

# WINCO<sup>®</sup> GENERATORS



## An American Company

We produce our products in our 200,000ft<sup>2</sup> 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.

# DE4014

GENERATION 4  
36,000 WATTS

## Rugged Design

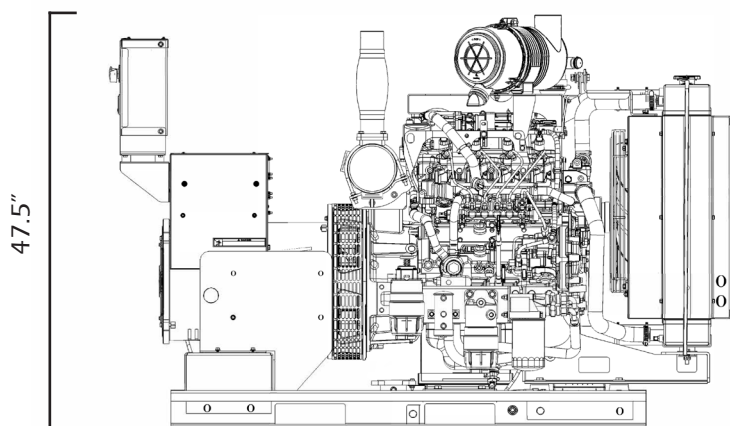


## New Isuzu Tier IV Engine

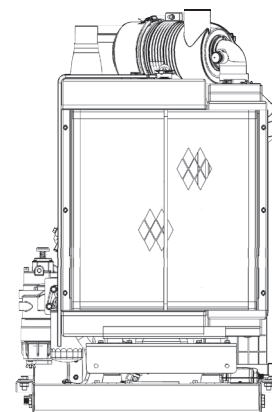
With DOC

✓ NO Urea

✓ NO Shutdowns for regens



71.5"



30"

Tank adds 18" to the height



# SPECIFICATIONS

## ELECTRICAL

VOLTS	POWER FACTOR	STANDBY			PRIME			RECOMMENDED CB <sup>(1)</sup>
		WATTS	KVA	AMPS	WATTS	KVA	AMPS	
120/240 1-PH	1.0	36,000	36	150	32,400	32.4	135	150-175
120/208 3-PH	0.8	39,000	48.75	135	35,100	43.8	122	125-150
120/240 3-PH	0.8	39,000	48.75	117	35,100	43.8	105	125-150
277/480 3-PH	0.8	39,000	48.75	58	35,100	43.8	52	50-75
346/600 3-PH	0.8	39,000	48.75	47	35,100	43.8	42	50

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

## ENGINE

ENGINE BRAND	ISUZU
ENGINE MODEL	4LE2X
TIER	IV FINAL
ENGINE STARTER	12V ELECTRIC
ENGINE SPEED	1800 RPM
ENGINE CYLINDERS	4
ENGINE HP	66
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 <sup>(2)</sup>	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	104.9 CFM
RADIATOR COOLING AIR	2700 CFM
EXHAUST FLOW	281.9 CFM
EXHAUST OUTLET SIZE	3"
STARTING AIDES	GLOW PLUGS
STARTING TEMP NATURAL W/ AIDES	-13° F
STARTING TEMP W/BLOCK HEATER <sup>(3)</sup>	-20° 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.

## DE40

MOTOR STARTING (CODE G)	12.5 HP
DBA @ 7 METERS	82.3
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 <sup>(1)</sup>	UL2200 CSA
UNIT WARRANTY <sup>(2)</sup>	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	90.5
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 <sup>(1)</sup>	47 GAL
TANK DIMENSIONS	70.5" x 30" x 18"
FULL LOAD RUN TIME <sup>(2)</sup>	15 HOURS
FUEL CONSUMPTION	GAL/HR
100%	3.01
75%	2.33
50%	1.65
25%	0.98

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)	87" x 37" x 65"
SHIP WEIGHT	
WITHOUT TANK	1,835 LBS
WITH TANK	2,050 LBS
FREIGHT CLASS	70

## 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

## 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

### 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.

