

NAT GAS / LP

FOR COMMERCIAL PURPOSE

25KW



| MODEL | EBK30 - G |
|---------------------------|-------------------|
| 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 |

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 |



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 | | | | | | | | | | |

