

 **Perkins**

DIESEL GENERATOR SET

50 Hz

SERVICE		STAND BY	PRIME
Power	kVA	15	16,5
Power	kW	12	13,2
Speed	r.p.m	1500	
Standart Voltage	V	400/231	
Power Factor	Cos Phi	0,8	

Prime Power (PRP)

According to ISO 8528-1:2005, Prime power is the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output (Ppp) over 24 h of operation shall not exceed 70 % of the PRP.

Emergency Standby Power (ESP):

According to ISO 8528-1:2005, Emergency standby power is the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 h of operation per year with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. The permissible average power output over 24 h of operation shall not exceed 70 % of the ESP.

ENGINE

SPECIFICATIONS

Manufacturer		PERKINS
Model		404A-22G1
Cylinder Configuration		IN-LINE
No of Cylinders		4
Displacement		2,216
Bore		84
Stroke		100
Compression Ratio		23,3:1
Aspiration Type		Natural Aspiration
Governor Type		Mechanical
Cooling System		Water
Coolant Capacity	lt	7
Lubrication Oil Capacity	lt	10,6
Electrical System (DC)		12
Speed/ Frequency	rpmz	1500/50
Engine Gross Power	kW	20,6
Fuel Consumption %110 ESP	lt	6,1
Fuel Consumption %100 ESP	lt	5,3
Fuel Consumption %75 ESP	lt	4
Fuel Consumption %50 ESP	lt	2,9
Exhaust Outlet Temperature	°C	505
Exhaust Gas Flow	m3/min	3,94
Combustion Air Flow	m3/min	1,45
Cooling Air Flow	m3/min	35,4

ALTERNATOR

SPECIFICATIONS

Number Of Phases		3
Power Factor		0,8
No of Bearings		Single
No of Poles		4
No of Leads		6-12
Insulation Class		H
Degree of Protection		IP23
Excitation System		AVR

OPTIONAL GENSET CONTROLLERS

Next generation single gen-set controllers for Stand-by and Prime power applications combining multi-functionality and wide communication with EFI engines.

Datakom SMART 200



Datakom D500



Datakom D500-GSM



EMKO Trans-AUTO



DEEPSEA 7320



ComAp AMF25



	Datakom SMART 200	Datakom D500	Datakom D500-GSM	Deepsea 6120	Deepsea 7320	ComAp AMF25	EMKO Trans-AUTO
Automatic Mains Monitoring	✓	✓	✓	✓	✓	✓	✓
Manuel Start	✓	✓	✓	✓	✓	✓	✓
Remote Start	OPTIONAL	OPTIONAL	✓	X	OPTIONAL	OPTIONAL	OPTIONAL
Remote Monitoring With Sim Card	X	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
1 Aditonal Option (Horn, Oil-Fuel Heater Etc.)	✓	✓	✓	✓	✓	✓	✓
Light Warning And Mimic Diagram	✓	✓	✓	✓	✓	✓	✓
Battery Charger	✓	✓	✓	✓	✓	✓	✓
Rs-485 Communication	OPTIONAL	✓	✓	X	✓	OPTIONAL	✓
Ethernet (Tcp-Ip) Communication	X	✓	✓	X	OPTIONAL	OPTIONAL	OPTIONAL

GENSET CONTROLLERS FOR SYNCHRONIZATION SYSTEMS

Next generation synchronizing genset controller capable of every communication and functionality.

Datakom D500 MK2



Datakom D700



DEEPSEA 8610



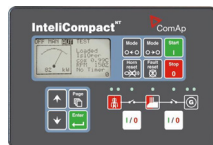
DEEPSEA 8620



DEEPSEA 8660



ComAp IntelliCompact NT SPTM



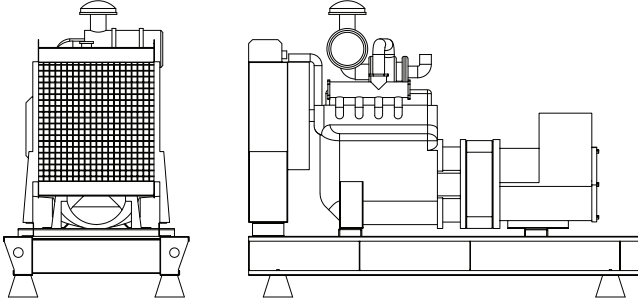
ComAp IntelliGen BaseBox



ComAp IntelliGen 200

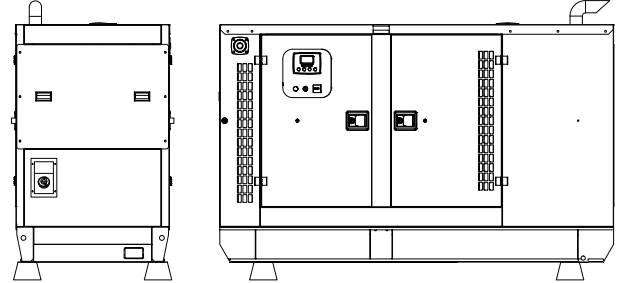


DIMENSIONS



OPEN TYPE

WxLxH	mm	730 x 1389 x 1051
Weight	kg	498
Fuel Tank Capacity	lt	N/A



CANOPIED

WxLxH	mm	730 x 1900 x 1200
Weight	kg	658
Fuel Tank Capacity	lt	N/A

SOUND PROF CANOPIED

- Special design for minimizing acoustic level
- Galvanized steel construction further protected by polyester powder coat paint
- Black finish stainless steel locks and hinges
- Control panel viewing window in a lockable access door
- Emergency stop push button (red) mounted on enclosure exterior
- Lifting, drag and jacking points on base frame
- Radiator fill via removable, flush mounted rain cap fitted with compression seal

OPTIONAL EQUIPMENTS

Some of our Optional Equipments which can be provided with Generator Sets But not limited to;

- Medium voltage alternator
- Remote radiator applications
- External fuel tanks. Automatic and Manuel fuel filling system from external fuel tanks
- Fuel tank heater, oil pan heater, Anti-condensation heater
- Alternator with PMG (Permanent Magnet Generator)
- Synchronization systems
- Double Walled Fuel Tanks
- Container type canopy
- Lube oil and fuel drain pumps
- Trailer
- Remote monitoring options on the control panel