

HCR1800-ED

With HD836 Drifter

HYDRAULIC CRAWLER DRILL

FRD
FURUKAWA

EPA Tier3 / EU Stage III A

**To achieve
more powerful and speedy drilling**

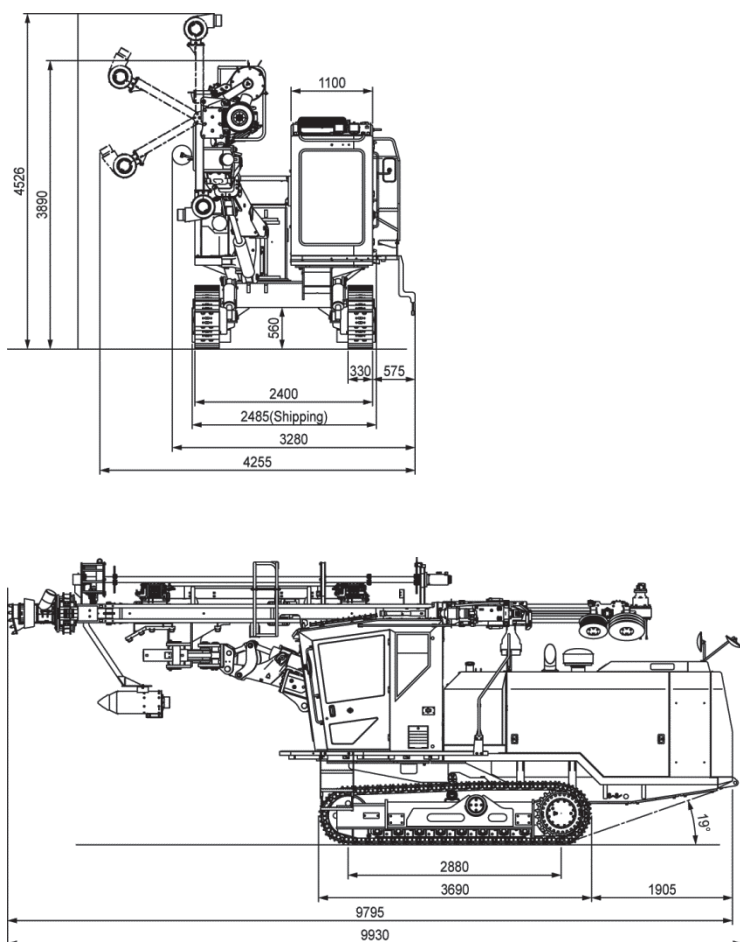
- ✓ High-power Drifter HD836
 - Highly-efficient percussion system
 - Dual damper system
- ✓ Hole diameter 93 mm-152 mm
- ✓ Safety ROPS/FOPS cabin
- ✓ Advanced rod changer
- ✓ Extension boom
- ✓ Powerful track



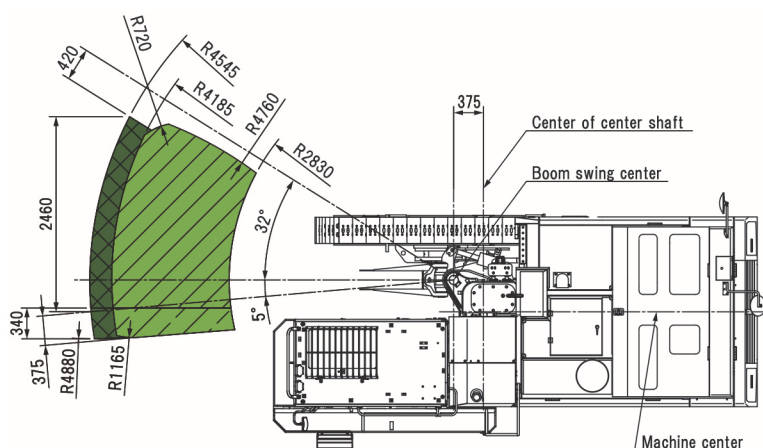
FRD FURUKAWA ROCK DRILL



■ Dimensions (mm)



■ Vertical Drilling Coverage (mm)



■ Specifications

Model	HCR1800-ED
Dimensions & Weight	
Operating Weight (A) *1	18,960 kg
Overall Length (Shipping)	9,930 mm (10,955 mm)
Overall Width (Shipping)	3,280 mm (2,485 mm)
Overall Height (Shipping)	3,890 mm (3,335 mm)
Drifter	
Model	HD836
Weight (with Reverse Percussion)	350 kg (403 kg)
Number of Rotations	0~120 min ⁻¹
Undercarriage	
Track Length	3,690 mm
Track Length on ground	2,880 mm
Track Width	330 mm
Ground Pressure *2	97.8 kPa
Ground Clearance	560 mm
Frame Oscillation Angle	±7.5°
Tramming Speed	0~3.5 km/h
Gradeability	57.4 % (30°)
Maximum Traction Force	127.0 kN
Engine	
Model	C9 (Tier3,Stage3A)
Type	Diesel, Water-cooled, 6cylinders
Make	CATERPILLAR
Power Output	261 kW / 2,200 min ⁻¹
Fuel Capacity	630 (420 + 210) L
Hydraulic Equipment	
Variable Displacement PV Pump	PV Pump x 2
Fixed Displacement Pump	Gear Pump x 3
Hydraulic Oil reservoir Capacity	240 L
Boom	
Model	JE326-134
Type	Extension Boom
Boom Lift Angle	Up 41°, Down 20°
Boom Swing Angle	Right 32°, Left 5°
Boom Extension Length	600 mm
Guide Shell	
Model	GH832-33
Length (For 14 feet)	8,700 mm
Feed Length (with Reverse Percussion)	5,225 mm (5,050 mm)
Feed Type	Hydraulic motor driven chain
Guide Slide Length	1,500 mm
Guide Swing Angle	Right 25°, Left 90°
Guide Tilt Angle	170°
Maximum Rod Pull-Out Force	34 kN
Compressor	
Model	PDSF290-S15B
Type	1 Stage screw compressor
Free Air Delivery	13.5 m ³ /min
Discharge pressure	1.03 MPa
Dust Collector	
Model	A885-42
Suction Capacity	40 m ³ /min
Number of Filter Element	6
Type of Dust Ejection	Automatic air pulse jet
Rod Changer	
Model (For 14 feet)	GR803-31
Number of Rod Storage	7 (ST58, GT60), 6 (GT60Tube: φ87)
Rod Length	4,265 mm
Bit and Rod	
Bit Range	93 ~140 (152)
Rod Size	ST58, GT60, GT60Tube (φ87)
Rod Length	4,265 mm (14 feet)
Maximum Starter Rod Length	5,490 mm (18 feet)
Electrics	
Battery	12V; 160Ah/5h × 2
Light	24V; 70W ×4
Voltage	DC24V
Operating Environment	
Working Temperature	-15 °C ~ +45 °C
Maximum Altitude	Max.2,500 m

Note

*1 "Operating Weight (A)" includes weight of fuel and oils (full)

*2 "Ground Contact Pressure" is calculated on "Operating Weight (A)".

The contents of this specifications are subject to change without notice in the future.