

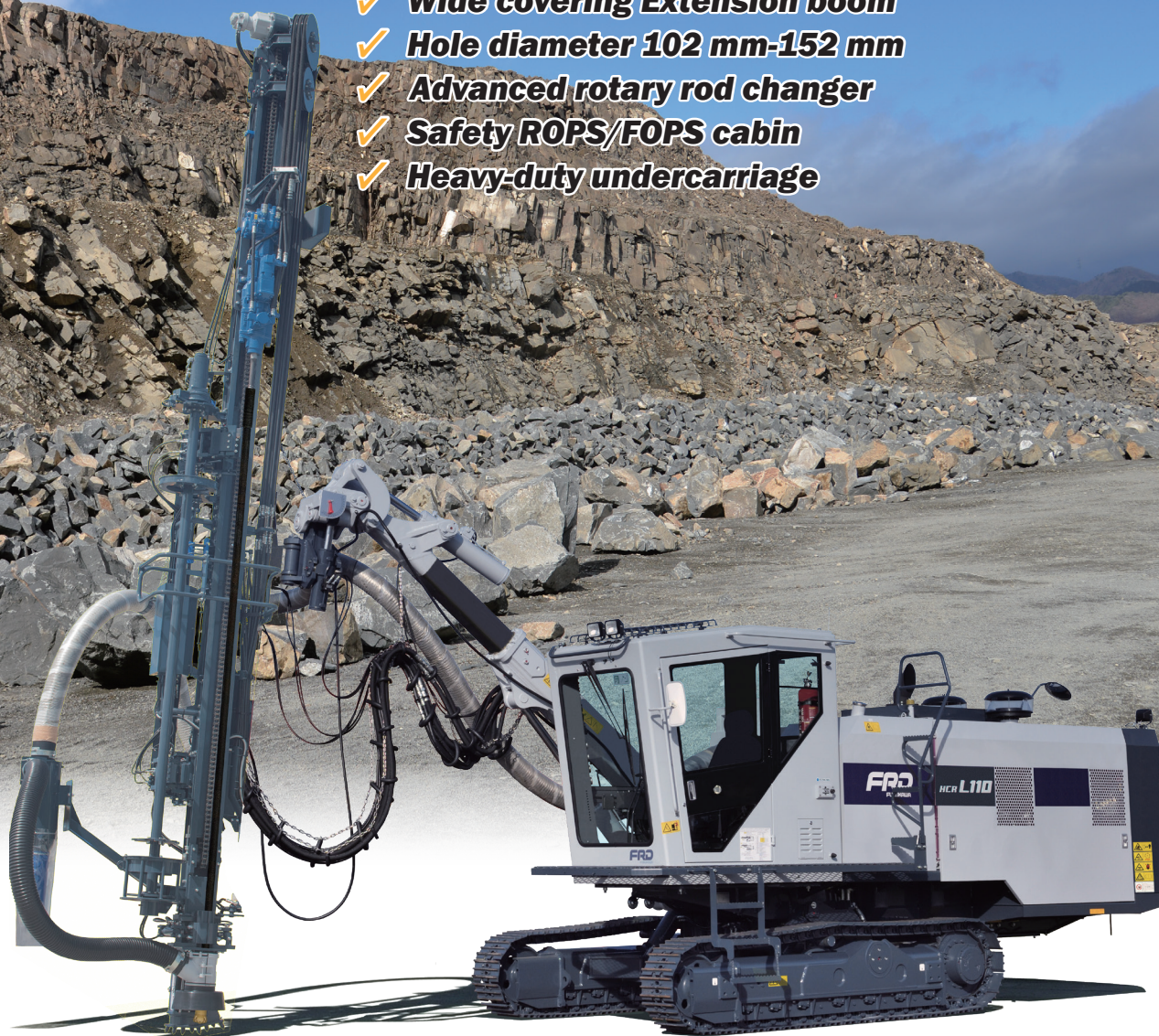
HCR L110

HYDRAULIC CRAWLER DRILL

with Tier 3 / Stage III - compliant engine

To achieve more powerful and speedy drilling

- ✓ **Drill faster and straighter with the HD836 drifter**
 - Highly-efficient percussion system
 - Dual damper system
- ✓ **Wide covering Extension boom**
- ✓ **Hole diameter 102 mm-152 mm**
- ✓ **Advanced rotary rod changer**
- ✓ **Safety ROPS/FOPS cabin**
- ✓ **Heavy-duty undercarriage**



