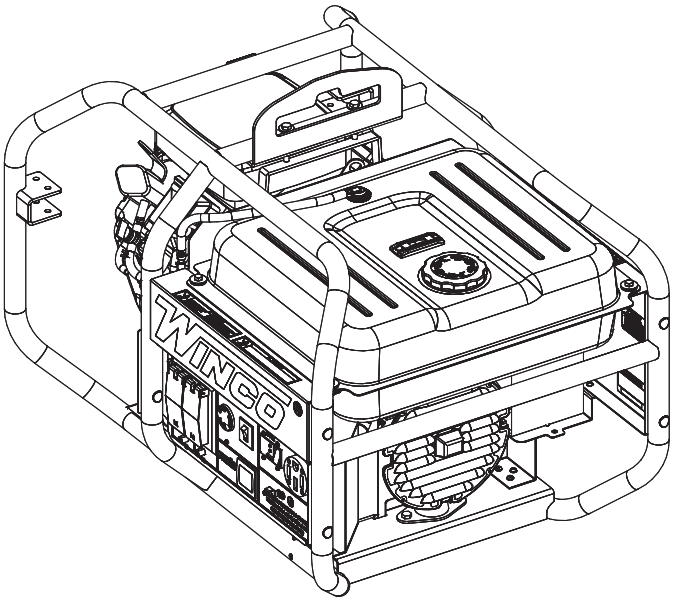
WINCO GENERATORS
AN AMERICAN COMPANY
www.WINCOGEN.com

W10000VE-03/B



Designed, engineered, and manufactured in our facility located in Le Center, Minnesota, equipped with modern engineering, fabrication and assembly capabilities.

Rugged Design
Engineered and built tough with powder coat paint galvanealed steel.

Full Load Tested
Every generator is 100% load tested in-house.

Vanguard Industrial Engine
Premium-grade Vanguard engines are application-engineered to power equipment that works for a living.

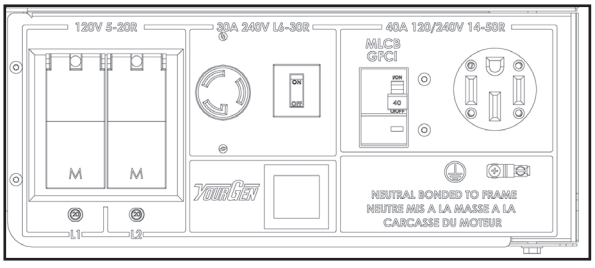
VANGUARD® mecc alte

VOLTAGE	STARTING WATTS	STARTING AMPS @ 240V	RUNNING WATTS	RUNNING AMPS @ 120V	RUNNING AMPS @ 240V
120/240 1-PH	10,000	41	9,600	80	40

MOTOR STARTING (CODE G)	3 HP
DBA @ 7 METERS FULL LOAD	82.8
TOTAL HARMONIC DISTORTION	< 6%
MAIN CIRCUIT BREAKER	40A, 240 V (GFCI)
BONDED NEUTRAL	YES
120V RECEPTACLES	(2) NEMA 5-20 20A (DUPLEX GFCI)
120/240V RECEPTACLES	(1) NEMA L14-50 50A (GFCI)

240V RECEPTACLES	(1) NEMA L6-30 30A (GFCI)
PROTECTIVE ROLL FRAME	1.25" DIA 14 GA STEEL
ASSEMBLED IN	USA
EPA APPROVED	YES
CARB APPROVED	NO
TÜV CERTIFICATION CSA	YES
UNIT WARRANTY(1)	3 YEARS COMMERCIAL

RECEPTACLE PANEL



ENGINE

ENGINE BRAND	BRIGGS & STRATTON
ENGINE MODEL	VANGUARD 3564
ENGINE STARTER	ELECTRIC/RECOIL
ENGINE SPEED	3600 RPM
ENGINE CYLINDERS	V-TWIN
ENGINE HP	18
FREQUENCY	60 HZ
IGNITION SYSTEM	MAGNETRON® ELECTRONIC

LUBRICATION	FULL-PRESSURE
BORE/STROKE	72.0 mm x 70.0 mm
DISPLACEMENT/TYPE	570CC/ OHV
LOW OIL PROTECTION	STANDARD
RECOMMENDED OIL(2)	5W-30 SAE
OIL CAPACITY	2.4 QT
COMPRESSION RATIO	8.2:1

FUEL

FUEL TANK	7 GAL
FULL LOAD RUN TIME	4.3 HRS
FUEL GAUGE	YES

FUEL CONSUMPTION	
100%	1.64 GAL/HR
75%	1.34 GAL/HR
50%	1.01 GAL/HR
25%	0.77 GAL/HR

GENERATOR END

GENERATOR END BRAND	MECC ALTE
GENERATOR END MODEL	ES20FS-160
PHASE	SINGLE
VOLTAGE REGULATION	AVR +/- 1%
TEMPERATURE RISE	125/40°C
BRUSH	YES
SPEED	3600 RPM

STATOR	2/3 PITCH
WINDINGS	100% COPPER
STATOR WINDING	DOUBLE LAYER CONCENTRIC
BEARINGS	SINGLE (MAINTENANCE FREE)
EFFICIENCY PEAK	80%
INSULATION	CLASS H
INGRESS PROTECTION	IP23

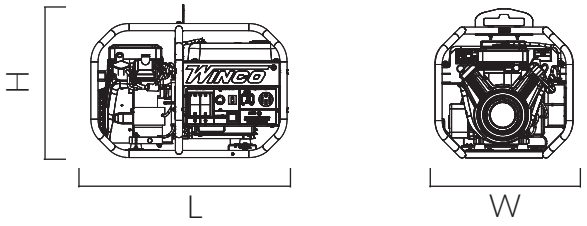
DERATES

ABOVE SEA LEVEL 1,000 FT	3.5%

ABOVE 77°	1% FOR EACH 10°F

SHIPPING

SHIPPING DIMENSIONS (L x W x H)	36” x 26” x 24”
SHIP WEIGHT	298 LBS
FREIGHT CLASS	70



OPTIONAL ACCESSORIES

COVER	34.25” x 23.5” x 24.5”
L14-50 PLUG	97360-002
MAINTENANCE KIT	16200-007
BATTERY	BCI GROUP U1 300 CCA
2-WHEEL DOLLY KIT	16199-036

NOTES:
(1) For more warranty information, see operator’s manual.
(2) The recommended oil is for normal applications.
See operator’s manual for more oil recommendations.
Specifications are subject to change without notice.

Sales: 507-357-6821
Service: 507-357-6831