

RigMaster Power International Technical Customer Support

Quickservice Specification Sheet

A/C SYSTEM	PERKINS / CAT ENGINES		KOHLER
	SINGLE BLOWER	DUAL BLOWER (AUTUMN 2013)	DUAL BLOWER (2015 AND UP)
A/C REFRIGERANT	R134A	R134A	R134A
LOW PRESSURE	15 - 40 psi	15 - 40 psi	15 - 40 psi
HIGH PRESSURE	150 - 250 psi	150 - 250 psi	150 - 250 psi
FREON CAPACITY (T4-6 MODELS, V-BELT DRIVEN COMPRESSOR)	1.7 lb	-	-
FREON CAPACITY (T4-6 MODELS, SERPERTINE DRIVEN COMPRESSOR)	2.2 lb	1.0 lb	1.0 lb
FREON CAPACITY (LG200 MODELS)	0.65 lb	1.0 lb	1.0 lb
COMPRESSOR OIL	SP46, 100PAG	SP46, 100PAG	SP46, 100PAG
COMPRESSOR OIL CAPACITY (FOR LG200 MODELS)	3.3 oz + 1 oz	3.3 oz + 1 oz	3.3 oz + 3 oz
COMPRESSOR OIL CAPACITY (RMPs, T4-6, V10)	7 oz	7 oz	3.3 oz + 3 oz

ENGINE	PERKINS / CAT ENGINES	KOHLER
OIL CAPACITY	3 quarts (2.8 liters)*	5 quarts (5 liters)
ENGINE COOLING SYSTEM	1 gal	1 gal
FUEL CONSUMPTION	0.2 - 0.3 gal/h	0.2 gal/h
INTAKE & EXHAUST VALVE CLEARANCE	0.0078 in (0.2 mm)	0.0078 in (0.2 mm)
CYLINDER COMPRESSION	400 - 450 psi	335 - 485 psi
FUEL INJECTOR PRESSURE	2133 psi	2248 psi

Note: Engine RPM is set at where generator produces 61.5 Hertz. (CAT/ Perkins Generators Models Near 2900 RPM, LG200 Near 2700 RPM, Kohler Near 2400 RPM)

* Oil Capacity for Perkins engines before 2005 (SN: KNxxx - Grey Engine) is 2 quarts (1.9 liters)

TORQUE	PERKINS / CAT ENGINES	KOHLER
FLYWHEEL PULLEY	69 lb/ft (93.5 Nm)	69 lb/ft (93.5 Nm)
FLYWHEEL BOLTS	54 lb/ft (73.2 Nm)	59 lb/ft (80 Nm)
BACK PLATE BOLTS	11 lb/ft (14.9 Nm)	11 lb/ft (14.9 Nm)
PULLEY ADAPTER	37 lb/ft (50.1 Nm)	37 lb/ft (50.1 Nm)
DRIVE PULLEY	37 lb/ft (50.1 Nm)	37 lb/ft (50.1 Nm)
CYLINDER HEAD BOLTS	27 lb/ft (36.6 Nm)	36 lb/ft (50 Nm) + 90°
INJECTOR NUTS	20 lb/ft (27.11 Nm)	14.75 lb/ft (20 Nm)
UNION NUTS	15 lb/ft (20.3 Nm)	8.85 lb/ft (12 Nm)