

NAT GAS / LP

FOR COMMERCIAL PURPOSE

MODEL: BNL25SE

25KW



MODEL	BNL25SE
Fuel Type	NG.LPG
Rated Power (LPG)	25KW[31.0KVA]
Rated Power (NG)	24KW[30.0KVA]
Rated Frequency (HZ)	60
Phase	SINGLE THREE
Power Factor	1.0 [0.8]
Controller	SMARTGEN HSC940
ENGINE	
Engine Make	LIFAN
Engine Model	470Q1
Displacement (cc)	1216
Compression Ratio	9.8:1
Ignition System	ECM IGNITION
Starting Motor	QDY112 12V/0.8KWv
Bore&Stroke (mm*mm)	L4-70×79
Aspiration Type	Natural
Oil Capacity (L)	3.5
Rotary Oil Filter	YES
Charging Power	14V/70A
Starting Battery	12V45AH (550CCA)
Cooling System	LIQUID COOLED
Low Oil Pressure Shutdown	YES



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ALTERNATOR

Type	Synchronous
Pole	2-POLE
Excitation	Self-Excited
Stator Winding Material	100% COPPER
Rotor Winding Material	100% COPPER
Voltage Regulation	AVR
Voltage Steady Type	Electronic
Voltage Adjusting	± 1%
Brush Or Brushless	Brush
Thd @Full Load	≤ 5%
Insulation	F
Connection Method	Direct Coupling
Governor	Electronic
Frequency Regulation	Synchronised
Steady Frequency Adjusting	± 0.5%

FUEL CONSUMPTION @100% LOAD

NG (m3/hr)	7.6
LPG (L/hr)	12.8

GAS INLET PRESSURE

NG Pressure Range kPa	1.3-3.5
LPG Pressure Range KPa	1.7-3.5

DIMENSIONS & WEIGHT

Unit Dimension (LxWxH) mm	1290x825x940
Package Dimension (LxWxH) mm	1350x880x1100
Net Weight (kg)	420
Gross Weight	460
20/40GP/40HQ Container (pcs)	20/40/40

ENCLOSURE

Canopy Type	Powder Coating
Protection Level	IP 23
Emergency Stop Button	YES
Fuel Solenoid	Dual Solenoid
Enclosed Muffler	YES
Wheel	YES
Sound Insulation Materials	Noiseproof Cotton
Noise Leve @ 7M dB(A)	55



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SPECIFICATIONS

Model		MCQ2										
Rated Voltage		AC400V/690V DC125V/250V										
Rated Current		20A-63A		80A 100A 125A		160A 200A 225A 250A						
Coil Quantity		Double Coils										
Wiring Method		Front										
Pole		2P	3P	4P	2P	3P	4P	2P	3P	4P		
Weight (kg)		4.5	5	5.5	5	5.5	6	6	8	10		
Operating Current	DC100V (A)	3	3	4	3	3	4	3	4	5		
	AC100V/110V (A)	3	3	4	3	3	4	3	4	5		
	AC200V/220V (A)	1.5	1.5	2	1.5	1.5	2	1.5	2	2.5		
Tripping Current	DC100V	1A										
	AC100V/110V	1A										
	AC200V/220V	0.5A										
Performance	Short-time Withstand Current		5KA					10KA				
	Rated Conditional Short-circuit Current		12.5KA					25KA				
	Connecting and Breaking Capability		AC:33B(10le Connect 8le Break) cos=0.35 DC:33B 1.1LE Break L/R=1ms									
	Switching Time	A power side	Control		55ms							
			Break		20ms							
		B power side	Control		80ms							
			Break		20ms							
	Life		Electrical: 2500 operations, Mechanical: 10000 operations									
Operating Recycles		120 operations/hour										
Auxiliary Switch		A power side 1C, Switch Capacity AC100V 5A AC200V 2.5A DC100V 0.5A										
Accessories		Manual Operation Handle										



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