

**FRD**  
FURUKAWA

FURUKAWA  
*Power & Passion*  
150

# HCR1550-ED III



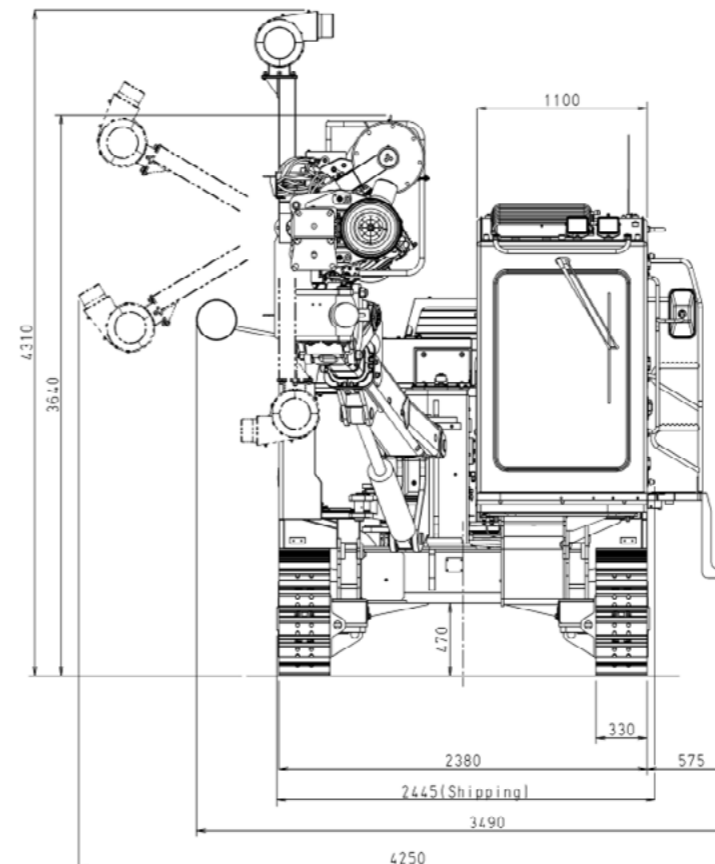
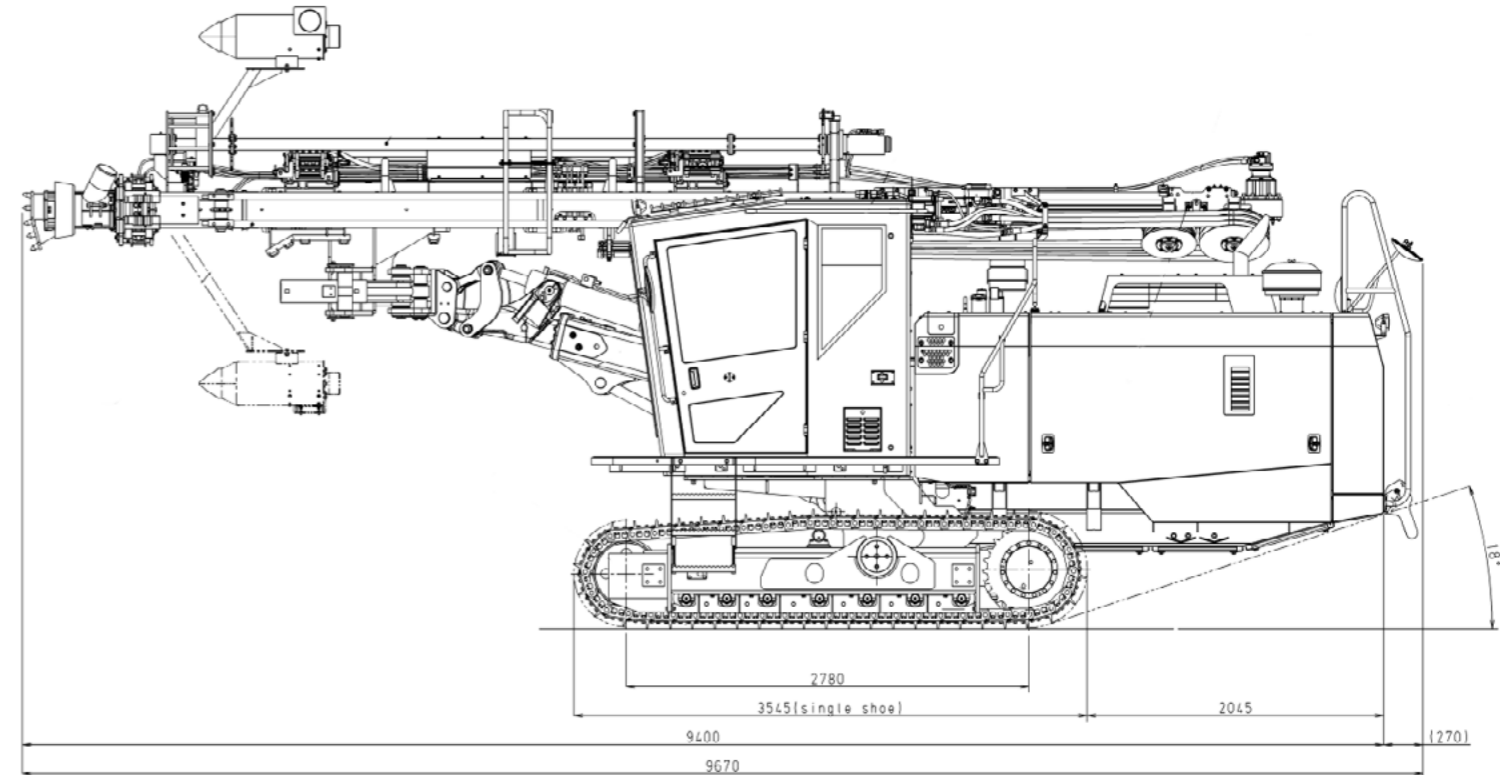
**FRD** FURUKAWA ROCK DRILL  
FURUKAWA

