

# 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.



## 3.4L Engine

We all know the saying that "there is no replacement for displacement." A lot of engine manufacturers are pushing really small engines into this range for TIER IV final. We think a little more engine is key for long life and quick responses to load changes

## 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

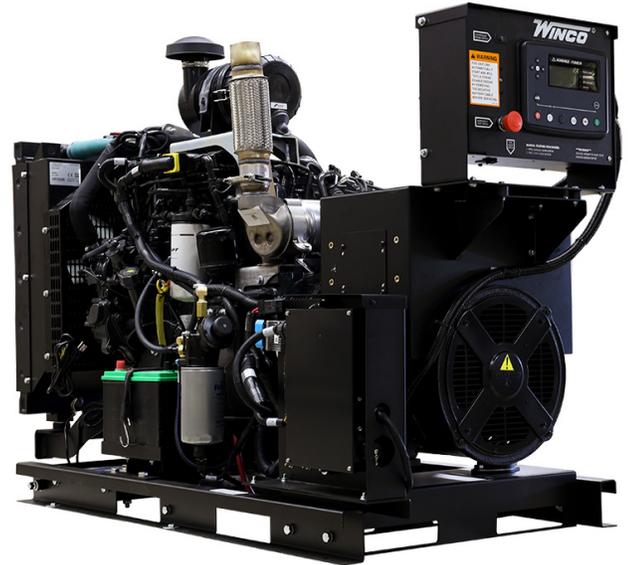
## Key Start

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.

# DE30F4

## GENERATION 4 30,000 WATTS

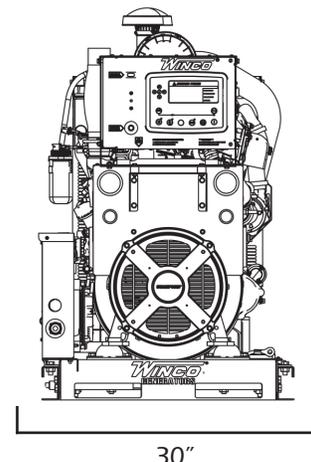
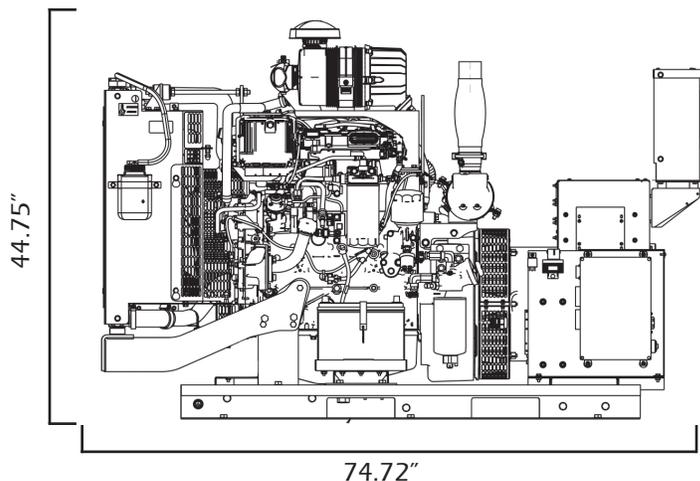
## Rugged Design



## New FPT Tier IV Engine

With DOC-PMCAT

- ✓ NO Urea
- ✓ NO Shutdowns for regens



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	30,000	30.0	125	30,000	30.0	125	125 - 150
120/208 3-PH	0.8	30,000	37.5	104	30,000	37.5	104	100 - 130
120/240 3-PH	0.8	30,000	37.5	90	30,000	37.5	90	90 - 110
277/480 3-PH	0.8	30,000	37.5	45	30,000	37.5	45	45 - 60
346/600 3-PH	0.8	30,000	37.5	36	30,000	37.5	36	35 - 45

## ENGINE

ENGINE BRAND	FPT
ENGINE MODEL	F5 C
TIER	IV FINAL
ENGINE STARTER	12V ELECTRIC
ENGINE SPEED	1800 RPM
ENGINE CYLINDERS	4
ENGINE HP	50
FREQUENCY	60 HZ
ALTERNATOR	95 AMPS 12V
FLYWHEEL	11 1/2"
ROTATION	CCW
ASPIRATION/COOLING	TURBOCHARGED
COOLANT	5.1 GAL
BORE/STROKE	99 mm x 110 mm
DISPLACEMENT/TYPE	3.4 L
LOW OIL PROTECTION	STANDARD
RECOMMENDED OIL <sup>(2)</sup>	5W-40 SAE
OIL CAPACITY	8.5 QT
INJECTION PUMP	BOSCH CP4.1
GOVERNOR	ELECTRONIC
COMPRESSION RATIO	16.5:1
FAN TYPE	PUSHER
INTAKE AIR CONSUMPTION	0.36 CFM
RADIATOR COOLING AIR	6,865 CFM
EXHAUST FLOW	0.41 CFM
EXHAUST OUTLET SIZE	4"
STARTING AIDES	GLOW PLUGS
STARTING TEMP NATURAL W/ AIDES	5° 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.

## DE30

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	89.3
INSULATION	CLASS H
INGRESS PROTECTION	IP23

# SPECIFICATIONS

## DERATES

ABOVE SEA LEVEL	
> 3,280 FT	3% EVERY 1,640 FT
> 9,842 FT	6% EVERY 1,640 FT
AMBIENT TEMPERATURE	
>104°F	2% EVERY 9°F

## FUEL

TYPE	ASTM D975 NO-2D DIESEL
FUEL TANK	47 GAL 110% CONTAINMENT
FULL LOAD RUN TIME <sup>(1)</sup>	12 HOURS
FUEL CONSUMPTION	GAL/HR
100%	3.90
75%	2.55
50%	1.54
25%	1.34

NOTES: (1) Run time is estimated.

## SHIPPING

SHIPPING DIMENSIONS (L x W x H)	87" x 40" x 68"
SHIP WEIGHT	
WITHOUT TANK	2,230 LBS
WITH TANK	2,445 LBS
FREIGHT CLASS	70

## DSE 7310 MKII CONTROLLER (OPTIONAL)

### 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

## 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	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.

