

825 kVA - 3750 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 CM XX 825 MVXX	N CM XX 0900 MVXX	N CM XX 1000 MVXX	
GROUP	GEN-SET POWER	STAND BY	kVA	825	900	1.041	
			kW	660	720	833	
		PRIME	kVA	750	820	939	
			kW	600	656	751	
	OUTPUT VOLTAGE (VAC)				3300, 6300, 11000, 15000	3300, 6300, 11000, 15000	3300, 6300, 11000, 15000
	CANOPY DIMENSION (W x L x H) mm				1900x5850x2420	2200x5700x2580	2270x6500x2550
	OPEN DIMENSION (W x L x H) mm				1700x4000x2100	1856x4318x2148	1700x4000x2060
	OPEN WEIGHT / CANOPY WEIGHT kg				5350 / 8500	6371 / 11000	6304 / 9200
ENGINE	BRAND			CUMMINS	CUMMINS	CUMMINS	
	TYPE			VTA28-G6	QSK23-G3	QST30-G3	
	POWER	STAND BY	kW	733	768	895	
		PRIME	kW	656	701	806	
	SPEED (rpm)			1500	1500	1500	
	CYCLE			4	4	4	
	DISPLACEMENT (lt)			28	23	30	
	NUMBER OF CYLNDERS			12	6	12	
	BORE x STROKE (mm x mm)			140x152	170x170	140x165	
	COMPRESSION RATIO			13:1	16:1	14:1	
	GOVERNOR TYPE			ELECTRONIC			
	INDUCTION			TURBO CHARGED			
	COMBUSTION SYSTEM			DIRECT INJECTION			
	COOLING SYSTEM			WATER			
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		147	162	184	
		%75 PRIME POWER		110	122,5	139	
		%50 PRIME POWER		73	85,1	94	
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			83	95	133		
TOTAL COOLANT CAPACITY (lt)			182	89	169		
FUEL TANK CAPACITY (lt)			350		400		

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MODEL				N CM XX 1100 MVXX	N CM XX 1400 MVXX	N CM XX 1675 MVXX	
GROUP	GEN-SET POWER	STAND BY	kVA	110	1.400	1.675	
			kW	888	1.120	1.340	
		PRIME	kVA	1.000	1.250	1.400	
			kW	800	1.000	1.120	
	OUTPUT VOLTAGE (VAC)				3300, 6300, 11000, 15000	3300, 6300, 11000, 15000	3300, 6300, 11000, 15000
	CANOPY DIMENSION (W x L x H) mm				2270x6500x2550	2270x7000x2550	2270x7000x2550
	OPEN DIMENSION (W x L x H) mm				2050x4500x2350	2000x5050x2250	2050x5550x2350
	OPEN WEIGHT / CANOPY WEIGHT kg				6934 / 12500	9190 / 16879	10348 / 18199
ENGINE	BRAND			CUMMINS	CUMMINS	CUMMINS	
	TYPE			QST30-G4	KTA50-G3	KTA50-G8	
	POWER	STAND BY	kW	970	1227	1429	
		PRIME	kW	880	1097	1200	
	SPEED (rpm)			1500	1500	1500	
	CYCLE			4	4	4	
	DISPLACEMENT (lt)			30	50	50	
	NUMBER OF CYLNDERS			12	16	16	
	BORE x STROKE (mm x mm)			140x165	159x159	159x159	
	COMPRESSION RATIO			14:1	13.9:1	14.9:1	
	GOVERNOR TYPE			ELECTRONIC			
	INDUCTION			TURBO CHARGED			
	COMBUSTION SYSTEM			DIRECT INJECTION			
	COOLING SYSTEM			WATER			
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		202	263	289	
		%75 PRIME POWER		151	203	222	
%50 PRIME POWER		102	144	155			
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			135	152	178		
TOTAL COOLANT CAPACITY (lt)			192	424	496		
FUEL TANK CAPACITY (lt)			480	670			

