



215 kW Perkins Package



T E C H N I C A L D A T A

Engine Model :		1306-E87TA300			1500 r/min	1800 r/min
Number of Cylinders:	6 in line			Fuel Consumption 1306-E87TA300: l/hr	53.2 (14.1)	61.5 (16.2)
Cubic Capacity: Lts (cu.in)	8.7 (530)					
Bore/Stroke : mm (in)	116.6 (4.59) / 135.9 (5.35)			Heat Rejection to Exhaust System: kW (Btu/min)	124 (7086)	145 (8252)
Compression Ratio :	16.9 : 1			Heat Rejection to Cooling System: kW (Btu/min)	96 (5464)	110 (6261)
Aspiration :	Turbocharged, A/A Charge Cooled			Total Radiated Heat : kW (Btu/min)	56.5 (3216)	63.5 (3614)
Frequency :	50 Hz	60 Hz		Exhaust Temperature:°C (°F) Prime	526 (979)	477 (890)
Engine Speed :	1500 RPM	1800 RPM		Cooling Air Flow m3/min (cfm)	409 (14420)	517 (18226)
Maximum Continuous/ Prime Power at Flywheel : kW (hp)	224 (300)	242 (325)		Combustion Air Flow:m3/min (cfm)	14.9 (525)	20.2 (712)
BMEP : kPa (psi) Prime	2055 (298)	1855 (269)		Exhaust Gas Flow : m3/min (cfm)	40.3 (1424)	51.3 (1811)
Piston Speed : m/sec (ft/sec)	6.8 (22.3)	8.2 (26.9)				
Fuel Tank Capacity:Lts(UK Gal)	350 (92.5)	350 (92.5)				

Note: Standard reference conditions 0.8 p.f. 25°C (77°F) ambient, 177m (600 ft) Altitude and 40°C (104°F) Fuel Inlet Temperature. All engine performance data based on the above mentioned maximum prime ratings. Fuel consumption data at full load (100%) with diesel fuel with a specific gravity of 0.85 and conforming to BS2869:1988, Class A2.



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