



Powered by
ISUZU
4LE1
2.2 Liter
Naturally Aspirated

Electrical Output 20kW/25kVa

Voltage	Amperes	Cycles	Phase	kW	kVa	pf
120/240	70*	60	1	20	20	1.0
120/208	69	60	3	20	25	0.8
120/240	60	60	3	20	25	0.8
277/480	30	60	3	20	25	0.8

* Available amperage at terminal block connection - additional amperage available at receptacle panel for single phase output.

STANDARD FEATURES

- **ISUZU 2.2 Liter 1800 RPM Engine**
 - Meets EPA / CARB Tier 4 Emissions
 - Mechanical Governor
 - Fuel/Water Separator
 - Oil Drain Extension with Valve
- **BASLER DGC-2020 Digital Controller with Automatic Safety Shutdowns and Digital Readouts for Low Oil Pressure, High Water Temp, Engine Overcrank and Engine Overspeed, Low Fuel Level Shutdown, Battery Disconnect Switch**
- **Brushless Alternator / Class H Insulation**
 - Standby Output: 20kW (25kVA)
 - Prime Output: 18kW (22.5kVA)
 - Motor Starting Capability: 7.5 h.p. Code G
 - Voltage Regulation: 1.5% / < 5% Total Harmonic Distortion
- **SWITCHABLE 4-Position Voltage Selector Switch with Automatic Safety Shutdown and Safety Lock Out**
 - AC Voltages - 3 Phase: 208, 220, 240, 416, 440, 460, 480V
 - AC Voltages - 1 Phase: 120, 139, 208, 220, 240V
 - Amps:
 - Single Phase 240V: 70A (at terminal block)
 - Three Phase 208V: 69A
 - Three Phase 240V: 60A
 - Three Phase 480V: 30A
- **Illuminated Instrumentation Panel and Connection Box**
- **Receptacle Package:**
 - 2-50amp 120/240V Twistlock Receptacles
 - 2-20amp 120V GFCI Duplex Receptacles
 - 1-Terminal Block for Full Connection with Safety Shut Off
- **Shore Power Inlet for Easy Connection to Block Heater and Battery Charger**
- **Pre-wired for Remote Emergency Stop (Optional Button Available)**
- **Two Wire Remote Start Capability**
- **Selectable High or Low Voltage Mainline Circuit Breakers for Main Power Connection**
- **Circuit Breakers for Single Phase Receptacles**
- **14-gauge Galvanneal Steel Sound Attenuated Enclosure with Critical Muffler**
- **Sound Level: 65.9 dB(A) @ 7 Meters, Full Load**
- **Durable Powder Coat Paint Finish / Stainless Steel Fasteners**
- **Large Lockable Doors for Maintenance Access**
- **Single Point Lifting Eye**
- **Full Fluid Containment System with Drains**
- **Lockable Fuel Access Door**
- **Six Bolts to Remove Generator Assembly from Trailer**
- **DOT Approved Trailer & Tank, 3,500 lb. Capacity, Electric Brakes with Break-Away Kit, Single Axle, Torsion Bar Suspension, Front Leveling Jack, Rear Stabilization Jacks, Running Lights, Lighted License Plate Bracket**
- **45-gallon, 7-gauge Steel Fuel Tank**
- **Fuel Consumption:**
 - Full Load.....1.8 gal/hr
 - 75% Load.....1.4 gal/hr
 - 50% Load.....9 gal/hr
- **Run Time:**
 - Full Load.....25 hours
 - 75% Load.....32 hours
 - 50% Load.....50 hours
- **Removable and Adjustable Hitch**
- **3" Pintle Hitch and 2 5/16" Ball Hitch both come Standard**
- **Large Front Lockable Storage Compartment**
- **Dimensions: Generator with Trailer - 135" x 58" x 73"**
- **Weight: Generator with Dry Fuel Tank and Trailer - 2820 lbs**
- **Warranty: Complete Unit - 1 Year; Engine - 2 Year Limited**

