

WINCO[®] GENERATORS



An American Company

We produce our products in our 200,000ft² facility located in Le Center, Minnesota, equipped with modern engineering, fabrication and assembly capabilities.



2.2L Engine

An eco-friendly engine that provides the reliability and dependability you expect from Isuzu

Stamford Industrial Genend

With automatic voltage regulation

Electronic Common Rail

Excellent frequency control and load pick-up

Radiator Ducting

Makes your installation easier and helps reduce air recirculation

Fork Pockets

Convenient fork pockets integrated into the unit, giving you the ability to lift from all directions

Key Start

The key start assembly can easily be rotated to three sides of the unit. Allowing the unit to be installed in a convenient position according to your specs.

DE2314

GENERATION 4
23,000 WATTS

Rugged Design

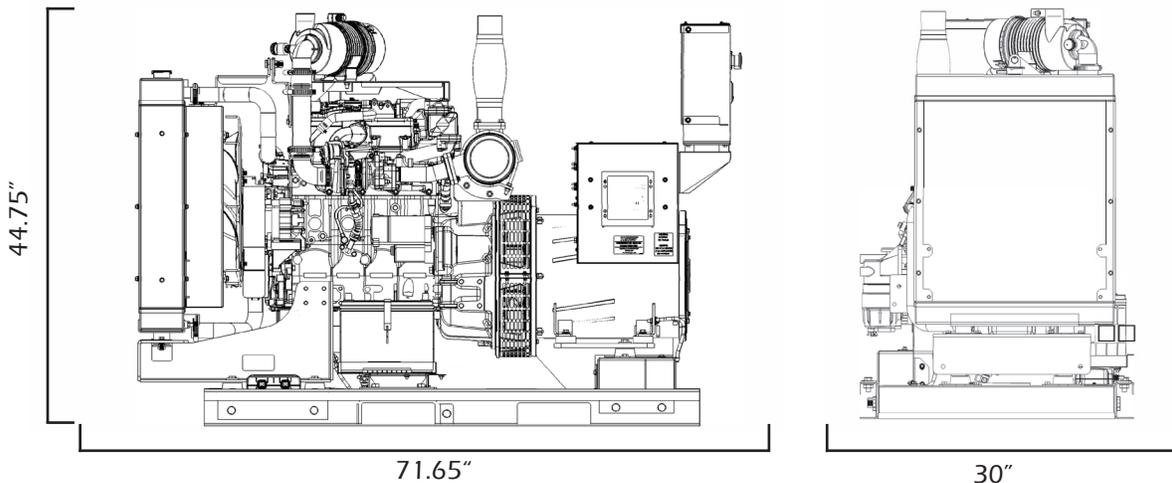


New Isuzu Tier IV Engine

With DOC

✓ NO Urea

✓ NO Shutdowns for regens



SPECIFICATIONS

ELECTRICAL

VOLTS	POWER FACTOR	STANDBY			PRIME			RECOMMENDED CB ⁽¹⁾
		WATTS	KVA	AMPS	WATTS	KVA	AMPS	
120/240 1-PH	1.0	22,000	22	91	19,800	19.8	82	90-100
120/208 3-PH	0.8	23,000	28.75	79	20,700	25.875	71	80-100
120/240 3-PH	0.8	23,000	28.75	69	20,700	25.875	62	70-80
277/480 3-PH	0.8	23,000	28.75	34	20,700	25.875	31	35-45
346/600 3-PH	0.8	23,000	28.75	27	20,700	25.875	25	25-30

NOTES: (1) Recommended breaker sizes are 100 to 125% of generator output.

ENGINE

ENGINE BRAND	ISUZU
ENGINE MODEL	4LE2T
TIER	IV FINAL
ENGINE STARTER	12V ELECTRIC
ENGINE SPEED	1800 RPM
ENGINE CYLINDERS	4
ENGINE HP	40
FREQUENCY	60 HZ
ALTERNATOR	35 AMPS 12V
FLYWHEEL	10"
ROTATION	CCW
ASPIRATION	TURBOCHARGED
COOLANT	4 QT
BORE/STROKE	85 mm x 96 mm
DISPLACEMENT	2.2L
RECOMMENDED OIL ⁽²⁾	5W-40 SAE
OIL CAPACITY	11 QT
INJECTION PUMP	BOSCH CP4.1
GOVERNOR	ELECTRONIC
COMPRESSION RATIO	17.6:1
FAN TYPE	PUSHER
INTAKE AIR CONSUMPTION	75.7 CFM
RADIATOR COOLING AIR	--
EXHAUST FLOW	189.3 CFM
EXHAUST OUTLET SIZE	3"
STARTING AIDES	GLOW PLUGS
STARTING TEMP NATURAL W/ AIDES	5° F
STARTING TEMP W/BLOCK HEATER ⁽³⁾	-13° F

