



**FURUKAWA ROCK DRILL USA**  
*Rock Drill Division*

# **DCR22**

**Down-the-Hole Drill**



DCR22 Equipped with Tier IV EPA Compliant Engine.

# Proven. Reliable. High Performing.

**DCR22**  
Down-the-Hole Drill

## DCR22 Down-the-Hole-Drill

The DCR22 has established itself as a reliable, productive resource for drilling operations around the world. These drills have been proven in soft, medium and hard rock conditions with multiple end-users and applications providing deep holes from 3.5" to 6.5" at fast drilling rates with low maintenance requirements.

Servicing the DCR22 is easy with access to all key components such as the engine, fluid levels and compressor through large panel doors located at ground level for maintenance when needed.

The cabs have been redesigned to provide operators maximum comfort with single-lever drilling controls, digital gauges, and superior views of drilling operation.



*Walk-around ground level maintenance provides fast, easy upkeep or repair.*



## Maximize operator performance with the ultimate in ergonomic cab design.

When it comes to ergonomically-friendly cabs, Furukawa offers various options to minimize operator fatigue. Cabs are 43" wide (W1,100 mm) with ROPS/FOPS. In addition, all cabs are air-conditioned and continuously pressurized with filtered air to maintain a comfortable operating environment. Other features include:

- ▶ Single-lever drilling control for easy operation.
- ▶ Finger-touch levers for smooth traming control.
- ▶ Large windows maximize operator visibility.
- ▶ All-in-One display allows operator to monitor machine functions and angle indicator for quick and easy drilling alignment while remaining focused on the drilling.
- ▶ Walk-around ground level maintenance provides fast, easy upkeep or repair.
- ▶ Rubber-mounted engine frame isolates cab from engine vibrations.
- ▶ Bluetooth Player/Sirius XM Radio is standard.

## Combining performance and economy.

- ▶ Angle indicator for quick and easy drilling alignment.
- ▶ Drill hole diameter 3.5" - 6.5".
- ▶ Reliable dust control system increases suction capacity and provides effective pre-cleaning to reduce the escape of drilling dust. An optional dust suppression system is available for difficult drilling conditions.
- ▶ Advanced rotary pipe changer allows easy drill pipe changes.
- ▶ High-output compressor increases flushing air, provides faster drilling and decreases bit wear.



*Console moves back and forth.*

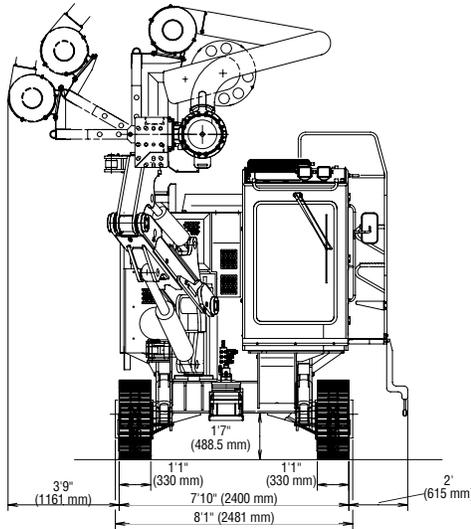
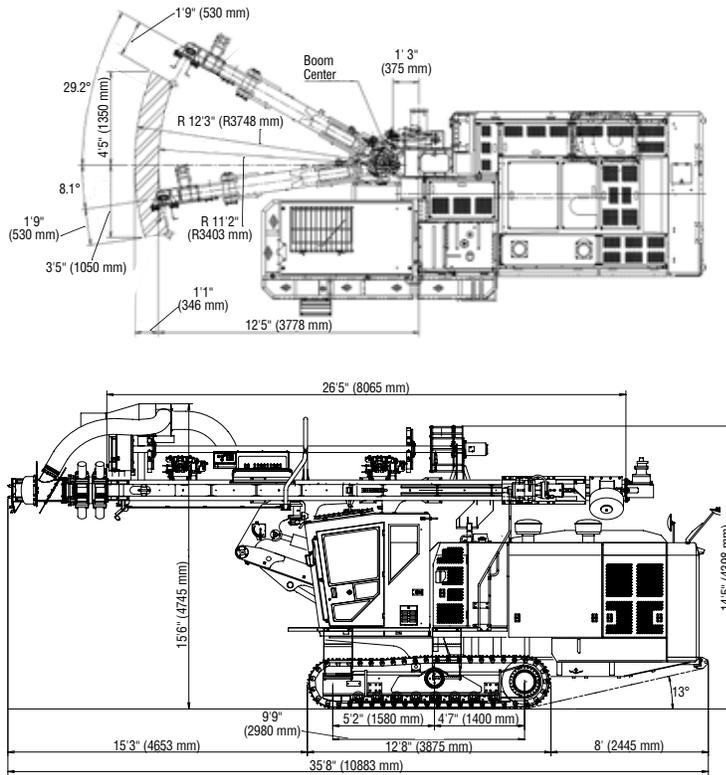


*Traming Control*



- ▶ Low-emission, Tier IV Caterpillar® engine offers low fuel consumption at 440hp and meets US Tier IV exhaust emissions regulations.
- ▶ Hoses and wiring are placed in a compact and efficient routing design for more protection, less wear and easy replacement.
- ▶ Drill pipe changer equipped with electronic sensors that speeds up pipe addition and extraction.
- ▶ Heavy-duty undercarriage with low center of gravity – featuring a pentagonal section design to reduce dirt build-up and track wear – ensures strength, durability and stability.





