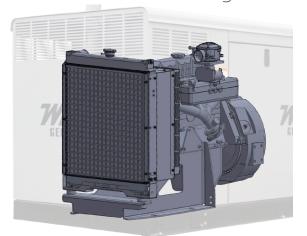
WINGO



•——Industrial Zenith Engine ——•



•— Brushless Industrial Genend —•



Assembled in the USA ——•
Engineered, fabricated, and assembled in Minnesota



———Full Load Tested—

Every generator is 100% load tested



DSE 7310 Controller —

Provides immediate performance information



———— Coolant Heater ———

120V in-line Hotstart coolant heater with thermostat



——— Battery Charger –

5 Amp, smart marine charger standard



── Galvanealed Steel Enclosure ──•

Durable design with powder coat paint

— UL2200 Listed ———

A safety standard for the design, construction, and performance of stationary generators

SPECIFICATIONS

- ELECTRICAL -

			LP			NG		
VOLTS	POWER FACTOR	WATTS	KVA	AMPS	WATTS	KVA	AMPS	MAIN CIRCUIT BREAKER AMPS
120/240 1-PH	1.0	30,000	30,000	125	27,000	27,000	112	125
120/208 3-PH	0.8	30,000	37,500	104	27,000	33,750	93	100
120/240 3-PH	0.8	30,000	37,500	90	27,000	33,750	81	100
277/480 3-PH	0.8	30,000	37,500	45	27,000	33,750	40	45

•——— ENGINE ———•			
ENGINE MANUFACTURER	ZENITH		
ENGINE MODEL	428		
ENGINE STARTER	12V ELECTRIC		
ENGINE SPEED	1800 RPM		
ENGINE CYLINDERS	4		
HP RATING NG LP	46 52		
FREQUENCY	60 HZ		
TORQUE NG LP	138 FT/LBS 152 FT/LBS		
ALTERNATOR	86 AMPS		
FLYWHEEL	7.5″		
ROTATION	CCW		
ASPIRATION	NATURAL		
EXHAUST OUTLET ⁽¹⁾	3″		
BORE/STROKE	98.4 mm x 91.0 mm		
DISPLACEMENT/TYPE	2.8 L		
LOW OIL PROTECTION	STANDARD		
RECOMMENDED OIL ⁽²⁾	10W-30 SAE		
OIL CAPACITY	5.0 QT		
GOVERNOR	ELECTRONIC		
COMPRESSION RATIO	9.5:1		
FAN TYPE	PUSHER		
COOLANT CAPACITY	2.5 GAL		
HIGH COOLANT TEMP PROTECTION	STANDARD		
COMBUSTION AIR	63.5 CFM		
RADIATOR COOLING AIR	3974 CFM		

NOTES: (1) Muffler ships loose. (2) The recommended oil is for normal applications. See operator's manual for the recommended oil for your needs.

•——— PSS30 —	o	
MOTOR STARTING (CODE G)	8 HP	
DBA @ 7 METERS	75	
TOTAL HARMONIC DISTORTION	< 5%	
FLOATING NEUTRAL	YES	
ASSEMBLED IN	USA	
UL CERTIFICATION	UL2200 LISTED	
EPA APPROVED	STANDBY ONLY	
CSA APPROVED	YES	
UNIT WARRANTY ⁽¹⁾	2 YR/2000 HRS	
NOTES: (1) For more generator warranty, see operator's manual.		

GENERA	NTOR END $\overline{}$
SINGLE PHASE WINDING NUMBER	4 LEAD 706
THREE PHASE WINDING NUMBER	12 LEAD 711
VOLTAGE REGULATION	+/- 1%
AVR TYPE	AS540
TEMPERATURE RISE	125/40°C
TYPE	REVOLVING FIELD
BRUSHLESS	YES
SPEED	1800 RPM
WINDING PITCH	2/3
WINDINGS	100% COPPER
STATOR WINDING 706 711	SINGLE LAYER CONCENTRIC DOUBLE LAYER CONCENTRIC
COUPLING	DIRECT/FLEXIBLE DISC
BEARINGS	SINGLE (MAINTENANCE FREE)
EFFICIENCY PEAK @ 0.8 PF 706 WINDING 711 WINDING	84.1% 79.4%
INSULATION	CLASS H
INGRESS PROTECTION	IP23

SPECIFICATIONS

•——DERATES –	с
ABOVE SEA LEVEL PER 1,000 FT	3%
TEMPERATURE EVERY 10°F ABOVE 77°F	2%

•—— F	UEL ———
INLET PRESSURE	4-6 OZ/7-11" WATER COLUMN
FUEL INLET SIZE	3/4"
FUEL CONSUMPTION NG 100% 50% 0%	407.74 FT³/HR - 407,741 BTU/HR 235.7 FT³/HR - 235,695 BTU/HR 88.38 FT³/HR - 88,379 BTU/HR
FUEL CONSUMPTION LP 100% 50% 0%	4.74 GAL/HR - 431,441 BTU/HR 2.73 GAL/HR - 248,394 BTU/HR 0.97 GAL/HR - 88,217 BTU/HR

