
- ▶ Cone manganese replaceable without removing cone head
- ▶ Interchangeable between standard and fine chambers
- ▶ Clockwise input shaft rotation
- ▶ Crusher tools: lifting eye, mantle wrench

## OPTIONAL EQUIPMENT

- ▶ V-belt drives
- ▶ Electric motors
- ▶ Electrical control and wiring
- ▶ Wire basket hopper extension
- ▶ Overflow chute
- ▶ Various manganese configurations
- ▶ Automatic Lube Oil Circulation Kit (recommended below 40°F/4°C) automatically circulates oil at a predetermined interval to assist in cold weather start-up
- ▶ Skid mounted with motor mount and guard
- ▶ Export preparation and lift kit

# SPECIFICATIONS

# Terex® Minerals Processing Systems Cedarapids RC45III Cone Crusher



## SPECIFICATIONS

	Weight	HP	RPM		Lube Pump	Hydraulic Pump	Heater & Control Voltage
RC45III	32,000 lb (14,500 kg)	200 HP (149 kW)	750-900	Hydraulics	1.5 HP (1.1 kW)	5 HP (3.7 kW)	115 V

## CAPACITIES | Gross Throughput TPH in U.S. and (metric)

	Closed Side Discharge Setting in Inches & nearest (mm)								
	1/2" (13 mm)	5/8" (16 mm)	3/4" (19 mm)	7/8" (22 mm)	1" (25 mm)	1-1/4" (32 mm)	1-1/2" (38 mm)	1-3/4" (44 mm)	2" (51 mm)
RC45III Gross Throughput	135-170 (122-154)	150-200 (136-181)	170-225 (154-204)	185-245 (168-222)	205-270 (186-245)	220-320 (200-290)	240-340 (218-308)	260-360 (236-327)	270-380 (245-345)
*Minimum closed side setting is that point just above bowl float under maximum allowable pressure on tramp iron relief system. This setting can vary widely depending on nature and condition of the material being crushed. The charts are to be used as guides to crushers and liner selection. Data is offered as a guide only. Crushing characteristics of various rock and crusher operation will affect results.									

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