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FEATURES & BENEFITS

Durable – Highest quality components and world class manufacturing process ensures long life operation.

Economic – Reduce operating spare parts stock cost for ship owner. Low operational and maintenance cost with general overhaul at **32,000 hours**.

Reliable – Premium build specifications and design features developed to meet the arduous demands of marine environment.

Warranty – **3 years** standard warranty on main components for crankcase, crankshaft, connecting rods & camshaft.

TECHNICAL SPECIFICATIONS

- ⊕ Natural aspirated inline, turbocharged and turbocharged with intercooler vee diesel engine
- ⊕ Heat exchanger or keel cooled
- ⊕ Water cooled exhaust manifold
- ⊕ 24 Vdc electrical starting system
- ⊕ Set mounted DC panel include ammeter, hourmeter, lub oil pressure gauge, water temperature gauge, tachometer, key switch
- ⊕ Mechanical or electronic speed governor
- ⊕ Safety shutdown for low oil pressure, high water temperature & overspeed.
- ⊕ Uplift with skidbase
- ⊕ Brushless self excited AC marine alternator with AVR up to $\pm 0.5\%$ voltage regulation

Options :

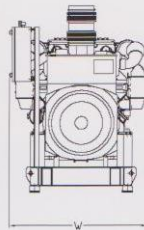
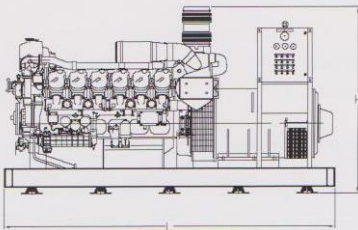
- ⊕ Class approval certificates
- ⊕ Other accessories

MODEL	ENGINE	1500 RPM - 50 Hz - 380 V		1800 RPM - 60 Hz - 440 V	
		kVA	kWe	kVA	kWe
PDM-270	6 M26 S	175 - 270	140 - 216	205 - 300	164 - 240
PDM-380	6 M26 SR	270 - 380	216 - 304	300 - 415	240 - 332
PDM-400	6 M26 SRP	380 - 400	304 - 320	415 - 440	332 - 352
PDM-430	8 M26 SR	400 - 430	320 - 344	440 - 500	352 - 400
PDM-480	8 M26 SRP	430 - 480	344 - 384	440 - 530	400 - 424
PDM-760	12 M26 SR	480 - 760	384 - 608	530 - 840	424 - 672
PDM-800	12 M26 SRP	760 - 800	608 - 640	840 - 890	672 - 712

Note : All engine rating data based on operation under standard ISO 3046/1 - 1986 (F).
 Reference conditions: Ambient 25°C, barometric pressure 100kPa, relative humidity 30%, sea water temperature 25°C.
 Fuel oil characteristics: Relative density 0.840 \pm 0.005, lower calorific power 42700Kj/Kg, consumption tolerances 0+5%.
 Prime power: An overload of 10% is permitted for one hour in every twelve hours of operation.
 Generators: Marine type, 4 poles, class "H" temperature rise 110°C, assume a power factor 0.8 & efficiency of approx 95%.
 For operation outside these conditions please consult the manufacturer.

TECHNICAL DATA

MODEL	PDM-270	PDM-380	PDM-400	PDM-430	PDM-480	PDM-760	PDM-800
ENGINE	6 M26 S	6 M26 SR	6 M26 SRP	8 M26 SR	8 M26 SRP	12 M26 SR	12 M26 SRP
Engine Prime Rating, 1500 rpm, kWm	232	322	338	368	405	640	675
Engine Prime Rating, 1800 rpm, kWm	256	353	375	420	449	707	750
No. of Cylinders	6	6	6	8	8	12	12
Cylinder Arrangement	In-line			Vee			
Cycles	4						
Induction System	Turbocharger	Turbocharger with intercooler					
Combustion System	Direct Injection						
Displacement (litres)	15.9	15.9	15.9	21.2	21.2	31.8	31.8
Bore (mm)	150						
Stroke (mm)	150						
Governing	Mechanical or Electronic						
Electrical System	12 V or 24 V						
Fuel Consumption, 1500 rpm, l/h (g/kWh)	59 (212)	81 (211)	85 (212)	94 (215)	103 (213)	162 (212)	171 (213)
Fuel Consumption, 1800 rpm, l/h (g/kWh)	68 (223)	90 (215)	96 (214)	113 (226)	116 (218)	181 (216)	192 (215)
Coolant Capacity	65	79	79	122	110	135	125
Lub Oil Capacity	70	70	70	97	97	133	133
Alternator Type	Brushless						
Excitation System	PMG Excited						
Voltage Regulation	± 1%					± 0.5%	
Alternator Bearing	Single or Double						
No. of Poles	4						



GENSET DIMENSION (Approx.)

MODEL	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	WEIGHT (kg)
PDM-270	3000	1229	1824	3000
PDM-380	3200	1229	1824	3300
PDM-400	3200	1229	1824	3500
PDM-430	2940	1472	1806	4200
PDM-480	2940	1472	1806	4200
PDM-760	3592	1495	2028	5600
PDM-800	3592	1495	2028	5600

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All information in this leaflet is substantially correct at the time of printing but may be altered subsequently by the Company

Publication Number : DDE/08/09

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Certificate No: 160091