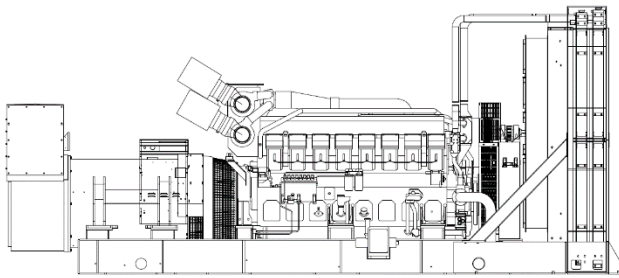


Standard Features:

- Kohler Co. provides one-source responsibility for the generating system and accessories
- The generator set and its components are prototyped-tested, factory-built and production tested
- The generator set complies with ISO8528-5, G3 requirement for transient performance
- A one-year limited warranty covers all systems and components.
- 100% one step load
- MHI engine
- Marathon alternator
- Operation manual

Rating Range

		KM2800
		50Hz
Standby	kW	2200
	kVA	2750
Prime	kW	2000
	kVA	2500



Generator Rating

Alternator	Voltage	Ph	Hz	Standby Rating		Prime Rating	
				kW/kVA	Amps	kW/kVA	Amps
	400	3	50	2200/2750	3969	2000/2500	3609
MXL-2240-4	380	3	50	2200/2750	4178	2000/2500	3798
	416	3	50	2200/2750	3826	2000/2500	3478

The standby rating is applicable to varying loads for the duration of a power outage. There is no overload capability for this rating.
 Prime Power Ratings: At varying load, the number of generator set operating hours is unlimited. A 10% overload capacity is available for one hour in twelve.
 Ratings are in accordance with ISO-8528-1 and GB2820

Alternator Specification

- NMEA MG1,IEEE and ANSI standards compliance for temperature rise and motor starting
- IP23
- Insulation: Class H
- 2/3 Winding Pitch

Specification	50Hz
Voltage	400V
Standby (27°C),kVA	3000
Continuous (40°C), kVA	2800
Efficiency (100% load)	95.7%

Specification	Alternator
Manufacturer	Marathon
Type	4 Pole
Leading Wire	6
AVR	DVR2400
Excitation system	PMG
Insulation/Temp rise	H/H
Bearing	Double
Voltage regulation	±0.25%

Specification

Engine

Engine Specification	
Manufacturer	Mitsubishi
Model	S16R2-PTAW2-E
Engine Type	Turbocharged
Cylinder	16V
Displacement, L	79.9
Bore and stroke, mm	170 x 220
Compression ratio	14:1
Piston speed, m/s	11
Rated speed (r/min)	1500
Max standby power, kW	2430
Governor Type	Electrical
Frequency regulation	±0.25%
Air cleaner type	Dry

Engine Electrical

Engine electrical	
System Voltage (DC)	24
Battery , CCA	4,1200
Battery voltage (DC)	12

Lubrication

Lubrication system	
Oil capacity (L)	200~260
Total Oil capacity (include filter) (L)	290
Min. oil pressure (bar)	2~3
Max. oil pressure (bar)	4~6

Exhaust

Exhaust system	
Exhaust flow at prime power, m^3/min	506
Exhaust temperature °C	508
Max back pressure, mmH_2O	600
Exhaust outlet size, mm	See ADV

The standby rating is applicable to varying loads for the duration of a power outage. There is no overload capability for this rating.
Prime Power Ratings: At varying load, the number of generator set operating hours is unlimited. A 10% overload capacity is available for one hour in twelve.
Ratings are in accordance with ISO-8528-1 and GB2820

Specification

Cooling System

Cooling System

Ambient temperature (standby) °C	40
Coolant capacity (only engine) L	190
Coolant capacity (radiator and engine), L	890
Heat rejected to jacket water (kW)	960
Heat rejected to charge cooling water (kW)	692
Fan diameter (mm)	2134
Fan loss (kW)	100
Max. restriction of cooling air, intake and discharge side of radiator (kPa)	0.15
Radiator cooling air flow m^3/min	3600

Air requirement

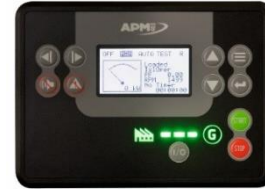
Combustion, m^3/min	191
Air Density = $1.20 kg/m^3$ (0.075 lb/ ft^3)	

Fuel Consumption

Diesel

110% load	586 L/h / 205 g.kW/h
100% load	532 L/h / 203 g.kW/h
75% load	414 L/h / 200 g.kW/h
50% load	292 L/h / 202 g.kW/h

Controller



The APM403 is a versatile control unit which allows operation in manual or automatic mode

- Measurements: voltage and current
- kW/kWh/kVA power meters
- J1939 CAN ECU engine control
- Alarms and faults: Oil pressure, Coolant temperature, Overspeed, Start-up failure, alternator min/max,
- Emergency stop button.
- Engine parameters: Fuel level, hour counter
- Mains and genset protection
- Clock management
- USB connections, USB Host and PC,
- Communications: RS485 INTERFACE
- ModBUS protocol /SNMP

The standby rating is applicable to varying loads for the duration of a power outage. There is no overload capability
Prime Power Ratings: At varying load, the number of generator set operating hours is unlimited. A 10% overload cap
Ratings are in accordance with ISO-8528-1 and GB2820

Internal Communication: For internal & partner use only.

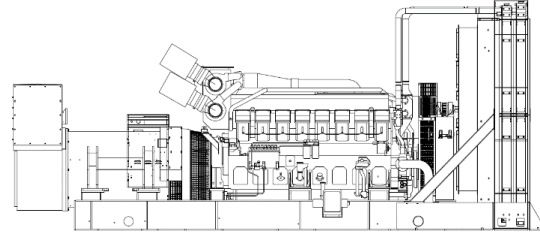
Standard Configuration

- Diesel engine
- Mechanical cooling system
- IP23 alternator:
 - Space heater
 - DVR2400
 - PMG
 - Winding PT100
 - Bearing PT100
- APM403 Controller (with battery charger)
- Fuel Hose
- Air filter indicator

Option

- Muffler (18-25dBA)
- Coolant and oil
- Exhaust bellow
- Starting battery group
- Spring isolator
- Droop CT

Dimension and weight



L x W x H (mm): 7440 x 2859 x 3331

Dry weight (kg): 18510

Wet weight (kg): 19665