

1880 kVA - 2250 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)

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 ammeter
- 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 60335-1:2004



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender

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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