## SPECIFICATIONS

## DIMENSIONS

COMPONENT	IMPERIAL	METRIC
<b>DIMENSIONS AND WEIGHT</b>		
Operating Weight (A)*	36,294 lb	16,460 kg
Overall Weight (B)**	37,639 lb	17,070 kg
Overall Length	31'9"	9,670 mm
Shipping Length	31'8"	9,670 mm
Overall Width	11'5"	3,490 mm
Shipping Width	8'	2,445 mm
Overall Height	14'2"	4,310 mm
Shipping Height	10'10"	3,300 mm
<b>UNDERCARRIAGE</b>		
Track Length	11'5"	3,490 mm
Ground Contact Length	9'1"	2,780 mm
Track Width	1'1"	330 mm
Ground Contact Pressure ***	12.7 psi	87.9 kPa
Ground Clearance	1'5"	440 mm
Frame Oscillation Angle	±8.5°	
Max Trimming Speed	2.3 mph	3.7 km/h
Gradeability	57.4% (30°)	
Max Traction Force	22,139 lb-f	98.5kN
<b>DRIFTER</b>		
Model	HD828S	
Power	35 hp	26 kW
Frequency	45-55 Hz	
Max Torque	1,045 ft-lb	1,417 Nm
Max Rotation Speed	190 rpm	190 min <sup>-1</sup>
Bit Range	3-4.5 "	76-115 mm
<b>ENGINE</b>		
Make & Model	Cummins QSB 6.7 (Tier 5/Stage 5)	
Type	Diesel, Water-cooled, 6 cylinders	
Piston Displacement	1.47 gal	6.7 L
Power Output	260hp @ 2,500rpm	194 kW @ 2,500 min <sup>-1</sup>
Fuel Capacity	93.5 gal	425 L
DEF Capacity	4.2 gal	19 L
<b>COMPRESSOR</b>		
Model	PDSF265-S37F	
Type	Single stage screw compressor	
Manufacturer	AIRMAN	
Free Air Delivery	353 cfm	10 m <sup>3</sup> /min
Discharge Pressure	149 psi	1.03 MPa

COMPONENT	IMPERIAL	METRIC
<b>BOOM</b>		
Model	JE326-134	
Type	Extendable	
Boom Extension	2'11"	900 mm
Boom Lift Angle (Up/Down)	41° / 20°	
Boom Swing Angle (Right / Left)	32° / 5°	
<b>GUIDE SHELL</b>		
Model	GH832-33	
Length	28'7"	8,700 mm
Feed Length (with Reverse Percussion)	15'1"	4,595 mm
Feed Type	Hydraulic motor driven chain	
Guide Slide Length	4'11"	1,500 mm
Guide Swing Angle (Right / Left)	25° / 90°	
Guide Tilt Angle	170°	
Max Rod Pull-Out Force	7,642 lb-f	34 kN
<b>DUST COLLECTOR</b>		
Model	A885-44	
Suction Capacity	1,412 cfm	40m <sup>3</sup> /min
Number of Filter Elements	6	
Type of Dust Ejection	Automatic air pulse jet	
<b>ROD CHANGER</b>		
Model	GR803-31	
Number of Rod Storage	① 7 or ② 6 pieces	
Rod Length	① 12' or ② 14'	① 3,660 mm or ② 4,265 mm
Maximum Starter Rod Length	① 14' or ② 18'	① 4,265 mm or ② 5,490 mm
Rod Type	T45, T51, GT60 45-60 mm	
Hole Depth	① 84' or ② 100'	① 25.6 m or ② 30.5 m
<b>HYDRAULIC SYSTEM</b>		
Variable Displacement PV Pump	PV Pump x 2	
Fixed Displacement Pump	Gear Pump x 3	
Hydraulic Oil Reservoir Capacity	47.3 gal	215 L
<b>ELECTRICAL</b>		
Battery	12V x 2; 160Ah/5h	
Lights	24V; 70W x 4	
Voltage	24V DC	
<b>OPERATIONAL ENVIRONMENT</b>		
Working Temperature	5 ~ 113°F	-15 ~ 45°C



Note:  
 \* Operating Weight (A) includes weight of fuels and oils (full)  
 \*\* Operating Weight (B) includes Operating Weight (A) plus operator, bit and drilling rods  
 \*\*\* Ground contact pressure is calculated with Operating Weight (A)



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