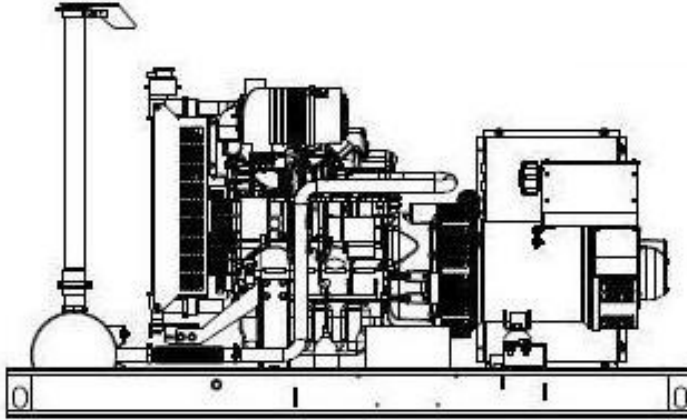


DR30I4

LIQUID COOLED DIESEL GENERATOR SET

WINPOWER

Est. 1925



Standby Rating
30kW 60Hz

Powered by ...
ISUZU
4LE1
2.2 Liter
Turbocharged

EXPERIENCED DESIGN

- EXPERIENCE IN THE GENERATOR INDUSTRY SINCE 1925
- DESIGNED FOR LONG LIFE TO MAXIMIZE RETURN ON INVESTMENT
- WELDED AND POWDER COATED STEEL BASE
- RUBBER MOUNTED ENGINE AND GENERATOR: NO NEED FOR ISOLATION PADS AND EXTENDS THE LIFE OF BATTERIES AND HOUSING
- ELECTRICIAN FRIENDLY SINGLE COVER CONNECTION POINTS
- LOAD BANK TESTED
- SINGLE STEP 100% LOAD TESTED
- OPERATOR MANUAL PACKAGE INCLUDING ENGINE AND GENERATOR MANUAL
- STARTING BATTERY NOT INCLUDED (BCI 24 650 CCA)

ENGINE

- INDUSTRY LEADER OF DIESEL ENGINES WORLDWIDE
- EPA COMPLIANT, INTERIM TIER 4
- COMPLETE SERVICE NETWORK
- EFFICIENT LOW FUEL CONSUMPTION DESIGN
- FILLED COOLING SYSTEM WITH 50/50 ANTIFREEZE
- CIRCULATING BLOCK HEATER

DSE 7310 CONTROLLER

- GENERATOR PROTECTION AND METERING
- EVENT FAULT LOG RECORDING
- 7 CONFIGURABLE INPUTS
- 8 CONFIGURABLE OUTPUTS
- GLOW PLUGS AND STARTER SOLENOID CONTROLS.
- OPTIONAL DSE 3110 AND DSE 7110 CONTROLLERS PROVIDE FLEXIBILITY FOR ANY APPLICATION

GENERATOR

- STANDBY RATED
- BRUSHLESS ROTATING FIELD
- WOUND 2/3 PITCH FOR LOW HARMONIC DISTORTION
- CLASS H WINDING INSULATION FOR PEAK PROTECTION
- MEETS BS EN 60034, BS5000, VDE 0530, NEMA MG1-32, ICE34, CSA C22.2-100, AS1359
- AS480 AUTOMATIC VOLTAGE REGULATION STANDARD STEADY STATE VOLTAGE +/- 1%
- OPTIONAL EXCITATION BOOST SYSTEM (EBS) SENSES DROPS IN VOLTAGE FROM LARGE IMPACT LIKE MOTOR STARTING. THE EBS ENGAGES THE EXCITATION BOOST GENERATOR FEEDING ADDITIONAL POWER TO THE GENERATORS EXCITATION SYSTEM SUPPORTING THE LOAD

APPLICATION & ENGINEERING DATA



ENGINE SPECIFICATIONS

MAKE	ISUZU
MODEL	4LE1
TYPE	DIESEL
GROSS HORSEPOWER-STANDBY	47 HP
INDIRECT INJECTION	MECHANICAL
SPEED GOVERNOR	MECHANICAL
CYLINDERS	4
TOTAL DISPLACEMENT	2.2L
BORE X STROKE	in 3.35 X 3.78
ASPIRATION	TURBOCHARGED
ENGINE COOLANT CAPACITY	2.8L
TOTAL COOLING CAPACITY	10.3L
FLYWHEEL (TEETH 108)	10 inches
ROTATION	CCW
LUBE OIL SPECIFICATION	API CF-CH4, ACEA E3-E5
OIL & FILTER REPLACEMENT	250 HRS
LUBE OIL CAPACITY	10.3L
FUEL SPEC	D975 No 2 D
EXHAUST OUTLET SIZE @ MUFFLER	2.5 inches
ELECTRICAL SYSTEM (NEGATIVE GROUND)	12 VDC
ALTERNATOR	35 AMPS
BATTERY (NOT INCLUDED BCI 24)	650 CCA

ALTERNATOR SPECIFICATIONS

RATING	(125/40°C) STANDBY
TYPE	4 POLE – REVOLVING FIELD
SPEED	1800 rpm
INSULATION SYSTEM	CLASS H
SINGLE PHASE	4 LEAD
THREE PHASE	12 LEAD
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
VOLTAGE CONTROL	(AS480 STANDARD) SELF EXCITED
REGULATION	+/- 1.0%
SINGLE PHASE RATING	1.0pf
THREE PHASE RATING	0.8pf

Excitation Boost System Generator Available

If the information that you require is not shown, please contact your dealer.

