



Technical Data Sheet

EG20PQ

The EG20PQ is a ready to run packaged diesel generator from Enrogen, complete with acoustic enclosure, baseframe fuel tank, control panel, silencer system, batteries, engine oil and coolant antifreeze.

The plant mounted control panel comes complete with a moulded case circuit breaker for protection and a digital controller from DSE as standard. Within the enclosure are suitable anti vibration mountings and a radiator that is vibration isolated from the engine.

All our generators are designed and fabricated in house and utilise components from world leading manufacturers.

RATING INFORMATION		
PHASE, VOLTAGE, FREQUENCY	PRIME	EMERGENCY
3 PHASE, 400v, 50Hz	20KVA, 16KW	22KVA, 17.6KW

ENGINE	
MANUFACTURER	PERKINS
MANUFACTURING COUNTRY	GB
MODEL	404A-22G1



Powered By



Data sheet

Generator: EG20PQ



BASE DATA	
PRIME K V A	20
PRIME KW	16
EMERGENCY K V A	22
EMERGENCY PRIME KW	17.6

DIMENSIONS	
LENGTH	1850MM
WIDTH	874MM
HEIGHT	1170MM
WEIGHT	KGS

ENGINE DATA	
ENGINE MODEL	404A-22G1
R P M	1500
CYLINDERS QTY	4
CYLINDERS IN LINE	YES
CYLINDERS IN VEE	NO
BORE	84
STROKE	100
DISPLACEMENT	2.2
TURBO	NO
CHARGE COOLED	NO
DC VOLTS	12
WEIGHT	242KGS
OIL CAPACITY	10L
OIL CHANGE INTERVAL	500HR
OIL CONSUMPTION	% OF FUEL
COOLANT CAPACITY	7L
COOLING AIR FLOW	M3/MIN
COOLING MAX RESTRICT	PA
EXHAUST MAX RESTRICT	10KPA
HEAT REJ TO COOLANT	17KW
HEAT REJ TO ROOM	3KW
HEAT REJ TO EXHAUST	14KW
EXHAUST TEMP	445°C
EXHAUST FLOW	3.6M3/MIN
COMBUST AIR FLOW	1.4M3/MIN
FUEL CONSUMP50	2.9L/HR
FUEL CONSUMP75	4.0L/HR
FUEL CONSUMP100	5.3L/HR

ALTERNATOR PHYSICAL DATA	
ALT MODEL	TAL40F
STD VOLTS	400
Hz	50
IP RATING	23
AIR FLOW	0.0
AVR MODEL	R120
T H D%	5
INSULATION CLASS	H
KCC SHORT CIRC RATIO	0.00
XD DIR AXIS SYNC	193
XQ QUAD AXIS SYNC	98
T'DO NO LOAD TIME CONSTANT	926
X'D DIR AXIS SYNCRO	15.4
T'D SHORT CIRCLE TRANSIENT	74
X''Q QUAD AXIS SUB TRANSIENT	16.20
XO ZERO SEQ REACTANCE	0.00
X2 NEG SEQ REACTANCE	12.01
TA ARMATURE TIME CONSTANT	11
X''D SUB TRANS REACTANCE	7.00
T''D SUB TRANS TIME CONSTANT	7.00
AMPS	28

Prime Rating

These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.

Standby Rating

These ratings are applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO 8528-3).

Standard Reference Conditions

Standard reference conditions 25°C (77°F) Air Inlet Temp, 100m (328 ft) A.S.L. 30% relative humidity.
Fuel consumption data at full load with diesel fuel with specific gravity of 0.85 and conforming to BS2869: 1998, Class A2.

Features

Buy with confidence

Enrogen offer a range of optional features to allow you to tailor our generator sets to meet your power needs.

Options available include:

- Upgrade to CE Certification
- A wide range of Sound Attenuated Enclosures
- A variety of generator set control and synchronising panels
- Additional alarms and shutdowns
- A selection of exhaust silencer noise levels



Contact us

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