

1385 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 MH XX 1385 MVXX	N MH XX 1500 MVXX	N MH XX 1656 MVXX	
GROUP	GEN-SET POWER	STAND BY	kVA	1350	1500	1650	
			kW	1080	1200	1320	
		PRIME	kVA	1260	1350	1500	
			kW	1008	1080	1200	
	OUTPUT VOLTAGE (VAC)				3300, 6300, 11000, 15000	3300, 6300, 11000, 15000	3300, 6300, 11000, 15000
	CANOPY DIMENSION (W x L x H) mm				3565 x 7000 x 2440	3565 x 7000 x 2440	3820 x 8000 x 2440
	OPEN DIMENSION (W x L x H) mm				3260 x 4420 x 2020	3260 x 4420 x 2020	3570 x 4900 x 2240
	OPEN WEIGHT / CANOPY WEIGHT kg				11939 / 17539	11994 / 17594	12379 / 18779
ENGINE	BRAND			MITSUBISHI	MITSUBISHI	MITSUBISHI	
	TYPE			S12R-PTA	S12R-PTA2	S12R-PTAA2	
	POWER	STAND BY	kW	1190	1285	1404	
		PRIME	kW	1080	1165	1277	
	SPEED (rpm)			1500	1500	1500	
	CYCLE			4	4	4	
	DISPLACEMENT (lt)			49,03	49,03	49,03	
	NUMBER OF CYLNDERS			12 V	12 V	12 V	
	BORE x STROKE (mm x mm)			170 X 180	170 X 180	170 X 180	
	COMPRESSION RATIO			14,0 : 1	13,5 : 1	13,5 : 1	
	GOVERNOR TYPE			ELECTRONIC	ELECTRONIC	ELECTRONIC	
	INDUCTION			TURBOCHARGED - AIR TO WATER COOLED / AFTER COOLER	TURBOCHARGED - AIR TO WATER COOLED / AFTER COOLER	TURBOCHARGED - AIR TO AIR COOLED / INTER COOLER	
	COMBUSTION SYSTEM			DIRECT	DIRECT	DIRECT	
	COOLING SYSTEM			WATER	WATER	WATER	
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		261,31	280,03	308,97	
		%75 PRIME POWER		201,75	211,41	231,73	
		%50 PRIME POWER		146,03	150,15	161,56	
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			180	180	180		
TOTAL COOLANT CAPACITY (lt)			335	305	368		
FUEL TANK CAPACITY (lt)			N/A	N/A	N/A		

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MODEL				N MH XX 1710 MVXX	N MH XX 1875 MVXX	N MH XX 2028 MVXX	
GROUP	GEN-SET POWER	STAND BY	kVA	1710	1905	2028	
			kW	1368	1524	1622,4	
		PRIME	kVA	1550	1750	1844	
			kW	1240	1400	1475,2	
	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	3865 x 7000 x 2440	3865 x 8000 x 2440
	OPEN DIMENSION (W x L x H) mm				N/A	3640 x 5100 x 2260	3640 x 4870 x 2260
	OPEN WEIGHT / CANOPY WEIGHT kg				N/A	13805,7 / 19405,7	13915,7 / 20315,7
ENGINE	BRAND			MITSUBISHI	MITSUBISHI	MITSUBISHI	
	TYPE			S12R - F1PTAW2	S16R-PTA	S16R-PTA2	
	POWER	STAND BY	kW	1432	1590	1740	
		PRIME	kW	1299	1450	1580	
	SPEED (rpm)			1500	1500	1500	
	CYCLE			4	4	4	
	DISPLACEMENT (lt)			49,03	65,37	65,37	
	NUMBER OF CYLNDERS			12 V	16 V	16 V	
	BORE x STROKE (mm x mm)			170 X 180	170 X 180	170 X 180	
	COMPRESSION RATIO			14,5 : 1	14,0 : 1	13,5: 1	
	GOVERNOR TYPE			ELECTRONIC	ELECTRONIC	ELECTRONIC	
	INDUCTION			TURBOCHARGED - AIR TO WATER COOLED / AFTER COOLER	TURBOCHARGED - AIR TO WATER COOLED / AFTER COOLER	TURBOCHARGED - AIR TO WATER COOLED / AFTER COOLER	
	COMBUSTION SYSTEM			DIRECT	DIRECT	DIRECT	
	COOLING SYSTEM			WATER	WATER	WATER	
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		323	341,66	387,28	
		%75 PRIME POWER		237,6	259,68	297,96	
		%50 PRIME POWER		163	183,44	209,88	
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			180	230	230		
TOTAL COOLANT CAPACITY (lt)			532	368	445		
FUEL TANK CAPACITY (lt)			N/A	N/A	N/A		

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MODEL				N MH XX 2264 MVXX	N MH XX 2500 MVXX	
GROUP	GEN-SET POWER	STAND BY	kVA	2200	2530	
			kW	1760	2024	
		PRIME	kVA	2000	2286	
			kW	1600	1828,8	
	OUTPUT VOLTAGE (VAC)				3300, 6300, 11000, 15000	3300, 6300, 11000, 15000
	CANOPY DIMENSION (W x L x H) mm				4220 x 9000 x 2440	4220 x 9000 x 2440
	OPEN DIMENSION (W x L x H) mm				3940 x 5770 x 2320	3940 x 5720 x 2300
	OPEN WEIGHT / CANOPY WEIGHT kg				14472,2 / 21672,2	15171 / 22371
ENGINE	BRAND			MITSUBISHI	MITSUBISHI	
	TYPE			S16R-PTAA2	S16R2-PTAW	
	POWER	STAND BY	kW	1895	2106	
		PRIME	kW	1684	1899	
	SPEED (rpm)			1500	1500	
	CYCLE			4	4	
	DISPLACEMENT (lt)			65,37	79,9	
	NUMBER OF CYLNDERS			16 V	16 V	
	BORE x STROKE (mm x mm)			170 X 180	170 X 220	
	COMPRESSION RATIO			13,5: 1	14,0 : 1	
	GOVERNOR TYPE			ELECTRONIC	ELECTRONIC	
	INDUCTION			TURBOCHARGED - AIR TO AIR COOLED / AFTER COOLER	TURBOCHARGED - AIR TO WATER COOLED / AFTER COOLER	
	COMBUSTION SYSTEM			DIRECT	DIRECT	
	COOLING SYSTEM			WATER	WATER	
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		402,12	500,2	
		%75 PRIME POWER		307,58	369,9	
		%50 PRIME POWER		215,04	251,3	
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			230	290		
TOTAL COOLANT CAPACITY (lt)			400	500		
FUEL TANK CAPACITY (lt)			N/A	N/A		

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