GENERATOR CONTROLLER

General

Deep Sea digital genset controllers are highly advanced microprocessor controllers. Each model is designed to stand up to the harshest conditions providing timely performance information and safety shutdowns. With so many options it is easy to find a controller flexible enough to meet your application. Some options may require activation through the free interface software or additional accessories. The DSE 7310 is standard.

Feature	DSE 3110	DSE 7110	DSE7310
Engine Display/Protection			
Engine RPM	X	X	X
Low Oil Pressure	Shutdown Only	X	X
High Coolant Temperature	Shutdown Only	X	X
Low Coolant Level	Optional	Optional	Optional
Overspeed	X	X	X
Underspeed	X	X	X
Overcrank	X	X	X
Charging Alternator Failure	Optional	X	X
CAN ECU Shutdown	X	X	X
Genset Display/Protection			
Voltage (L-N)	One L-N or L-L	X	X
Voltage (L-L)	One L-N or L-L	X	X
Overvoltage	X	X	X
Undervoltage	X	X	X
Frequency	X	X	X
Overfrequency	X	X	X
Underfrequency	X	X	X
Phase Imbalance	-	-	Disabled
Amp Display/Shutdown	-	X	X
kW, kVa, kVAr, pf Display	-	-	X
kWh, kVAh, kVArh Display	-	-	X
Generator Phase Sequence	-	-	X
Earth Current	-	-	Optional
Additional Displays/Protections			
Emergency Stop	X	X	X
Fuel Leak/Sender Failure	Optional	X	X
High Fuel Level	-	Optional	Optional
Low Fuel Level	Optional	X	X
Fuel Level	-	X	X
Battery Voltage	-	X	X
Battery Over/Under Voltage	-	X	X
Battery Charger Failure	-	Optional	Optional
Communications			
USB Connectable	X	X	X
RS232/RS485	-	-	X
NFPA Annunciator	-	-	10xDSE2548
Remote Display Panel	-	-	3xDSE2510
Ethernet/Modem	-	-	Optional
Additional Features			
Audible Alarm	-	-	X
Engine Exerciser	-	X	X
Maintenance Interval Timer	-	1 Event	3 Event
Load Shedding/Dummy	-	-	5 Step
Configurable Inputs	6	7	9-24w/DSE2130
Configurable Outputs	4	8	6-80w/DSE2751
Event Log	-	5	250
Alternative Configurations	1	1	3
UL/CSA Listed	X	X	X

Electrical Output 30kW Standby				
Output Voltage – 60Hz	kW	kVa	Amperes	CB Size
120/240, 1-phase, 1.0 pf	30	30	125	125
120/208, 3-phase, 0.8 pf	30	37	104	100
120/240, 3-phase, 0.8 pf	30	37	90	90
277/480, 3-phase, 0.8 pf	30	37	45	45

Consult factory for switchable voltage & 50 Hz

Fuel Consumption

100% Load	3.13 Gallons/Hr
75% Load	2.35 Gallons/Hr
50% Load	1.56 Gallons/Hr

Winpower offers three UL142 double wall fuel tank options and a single wall composite fuel tank for this model. Double wall tanks include removable stub-up end plate as well as leak detection and digital fuel level indication.

NFPA 110 Level 1 Package Option

This option provides a higher state of readiness in accordance with NFPA 110. Option includes a dual rate battery maintenance charger with failure indication, 16-light remote annunciator, low coolant level indication, block heater upgrade that maintains 100°-120°F and enhanced genset controller pre-alarm settings.

Derating Factors

Temperatures > 104°F	3% per 10°F
Altitude	3% per 1000 ft
Prime Power	10%

Engine Block Heater Specifications

- Volts – 120
- Watts – 1000
- Thermostat On/Off - 100°/120°F

Limited Warranty

Winpower warrants its product from material defects for a period of one year or 1000 hours. Isuzu warrants the engine for standby generator applications for 36 months or 3000 hours with 60 months or 5000 hours on major components.

OPTIONS AND ACCESSORIES

Optional Fuel Accessories

- 55 gal UL142 Tank
- 110 gal UL142 Tank
- 155 gal UL142 Tank
- DOT Trailer w/Integrated Tank

Battery Chargers

- 2 amp (Standard)
- 3.5 amp
- 6 amp
- 6 amp w/Fail Contact
- 10 amp
- 10 amp w/Fail Contact

Enclosure Options

- POWR-PAK (Open skid, no enclosure)
- SOUND-PAK

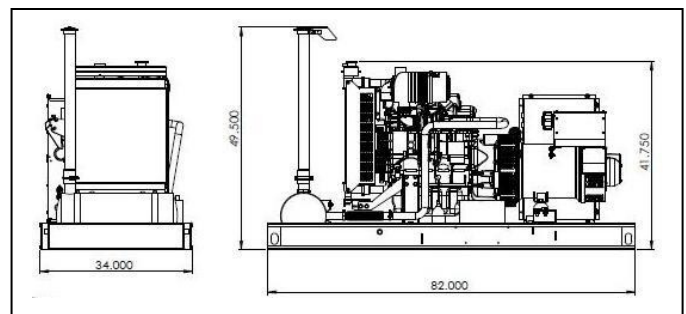
Controller Options

- DSE 3110
- DSE 7110
- DSE 7310 (Standard)
- NFPA 110 Level 1
- 16 Light Remote Annunciator
- Remote Display Panel (DSE 2510)
- Ethernet
- DSE 2130 Input Expansion
- DSE 2751 Output Expansion

Generator Accessories

- Anti-condensation Heater
- Excitation Boost System
- Oversized Generator
- 12 Lead (Double Delta) Single Phase

Distributed by



****SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE****