

825 kVA - 3250 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 MT XX 825 MVXX	N MT XX 0880 MVXX	N MT XX 1000 MVXX	
GROUP	GEN-SET POWER	STAND BY	kVA	825	880	1.000	
			kW	660	704	800	
		PRIME	kVA	750	800	910	
			kW	600	640	728	
	OUTPUT VOLTAGE (VAC)				3300, 6300, 11000, 15000	3300, 6300, 11000, 15000	3300, 6300, 11000, 15000
	CANOPY DIMENSION (W x L x H) mm				5800×1800×2550	5800×1800×2550	6058×2438×2591
	OPEN DIMENSION (W x L x H) mm				4200×1650×2280	4200×1650×2280	4500×2000×2300
	OPEN WEIGHT / CANOPY WEIGHT kg				7000 / 10000	7000 / 10000	7850 / 12000
ENGINE	BRAND			MTU	MTU	MTU	
	TYPE			12V2000G65	12V2000G65	16V2000G25	
	POWER	STAND BY	kW	765	765	890	
		PRIME	kW	688,5	688,5	801	
	SPEED (rpm)			1500	1500	1500	
	CYCLE			4	4	4	
	DISPLACEMENT (lt)			23,88	23,88	31,84	
	NUMBER OF CYLNDERS			12	12	16	
	BORE x STROKE (mm x mm)			130*150	130*150	130*150	
	COMPRESSION RATIO			16.0	16.0	16.0	
	GOVERNOR TYPE			ELECTRONIC			
	INDUCTION			TURBO CHARGED			
	COMBUSTION SYSTEM			DIRECT INJECTION			
	COOLING SYSTEM			WATER			
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		202	202	198	
		%75 PRIME POWER		203	203	199	
		%50 PRIME POWER		210	210	203	
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			77	77	102		
TOTAL COOLANT CAPACITY (lt)			164	164	200		
FUEL TANK CAPACITY (lt)				350	450		

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MODEL				N MT XX 1100 MVXX	N MT XX 1250 MVXX	N MT XX 1375 MVXX	
GROUP	GEN-SET POWER	STAND BY	kVA	1.100	1.250	1.375	
			kW	880	1.000	1.100	
		PRIME	kVA	1.000	1.135	1.250	
			kW	800	908	1.000	
	OUTPUT VOLTAGE (VAC)				3300, 6300, 11000, 15000	3300, 6300, 11000, 15000	3300, 6300, 11000, 15000
	CANOPY DIMENSION (W x L x H) mm				6058x2438x2591	2270x7000x2550	2270x7000x2550
	OPEN DIMENSION (W x L x H) mm				4500x2000x2300	1910x4700x2350	1910x4700x2350
	OPEN WEIGHT / CANOPY WEIGHT kg				7850 / 12000	7650 / 10850	9700 / 12600
ENGINE	BRAND			MTU	MTU	MTU	
	TYPE			16V2000G65	18V2000G65	12V4000G21R	
	POWER	STAND BY	kW	975	1100	1212	
		PRIME	kW	877,5	990	1090,8	
	SPEED (rpm)			1500	1500	1500	
	CYCLE			4	4	4	
	DISPLACEMENT (lt)			31,84	35,7	48,72	
	NUMBER OF CYLNDERS			16	16	12	
	BORE x STROKE (mm x mm)			130*150	130*150	165x190	
	COMPRESSION RATIO			16.0	16.0	15.5	
	GOVERNOR TYPE			ELECTRONIC			
	INDUCTION			TURBO CHARGED			
	COMBUSTION SYSTEM			DIRECT INJECTION			
	COOLING SYSTEM			WATER			
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		198	202	199	
		%75 PRIME POWER		196	200	203	
		%50 PRIME POWER		201	204	208	
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			102	130	260		
TOTAL COOLANT CAPACITY (lt)			200	222	160		
FUEL TANK CAPACITY (lt)			450	450	670		

