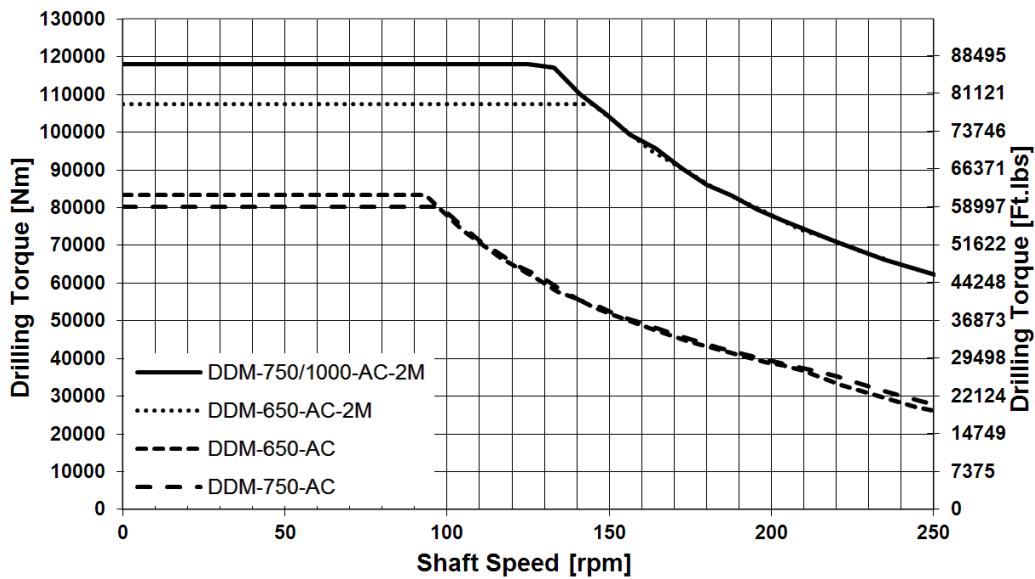


# Derrick Drilling Machine | MH™ DDM series

## Drilling Performance



## Technical Specifications

	DDM-650-AC	DDM-650-AC-2M	DDM-750-AC	DDM-750-AC-2M	DDM-1000-AC-2M
Controls			Electric remote		
Weight	48 700 lb (22 100 kg)	57 761 lb (26 200 kg)	59 500 lb (27 000 kg)	64 400 lb (29 200 kg)	64 400 lb (29 200 kg)
Power rating	1 150 hp (858 kW)	2 x 1 150 hp (858 kW)	1 150 hp (858 kW)	2 x 1 150 hp (858 kW)	2 x 1 150 hp (858 kW)
Height	24.6 ft (7.5 m)	20.7 ft (6.3 m)	23.0 ft (7.1 m)	21.3 ft (6.5 m)	21.3 ft (6.5 m)
Continuous torque, max.*	61 600 lbf-ft (83 800 Nm)	79 200 lbf-ft (107 400 Nm)	59 200 lbf-ft (80 200 Nm)	87 000 lbf-ft (118 000 Nm)	87 000 lbf-ft (118 000 Nm)
Speed @ max cont. Torque	93 rpm	145 rpm	98 rpm	125 rpm	125 rpm
Speed, max.	250 rpm	240 rpm	250 rpm	250 rpm	250 rpm
Hook load drilling	650 sh.tons (590 m.tons)	650 sh.tons (590 m.tons)	750 sh.tons (680 m.tons)	750 sh.tons (680 m.tons)	1 000 sh.tons (907 m.tons)
Hook load tripping	650 sh.tons (590 m.tons)	650 sh.tons (590 m.tons)	750 sh.tons (680 m.tons)	750 sh.tons (680 m.tons)	1 000 sh.tons (907 m.tons)
Pressure class	7 500 psi (517 bar)	7 500 psi (517 bar)	7 500 psi (517 bar)	7 500 psi (517 bar)	7 500 psi (517 bar)
IBOP pressure rating	15 000 psi (1 034 bar)	15 000 psi (1 034 bar)	15 000 psi (1 034 bar)	15 000 psi (1 034 bar)	15 000 psi (1 034 bar)
Water course	3 in (76.2 mm)	3 ½ in (90 mm)	3 ½ in (90 mm)	3.15 in (80 mm)	3.15 in (80 mm)
Torque wrench, make-up/break out	125 000 lbf-ft (169 500 Nm)	125 000 lbf-ft (169 500 Nm)	125 000 lbf-ft (169 500 Nm)	125 000 lbf-ft (169 500 Nm)	125 000 lbf-ft (169 500 Nm)
Hazardous area classification (according to IEC 60079-10-1 and API RP 505)			Zone 1		
Ambient temperature, min. /max.			-4 / +131°F (-20/ +55°C)		
Hydraulic requirements			47.6 gpm (us) @ 3 000 psi (180 l/min @ 210 bar)		

\* Performance at 113° F (45° C) ambient. Data is subject of confirmation by the manufacturer.