

Hyundai R145LCR-9

Hydraulic Excavator



ENGINE

Model	Mitsubishi D04FD-TAA
	Water cooled, 4 cycle Diesel, 4-Cylinders in line, direct injection, turbocharged, charged air cooled and low emission
Number of cylinders	4
Piston displacement	4,250cc
Nominal flywheel power	J1995 (gross) - 119 HP (89 kW) / 2,000 rpm J1349 (net) - 113 HP (85 kW) / 2,000 rpm 6271/1 (gross) - 121 PS (89 kW) / 2,000 rpm 6271/1 (net) - 115 PS (85 kW) / 2,000 rpm
Max torque	45.4 kgf.m (328 lbf.ft) / 1,700 rpm
Bore & stroke	102 x 130 mm
Alternator	24 V - 50 Amp

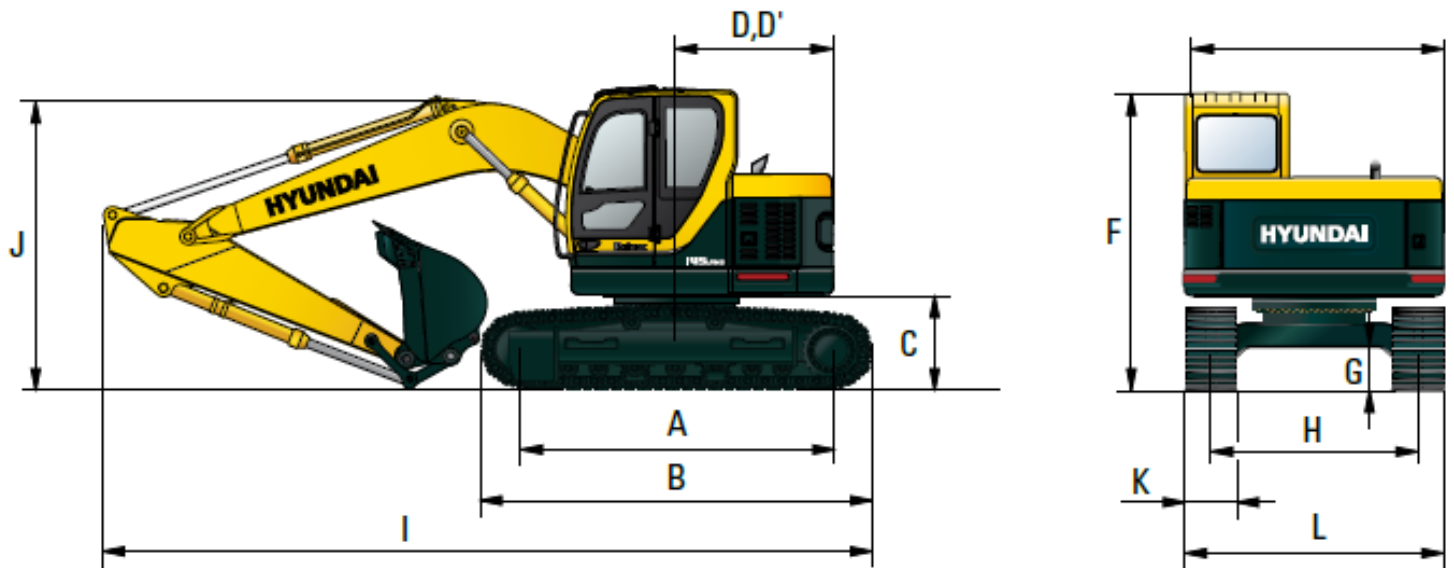
HYDRAULIC SYSTEM

Pump type	Two variable displacement piston pumps
Main Pump	2 X 130 L/min
Travel:	Two speed axial piston motor with brake valve and parking brake
Swing:	Axial piston motor with automatic brake

