

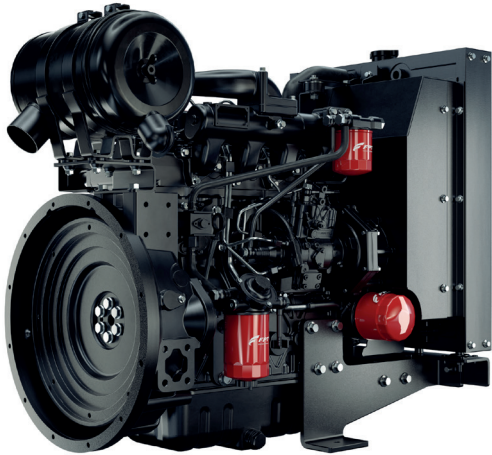
POWER GENERATION DATA SHEET

R24

20 – 30 – 40 kVA PRP @ 50 Hz

R24 G-DRIVE

20 - 30 - 40 kVA PRP @ 50 Hz



KEY FEATURES:

- Full compliance with EU standards and seamless integration within FPT Industrial domain.
- Compact 4-cylinder G-Drive, complete with engine, radiator and air filter for a limited footprint.
- 2.4-litre engine platform available as Naturally Aspirated and Turbocharged covering from 20 to 40 kVA.
- Robust, proven and reliable mechanical injection system.
- Single-side maintenance to ease and speed up service activities.
- Flexibility to switch between 1,500 to 1,800 rpm allows an efficient stock management for the Customers.

SPECIFICATIONS

Type-approval	Unregulated / Stage III A
Displacement [L]	2.4
Number of cylinders / valves	4 in line / 2 per cyl.
Bore x Stroke [mm]	87 x 103
Air handling	Naturally Aspirated / Turbocharged
Injection System	Mechanical pump (droop <5%)
Compression ratio	NA 20kVA: 19:1 - TC 30/40 kVA: 17.8:1
Dimensions* [L x W x H mm]	NA 20kVA: 987 x 544 x 785 - TC 30/40 kVA: 1002 x 576 x 813
Weight [kg]	NA 20kVA: 255 - TC 30/40 kVA: 265
Flywheel	NA 20 kVA: Flywheel housing SAE 4 and flywheel 7.5" TC 30/40 kVA: Flywheel housing SAE 3 and flywheel 11.5"
Electrical system	Starter 12V - 2.3 kW Alternator 12V - 40 A Glow plugs
Cooling system	Complete radiator kit, mounted Blower fan and protection grid for fan, pulleys and belt
Fuel system	Fuel filter and pre filter, single cartridge, mounted
Lubrication system	Single cartridge oil filter, mounted
Air intake system	Complete air filter system, mounted

*Not for installation. Dimensions may vary depending on specific configuration

POWER NODES

Engine Model	50 Hz / 1,500 rpm						60 Hz / 1,800 rpm						Typical Generator eff.	Fuel Consumption PRP at 1,500 rpm (50 Hz) [g/kWh]		
	Stand-by Power			Prime Power			Stand-by Power			Prime Power				100%	80%	50%
	kWm (net)	kWe	kVA	kWm (net)	kWe	kVA	kWm (net)	kWe	kVA	kWm (net)	kWe	kVA				
R24MAFS01.23A01 R24MANS01.23A02	23	20	24	23	20	24	24	20	25	24	20	25	88%	≤ 250	≤ 240	≤ 243
R24MSFS01.31A01 R24MSNS01.31A02	31	26	33	28	24	30	35	29	36	32	26	33	88%	≤ 245	≤ 251	≤ 257
R24MSFS01.40A01 R24MSNS01.40A02	40	34	42	36	30	38	40	33	41	36	30	37	88%	≤ 244	≤ 248	≤ 258