

DF538L HIGH-PERFORMANCE HYDRAULIC ROCK DRILL

Doofer DF538L is a highly efficient hydraulic rock drill equipped with two rotation motors capable of generating high levels of torque. This rock drill features a robust gearbox which maximizes durability for surface and underground use. DF538L application varies from general excavations, tunneling or mining. This model can be used with a Doofer original drill feed system component kit.



**CIVIL ENGINEERING,
SURFACE AND UNDERGROUND**

TECHNICAL SPECIFICATIONS

DOOFER DF538L DRIFTER

NOMINAL POWER CLASS		13 kW	17.4 hp
DRILL HOLE SIZE ⁴⁾		57 mm	2 1/4"
PERCUSSION FLOW		65–85 l/min	17–23 gpm
PERCUSSION PRESSURE		110–140 bar	1600–2050 psi
ROTATION MOTOR MAXIMUM FLOW ¹⁾	2x 20cc	50 l/min	13.2 gpm
	2x 32cc	50 l/min	13.2 gpm
	2x 40cc	50 l/min	13.2 gpm
	2x 50cc	50 l/min	13.2 gpm
ROTATION TORQUE ¹⁾	2x 20cc	181 Nm	131 lb-ft
	2x 30cc	295 Nm	218 lb-ft
	2x 40cc	363 Nm	268 lb-ft
	2x 50cc	456 Nm	336 lb-ft
ROTATION PRESSURE MAXIMUM		140 bar	2031 psi
ROTATION SPEED MAXIMUM ²⁾	2x 20cc	300 rpm	
	2x 32cc	240 rpm	
	2x 40cc	190 rpm	
	2x 50cc	154 rpm	
LUBRICATION	Air-oil mist	150–250 g/h	5.9–9.8 fl oz/h (1.7–2.9 dl/h)
LUBRICATION PRESSURE		4–7 bar	58–101 psi
LUBRICATION AIR FLOW		200–300 l/min	53–79 gpm
FLUSHING AIR PRESSURE ³⁾		5–10 bar	73–145 psi
FLUSHING AIR FLOW ³⁾		1500–2500 l/min	396–660 gpm
FLUSHING WATER PRESSURE ³⁾		4–12 bar	58–174 psi
FLUSHING WATER FLOW ³⁾		30–40 l/min	8–11 gpm
RECOMMENDED MAXIMUM FEED FORCE		10 kN	2250 lbf
WEIGHT		83 kg	183 lb
SHANK SIZE		R32, R38, T38	

¹⁾ Intermittent value.

²⁾ Continuous value. Maximum recommended speed 300 rpm.

³⁾ Actual values vary according to drilling conditions and equipment.

⁴⁾ Maximum drill hole size in normal drilling applications.

