

# 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.



## 2.5L Engine

Industrial Ford Engine with EPA and CARB approval

## Cummins Industrial Genend

With automatic voltage regulation

## Electronic Common Rail

Excellent frequency control and load pick-up

## Fork Pockets

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

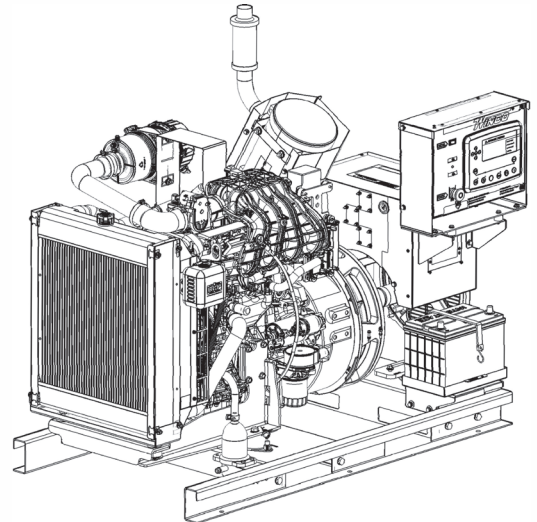
## Battery Charger

Smart trickle battery charger standard

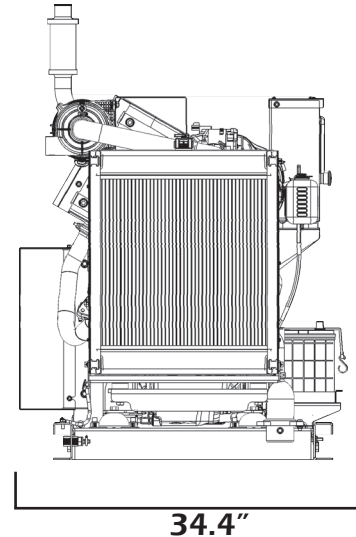
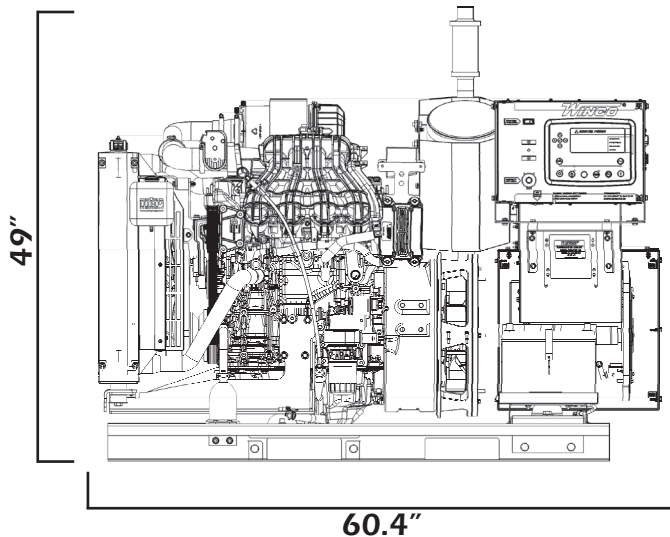
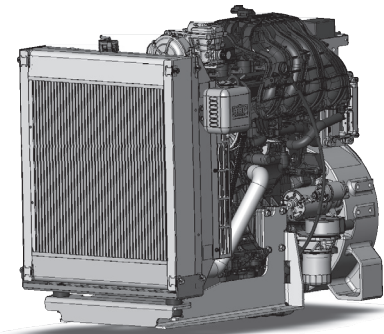
# PPG28

28,000 WATTS

## Rugged Design



## Industrial Ford Engine



# SPECIFICATIONS

## ELECTRICAL

VOLTS	POWER FACTOR	STANDBY			PRIME			RECOMMENDED CB <sup>(1)</sup>
		WATTS	KVA	AMPS	WATTS	KVA	AMPS	
120/240 1-PH	1.0	28,000	28	116	25,000	25	104	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	--
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 <sup>(2)</sup>	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 AIDES	BLOCK HEATER
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	INCLUDED
ASSEMBLED IN	USA
EPA APPROVED	YES
CARB APPROVED	YES
TÜV CERTIFICATION	NO
UNIT WARRANTY <sup>(1)</sup>	1 YEAR/2000 HRS

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	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 <sup>(1)</sup>	UNLEADED 87 OR 89 OCTANE
OPTIONAL FUEL TANK CONTAINMENT	30 GAL 110%
TANK DIMENSIONS	27" x 18" x 21"
75% LOAD RUN TIME <sup>(2)</sup>	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) Run time is estimated

## SHIPPING

SHIPPING DIMENSIONS (L x W x H)	90" x 44" x 70"
SHIP WEIGHT WITHOUT 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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## OPTIONAL ACCESSORIES

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.

