

NAT GAS / LP

FOR COMMERCIAL PURPOSE

MODEL: BNL20SE

20KW



MODEL	BNL20SE
Fuel Type	NG.LPG
Rated Power (LPG)	20kw[25KVA]
Rated Power (NG)	18kw[23KVA]
Rated Volt (V)	127/220V
Rated Current (LPG)	65.6Amps
Rated Current (NG)	62.5Amps
Phase	THREE
Engine/Alternator RPM (rpm)	3600
Power Factor	0.8

ENGINE	
Engine Warranty (Year)	2
Engine Model	465QR
Volume (cc)	98
Compression Ratio	9.5:1
Ignition System	ECM IGNITION
Electric Start	YES
Starting Motor	QDY112 12V 0.8KW
Bore&Stroke (mmxmm)	L4-65.5X74
Aspiration Type	Natural Aspiration
Oil Capacity (L)	4.0



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Rotary Oil Filter	Yes
Charging Method	14V/350W switch power
Recommend Battery Start Current (CCA)	525A
Cooling System	Liquid Cooled
Low Oil Pressure Shutdown	Yes

ALTERNATOR

Type	Synchronous Generator, a rotating magnetic field
Volt. Reg. System	AVR
Brush	Brush
Pole	2
THD @Full Load	≤5%
Insulation	F
Stator Winding Material	COPPER
Rotor Winding Material	COPPER
Connection Method	Direct Coupling

VOLTAGE STEADY

Type	Electron
Sensing	Single
Voltage Adjusting	± 1%

GOVERNOR

Type	Electron
No load to full load frequency regulation	Synchronism
Steady frequency adjustment	± 0.5%

CONTROLLER

Controller Location	Side of Canopy
Manufacturer/Part#	HSC940
Auto/Manual/Shut Down	YES
Alternator Voltage Detection	YES
Mains Voltage Detection	NO
Low Oil Protection	YES
Over Frequency Protection	YES
Low Frequency Protection	YES

ENCLOSURE

Canopy	Powder coating
Warranty (year)	2
Protection Level	IP 23



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Emergency Stop Switch	YES
Fuel Solenoid Valve	Dual Solenoid Valve
Enclosed Muffler	YES
Sound Insulation	Double metal plate*Soundproof cotton
Noise At Normal Speed, 23ft /(7M) dB(A)	69
NG Consumption 100%Load ft3/hr	265
LPGConsumption 100%Load ft3/hr	145
NG Pressure Range kPa	1.3-2.7
LPG Pressure Range kPa	1.7-2.7
Nuit Dimension (LxWxH)	54 in.x32 in.x38 in
Packing Dimension (LxWxH)	58 inx35 in.x43 in.
Net Weight (Lbs)	772Lbs
Gross Weight (Lbs)	849Lbs
20/40 GP Container	20/40/40
Oil Heater and Battery Heater	OPTIONAL
Water Heater	OPTIONAL
ATS	200Amps



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