

# MVP SERIES CONE CRUSHERS



## STANDARD FEATURES

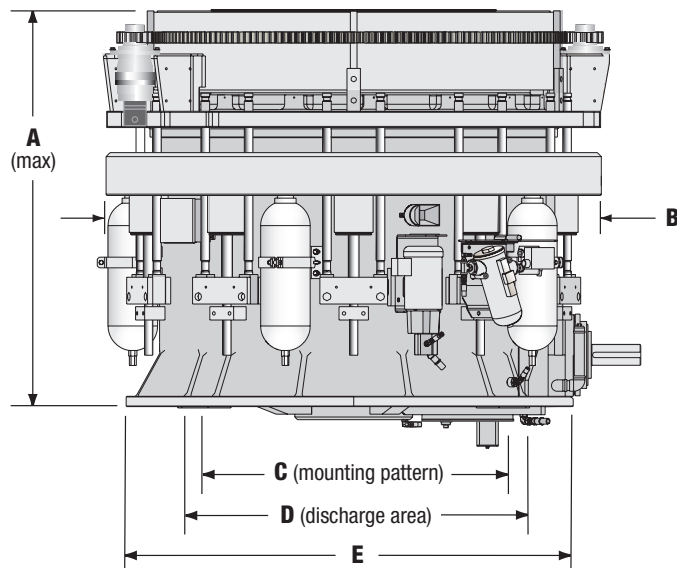
- ▶ Manual Hydraulic Adjustment System (Man-in-the-loop) with control buttons on door, able to mount 15' (4.5m) from crusher
- ▶ Hydraulic powered threaded upper assembly for quick crusher setting adjustment under load
- ▶ Hydro-pneumatic tramp iron relief system instantly resets crusher setting after passing uncrushable material
- ▶ High efficiency ElJay<sup>®</sup> Rollercone<sup>®</sup> roller bearing construction
- ▶ Lubrication oil flow safety switch and warning horn
- ▶ Crusher mounted lubrication oil pump (460/3/60 or 380/3/50)
- ▶ Hydraulic skid with 10 hp (7.4 kW) provides hydraulic power for tramp and adjustment systems with 25' (7.6 m) hose for mounting near crusher (electric switchgear not included)
- ▶ Lubrication motor starter and hydraulic motor starter
- ▶ Oil heaters (115 volt) in sump and hydraulic skid
- ▶ External lube oil heat exchanger (not included on MVP 280) with 26' (7.9 m) hose for mounting near crusher
- ▶ Unit shipped with oil-filled sump
- ▶ All cone mounted electrical components pre-wired to junction box
- ▶ Specified manganese liners installed and poured
- ▶ Interchangeable between coarse and fine crushing chambers
- ▶ Heavy-duty cast steel base frame with replaceable wear liners
- ▶ Non-ferrous V-seat wear liners
- ▶ Non-ferrous thread inserts for wear resistance
- ▶ V-belt driven sheave for crusher
- ▶ Crusher set for clockwise input shaft rotation
- ▶ Crusher hopper
- ▶ Crusher tools: lifting eye, mantle wrench

## OPTIONAL EQUIPMENT

- ▶ Automatic Hydraulic Adjustment System (PLC): 15 hp (11 kW) skid mounted hydraulic power unit for crusher adjustment and tramp iron relief system with cable/hose allows skid to be mounted 15' (4.5m) from crusher; includes remote adjust panel on 200' (60m) tether with indicator lights, amp meter, position feed back indicator
- ▶ Manual Hydraulic System: Remote push button box with 50', 100', or 150' (15m, 30m, or 45m) tether
- ▶ Crusher skid frame with motor mount, drive take-up and drive guard
- ▶ Crusher hopper extension
- ▶ Automatic Cold Oil Circulation Kit for manual hydraulic system (recommended below 40°F/4°C): Automatically circulates oil at a predetermined interval to assist in cold weather start-up (standard with PLC system)
- ▶ Electric drive motors
- ▶ Electrical switchgear for drive motors
- ▶ V-belt drive with V-belts, motor sheave and bushing
- ▶ Export preparation and lift kit

# SPECIFICATIONS

# Terex® Minerals Processing Systems Cedarapids MVP Series Cone Crushers



## DIMENSIONS & SPECIFICATIONS

	A	B	C	D	E	Operating RPM	Horsepower	Approximate Total Weight
<b>MVP280</b>	79.08" (2008)	82" (2083)	48" (1219)	55.25" (1403)	71.0" (1803)	700-1000	200 (149 kW)	36,500 lbs (16,556 kg)
<b>MVP380</b>	79.86" (2028)	88" (2235)	52" (1321)	62" (1575)	79.5" (2020)	700-1000	300 (224 kW)	46,000 lbs (20,865 kg)
<b>MVP450</b>	82.71" (2101)	92.5" (2350)	56" (1422)	67.5" (1714)	83.5" (2121)	700-1000	400 (298 kW)	52,500 lbs (23,814 kg)
<b>MVP550</b>	88.73" (2254)	102" (2591)	62.5" (1587)	77" (1956)	92.5" (2350)	615-800	500 (373 kW)	68,000 lbs (30,844 kg)

## CAPACITIES

Closed Side Settings (CSS)	3/8" (10 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)
<b>Standard Chamber Configuration - Open Circuit Capacities in tons-per-hour (tonnes-per-hour)</b>										
<b>MVP280 Gross Throughput</b>	120-150 (109-136)	150-190 (136-172)	170-220 (154-200)	190-250 (172-227)	210-275 (190-249)	230-300 (209-272)	260-335 (236-305)	305-390 (277-355)	355-445 (323-405)	440-490 (400-445)
<b>MVP380 Gross Throughput</b>	135-170 (123-155)	180-225 (164-205)	220-260 (200-236)	240-290 (218-264)	260-310 (236-282)	275-335 (250-305)	295-380 (268-345)	350-445 (318-405)	405-510 (368-464)	500-560 (453-507)
<b>MVP450 Gross Throughput</b>	150-200 (136-182)	200-260 (182-236)	245-315 (222-285)	275-360 (250-326)	300-385 (272-349)	320-415 (290-376)	355-450 (321-408)	390-500 (353-453)	445-575 (403-521)	505-645 (458-585)
<b>MVP550 Gross Throughput</b>	200-250 (182-228)	260-330 (237-300)	315-395 (287-359)	360-450 (328-410)	385-485 (350-441)	405-510 (369-464)	450-565 (410-514)	495-620 (450-564)	565-715 (514-651)	645-810 (587-737)
<p>*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.</p>										

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