



**THE CAT[®]
ROCK STRAIGHT
SYSTEM**

MAJOR COMPONENTS



Hard Rock Miner

Hard Rock Roof Supports

Hard Rock Conveyor

CAT[®] ROCK STRAIGHT SYSTEM

THE SYSTEM



HARD ROCK MINER HRM220



Seam Range 1.3-2.0 m (4.2-6.6 ft)

Typical Machine Length 6.8 m (22 ft 4 in)

Cutting Head Diameter 1270 mm (50 in)

Installed Power Hydraulic System 55 kW (73.7 hp)

Cutting Units 2

Installed Power per Cutting Unit 132 kW (177 hp)

Installed Power Electrical System 319 kW (427.6 hp)

Cutting Depth (up to) 100 mm (3.9 in)

Cutting Drum Speed 60 rpm (60 rpm)

Body Height 1200 mm (47.2 in)

Machine Weight (approximate) 41.0 tonnes (45.2 tons)

Operating Voltage 1,000 V; 50 Hz; 3 AC



HARD ROCK ROOF SUPPORT HRS1220



Height Closed 1060 mm (41.73 in)

Height Extended 2150 mm (84.64 in)

Canopy Width 1600 mm (62.99 in)

Main Canopy Length 4240 mm (166.93 in)

Swivel Canopy Length 1500 mm (59.05 in)

Base Width 1300 mm (51.18 in)

Canopy Extension Length 1500 mm (59.05 in)

DA (double-acting) Ram Stroke 625 mm (24.60 in)

Leg Centers Distance (vertical to face)

1440/1660 mm (56.69 in/65.35 in)

Bearing Surface Base 35 360 cm (2 38.061 ft²)

Distance Roof Support Centers 1760 mm (69.29 in)

Support Resistance at height of 1600 mm (62.99 in)

Setting Load at 320 bar (4,641 psi) 2209 kN (320.38 psi)

Yield load at 415 bar (6,019 psi) 2599 kN (376.95 psi)

Load at the end of swivel canopy 100 kN (14.50 psi)

Weight 9.3 tonnes (10.25 tons)



HARD ROCK CONVEYOR HRC30

Line Pan Length 2615 mm (102.95 in)

Line Pan Height 280 mm (11.02 in)

Chain Length (up to) 100 m (328 ft)

Line Pan Width 1756 mm (69.13 in)

Apron Plate Spacing 4 × 108 mm (4 × 4.25 in)

Apron Plate Chain Diameter 30 mm × 108 mm (1.18 in × 4.25 in)

Chain Speed 0.7 m/sec (2.3 ft/min)

Capacity per Hour 160 tonnes (176 tons)



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Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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