Call 01304 840845

OVENDEN

DIG IT > LOAD IT > CLEAR IT > MOVE IT



DIMENSIONS

Boom Length		4,600mm
Arm Length		3,000mm
A	Tumbler Distance	3,090mm
B	Overall Length of crawler	3,820mm
C	Ground Clearance of counterweight	930mm
D	Tail Swing Radius	1,480mm
D'	Rear end length	1,480mm
E	Overall Width upper structure	2,500mm
F	Overall Height of cabin	2,900mm
G	Min Ground Clearance	440mm
H	Track Gauge	2,000mm
I	Overall Length	7,300mm
J	Overall Height of boom	3,210mm
K	Shoe width	700mm
L	Overall Width	2,700mm

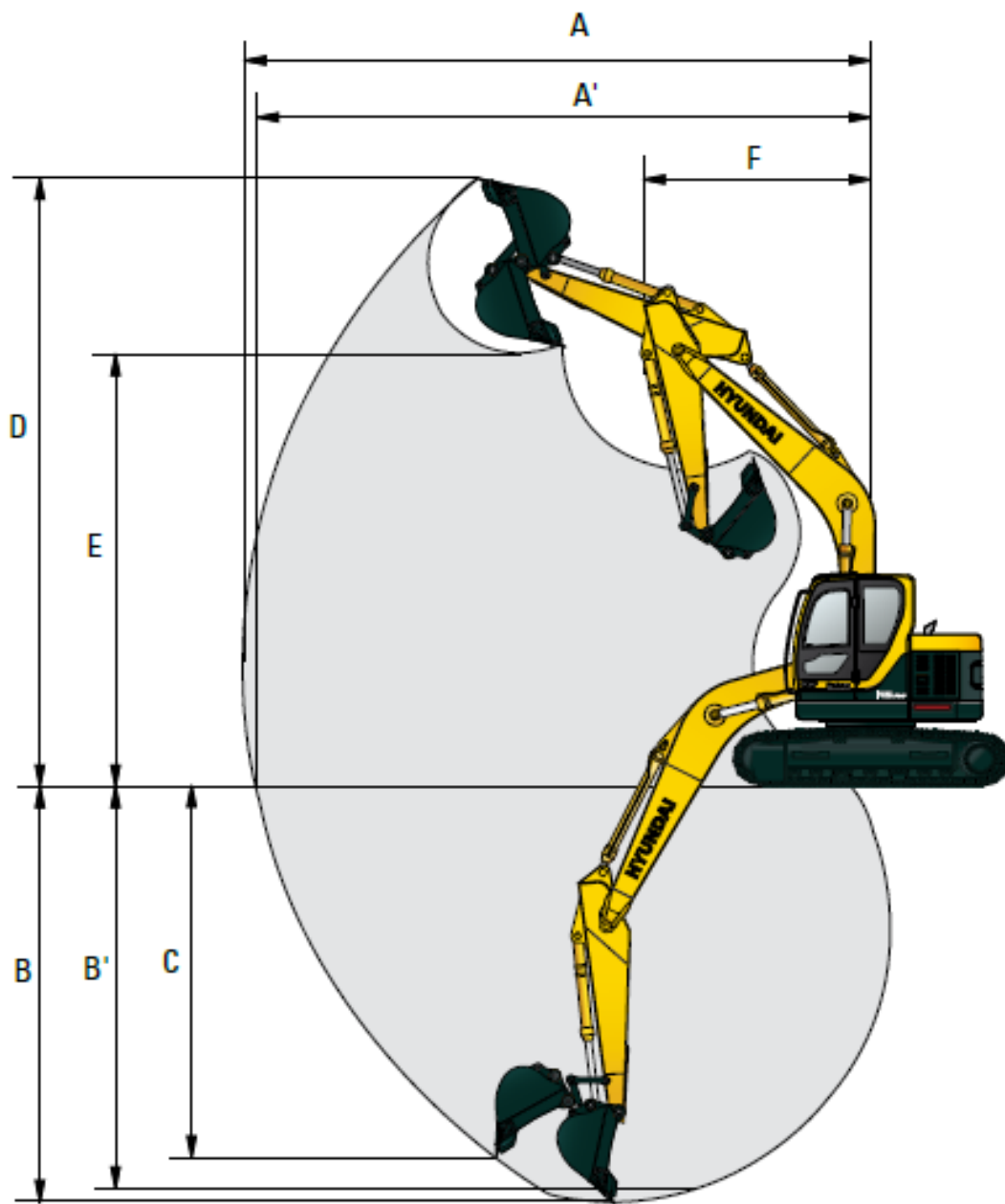
HYDRAULIC CYLINDERS

Cylinders	Quantity	Bore x Rod diameter x stroke
Boom	2	105 x 1,105 mm
Arm	1	115 x 1,138 mm
Bucket	1	100 x 840 mm
Blade	2	100 x 260 mm

Call 01304 840845

OVENDEN

DIG IT > LOAD IT > CLEAR IT > MOVE IT















DIMENSIONS

Boom Length		4,600mm
Arm Length		3,000mm
A	Max digging reach	8,790mm
A'	Max digging reach on ground	8,650mm
B	Max digging depth	6,050mm
B'	Max digging depth (8' Level)	5,870mm
C	Max vertical wall digging height	5,850mm
D	Max digging height	8,780mm
E	Max dumping height	6,330mm
F	Min swing radius	2,680mm

Call 01304 840845

LIFTING CAPACITY

Boom : 4.6 m (15' 1") / Arm : 3.0 m (9' 10") / Bucket : 0.52 m³ (0.68 yd³) SAE heaped / Shoe : 500 mm (20") triple grouser with 2,800 kg (6,170 lb) counterweight

Load point height m (ft)		Load radius										At max. reach		
