

# 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.



## 3.32L Engine

Big power from a small package offers Tier 4 compliance with superior exhaust emissions by improving the combustion chamber and increasing the displacement and compression ratios.

## Stamford Industrial Genend

With automatic voltage regulation

## Fork Pockets

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

## DSE7310 Controller

Digital controller allows for remote start, engine code reader, with advanced metering, safeties and shutdowns to protect your investment.

# DE39Y4

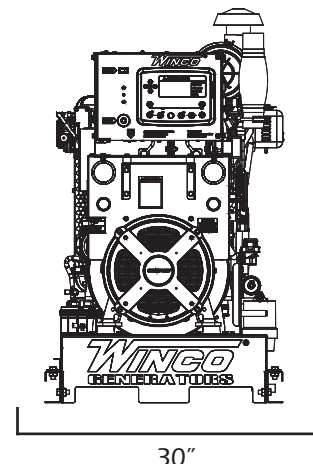
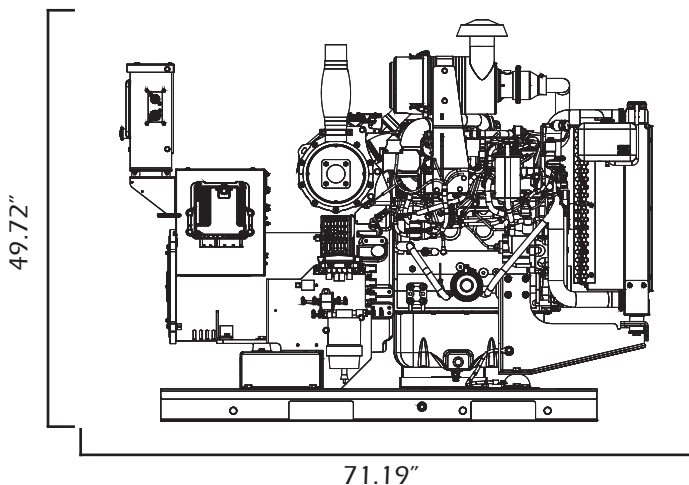
GENERATION 4  
36,000 WATTS

## Rugged Design



## Yanmar Tier IV Engine

An engine more than capable of handling the most demanding applications.



Tank adds 15" to the height



# SPECIFICATIONS

## ELECTRICAL

VOLTS	POWER FACTOR	STANDBY			PRIME			RECOMMENDED CB <sup>(2)</sup>
		WATTS	KVA	AMPS	WATTS	KVA	AMPS	
120/240 1-PH	1.0	36,000	36.0	150	32,400	32.4	135	125 - 150
120/208 3-PH	0.8	39,000	48.75	135	35,100	43.88	121	100 - 135
120/240 3-PH	0.8	39,000	48.75	117	35,100	43.88	105	100 - 125
277/480 3-PH	0.8	39,000	48.75	58	35,100	43.88	52	45 - 60
346/600 3-PH	0.8	39,000	48.75	47	35,100	43.88	42	35 - 50

## ENGINE

ENGINE BRAND	YANMAR
ENGINE MODEL	4TNV98CT-GGE-PIH
TIER	IV FINAL
ENGINE STARTER	12V ELECTRIC
ENGINE SPEED	1800 RPM
ENGINE CYLINDERS	4
ENGINE HP	62
FREQUENCY	60 HZ
ALTERNATOR	40 AMPS 12V
FLYWHEEL	11 1/2"
ROTATION	CCW
ASPIRATION/COOLING	TURBOCHARGED
COOLANT	1.18 GAL
BORE/STROKE	98 mm x 110 mm
DISPLACEMENT/TYPE	3.32 L
LOW OIL PROTECTION	STANDARD
RECOMMENDED OIL <sup>(2)</sup>	5W-40 SAE
OIL CAPACITY	2.95 QT
INJECTION PUMP	CR SYSTEM
GOVERNOR	ELECTRONIC
COMPRESSION RATIO	17.9:1
FAN TYPE	PUSHER
INTAKE AIR CONSUMPTION	138 CFM
RADIATOR COOLING AIR	2,825 CFM
EXHAUST FLOW	205 CFM
EXHAUST OUTLET SIZE	2.5"
STARTING AIDES	GLOW PLUGS
STARTING TEMP NATURAL W/ AIDES	10° F
STARTING TEMP W/BLOCK HEATER <sup>(3)</sup>	-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.

## DE39

MOTOR STARTING (CODE G)	10 HP
DBA @ 7 METERS	--
TOTAL HARMONIC DISTORTION	< 5%
MAIN CIRCUIT BREAKER	OPTIONAL
BONDED NEUTRAL	YES
FORKLIFT POCKETS	STANDARD
ASSEMBLED IN	USA
EPA APPROVED	TIER IV FINAL
CARB APPROVED	TIER IV FINAL
TÜV CSA CERTIFICATION	YES
UNIT WARRANTY <sup>(1)</sup>	1 YEAR/2,000 HOURS

NOTES: (1) 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	
SINGLE PHASE	85
THREE PHASE	90
INSULATION	CLASS H
INGRESS PROTECTION	IP23

# SPECIFICATIONS

## DERATES

ABOVE SEA LEVEL > 1,000 FT	1% EVERY 1,000 FT
AMBIENT TEMPERATURE >104°F	3% EVERY 10°F

## FUEL

TYPE	ASTM D975 NO-2D DIESEL
FUEL TANK (OPTIONAL)	47 GAL
FULL LOAD RUN TIME <sup>(1)</sup>	13.4 HOURS
FUEL CONSUMPTION	GAL/HR
100%	3.50
75%	2.60
50%	1.80
25%	0.90

NOTES: (1) Run time is estimated.

## SHIPPING

SHIPPING DIMENSIONS (L x W x H)	87" x 37" x 68"
SHIP WEIGHT	
WITHOUT TANK	2,200 LBS
WITH TANK	2,450 LBS
FREIGHT CLASS	70

## DSE 7310 MKII CONTROLLER (STANDARD)

### 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

### 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

## OPTIONAL ACCESSORIES

BATTERY
BLOCK HEATER
TRICKLE BATTERY CHARGER
ROCKER MANUAL START
MIMIC PANEL
REMOTE MONITORING
SOLAR BATTERY CHARGER
REMOTE FUEL FILL

## ROCKER MANUAL START (OPTIONAL)

### 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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### ADDITIONAL DISPLAYS/PROTECTIONS

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

### COMMUNICATIONS

USB CONNECTABLE	YES
RS232/RS485	YES
NFPA ANNUNCIATOR	OPTIONAL
REMOTE DISPLAY PANEL	OPTIONAL
ETHERNET/MODEM	OPTIONAL

### ADDITIONAL FEATURES

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

Specifications are subject to change without notice.