EXPERIENCED DESIGN

- OVER 80 YEARS EXPERIENCE IN THE GENERATOR INDUSTRY
- DESIGNED FOR LONG LIFE TO MAXIMIZE RETURN ON INVESTMENT
- REACTIVE LOAD BANK TESTED / SINGLE STEP 100% LOAD TESTED
- "ORIGINATOR" OF THE MOBILE DIESEL GENERATOR



ENGINE SPECIFICATIONS

- EPA CARB TIER 4 COMPLIANT
- COMPLETE SERVICE NETWORK
- EFFICIENT LOW FUEL CONSUMPTION DESIGN

MAKE.....	ISUZU
MODEL.....	4LE1
TYPE.....	DIESEL
DIRECT INJECTION.....	MECHANICAL
SPEED GOVERNOR.....	MECHANICAL
CYLINDERS.....	4
TOTAL DISPLACEMENT.....	2.2L
BORE X STROKE.....	mm 85 X 95
COMPRESSION.....	2.5:1
ASPIRATION/COOLING.....	NATURAL/LIQUID
RADIATOR CAPACITY.....	2 GAL
TOTAL COOLING CAPACITY.....	2.75 GAL
HOUSING.....	SAE 4
FLYWHEEL (TEETH 125).....	10 in.
ROTATION.....	CCW
LUBE OIL SPEC.....	SAE TYPE, API CF-CH4
LUBE OIL CONSUMPTION.....	< 0.1% OF FUEL
OIL & FILTER REPLACEMENT.....	500 HRS
TOTAL OIL CAPACITY.....	8.69L
EXHAUST OUTLET SIZE @ MUFFLER.....	1.5"
ELECTRICAL SYSTEM (NEGATIVE GROUND).....	12 VDC
ALTERNATOR (BOSCH).....	35 AMPS
STARTER.....	DENSO
BATTERY (NOT INCLUDED BCI 24).....	650 CCA

GENSET CONTROL

- BASLER DGC-2020 DIGITAL CONTROLLER
- GENERATOR PROTECTION AND METERING
- EVENT FAULT LOG RECORDING
- DEDICATED RELAYS FOR FUEL SOLENOIDS, GLOW PLUGS AND STARTER SOLENOID
- AUTOMATIC SAFETY SHUTDOWN
- DIGITAL READOUTS FOR LOW OIL PRESSURE, HIGH WATER TEMP, ENGINE OVERCRANK AND ENGINE OVERSPEED
- LOW FUEL LEVEL SHUTDOWN

GENERATOR SPECIFICATIONS

- BRUSHLESS ROTATING FIELD FOR LONG LIFE AND LOW MAINTENANCE
 - MEETS BS EN 60034, BS5000, VDE 0530
 - NEMA MG1-32, ICE34, CSA C22.2-100, AS1359
 - INCLUDES: HIGH EFFICIENCY SEMICONDUCTORS, RECTIFIER SURGE PROTECTION
 - STANDARD OUTPUT: 20kW, 25kVA
 - PRIME OUTPUT: 18kW, 22.5kVA
 - AMPS: 1-PHASE 240V - 70A at terminal block, 83 amps total, including receptacle panel
 - 3-PHASE 208V - 69A
 - 3-PHASE 240V - 60A
 - 3-PHASE 480V - 30A
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|----------------------------------|-------------------------------|
| RATING..... | (125/40°C) STANDBY |
| TYPE..... | 4 POLE – REVOLVING FIELD |
| SPEED/FREQUENCY..... | 1800 RPM/60HZ |
| INSULATION SYSTEM..... | CLASS H |
| STATOR WINDINGS..... | DOUBLE LAYER CONCENTRIC |
| PITCH..... | 2/3 |
| WAVEFORM DISTORTION..... | 1.5% |
| TELEPHONE INTERFERENCE..... | <2.0% |
| EFFICIENCY PEAK..... | ~92.5% |
| COUPLING..... | FLEXIBLE DISC |
| BEARINGS (MAINTENANCE FREE)..... | 1 |
| CONTROL..... | (AS480 STANDARD) SELF EXCITED |
| REGULATION..... | +/- 1.0% |
| SINGLE PHASE RATING..... | 1.0pf |
| THREE PHASE RATING..... | 0.8pf |