→ DBA @ 7 METERS —	<u> </u>
NO LOAD	
LEFT	68.4
RIGHT	70.2
FRONT	66.9
BACK	71.5
NO LOAD	
LEFT	74.0
RIGHT	74.6
FRONT	75.2
BACK	73.5

SHIPPING -	
SHIPPING DIMENSIONS (L x W x H)	86" x 40" x 51"
SHIP WEIGHT	1,570 LBS
FREIGHT CLASS	70

BATTE	ERY
DC SYSTEM	12V
DC ALTERNATOR	ENGINE MOUNTED
BATTERY RACK/CABLE	INCLUDED
BATTERY CHARGER	5 AMP INCLUDED
REQUIRED BATTERY(1)	GROUP 24 650 CC
Notes: (1) Battery not included.	

○OPTIONAL ACCESSORIES **○**

GENERATOR STRIP HEATER
AUTOMATIC TRANSFER SWITCH
VAPOR FUEL STRAINER
BATTERY CHARGER UPGRADE
BATTERY HEATER
NFPA110 LEVEL 1
WEBNET
LP LIQUID WITHDRAWAL

DSE 7310 CONTROLLER -

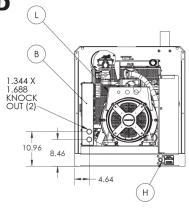
ENGINE DISPLAY/PROTECTION	
ENGINE RPM	YES
LOW OIL PRESSURE	YES
HIGH COOLANT TEMP	YES
LOW COOLANT	OPTIONAL
OVER/UNDER SPEED	YES
OVER CRANK	YES
CAN ECU SHUTDOWN	YES
ENGINE MAINTENANCE CODES	YES
GENSET DISPLAY/PROTECTION	
VOLTAGE (L-N & L-L)	YES
OVER/UNDER VOLTAGE	YES
FREQUENCY	YES
OVER/UNDER FREQUENCY	YES
AMP DISPLAY/SHUTDOWN	YES
PHASE IMBALANCE	DISABLED
KW, KVA, KVAR DISPLAY	YES
KWH, KVAH, KVARH DISPLAY	YES
GENERATOR PHASE SEQUENCE	OPTIONAL

ADDITIONAL DISPLAYS/PROTECTIONS

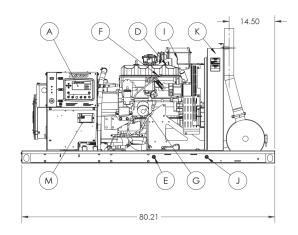
EXTERNAL E-STOP	CUSTOMER SUPPLIED
BATTERY VOLTAGE	YES
BATTERY OVER/UNDER VOLTAGE	YES
COMMUNICATIONS	
USB CONNECTABLE	YES
RS232/RS485	YES
REMOTE DISPLAY PANEL	OPTIONAL
DSE WEB NET	OPTIONAL
ADDITIONAL FEATURES	
AUDIBLE ALARM	YES
ENGINE EXERCISER	DISABLED
MAINTENANCE INTERVAL TIMER	DISABLED
LOAD SHEDDING/DUMMY	DISABLED
CONFIGURABLE INPUTS	4 (EXPANDABLE)
CONFIGURABLE OUTPUTS	4 (EXPANDABLE)
EVENT LOG	250

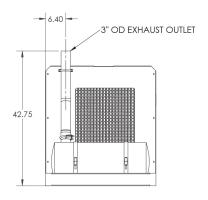
DRAWINGS

OPEN SKID

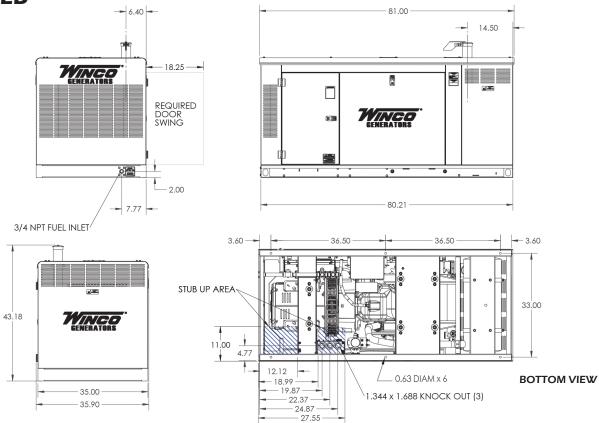


KEY COMPONENTS	
Α	ENGINE CONTROL
В	MAIN LINE CIRCUIT BREAKER
С	GROUP 24 BATTERY (NOT INCLUDED)
D	OIL FILL
Е	OIL DRAIN
F	OIL DIPSTICK
G	OIL FILTER
Н	FUEL INLET
T	AIR FILTER
J	COOLANT DRAIN
K	COOLANT FILL
L	AVR
М	BATTERY CHARGER





ENCLOSED



Specifications are subject to change without notice.

7/