

DCR20

Down-the-Hole Drill

	US Standard	Metric
General		
Overall Weight	46,200lb	21,000kg
Overall Length	31' 8"	9,670mm
Overall Width	10' 12"	3,350mm
Overall Width (Transportation)	7' 10"	2,400mm
Overall Height	12' 5"	3,795mm
Track Unit		
Track Length	11' 9"	3,570mm
Length of Ground Contact	9' 5"	2,865mm
Track Width	1' 1"	330mm
Ground Contact Pressure	15.8psi	10.9N/cm ²
Min. Ground Height	1' 8"	502mm
Oscillating Angle	+-7.5 degrees	
Max. Tramming Speed	1.9mile/h	3.0km/h
Gradeability	25 deg.	
Tramming Motor	Hydraulic Motor	
Max. Traction Force	23,604lb-force	105kN
Hammer (Recommendation, Order Optional)		
Manufacturer	MINCON	
Model (Example)	MP55	
Piston Weight	33.6 lb	15kg
Outer Diameter	4.88"	124mm
Length (Backhead shoulder to chuck)	39.9"	1014mm
Screw Diameter (A. P. I. Reg.)	3 1/2" A.P.I. Reg. Pin	3 1/2" A.P.I. Reg. Pin
Bit Range	3.5"- 6"	89 - 152mm
Drill Motor		
Model	DOWMAX / ME350	
Reduction Gear Rate	01:03.1	
Max. Torque	2,397lb-ft	3.25kNm
Max. Number of Rotation	120rpm	120min ⁻¹
Drill Hole Diameter (Bit Diameter)	3.5"- 6"	89 - 152mm
Engine		
Model	CAT C13 Tier III	
Type	Diesel Engine	
Rated Output	440hp/2,100rpm	328kW/2,100min ⁻¹
Fuel Tank Capacity	185gal	700L
Hydraulic Pump (For Main)		
Variable Displacement Pump	Variable Displacement PV Pump x 2	
Model	K5V80DT	
Capacity	11.6in ² x 2	75cm ² x 2
Working Pressure	3,000psi	20.6MPa

	US Standard	Metric
Compressor		
Model	PDSK900	
Type	Screw Rotation Type 2 Step Compression, Oil-Cooled	
Manufacturer	Hokuetsu	
Discharge Pressure	363psi	2.5MPa
Free Air Delivery (at 140F)	847ft ³ /min	24m ³ /min
Boom		
Boom Swing Angle	35 ~ 10 deg.	
Guide Lidt Angle	40 ~ 25 deg.	
Guide Shell		
Overall Length	31' 2"	9,500mm
Feed Length	18' 7"	5,678mm
Guide Slide Length	3' 11"	1,200mm
Hood Slide Length	12"	300mm
Swing Angle	30 ~ 30 deg.	
Max. Drawing Force	6,744lb-force	30kN
Feed Type	Hyd. Motor Drive	
Dust Collector		
Weight	1105lb	500kg
Suction Capacity	2,472ft ³ /min	70m ³ /min
Number of Filter Element	10	
Pre-Celaner	Automatic Pulse Air Jet	
Suction Cap	Open-Close Type	
Suction Hose Diameter	6"	150mm
Rod Magazine		
Number of Rod	8 (16' 5" Rod)	8 (5,000mm Rod)
Rod Weight	176lb (16' 5")	80kg (5,000mm)
Rod Length	16' 5" (or 13' 1")	5,000mm (or 4,000)
Rod Diameter	3", 3.5" and 4"	76, 89 and 102mm
Rod Screw Diameter (A. P. I. Reg)	2 3/8" (3 1/2")	
Auto Grease	Automatic	
Electric System		
Battery	12V x 2	
Lighting (Halogen)	24V; 70W x 4	
Source Voltage	24V	
Standard Accessories		
Air Conditioner		
FM / AM Radio		



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