

ENGINE RATING

All data represent net performance with standard accessories such as air cleaner, inlet /exhaust manifolds, fuel oil system, L.O. pump, etc. under the condition of 29.38 in. (746 mm) Hg barometric pressure, 85° F(29.4°C) ambient temperature and 0.38 in.(9.7mm) Hg vapor pressure.

ITEM	UNIT	STAND - BY POWER			PRIME POWER		
		1800		1500	1800		1500
Engine Speed	rpm	1800		1500	1800		1500
No. of Cylinders		16					
Bore	mm (in.)	170 (6.69)					
Stroke	mm (in.)	180 (7.09)					
Displacement	liter (in. ³)	65.37 (3989)					
Brake Horse power with Fan	HP (kW)	2822 (2105)		2540 (1895)	2540 (1895)		2258 (1684)
Brake Mean Effective Pressure with Fan	kgf/cm ² (psi)	21.9 (311)		23.6 (336)	19.7 (280)		21.0 (299)
Mean Piston Speed	m/s (ft/min)	10.8 (2126)		9.0 (1772)	10.8 (2126)		9.0 (1772)
Maximum Regenerative Power Absorption Capacity without Fan	HP (kW)	258 (192)		188 (140)	258 (192)		188 (140)
Intake Air flow	m ³ /min (CFM)	182 (6426)		159 (5614)	164 (5791)		141 (4979)
Exhaust Gas Flow	m ³ /min (CFM)	482 (17019)		420 (14830)	434 (15325)		374 (13206)
Coolant Flow	liter/min (U.S. GPM)	1850 (489)		1300 (343)	1850 (489)		1300 (343)
Cooling Air Flow	m ³ /min (CFM)	2500 (88275)		2500 (88275)	2500 (88275)		2500 (88275)
Fan Loss Horse Power	HP (kW)	59 (44)		59 (44)	59 (44)		59 (44)
Radiated Heat to Ambient	kcal/hr (BTU/min)	137302 (9081)		119695 (7916)	123581 (8173)		106406 (7038)
Heat Rejection to Coolant	kcal/hr (BTU/min)	576667 (38140)		502719 (33249)	519041 (34329)		446905 (29558)
Heat Rejection to Air to Air Cooler	kcal/hr (BTU/min)	567513 (37535)		494739 (32721)	510802 (33784)		439811 (29089)
Heat Rejection to Exhaust	kcal/hr (BTU/min)	1485112 (98223)		1243437 (82239)	1336706 (88408)		1105386 (73109)
Noise Level (1 m height & distance) (excludes, Intake, Exhaust & Fan)	dB(A)						

The specifications are subject to change without notice.

APPLICATION : GENERATOR

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