

825 kVA - 2500 kVA Medium Voltage Generator Series

ENGINE

- G-Drive Series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged / turbocharged & air to air charge cooled
- Direct injection
- Mechanic / electronic governor system
- 12 / 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extension pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine jacket water heater (In automatic models)
- Maintenance and operating instructions

ALTERNATOR

- Brushless, single bearing
- H Class insulation type
- IP21-23 Protection class
- Self exciter
- Automatic voltage regulator
- Medium Voltage Output Level 3,3 kV 6,3 kV 11 kV and 15 kV
- 2/3 Pitch factor windings
- 4 Poles

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

QUALITY STANDARD DIRECTIVES

- 2006/42/EC (Machinery Directive)
- 2014/30/EC (EMC Directive)
- 2014/35/EC (Low Voltage Directive)
- 2000/14/EC (Noise Emission Directive)



Easy maintenance canopy design



Refilling from the outside of the canopy

CANOPY / CONTAINER

- Modular type sound-proof canopy / container
- Easy installation type without welding canopy
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

PROTECTION & ALARMS

- High water temperature
- Low oil pressure
- High & low engine speed
- Low radiator water level
- Over current load
- High & low genset voltage
- Start / stop failure

OPTIONAL EQUIPMENTS

- Charge ampmeter
- Circuit breakers (In automatic models)
- Residential / Critical type silencer
- Sound-proof canopy or container
- Mobile trailer and truck installation
- Synchronization panel for 2-32 gensets
- 3 pole / 4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Anticondensation heater
- Fuel automation systems
- Different IP and Insulation class alternator
- PMG

INTERNATIONAL QUALITY STANDARD

- EN12601, EN60204, EN12100, EN61000, EN55011
- TS ISO 8528, TS ISO 3744, TS ISO 3746, TS ISO 13857
- EN60034, EN55014, ISO 3046, BS5000, IEC 60034
- VDE 0530, BSE 4999, EN60335, IEC 2015:EC8 2004



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender

MODEL				N PR XX 825 MVXX	N PR XX 0900 MVXX	N PR XX 1002 MVXX
GROUP	GEN-SET POWER	STAND BY	kVA	825	900	1002
			kW	660	720	802
		PRIME	kVA	750	800	911
			kW	600	640	729
	OUTPUT VOLTAGE (VAC)			3300, 6300, 11000, 15000	3300, 6300, 11000, 15000	3300, 6300, 11000, 15000
	CANOPY DIMENSION (W x L x H) mm			1900 x 5250 x 3330	1900 x 5250 x 3330	2200 x 5550 x 3300
	OPEN DIMENSION (W x L x H) mm			1900 x 5000 x 2395	1900 x 5000 x 2395	2200 x 5300 x 2640
	OPEN WEIGHT / CANOPY WEIGHT kg			5180 / 6525	5490 / 6835	8090 / 9635
	CONTAINER DIMENSION (W x L x H) mm			1900 x 5290 x 3640	1900 x 5290 x 3640	2200 x 5300 x 3390
	CONTAINER WEIGHT kg			8100	8100	9700
ENGINE	BRAND			PERKINS	PERKINS	PERKINS
	TYPE			4006 - 23TAG2A	4006 - 23TAG3A	4008TAG1A
	POWER	STAND BY	kW	695	760	855
		PRIME	kW	632	679	778
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			22,921	22,921	30,561
	NUMBER OF CYLNDERS			6 IN LINE	6 IN LINE	8 IN LINE
	BORE x STROKE (mm x mm)			160 x 190	160 x 190	160 x 190
	COMPRESSION RATIO			13,6 : 1	13,6 : 1	13,6 : 1
	GOVERNOR TYPE			ELECTRONIC		
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED		
	COMBUSTION SYSTEM			DIRECT INJECTION		
	COOLING SYSTEM			WATER		
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		161,00	172,00	195,00
		%75 PRIME POWER		122,00	130,00	143,00
		%50 PRIME POWER		83,00	90,00	98,00
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			113,4	113,4	153	
TOTAL COOLANT CAPACITY (lt)			105	105	149	
FUEL TANK CAPACITY (lt)			1400	1400	2000	

