

Model	DLD660
Prime Power (50Hz)	600kW/750kVA
Standby Power (50Hz)	660kW/825kVA

Standard configuration

Shanghai Mitsubishi S6R2-PTAA-C
 40 °C radiator
 ComAp control system MRS10/MRS16/IC-NT
 High quality U-steel base frame, integrated high efficiency
 Absorber
 DC high-energy start-up lead-acid batteries
 Output circuit breaker
 Industrial muffler, ripple flex exhaust pipe
 Installation and operation instruction manual



Reference only

Generator set specification

Rated voltage (V)	400/230
Rated current (A)	1080/1188
Rated frequency (Hz)	50
Power factor	0.8 (lagging)
Line system	Three-phase four-wire system
Rated speed (r/min)	1500
Voltage adjustment range (%)	95~105
Voltage adjustment rate (%)	≤±0.5 (Stable state) ±15 (Transient state)
Frequency adjustment rate (%)	≤1 (Stable state) ±10 (Transient state)
Voltage fluctuation rate (%)	≤±1
Frequency fluctuation rate (%)	≤0.5
Time for voltage to stabilize (s)	≤1
Time for frequency to stabilize (s)	≤5
Fuel specification and grade	0# light diesel
Fuel consumption rate(g/kw·h)	206(PRP), 208(ESP)
Oil consumption rate(g/kw·h)	0.4
Noise value dB(A)	<105dB 1m at set side
Genset dimension (L×W×H) (mm)	4200×1800×2120 (open type) 6058×2438×2591 (soundproof type)
Net weight (kg)	5800 without coolant and oil (open type) 6950 without coolant and oil (soundproof type)

Engine specification

Aspiration	Turbocharged, aftercooler
Bore / stroke (mm)	170/220
Displacement (L)	29.96
Cylinder arrangement	6 in line
Compression ratio	14.1:1
Rated speed (RPM)	1500
Maximum output power (kW)	710
Speed control	Electric

Exhaust system

Exhaust gas flow (m ³ /min)	143(PRP), 159(ESP)
Maximum exhaust gas temp (°C)	510(PRP), 520(ESP)
Maximum back pressure (kPa)	5.8
Air intake system	
Intake air flow (m ³ /min)	54(PRP), 60(ESP)
Max intake air restriction (kPa)	6.1
Cooling system	
Coolant capacity-Total (L)	160
Maximum coolant temperature (°C)	98
Thermostat adjustment range (°C)	71-85
Lubrication system	
Total capacity (L)	94
Maximum oil temperature (°C)	110
Fuel system	
100%standby power (L/h)	/
100%prime power (L/h)	164
75%prime power (L/h)	/
50%prime power (L/h)	/
25%prime power (L/h)	/


Alternator specification

Compliance with GB755, EN60034, BS5000, VDE0530, NEMAMG1-32, IEC34 standards

Number of pahses	3
Connection type	Y
Bearing	1
Power factor	0.8
Protection grade	IP 23

Insulation class	H
Temperature rise grade	H
Winding pitch	2/3
Excitation type	Brushless self excitation
Excitation control mode	AVR

Control system

Manufacturer and model		ComAp NT MRS 10
Product description	Functions and protections	 <p>IntelLite NT MRS 10</p>
1.Controller for Single Genset prime or standby application 2.Support the electronic control engines 3.Integrated visual design of computer software as configuration / monitoring / control local or remote	1.Over/under voltage 2.Voltage asymmetry and Phase rotation 3.Over/under frequency 4.Overcurrent 5.Overload 6.Power factor 7.Temperature 8.Fuel(Gas) level	
Key features	Basic technical parameters	
1. Automatic or manual start/stop 2.Plug-in expansion, multiple function options (Modbus, network cable, SMS, input/output), one expansion card slot 3.Modify the controller configuration through power supply by the Computer USB output 4.Total have three analog inputs, 6+1 switch input, 6 switch outputs 5.Configurable MODBUS	1. Power supply range: 8 ~ 36VDC 2. Operating temperature: -20 ~ 70℃ 3. Voltage measurement inputs: 3ph-n Gen voltage, 4. 3ph-n Mains voltage Voltage measurement range: 277V Voltage measurement range: 40~70 Hz (accuracy 0.1 Hz) Current measurement range: 5A Display type: Build-in monochromatic 3.2" Display resolution: 132×64px	

IntelLite NT MRS 10

Optional accessories

Engine	Control system
<ul style="list-style-type: none"> Jacket heater Oil-water separator Heavyduty air filter Coolant level sensor 	<ul style="list-style-type: none"> Moisture-proof heater Anti-surge protector ComAp IntelLite IC-NT
Alternator	ATS self - switching system
<ul style="list-style-type: none"> Anti condensation heater MARATHON/STAMFORD/M generator PMG 	<ul style="list-style-type: none"> ATS(G+M)* ATS(G+G)* ATS(G+G+M) *

● Air filter	
Fuel system	Canopy
<ul style="list-style-type: none"> ● Baseframe mounted fuel tank ● Oil-water separator ● Automatic fuel filling system 	<ul style="list-style-type: none"> ● Soundproof ● Trailer ● Truck mounted
Exhaust system	Spare parts
<ul style="list-style-type: none"> ● Residential muffler ● Spark extinguisher (instead of the original industrial silencer) ● Catalyst conversion catalyst for high emission requirements 	<ul style="list-style-type: none"> ● Oil filter ● Fuel filter ● Air filter ● Coolant filter ● Fan belt

Power definition

<ul style="list-style-type: none"> ● Prime Power (PRP): <p>According to ISO8528-1, prime power is available for an unlimited number of annual hours in variable load application. The permissible average power output during at 24 hours period shall not exceed 80% of the prime power. 10% overload capability is available for a period of 1 hour within a 12-hour period of operation.</p> <ul style="list-style-type: none"> ● Standby Power (ESP): <p>According to ISO8528-1, standby power is defined as the maximum power applicable for supplying emergency power for the duration of a utility power interruption. It is capable of delivering for up to 500hours of operation per year. No overload capability is available at this rating.</p>

Terms of use

The nominal power assigned by the genset is given for 25 ° C Air Inlet Temperature, of a barometric pressure of 100 kPa (100 m A.S.L), and 30 % relative humidity. For particular conditions in your installation, refer to the derating table.