

	Model N° : 12M33G1400/5	Revision : 12/11/2018
	PowerKit Engine Datasheet	Date : 23/06/2018
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Lubrication system

Oil Capacity Low-High (L)	117-155
Oil pressure in normal condition Idle speed (Bar)	≥ 2
Oil pressure in normal condition @ PRP (Bar)	4-6.5
Lowest oil pressure Alarm valve (Bar)	2
Max. oil temperature (°C)	105
Oil flow (L/min)	≥ 190
Oil fuel consumption ratio based on engine fuel consumption data	$\leq 0.3\%$
Total system capacity (including filter) (L)	155

Noise

Diesel engine noise (Acoustic power level) (dB(A))	121.6
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Fuel system

Governor	Electronical
Max. restriction at fuel pump inlet (clean/dirty filter) (Bar)	0.13
Max. fuel return restriction (Bar)	0.15
Max. fuel inlet temperature (°C)	45
Fuel supply flow @ PRP (m³/sec)	7.25×10^{-5}
Fuel supply flow @ ESP (m³/sec)	8.05×10^{-5}
Min. pressure of fuel pump (Bar)	0.35
Min. diameter of inlet pipe (mm)	12
Min. diameter of return pipe (mm)	12

Electrical system

Electrical system voltage (V)	24
Starter power (kW)	10
Battery charger current (A)	55
Max. electric resistance of the starting circuit (Ω)	0.002
Min. sectional area of wire (mm²)	95
Min. cold start temperature Without auxiliary starting device (°C)	-5
Min. cold start temperature With auxiliary starting device (°C)	-10