

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.



2.5L Engine

Industrial Ford Engine with EPA and CARB approval

Fuel Injection

Provides easier engine starting, better fuel efficiency, a more consistent throttle response and cleaner exhaust

Cummins Industrial Genend

With automatic voltage regulation

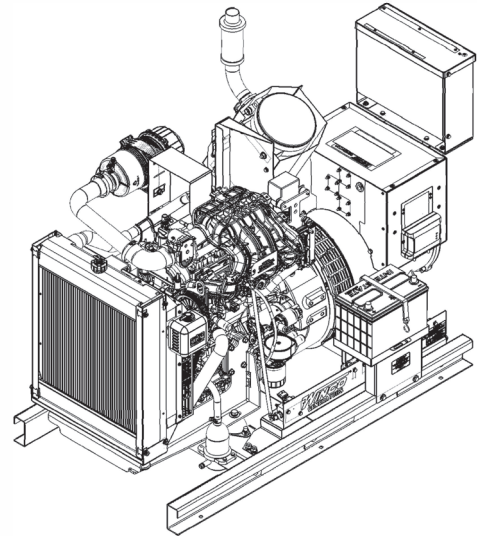
Fork Pockets

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

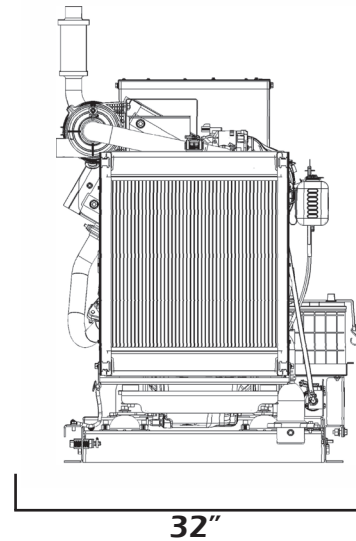
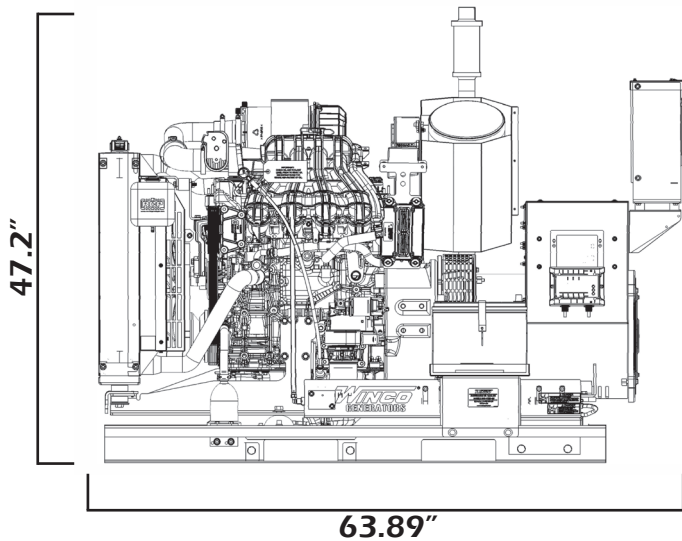
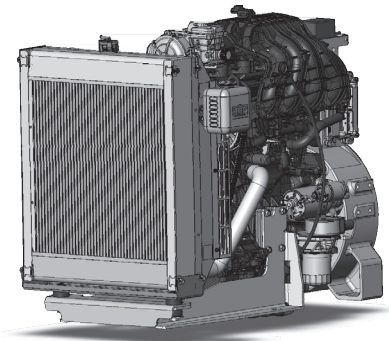
PPG28

27,000 WATTS

Rugged Design



Industrial Ford Engine



SPECIFICATIONS

ELECTRICAL

VOLTS	POWER FACTOR	STANDBY			PRIME			RECOMMENDED CB ⁽¹⁾
		WATTS	KVA	AMPS	WATTS	KVA	AMPS	
120/240 1-PH	1.0	27,000	27	112.5	24,300	24.3	101.25	100 - 150
120/208 3-PH	0.8	28,000	35	97	25,000	31.25	86	100 - 120
120/240 3-PH	0.8	28,000	35	84	25,000	31.25	75	90 - 100
277/480 3-PH	0.8	28,000	35	42	25,000	31.25	37	40 - 50
346/600 3-PH	0.8	28,000	35	33	25,000	31.25	30	30 - 40

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

ENGINE

ENGINE BRAND	FORD
ENGINE MODEL	MSG425
TIER	EPA Prime
ENGINE STARTER	12V ELECTRIC
ENGINE SPEED	1800 RPM
ENGINE CYLINDERS	4
ENGINE HP	40
FREQUENCY	60 HZ
ALTERNATOR	95 AMPS 12V
FLYWHEEL	10"
ROTATION	CCW
ASPIRATION	NATURAL
COOLANT	10 QT
BORE/STROKE	89 mm x 100 mm
DISPLACEMENT	2.5L
RECOMMENDED OIL ⁽²⁾	5W-30 SAE
OIL CAPACITY	6.7 QT
GOVERNOR	ELECTRONIC
COMPRESSION RATIO	9.7:1
FAN TYPE	PUSHER
INTAKE AIR CONSUMPTION	67.54 CFM
RADIATOR COOLING AIR	4420 CFM
EXHAUST FLOW	205.70 CFM
EXHAUST OUTLET SIZE	2"
STARTING TEMP NATURAL W/ AIDES	--
STARTING TEMP W/BLOCK HEATER	--

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) Battery not included.

PPG28

MOTOR STARTING (CODE G)	10 HP
DBA @ 7 METERS	--
TOTAL HARMONIC DISTORTION	< 5%
BONDED NEUTRAL	YES
MAIN CIRCUIT BREAKER	CUSTOMER SUPPLIED
FORK LIFT POCKETS	STANDARD
BATTERY ⁽¹⁾	12V GROUP 24 650 CCA
ASSEMBLED IN	USA
EPA APPROVED	YES
CARB APPROVED	YES
TÜV CERTIFICATION	NO
UNIT WARRANTY ⁽²⁾	1 YEAR/2000 HRS

NOTES: (1) Battery not included (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	91%
INSULATION	CLASS H
INGRESS PROTECTION	IP23

SPECIFICATIONS

DERATES

ABOVE SEA LEVEL EVERY 1,000 FT	4%
AMBIENT TEMPERATURE ABOVE 77°F	2% PER 10°F

FUEL

TYPE ⁽¹⁾	UNLEADED 87 OR 89 OCTANE
FUEL TANK ⁽²⁾	30 GAL
TANK DIMENSIONS	19.07" x 22.07" x 23.5"
75% LOAD RUN TIME ⁽³⁾	15 HOURS
FUEL CONSUMPTION	GAL/HR
100%	2.7
75%	2.0
50%	1.5
25%	0.85

NOTES: (1) Do not use E-85 (2) Fuel tank is single-wall (3) Run time is estimated

OPTIONAL ACCESSORIES

DSE7310 MKII CONTROLLER	BATTERY
MIMIC PANEL	BATTERY HEATER
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

SHIPPING

SHIPPING DIMENSIONS (L x W x H)	90" x 44" x 70"
SHIP WEIGHT W/ FUEL TANK	1,170 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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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.

