

MODEL: BNL35SE

NAT GAS / LP

FOR COMMERCIAL PURPOSE

35KW



MODEL	BNL35SE
Fuel Type	NG.LPG
Rated Power (LPG)	35KW[44.0KVA]
Rated Power (NG)	33KW[42.0KVA]
Rated Frequency (HZ)	60
Phase	SINGLE THREE
Power Factor	1.0 [0.8]
Controller	SMARTGEN HSC940
ENGINE	
Engine Make	LIFAN
Engine Model	LF491
Displacement (cc)	2237
Compression Ratio	9.8:1
Speed (RPM)	3600
Ignition System	ECM IGNITION
Electric Start	YES
Starting Motor	QDY1205 12V/1.2KW
Bore&Stroke (mm*mm)	L4-91×77
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	4-POLE
Excitation	Self-Excited
Stator Winding Material	100% COPPER
Rotator Winding Material	100% COPPER
Voltage Regulation	AVR
Voltage Steady Type	Electronic
Voltage Adjusting	± 1%
Brush Or Brushless	Brushless
Thd @Full Load	≤ 5%
Insulation	H
Connection Method	Direct Coupling
Governor	Electronic
Frequency Regulation	Synchronised
Steady Frequency Adjusting	± 0.5%

FUEL CONSUMPTION @100% LOAD

NG (m3/hr)	10
LPG (L/hr)	16.7

GAS INLET PRESSURE

NG Pressure Range kPa	1.3-2.7
LPG Pressure Range KPa	1.7-2.7

DIMENSIONS & WEIGHT

Unit Dimension (LxWxH) mm	1560x890x970
Package Dimension (LxWxH) mm	1640x970x1100
Net Weight (kg)	525
Gross Weight	550
20/40GP/40HQ Container (pcs)	12/28/28

ENCLOSURE

Canopy Type	Powder Coating
Protection Level	IP 23
Emergency Stop Button	YES
Fuel Solenoid	Dual Solenoid
Enclosed Muffler	YES
Wheel	Optional
Sound Insulation Materials	Noiseproof Cotton
Noise Leve @ 7M dB(A)	65



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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										