Specifications

HCR L110-E3	
Dimensions & Weight	
Operating Weight ^{*1} ROPS/FOPS Cab (1100mm Wide)	19,210 kg
Overall Weight ^{*2} ROPS/FOPS Cab (1100mm Wide)	20,030 kg
Overall Length (Shipping ^{*3})	10,065 mm (11,095 mm)
Overall Width (Shipping ^{*3})	3,490 mm (2,465 mm)
Overall Height (Shipping ^{*3})	4,605 mm (3,500 mm)
Drifter	
Model	HD836
Weight (with Reverse Percussion)	350 kg (403 kg)
Impact Rate	2,600 - 3,100 min ⁻¹
Rotating Speed	0 ~ 120 min ⁻¹
Undercarriage	
Track Length	3,690 mm
Track Length on Ground	2,880 mm
Track Width	330 mm
Ground Pressure ^{*4}	99.0 kPa (ROPS/FOPS Cab: 1100mm Wide)
Ground Clearance	560 mm
Frame Oscillation Angle	± 7.5°
Tramming Speed	0 ~ 3.3 km/h
Gradeability	57.4 % (30°)
Maximum Traction Force	127 kN
Engine	
Model	C9.3B
Type	Diesel, Water-cooled, 6 Cylinders
Make	CATERPILLAR
Power Output	280 kW / 2,200 min ⁻¹
Fuel Capacity	640 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
Type	Extension Boom
Boom Lift Angle	Up 41°, Down 20°
Boom Swing Angle	Right 32°, Left 5° (ROPS/FOPS Cab: 1100mm Wide)
Boom Slide Length	600 mm
Guide Shell	
Model	GH832
Length	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-S16
Type	Single Stage Screw Compressor
Free Air Delivery	13.5 m³/min
Discharge Pressure	1.03 MPa
Dust Collector	
Model	A885
Suction Capacity	40 m³/min
Number of Filter Element	6
Type of Dust Ejection	Automatic Air Pulse Jet
Rod Changer	
Model	GR803
Rod Diameter (Outer Diameter)	ST58 / GT60
Number of Rod Storage	7
Rod Length	4,270 mm
Bit and Rod	
Bit Range	102 ~ 140
Rod Diameter (Outer Diameter)	ST58, GT60
Rod Length	4,270 mm (14 Feet)
Maximum Starter Rod Length	5,490 mm (18 Feet)
Electrics	
Battery	12V; 160 Ah / 5 h x 2
Light	24V; 70 W x 4
Voltage	DC 24 V
Operating Environment	
Ambient Temperature Range	-15 °C ~ +45 °C
Maximum Altitude	Max. 2,500 m

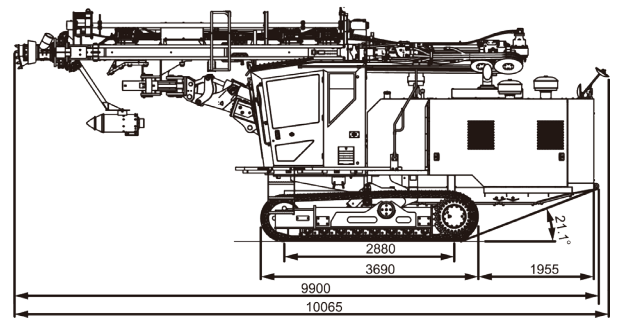
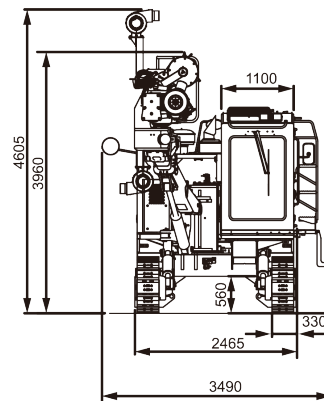
Note: *1 "Operating Weight" includes weight of fuel and oils (full).

*2 "Overall Weight" includes weight of an operator, a bit, rods, sleeves.

*3 at Shipping with transporting position.

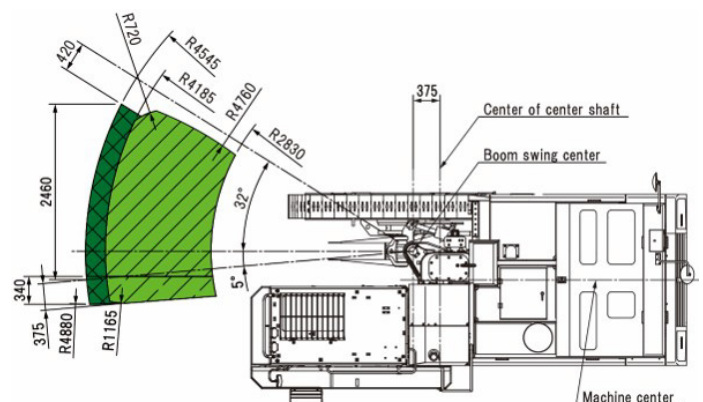
*4 Ground pressure is calculated by Operating Weight.

Dimensions (mm)



Drilling Coverage (mm)

Vertical drilling range on ground
Vertical drilling range



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