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MODEL				N MT XX 1650 MVXX	N MT XX 1700 MVXX	N MT XX 1800 MVXX	
GROUP	GEN-SET POWER	STAND BY	kVA	1.650	1.700	1.800	
			kW	1.320	1.360	1.440	
		PRIME	kVA	1.500	1.550	1.640	
			kW	1.200	1.240	1.312	
	OUTPUT VOLTAGE (VAC)				3300, 6300, 11000, 15000	3300, 6300, 11000, 15000	3300, 6300, 11000, 15000
	CANOPY DIMENSION (W x L x H) mm				6058x2438x2896	6058x2438x2896	12192x2438x2896
	OPEN DIMENSION (W x L x H) mm				6150x2150x2400	6150x2150x2400	6150x2150x2400
	OPEN WEIGHT / CANOPY WEIGHT kg				12000 / 17000	13000 / 18000	13500 / 19000
ENGINE	BRAND			MTU	MTU	MTU	
	TYPE			12V4000G23R	12V4000G23	12V4000G23	
	POWER	STAND BY	kW	1205	1575	1575	
		PRIME	kW	1084,5	1417,5	1417,5	
	SPEED (rpm)			1500	1500	1500	
	CYCLE			4	4	4	
	DISPLACEMENT (lt)			57,2	57,2	57,2	
	NUMBER OF CYLNDERS			12	12	12	
	BORE x STROKE (mm x mm)			170x210	170x210	170x210	
	COMPRESSION RATIO			16.5	16.5	16.5	
	GOVERNOR TYPE			ELECTRONIC			
	INDUCTION			TURBO CHARGED			
	COMBUSTION SYSTEM			DIRECT INJECTION			
	COOLING SYSTEM			WATER			
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		195	189	189	
		%75 PRIME POWER		200	195	195	
		%50 PRIME POWER		212	203	203	
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			260	260	260		
TOTAL COOLANT CAPACITY (lt)			200	200	200		
FUEL TANK CAPACITY (lt)			800	800	800		

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MODEL				N MT XX 2000 MVXX	N MT XX 2250 MVXX	N MT XX 2500 MVXX	
GROUP	GEN-SET POWER	STAND BY	kVA	2.000	2.250	2.500	
			kW	1.600	1.800	2.000	
		PRIME	kVA	1.813	2.050	2.250	
			kW	1.450	1.640	1.800	
	OUTPUT VOLTAGE (VAC)				3300, 6300, 11000, 15000	3300, 6300, 11000, 15000	3300, 6300, 11000, 15000
	CANOPY DIMENSION (W x L x H) mm				12192x2438x2896	12192x2438x2896	12192x2438x2896
	OPEN DIMENSION (W x L x H) mm				6150x2150x2400	6500x2600x2500	6550x2600x2500
	OPEN WEIGHT / CANOPY WEIGHT kg				14000 / 19500	17000 / 23000	17600 / 23600
ENGINE	BRAND			MTU			
	TYPE			12V4000G63			
	POWER	STAND BY	kW	1750	2185	2185	
		PRIME	kW	1575	1966,5	1966,5	
	SPEED (rpm)			1500			
	CYCLE			4			
	DISPLACEMENT (lt)			57,2			
	NUMBER OF CYLNDERS			12			
	BORE x STROKE (mm x mm)			170x210			
	COMPRESSION RATIO			16.5			
	GOVERNOR TYPE			ELECTRONIC			
	INDUCTION			TURBO CHARGED			
	COMBUSTION SYSTEM			DIRECT INJECTION			
	COOLING SYSTEM			WATER			
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		193	192	191	
		%75 PRIME POWER		194	195	193	
%50 PRIME POWER		201	205	203			
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			260				
TOTAL COOLANT CAPACITY (lt)			200				
FUEL TANK CAPACITY (lt)			800				

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MODEL				N MT XX 2750 MVXX	N MT XX 3000 MVXX	N MT XX 3250 MVXX	
GROUP	GEN-SET POWER	STAND BY	kVA	2.750	3.000	3.250	
			kW	2.200	2.400	2.600	
		PRIME	kVA	2.500	2.750	3.000	
			kW	2.000	2.200	2.400	
	OUTPUT VOLTAGE (VAC)				3300, 6300, 11000, 15000	3300, 6300, 11000, 15000	3300, 6300, 11000, 15000
	CANOPY DIMENSION (W x L x H) mm				12192x2438x2896	12192x2438x2896	12192x2438x2896
	OPEN DIMENSION (W x L x H) mm				8300x2950x2550	8300x2950x2550	8300x2950x2550
	OPEN WEIGHT / CANOPY WEIGHT kg				20500 / 26000	21000 / 26500	21000 / 26500
ENGINE	BRAND			MTU	MTU	MTU	
	TYPE			20V4000G23	20V4000G63	20V4000G63L	
	POWER	STAND BY	kW	2420	2670	2850	
		PRIME	kW	2178	2403	2565	
	SPEED (rpm)			1500	1500	1500	
	CYCLE			4	4	4	
	DISPLACEMENT (lt)			95,4	95,4	95,4	
	NUMBER OF CYLNDERS			20	20	20	
	BORE x STROKE (mm x mm)			170x210	170x210	170x210	
	COMPRESSION RATIO			16.5	16.5	16.5	
	GOVERNOR TYPE			ELECTRONIC			
	INDUCTION			TURBO CHARGED			
	COMBUSTION SYSTEM			DIRECT INJECTION			
	COOLING SYSTEM			WATER			
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		195	193	192	
		%75 PRIME POWER		201	199	197	
		%50 PRIME POWER		213	210	208	
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			390	390	390		
TOTAL COOLANT CAPACITY (lt)			260	260	260		
FUEL TANK CAPACITY (lt)			600	600	600		

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