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MODEL				N CM XX 1760 MVXX	N CM XX 2000 MVXX	N CM XX 2250 MVXX	
GROUP	GEN-SET POWER	STAND BY	kVA	1.760	2.063	2.250	
			kW	1.408	1.650	1.800	
		PRIME	kVA	1.600	1.875	2.000	
			kW	1.280	1.500	1.600	
	OUTPUT VOLTAGE (VAC)				3300, 6300, 11000, 15000	3300, 6300, 11000, 15000	3300, 6300, 11000, 15000
	CANOPY DIMENSION (W x L x H) mm				2270x7000x2550	2420x10000x3300	
	OPEN DIMENSION (W x L x H) mm				2494x6175x3422	2550x5900x3150	2550x5900x3150
	OPEN WEIGHT / CANOPY WEIGHT kg				14825 / 16000	14880 / 26100	15095
ENGINE	BRAND			CUMMINS	CUMMINS	CUMMINS	
	TYPE			QSK60-GS3	QSK60-G3	QSK60-G4	
	POWER	STAND BY	kW	1835	1790	1915	
		PRIME	kW	1620	1615	1730	
	SPEED (rpm)			1500	1500	1500	
	CYCLE			4	4	4	
	DISPLACEMENT (lt)			60	60	60	
	NUMBER OF CYLNDERS			16	16	16	
	BORE x STROKE (mm x mm)			159x190	159x190	159x190	
	COMPRESSION RATIO			16.2:1	14.9:1	14.5:1	
	GOVERNOR TYPE			ELECTRONIC			
	INDUCTION			TURBO CHARGED			
	COMBUSTION SYSTEM			DIRECT INJECTION			
	COOLING SYSTEM			WATER			
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		365	363	394	
		%75 PRIME POWER		281	270	291	
		%50 PRIME POWER		197	190	200	
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			378	378	378		
TOTAL COOLANT CAPACITY (lt)			580	456	456		
FUEL TANK CAPACITY (lt)				250	250		

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MODEL				N CM XX 2500 MVXX	N CM XX 2750 MVXX	N CM XX 3000 MVXX	
GROUP	GEN-SET POWER	STAND BY	kVA	2.500	2.750	3.000	
			kW	2.000	2.200	2.400	
		PRIME	kVA	2.250	2.500	2.750	
			kW	1.800	2.000	2.200	
	OUTPUT VOLTAGE (VAC)				3300, 6300, 11000, 15000	3300, 6300, 11000, 15000	3300, 6300, 11000, 15000
	CANOPY DIMENSION (W x L x H) mm						
	OPEN DIMENSION (W x L x H) mm				2550x5900x3150	2550x5900x3150	2550x5900x3150
OPEN WEIGHT / CANOPY WEIGHT kg				16690	18549	18964	
ENGINE	BRAND			CUMMINS	CUMMINS	CUMMINS	
	TYPE			QSK60-G8	QSK78-G9	QSK78-G9	
	POWER	STAND BY	kW	2145	2539	2539	
		PRIME	kW	1942	2304	2304	
	SPEED (rpm)			1500	1500	1500	
	CYCLE			4	4	4	
	DISPLACEMENT (lt)			60	78	78	
	NUMBER OF CYLNDERS			16	18	18	
	BORE x STROKE (mm x mm)			159x190	170x190	170x190	
	COMPRESSION RATIO			14.5:1	15.5:1	15.5:1	
	GOVERNOR TYPE			ELECTRONIC			
	INDUCTION			TURBO CHARGED			
	COMBUSTION SYSTEM			DIRECT INJECTION			
	COOLING SYSTEM			WATER			
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		446	479	552	
		%75 PRIME POWER		336	370	402	
%50 PRIME POWER		232	261	283			
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			378	466	413		
TOTAL COOLANT CAPACITY (lt)			490				
FUEL TANK CAPACITY (lt)							

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MODEL				N CM XX 3300 MVXX	N CM XX 3500 MVXX	N CM XX 3750 MVXX
GROUP	GEN-SET POWER	STAND BY	kVA	3.300	3.500	3.750
			kW	2.640	2.800	3.000
		PRIME	kVA	3.000	3.125	3.350
			kW	2.400	2.500	2.680
	OUTPUT VOLTAGE (VAC)			3300, 6300, 11000, 15000	3300, 6300, 11000, 15000	3300, 6300, 11000, 15000
	CANOPY DIMENSION (W x L x H) mm					
	OPEN DIMENSION (W x L x H) mm			2550x6900x3150	2550x6900x3150	2550x6900x3150
OPEN WEIGHT / CANOPY WEIGHT kg			20000	20000	22000	
ENGINE	BRAND			CUMMINS	CUMMINS	CUMMINS
	TYPE			QSK95-G5	QSK95-G5	QSK95-G10
	POWER	STAND BY	kW	3036	3036	3245
		PRIME	kW	2696	2696	2882
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			95,3	95,3	95,3
	NUMBER OF CYLNDERS			16	18	18
	BORE x STROKE (mm x mm)			190x210	190x210	190x210
	COMPRESSION RATIO			14.5:1	14.5:1	14.5:1
	GOVERNOR TYPE			ELECTRONIC		
	INDUCTION			TURBO CHARGED		
	COMBUSTION SYSTEM			DIRECT INJECTION		
	COOLING SYSTEM			WATER		
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		660	660	670
		%75 PRIME POWER		490	490	515
		%50 PRIME POWER		335	335	367
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			N/A	N/A	N/A	
TOTAL COOLANT CAPACITY (lt)			N/A	N/A	N/A	
FUEL TANK CAPACITY (lt)			N/A	N/A	N/A	

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