

APD66PEM



**POWER
YOUR
FUTURE**

**66kVA / 52.8 kW
POWERED by PERKINS**

DIESEL GENERATING SET 400/230 V - 50 Hz

MODEL			APD66PEM
Power Pf. 0.8	Standby	kVA	66
		kW	52.8
	Prime	kVA	60
		kW	48

Standby: Continuous running at variable load for duration of an emergency. No overload is permitted on these ratings. In accordance with ISO 3046 .
Prime: Continuous running at variable load for unlimited periods with 10% overload available for 1 hour in any 12 hour period. In accordance with ISO 8528,ISO 3046.

- ✓ High quality, reliable and complete power unit
- ✓ Compact design
- ✓ Easy start and maintenance possibility
- ✓ Every generating set is subject to a comprehensive test program which includes full load testing, checking and provision of all control and safety shut down functions testing
- ✓ Fully engineered with a wide range of options and accessories: Canopy, sound proof canopy and on-road trailer



Manufacturer reserves the right to make changes in model, technical specifications, color, equipment and accessories without prior notice.

ENGINE

PERKINS

PERKINS		
Model		1104D-44TG2
Engine Power Output at rated rpm	kWm	60.5
	HP	81.1
Aspiration and Cooling		Turbocharged
Total Displacement	Litre	3.3
No. of Cylinders and Build		3- Inline
Engine Speed	rpm	1500
Bore and Stroke	mmxmm	105x127
Compression Ratio		17.25:1
Governor		Mechanical
Fuel Consumption at full load	L/hr	13.9
Fuel Tank Capacity	Litre	Open: 82/Canopy: 82
Oil Capacity	Litre	8.3
Coolant Capacity	Litre	10.2
Radiator Cooling Air	m ³ /min	89
Air Intake – Engine	m ³ /min	3.9
Exhaust Gas Flow	m ³ /min	10.4

- ✓ Heavy duty Perkins diesel engine
- ✓ Four stroke, water cooled, turbocharged
- ✓ Direct injection fuel system
- ✓ Mechanical Governor system
- ✓ 12/24 V D.C. starter and charge alternator
- ✓ Replaceable fuel filter, oil filter and dry element air filter
- ✓ Cooling radiator and fan
- ✓ Starter battery (with lead acid) including Rack and Cables
- ✓ Flexible fuel connection hoses and manual oil sump drain valve
- ✓ Industrial capacity exhaust silencer and steel bellows
- ✓ Jacket water heater (at automatic models)
- ✓ Operation manuals and circuit diagram documents

ALTERNATOR Stamford (UCI224E)

Design	Brushless single bearing, revolving field
Stator	2/3 pitch
Rotor	Single bearing, flexible disc
Insulation System	Class H
Standard Temperature Rise	125 - 163°C Continuous
Exciter Type	Self Excited
Phase Rotation	A (U), B (V), C (W)
Alternator Cooling	Direct drive centrifugal blower fan
AC Waveform Total Harmonic Distortion	No load < 1.5%. Non distorting balanced linear load < 5%
Telephone Influence Factor (TIF)	<50 per NEMA MG1-22.43
Telephone Harmonic Factor (THF)	<2%

- ✓ Brushless, single bearing system, flexible disc, 4 poles
- ✓ Insulation class H
- ✓ Standard degree of protection IP21 (*IP22/IP23 is available.)
- ✓ Self-exciting and self-regulating
- ✓ Impregnation with tropicalised epoxy varnish
- ✓ Solid state Automatic Voltage Regulator
- ✓ Stator winding with 2/3 pitch for improved harmonics