NOTES: (1) Steady state frequency regulation. (2) The recommended oil is for normal applications. See operator's manual for the recommended oil for your needs. (3) Block heater not included

DE23

MOTOR STARTING (CODE G)	7 HP
DBA @ 7 METERS	--
TOTAL HARMONIC DISTORTION	< 5%
MAIN CIRCUIT BREAKER	CUSTOMER SUPPLIED
BONDED NEUTRAL	YES
FORK LIFT POCKETS	STANDARD
ASSEMBLED IN	USA
EPA APPROVED	TIER IV FINAL
CARB APPROVED	TIER IV FINAL
TÜV CERTIFICATION ⁽¹⁾	UL22000 CSA
UNIT WARRANTY ⁽²⁾	1 YEAR/2000 HRS

NOTES: (1) Units without composite fuel tanks conform to UL2200.

(2) For more generator warranty, see operator's manual.

GENERATOR END

WINDING	12 LEAD
WINDING NUMBER	711
VOLTAGE REGULATION	AVR +/- 1%
AVR TYPE	AS540
TEMPERATURE RISE	125/40° C
TYPE	REVOLVING FIELD
BRUSHLESS	YES
SPEED	1800 RPM
ROTOR	2/3 PITCH
WINDINGS	100% COPPER
STATOR WINDING	DOUBLE LAYER CONCENTRIC
COUPLING	DIRECT/FLEXIBLE DISC
BEARINGS	SINGLE (MAINTENANCE FREE)
EFFICIENCY PEAK	89.2
INSULATION	CLASS H
INGRESS PROTECTION	IP23



SPECIFICATIONS

DERATES

ABOVE SEA LEVEL	
6,561 FT	10%
9,842 FT	20%
AMBIENT TEMPERATURE	
>104°F	3% PER 10°F

FUEL

TYPE	ASTM D975 NO-2D DIESEL
OPTIONAL FUEL TANK ⁽¹⁾	47 GAL
CONTAINMENT	110%
TANK DIMENSIONS	70.5" x 30" x 18"
FULL LOAD RUN TIME ⁽²⁾	22 HOURS
FUEL CONSUMPTION	GAL/HR
100%	2.10
75%	1.68
50%	1.26
25%	0.84

NOTES: (1) 47 gallon composite fuel tanks do not conform to UL2200.

(2) Run time is estimated using the optional 54 gallon fuel tank.

SHIPPING

SHIPPING DIMENSIONS (L x W x H)	84" x 37" x 65"
SHIP WEIGHT	
WITHOUT TANK	1,652 LBS
FREIGHT CLASS	70

ROCKER MANUAL START

ENGINE

LOW OIL PRESSURE	SHUTDOWN
HIGH COOLANT TEMP	SHUTDOWN
OVER CRANK	SHUTDOWN
CAN ECU	DISPLAY/SHUTDOWN

GENSET

VOLTAGE (L-L)	DISPLAY
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OPTIONAL ACCESSORIES

BATTERY
BLOCK HEATER
TRICKLE BATTERY CHARGER
DSE7310 MKII CONTROLLER
MIMIC PANEL
REMOTE MONITORING
SOLAR BATTERY CHARGER

OPTIONAL DSE 7310 CONTROLLER

ENGINE DISPLAY/PROTECTION

ENGINE RPM	YES
LOW OIL PRESSURE	YES
HIGH COOLANT TEMP	YES
LOW COOLANT	YES
OVER/UNDER SPEED	YES
OVER CRANK	YES
CAN ECU SHUTDOWN	YES
ENGINE MAINTENANCE CODES	YES

GENSET DISPLAY/PROTECTION

VOLTAGE (L-N & L-L)	YES
OVER/UNDER VOLTAGE	YES
FREQUENCY	YES
OVER/UNDER FREQUENCY	YES
AMP DISPLAY/SHUTDOWN	YES
PHASE IMBALANCE	DISABLED
KW, KVA, KVARH DISPLAY	YES
KWH, KVAH, KVARH DISPLAY	YES
GENERATOR PHASE SEQUENCE	OPTIONAL

ADDITIONAL DISPLAYS/PROTECTIONS

EXTERNAL E-STOP	CUSTOMER SUPPLIED
BATTERY VOLTAGE	YES
BATTERY OVER/UNDER VOLTAGE	YES

COMMUNICATIONS

USB CONNECTABLE	YES
RS232/RS485	YES
REMOTE DISPLAY PANEL	OPTIONAL
DSE WEB NET	OPTIONAL

ADDITIONAL FEATURES

AUDIBLE ALARM	YES
ENGINE EXERCISER	DISABLED
MAINTENANCE INTERVAL TIMER	DISABLED
LOAD SHEDDING/DUMMY	DISABLED
CONFIGURABLE INPUTS	4 (EXPANDABLE)
CONFIGURABLE OUTPUTS	4 (EXPANDABLE)
EVENT LOG	250

Specifications are subject to change without notice.