Note:  
 \*1 "Overall Weight (A)" includes weights of fuel and oils (full).  
 \*2 "Overall Weight (B)" includes weight of "Overall Weight (A)", operator, rod and bit.  
 \*3 "Shipping Height (A)" includes dimensions with disassembling guide rest.  
 \*4 "Shipping Height (B)" includes dimensions with disassembling guide rest and rear magazine plate.  
 \*5 "Ground Contact Pressure" is calculated based on "Overall Weight (A)".

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Furukawa's policy is one of continual improvement. Specifications may change between printing.



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		DCR22	
		US Standard	Metric
Dimensions and Weight	Overall Weight (A) *1	56,218 lb	25,500 kg
	Overall Weight (B) *2	58,422 lb	26,500 kg
	Overall Length	36'2"	11,035 mm
	Shipping Length	38'3"	11,671 mm
	Overall Width	14'3"	4,335 mm
	Shipping Width	8'10"	2,700 mm
	Overall Height	15'7"	4,750 mm
	Shipping Height (A) *3	12'3"	3,742 mm
Shipping Height (B) *4	12'	3,652 mm	
Drill Motor	Model	DOWMAX/ME350	
	Maximum Torque	3,098 lb-force-ft	4.2 KN-m
	Rotating Speed	0 - 120 rpm	0 - 120 min <sup>-1</sup>
Undercarriage	Track Length	12'5"	3,785 mm
	Track Length on Ground	9'9"	2,980 mm
	Track Width	1'1"	330 mm
	Ground Contact Pressure *5	18.4 psi	127 kPa
	Ground Clearance	1'7"	475 mm
	Frame Oscillation Angle	±7.5°	
	Tramming Speed	0 - 2.2 mph	0 - 3.5 km/h
	Gradeability	46.6% (25°)	
Engine	Maximum Traction Force	35,969 lb-force	160 kN
	Make & Model	CAT® C13 (Tier4 Final, Stage IV)	
	Type	Diesel, Water-Cooled, 6 Cylinders	
	Piston Displacement	762 cu in	12.5 L
	Power Output	440 hp / 2,000 rpm	328 kW / 2,000 min <sup>-1</sup>
	Fuel Capacity	216.6 gal	820 L
	DEF Capacity	9.0 gal	34 L
Hydraulic Equipment	Variable Displacement Pump	PV Pump x2	
	Fixed Displacement Pump	Gear Pump x3	
	Drive Motor	Hydraulic Motor with Reduction Gear	
	Hydraulic Oil Reservoir Capacity	74 gal	280 L
Boom	Model	JF325	
	Type	Fixed	
	Boom Lift Angle (Up / Down)	49° / 13°	
	Boom Swing Angle (Right / Left)	30° / 8°	
Guide Shell	Model	GH834	
	Overall Length	32'11"	10,030 mm
	Feed Length	19'1"	5,827 mm
	Feed Type	Hydraulic Motor Driven Chain	
	Guide Slide Length	4'11"	1,500 mm
	Guide Swing Angle (Right / Left)	88° / 16°	
	Guide Tilt Angle	118°	
	Maximum Pulling Force	7,868 lb-force	35 kN
Compressor	Make & Model	AIRMAN PDSK900-S20	
	Type	2-Stage Screw Compressor	
	Discharge Airflow 1	858 cfm	24.3 m <sup>3</sup> /min
	Discharge Airflow 2	953 cfm	27.0 m <sup>3</sup> /min
Discharge Pressure	363 psi	2.5 MPa	
Dust Collector	Model	A885	
	Suction Capacity	2,649 cfm	75 m <sup>3</sup> /min
	Number of Filter Elements	12	
	Dust Removal System	Automatic Air Pulse Jet	
Suction Cap	Slide Type		
Rod Changer	Model	GR803	
	Number of Rods	8	
	Rod Diameter	3", 3.5", 4", 4.5"	76 mm, 89 mm, 102 mm, 114 mm
	Number of Control Levers	1	
Bit and Rod	Bit Range	3.5" - 6.5"	89 mm - 165 mm
	Rod Type	O.D. 3", 3.5", 4", 4.5" Tube w/API Threads	O.D. 76, 89, 102, 114 mm Tube w/API Threads
	Rod Length	16'5"	5,000 mm
	Starter Rod Length	16'5"	5,000 mm
Electrics	Battery	12V; 140Ah/5hr	
	Light	24V; 70W x4	
	Voltage	DC 24V	
Operating Environment	Working Temperature	5° - 113° F	-15° - 45° C
	Maximum Altitude	6,562'	2,000 m