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		Capacity		Reach
														m (ft)
6.0 m (20.0 ft)	kg lb					*2560 *5640	*2560 *5640	*1730 *3810	*1730 *3810			*2600 *5730	1470 3240	7.07 (23.2)
4.5 m (15.0 ft)	kg lb					*2760 *6080	*2760 *6080	*2550 *5620	2000 4410			2100 4630	1140 2510	7.86 (25.8)
3.0 m (10.0 ft)	kg lb			*3690 *8140	*3690 *8140	*3690 *8140	3210 7080	*3210 *7080	1910 4210	*1430 *3150	1200 2650	1880 4140	980 2160	8.27 (27.1)
1.5 m (5.0 ft)	kg lb			*7740 *17060	5690 12540	*5030 *11090	2920 6440	3220 7100	1780 3920	*1990 *4390	1150 2540	1800 3970	920 2030	8.36 (27.4)
Ground Line	kg lb			*9190 *20260	5090 11220	4970 10960	2670 5890	3080 6790	1660 3660	*1830 *4030	1100 2430	1860 4100	950 2090	8.14 (26.7)
-1.5 m (-5.0 ft)	kg lb	*5380 *11860	*5380 *11860	*9060 *19970	4890 10780	4810 10600	2530 5580	3000 6610	1590 3510			2090 4610	1080 2380	7.59 (24.9)
-3.0 m (-10.0 ft)	kg lb	*7860 *17330	*7860 *17330	*7790 *17170	4900 10800	4780 10540	2500 5510	3000 6610	1590 3510			*2460 *5420	1420 3130	6.59 (21.6)
-4.5 m (-15.0 ft)	kg lb	*8050 *17750	*8050 *17750	*5160 *11380	5080 11200	*3260 *7190	2620 5780							

1. Lifting capacity is based on SAE J1097, ISO 10567.
2. Lifting capacity of the Robex Series does not exceed 75% of the tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The load point is a hook located on the back of the bucket.
4. (*) indicates the load limited by hydraulic capacity.