

DHR 80A

DHR 80 A	Service weight	approx. 8300 kg (18300 lbs)
Drive	Deutz diesel engine F 6 L 912	air-cooled, 6 cylinders 74 kW (100 hp) at 2300 rpm
Diesel tank	Volume	approx. 100 litres (26 gal.)
Electric system	or 3-phase current motor	12 V - 143 Ah 55 kW (74 hp) - 2950 rpm star-delta, 380 or 550 V protective design IP 44 connection: CEE socket CEE plug
Hydraulic system with hydraulic oil cooler	Output-controlled double axial piston pump with attached double gear pump	max. $Q_1 = Q_2 = 90$ litres (24 gal.)/min. max. $p_1 = p_2 = 350$ bar (4975 psi) max. $Q_1 = 27$ litres (7 gal.)/min. max. $Q_2 = 19$ litres (5 gal.)/min. max. $p_1 = p_2 = 220$ bar (3125 psi)
Hydraulic tank	Volume	approx. 200 litres (52 gal.)
Travelling motor	Travel speed Grade ability	max. 5 km/h (3 mph) approx. 70% = 35° without compressor approx. 50% = 27° with 3-ton compressor
Crawlers	Spec. ground pressure Pendulum range Length of carriage Axle distance Width	0.05 N/mm ² (7 psi) +15°-19° 2810 mm (9' 2 1/2") 2170 mm (7' 1 1/2") 2290 mm (7' 6")
Feed assembly	Total length DHR 80 A Feed length Feeding force Retracting force Feeding speed Hydraulic damping facility	6250 mm (21' 9 1/2") 4000 mm (13' 1 1/2") max. 25000 N (5510 lbs) max. 45000 N (9920 lbs) 44 mm (1.73 in) [0.73 m/sec] [144 ft/min.; 2.4 ft/sec.] up to 178 mm (7") dia.
Optional Dust exhaust	Exhaust air volume Static underpressure Filter surface Filter material Hydr. motor speed Sound absorbing hood	15 m ³ /min. (530 cfm) 950 mm water column (195 lbs/sqft) 5.6 m ² (60 sqft) 8 synthetic elements 3000 rpm

Krupp HB 101/HB 103/HB 105 hydraulic hammer drills

Type		HB 101	HB 103	HB 105
Weight	kg (lbs)	240 (529)	270 (595)	370 (815)
Length L ₁ (incl. chuck)	mm (ft, in)	1142 (3' 9") 1352 (4' 5 1/4")	1292 (4' 2 3/4")	1222 (4' 0 1/8") 1365 (4' 5 1/4")
Impact mechanism	P	bar (psi)	150...170 (2130...2415)	
	Q	l/min. (gal./min.)	70...85 (18.5...22.5)	
	Z	blows/min.	1800	
Rotary mechanism	P	bar (psi)	150 (2130)	170 (2415)
	Q	l/min. (gal./min.)	65 (17)	90 (24)
	n	rpm	0...140	0...60 40...110*
	Md	Nm (ft lbs)	950 (685)	4000 (2890)
				6000 (4340) in parallel 3000 (2170) in series
Drill steels	chuck	mm (")	38 (1 1/2")	55 (2 1/8")
	drills	mm (")	38 (1 1/2") & 44 (1 3/4")	55 (2 1/8")
Bit dia.-impact drilling		mm (")	64-127 (2 1/2"-5")	
* for rotary drilling - without impact mechanism				