



Cat[®] CM240

Continuous Miner

Specifications

Operating Dimensions

Mining range (recommended)	1 524 - 3 404 mm (60 - 134 in)
Minimum height over cutting boom Assy.	1 321 mm (52 in)
Maximum reach	3 912 mm (154 in) (1 118 mm (44 in) cutting drum and 305 mm (12 in) ground clearance)
Ground clearance	305 mm or 381 mm (12 or 15 in) (381 mm (15 in) requires 76 mm (3 in) lift kit installation)
Length rear bumper to bit tip	8 280 mm (27 ft 2 in) (with 1 118 mm (44 in) dia. cutting drum)

Transport Dimensions

Frame width	3 169 mm (10 ft 4.75 in) (including rub rails)
Overall length	11 760 mm (38 ft 7 in) (with 1 118 mm (44 in) dia. cutting drum)
Weight (total)	61.3 tonnes (135,000 lbs)

Cutting Unit

Cutting drum diameter	1 016 - 1 118 mm (40 - 44 in)
Cutting drum bit speed	657 fpm (57 rpm) 200 m/min (with 1 118 mm (44 in) dia. cutting drum)
Cutting drum width	3.53 m (11 ft 7 in)
Cutting drum power	2 x 149 kW (200 hp) (continuous rating) 2 x 164 kW (220 hp) (one-hour rating)
Optional cutting motor	2 x 186 kW (250 hp) (continuous rating)

Loading Unit

Loading method	3, 4 or 6 finger cla
Conveyor width	914 mm (36 in)
Conveyor speed	475 fpm (145 m/min)
Conveyor depth	152 - 305 mm (6 - 12 in)
Loading capacity	18 - 23 tonnes/min (20 - 25 tons/min)
Conveyor power through cla's	2 x 34 kW (45 hp) (continuous rating) 2 x 41 kW (55 hp) (one-hour rating)

Traction Units

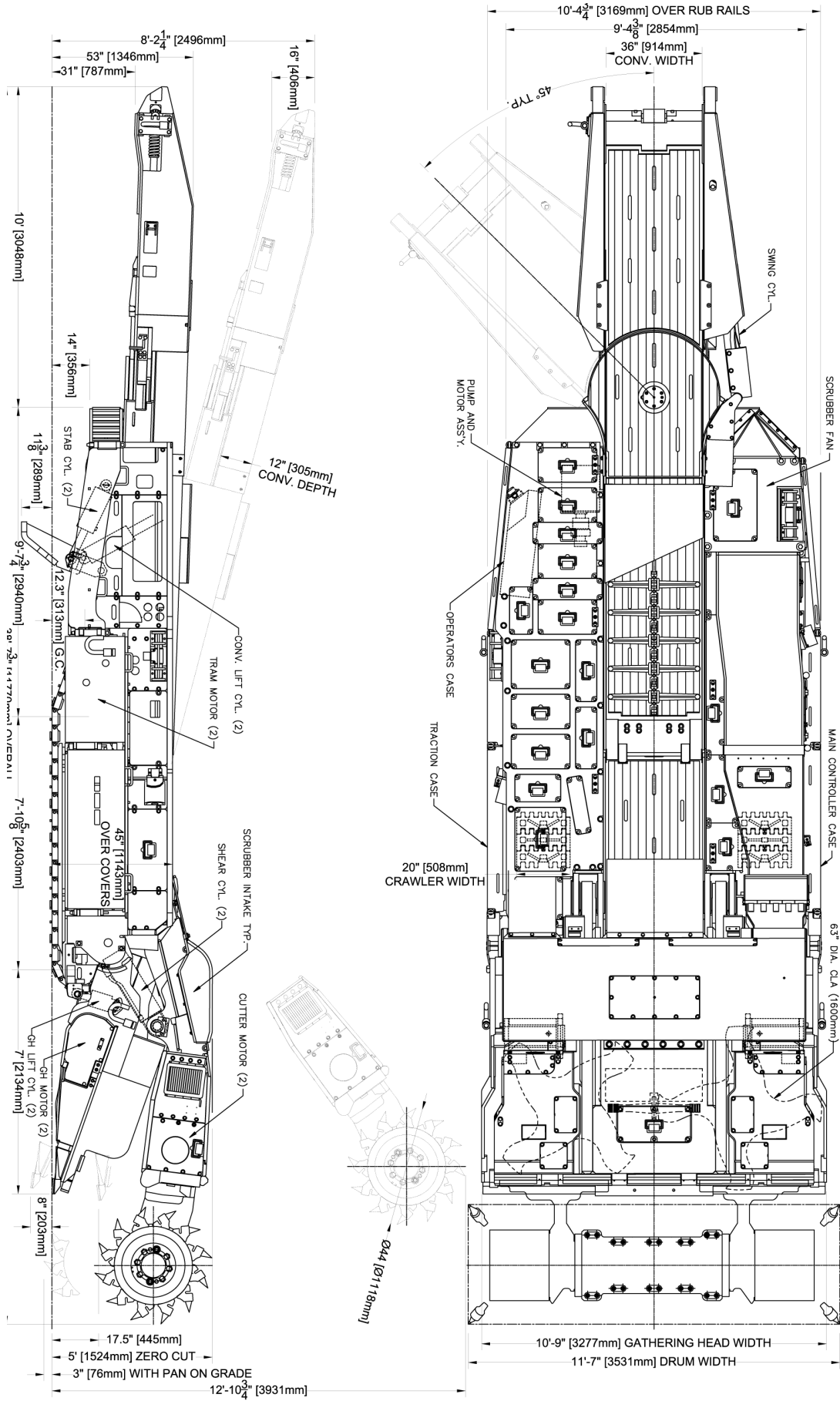
Crawler chain width	508 mm (20 in)
Crawler assembly length	2.90 m (9 ft 6 in)
Ground pressure	200 kPa (29 psi)
Crawler speed	0 - 20 m/min (0 to 65 fpm) (with heavy-duty crawler system)
Traction power	2 x 37 kW (50 hp) DC (continuous rating) 2 x 45 kW (60 hp) DC (one-hour rating)

Electrical System

Machine voltage	950 VAC
Control system	Processor based/ radio remote control



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Hydraulic System

Hydraulic pump unit	Tandem gear pump 220 bars (3,200 psi)
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Horse power on hydraulic pump	1 x 34 kW (45 hp) (continuous rating) 1 x 41 kW (55 hp) (one hour rating)
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Optional Dust Suppression

Scrubber type	Wet bed
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Scrubber capacity	3.8 cms (8,000 cfm) 22 kW (30 hp)
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Total Installed Power

474 kW (635 hp) (continuous rating w/o scrubber)
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541 kW (725 hp) (one hour rating w/o scrubber)
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For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at mining.cat.com and www.cat.com

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