

NAT GAS / LP

FOR COMMERCIAL PURPOSE

35KW



MODEL	EBK45 - G
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

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 operatios, 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									