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MODEL				N PR XX 1125 MVXX	N PR XX 1250 MVXX	N PR XX 1375 MVXX
GROUP	GEN-SET POWER	STAND BY	kVA	1125	1250	1375
			kW	900	1000	1100
		PRIME	kVA	1022	1125	1250
			kW	818	900	1000
	OUTPUT VOLTAGE (VAC)			3300, 6300, 11000, 15000	3300, 6300, 11000, 15000	3300, 6300, 11000, 15000
	CANOPY DIMENSION (W x L x H) mm			2200 x 5550 x 3300	2200 x 5550 x 3300	N/A
	OPEN DIMENSION (W x L x H) mm			2200 x 5300 x 2640	2200 x 5300 x 2640	2200 x 5350 x 2750
	OPEN WEIGHT / CANOPY WEIGHT kg			8450 / 9995	8480 / 10025	8080 / N/A
	CONTAINER DIMENSION (W x L x H) mm			2200 x 5300 x 3390	2200 x 5300 x 3390	N/A
	CONTAINER WEIGHT kg			9800	9800	N/A
ENGINE	BRAND			PERKINS	PERKINS	PERKINS
	TYPE			4008TAG2A	4008-30TAG3	4012 - 46TAG0A
	POWER	STAND BY	kW	958	1055	1158
		PRIME	kW	872	947	1053
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			30,561	30,561	45,842
	NUMBER OF CYLNDERS			8 IN LINE	8 IN LINE	12 - 60° V
	BORE x STROKE (mm x mm)			160 x 190	160 x 190	160 x 190
	COMPRESSION RATIO			13,6 : 1	13,1 : 1	13:1
	GOVERNOR TYPE			ELECTRONIC		
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED		
	COMBUSTION SYSTEM			DIRECT INJECTION		
	COOLING SYSTEM			WATER		
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		215,00	244,00	259,00
		%75 PRIME POWER		162,00	188,00	199,00
%50 PRIME POWER		111,00	120,00	139,00		
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			153	153	177	
TOTAL COOLANT CAPACITY (lt)			149	140	210	
FUEL TANK CAPACITY (lt)			2000	2000	2500	

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MODEL				N PR XX 1385 MVXX	N PR XX 1500 MVXX	N PR XX 1656 MVXX
GROUP	GEN-SET POWER	STAND BY	kVA	1385	1500	1656
			kW	1108	1200	1325
		PRIME	kVA	1250	1350	1505
			kW	1000	1080	1204
	OUTPUT VOLTAGE (VAC)			3300, 6300, 11000, 15000	3300, 6300, 11000, 15000	3300, 6300, 11000, 15000
	CANOPY DIMENSION (W x L x H) mm			N/A	N/A	N/A
	OPEN DIMENSION (W x L x H) mm			2200 x 5350 x 2750	2200 x 5350 x 2750	2200 x 5350 x 2750
	OPEN WEIGHT / CANOPY WEIGHT kg			8080 / N/A	8745 / N/A	8745 / N/A
	CONTAINER DIMENSION (W x L x H) mm			N/A	N/A	N/A
	CONTAINER WEIGHT kg			N/A	N/A	N/A
ENGINE	BRAND			PERKINS	PERKINS	PERKINS
	TYPE			4012 - 46TWG2A	4012 - 46TAG1A	4012 - 46TAG2A
	POWER	STAND BY	kW	1166	1263	1395
		PRIME	kW	1055	1148	1267
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			45,842	45,842	45,842
	NUMBER OF CYLNDERS			12 - 60° V	12 - 60° V	12 - 60° V
	BORE x STROKE (mm x mm)			160 x 190	160 x 190	160 x 190
	COMPRESSION RATIO			13,6:1	13:1	13,6:1
	GOVERNOR TYPE			ELECTRONIC		
	INDUCTION			TURBOCHARGED - AIR TO WATER CHARGE COOLED	TURBOCHARGED - AIR TO AIR CHARGE COOLED	
	COMBUSTION SYSTEM			DIRECT INJECTION		
	COOLING SYSTEM			WATER		
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		258,00	281,00	301,00
		%75 PRIME POWER		196,00	212,00	237,00
		%50 PRIME POWER		143,00	154,00	162,00
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			177	177	177	
TOTAL COOLANT CAPACITY (lt)			210	210	210	
FUEL TANK CAPACITY (lt)			2500	2500	2500	

