

# HCR1200





## Drill faster and straighter with the HD712 drifter

The Furukawa HD712 drifter combines powerful penetration with agility and easy operation. Equipped with features that maximize efficiency, the HD712 drifter sets the standard in high-performance drilling:



- Dual damper system maximizes energy transfer to produce straighter holes. The system automatically tunes the drifter for maximum performance regardless of the rock condition.

- Integrated drilling system is comprised of all-hydraulic controls and a reactive damper control system, which work together to accommodate changing rock conditions. The hydraulic controls automatically adjust impact and feed force, while the damper control system regulates pressure based on rock hardness.

- Compact valve design provides rapid valve and piston response for enhanced performance.



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

HCR 1200 ED cabs are ergonomically friendly with features that reduce operator fatigue. Cabs are 43" (1,100mm) with ROPS/FOPS standard. 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.
- Large windows maximize operator visibility.
- Rubber-mounted engine frame isolates cab from engine vibrations.
- High-visibility gauges allow operator to monitor machine functions while remaining focused on the drilling.
- Walk-around ground level maintenance provides fast, easy upkeep or repair.





## Combining performance and economy.

Combining performance and economy, the HCR 1200 ED is the perfect drill for quarries or construction sites. Simple, durable and efficient, the HCR1200 ED with extendable boom incorporates a self-adjusting drill system that ensures high productivity no matter what the drilling situation. By automatically controlling the impact force, feed force, rotation force and dual damper pressure, the HCR1200 continuously adapts to the changing rock conditions, increasing drilling performance and the life of drill tools while decreasing fuel consumption.

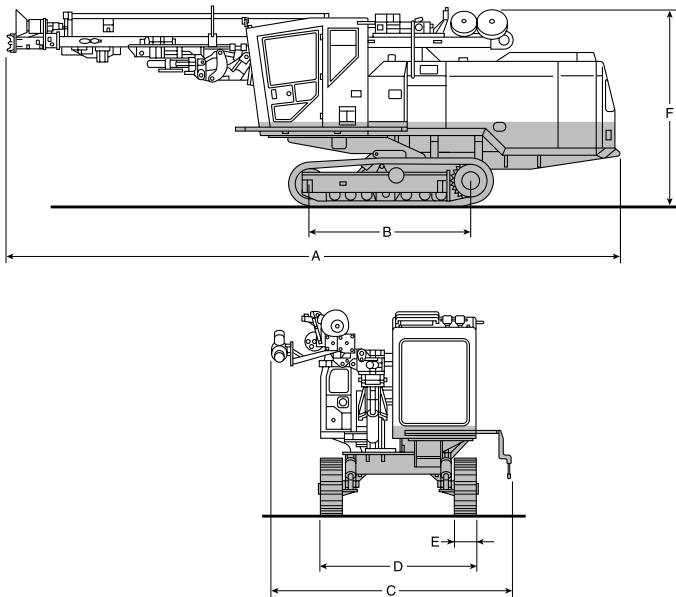
# HCR1200 ED

- HCR1200 ED features 12' rods with extendable boom for increased drill pattern.
- High-output compressor increases flushing air, provides faster drilling and decreases bit wear.
- Low-emission Tier II engines offer low fuel consumption and meets US exhaust emissions regulations.
- Advanced rotary rod changer allows easy drill rod changes. Operators can add and remove rods using a single lever. Rods can also be indexed in the rack to distribute wear evenly and reduce costs.
- Heavy-duty undercarriage – featuring a pentagonal section design to reduce dirt build-up and track wear – ensures strength and durability.
- Angle indicator for quick and easy drilling alignment.
- Reliable dust control system increases suction capacity and provides effective pre-cleaner to reduce escape of drilling dust. An optional dust suppression system is available for difficult drilling conditions.



## HCR1200\*

ED



### Weight & dimensions

Operating weight, lbs (kg)	33,510 (15200)
A Overall length, ft (mm)	31' 11" (9725)
B Ground contact length, ft (mm)	9' 1½" (2780)
C Overall width with pre-cleaner, ft (mm)	11' 5" (3490)
Transport width, ft (mm)	8' 6" (2591)
D Width over tracks, ft (mm)	7' 11" (2400)
E Width of shoe, ft (mm)	1' 1" (330)
F Overall transport height, ft (mm)	12' 3" (3730)

### Drifter:

**HD712**

Weight, lbs (kg)	485 (220)
Impact rate, per min	2300
Number of rotations, per min	0-190

### Undercarriage

Ground clearance, ft (mm)	1' 8" (520)
Oscillating angle, (degrees)	±7.5
Travel speed, mph (km/h)	0-1.92 (0-3.1)
Gradability degrees	30

### Engine: Cummins

**QSB5.9-C**

Type	Water-cooled direct injection, 6-cylinders turbo charged, Tier II diesel engine
Output/speed, Hp @ RPM	215 / 2500
No. of cylinders - bore / stroke, inch (mm)	6 - 4.01 / 4.72 (102 / 120)
Piston displacement, cubic inch (liters)	360" (5.9)

### Hydraulic pump

Type	2-variable displacement piston pumps supply pressure oil for both travel and drilling. 1-gear pump for cooling and dust collector.
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### Compressor:

**PDSF265-S32A**

Free air delivery, cubic foot/min (m³/min)	286' (8.1)
Delivery air pressure, PSI/MPa	1.03

### Boom:

**JE326-136**

Lift angle, degrees up/down	40/20
Swing angle, degrees right/left	38.5/6.5
Extension length, ft (mm)	3' 11" (1200)

### Guide Shell:

**GH832-30**

Length, ft (mm)	25' 6" (7800)
Feed length, ft (mm)	15' 2" (4620)
Slide length, ft (mm)	4' 11" (1500)
Swing angle, degrees right/left	30/90
Tilt angle, degrees	170
Guide rotary angle, degrees	90
Rod pull, force lbs (kN)	6632 (29.5)

### Dust collector

Suction capacity, cubic foot/min (m³/min)	1059' (30)
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### Cab

Type	ROPS-FOPS, Air-conditioned and pressurized with intake air filter
Width, ft (mm)	43" (1100)

### Rod arrangement

Type	Rod changer
Numbers of rod	6+1(starter rod)

### Bit and rod

Bit diameter, inch (mm)	2½" - 3½" (64 - 89)	3" - 4" (76 - 102)
Rod size	T38	T45
Rod length, ft (mm)	12' (3657)	
Starter rod length, ft (mm)	12' - 16' (3657 - 4877)	

\* Specifications include ROPS-FOPS cab, without bit and rod.

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

