



HCR900



Drill faster and straighter with the patented HD 709 drifter.

The Furukawa HD 709 Series drifter is designed to minimize drill noise and vibration without sacrificing performance. Incorporating a new piston design, the HD 709 drifter maximizes energy transmission and drills effectively in a variety of rock types.



- Dual dampening system consistently keeps the bit against the rock, ensuring efficient energy transfer and straighter holes. The system automatically tunes the drifter for maximum performance regardless of the rock condition.
- **Integrated Drilling System** incorporates all-hydraulic controls for automatic adjustment of impact and feed force to accommodate changing rock conditions. A reactive dampening control system regulates pressure based on rock hardness, providing superior drilling performance.
- Compact valve design, positioned close to the piston, provides rapid valve and piston response for enhanced efficiency.

Maximize operator performance with the ultimate in drilling technology.

- Ergonomically designed to minimize operator fatigue.
- Single-lever drilling controls allow easy operation of the drifter.
- Engine, compressor and hydraulic oil temperature gauges are highly visible, allowing the operator to monitor machine functions while remaining focused on the drilling.

- Sliding suction cap can be raised to allow a fast visual check of operation.
- Stable chassis – combining a low center of gravity, high ground clearance and protected undercarriage – enhances stability and confidence when tramming and drilling on rough terrain.
- Walk-around, ground-level maintenance provides fast, easy upkeep or repair. Hinged service doors provide easy access to required areas.



Combining performance and economy.

The HCR 900 is ideal for demanding site preparation applications. Simple, durable and efficient, the HCR 900 ES and the HCR 900 ES20 incorporate a self-adjusting drill system designed to maximize drilling efficiency through to the bottom of the hole. By automatically controlling the impact force, feed force, rotation force and dual dampener pressure, the HCR 900 continuously adapts to the changing rock conditions. As a result, drilling performance and the life of the drill tools are increased, while lowering fuel consumption.

- Extension boom increases drilling pattern flexibility.
- Design versatility allows for drilling either horizontally or vertically.
- High-output compressor increases flushing air, provides faster drilling and decreases bit wear.
- Upgraded dust collector has higher suction capacity than previous models. Dust collector includes an effective pre-cleaner to reduce escape of drilling dust. An optional dust suppression system is available for difficult drilling conditions.

HCR900 ES HCR900 ES20

- Low-emission, Tier II Caterpillar® engine offers low fuel consumption and meets major exhaust emissions regulations in Europe, the United States.
- Heavy-duty Caterpillar® undercarriage – featuring a pentagonal section design to reduce dirt build-up and track wear – ensures strength and durability.
- HCR 900 ES20 is ideal when drilling requirements exceed 12'. Depths up to 18' can be drilled without changing rods.
- Angle indicator for quick and easy drilling alignment.



HCR 900 ES Shown



HCR 900

ES

ES20

Weight & dimensions:

Operating weight, lbs (kg)	22,068 (10010)	22,300 (10115)
A Overall length, ft (mm)	32'-4" (9840)	33'-7" (10240)
B Ground contact length, ft (mm)		7' 9½" (2380)
C Overall width with pre-cleaner, ft (mm)		10' 7" (3220)
D Transport width, ft (mm)		8' 5¼" (2570)
Width over tracks, ft (mm)		7' 10" (2390)
Width of shoe, inch (mm)		12" (300)
F Overall transport height, ft (mm)		8' 11" (2720)

Drifter:

HD709

Weight, lbs (kg)	408 (185)
Impact rate, per min	2250 ~ 2500
Number of rotations, per min	0 ~ 250

Undercarriage: Caterpillar® Pentagonal

Ground clearance, ft (mm)	1' 11" (585)
Oscillating angle, degrees	+/- 10°
Travel speed, mph (km/h)	0 - 2.2 (0 - 3.5)
Gradability degrees	30°

Engine: Caterpillar®

3126B

Type	Water-cooled direct injection, 6-cylinders turbo charged, Tier II diesel engine
Output/speed, Hp @ RPM (Kw @ RPM)	176 @ 2200 (131 @ 2200)
No. of cylinders - bore / stroke, inch (mm)	6 - 4.33" / 5" (110 / 127)
Piston displacement, cubic inch (liters)	441.78" (7.24)

Hydraulic pump type:

Hydraulic pumps supply oil for both travel and drilling. 1-gear pump for cooling and dust collector.

Compressor:

PDS265-S35A

Free air delivery, CFM (m³/min)	250 (6.1)
Delivery air pressure, PSI (MPa)	150 (1.03)

Boom:

JE326

Lift angle, degrees up/down	45°/15°
Swing angle, degrees right/left	37°/43°
Extension length, ft (mm)	4' 11" (1500)

Guide Shell:

GH831

Length, ft (mm)	24' 9" (7485)	28' 9" (8763)
Feed length, ft (mm)	14' 11" (4550)	18' 11" (5765)
Slide length, ft (mm)		3' 11" (1200)
Swing angle, degrees right/left		40°/40°
Tilt angle, degrees		180°

Dust collector:

A884-221

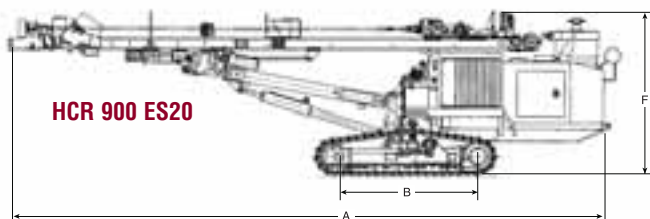
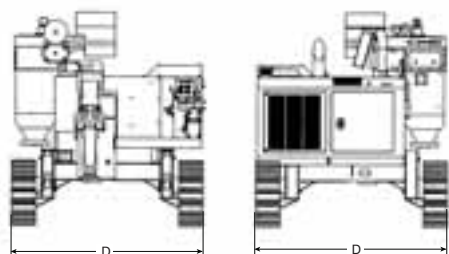
Suction capacity, CFM (m³/min)	706 (20)
Number of Filters	4

Rod arrangement:

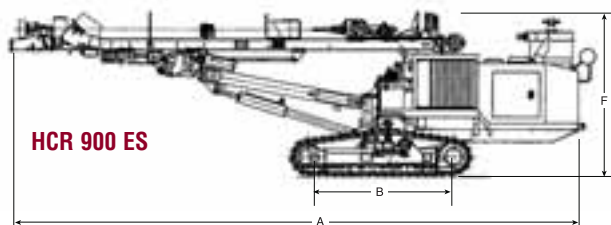
Type		Rack
Numbers of rod	4	3

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)	16' (4877)	20' (6096)



HCR 900 ES20



HCR 900 ES

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