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MODEL				N PR XX 1880 MVXX	N PR XX 2028 MVXX	N PR XX 2250 MVXX
GROUP	GEN-SET POWER	STAND BY	kVA	1880	2028	2250
			kW	1504	1622	1800
		PRIME	kVA	1710	1844	2000
			kW	1368	1476	1600
	OUTPUT VOLTAGE (VAC)			3300, 6300, 11000, 15000	3300, 6300, 11000, 15000	3300, 6300, 11000, 15000
	CANOPY DIMENSION (W x L x H) mm			N/A	N/A	N/A
	OPEN DIMENSION (W x L x H) mm			2200 x 5350 x 2750	2200 x 6000 x 3140	2200 x 6000 x 3140
	OPEN WEIGHT / CANOPY WEIGHT kg			9075 / N/A	10760 / N/A	10800 / N/A
	CONTAINER DIMENSION (W x L x H) mm			N/A	N/A	N/A
	CONTAINER WEIGHT kg			N/A	N/A	N/A
ENGINE	BRAND			PERKINS	PERKINS	PERKINS
	TYPE			4012 - 46TAG3A	4016TAG1A	4016 - 61TRG2
	POWER	STAND BY	kW	1583	1690	1895
		PRIME	kW	1440	1537	1684
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			45,842	61,123	61,123
	NUMBER OF CYLNDERS			12 - 60° V	16 - 60° V	16 - 60° V
	BORE x STROKE (mm x mm)			160 x 190	160 x 190	160 x 190
	COMPRESSION RATIO			13,6:1	13,6 : 1	13,6 : 1
	GOVERNOR TYPE			ELECTRONIC		
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED		TURBOCHARGED - AIR TO WATER CHARGE COOLED
	COMBUSTION SYSTEM			DIRECT INJECTION		
	COOLING SYSTEM			WATER		
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		370,00	383,00	422,00
		%75 PRIME POWER		275,00	277,00	318,00
		%50 PRIME POWER		187,00	185,00	216,00
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			177	237,2	237,2	
TOTAL COOLANT CAPACITY (lt)			210	316	252	
FUEL TANK CAPACITY (lt)			3000	3000	3500	

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MODEL				N PR XX 2264 MVXX	N PR XX 2500 MVXX
GROUP	GEN-SET POWER	STAND BY	kVA	2264	2500
			kW	1811,2	2000
		PRIME	kVA	2058	2250
			kW	1646,4	1800
	OUTPUT VOLTAGE (VAC)			3300, 6300, 11000, 15000	3300, 6300, 11000, 15000
	CANOPY DIMENSION (W x L x H) mm			N/A	N/A
	OPEN DIMENSION (W x L x H) mm			2200 x 6000 x 3140	2200 x 6000 x 3140
OPEN WEIGHT / CANOPY WEIGHT kg			10800 / N/A	11190 / N/A	
CONTAINER DIMENSION (W x L x H) mm			N/A	N/A	
CONTAINER WEIGHT kg			N/A	N/A	
ENGINE	BRAND			PERKINS	PERKINS
	TYPE			4016TAG2A	4016 - 61TRG3
	POWER	STAND BY	kW	1886	2083
		PRIME	kW	1715	1875
	SPEED (rpm)			1500	1500
	CYCLE			4	4
	DISPLACEMENT (lt)			61,123	61,123
	NUMBER OF CYLNDERS			16 - 60° V	16 - 60° V
	BORE x STROKE (mm x mm)			160 x 190	160 x 190
	COMPRESSION RATIO			13,6 : 1	13,6:1
	GOVERNOR TYPE			ELECTRONIC	
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED	TURBOCHARGED - AIR TO WATER CHARGE COOLED
	COMBUSTION SYSTEM			DIRECT INJECTION	
	COOLING SYSTEM			WATER	
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		434,00	470,00
%75 PRIME POWER		327,00	344,00		
%50 PRIME POWER		222,00	234,00		
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			237,2	237,2	
TOTAL COOLANT CAPACITY (lt)			316	270	
FUEL TANK CAPACITY (lt)			3500	4000	

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