

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.

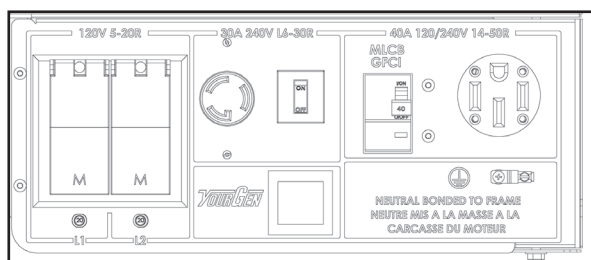


| VOLTAGE | STARTING WATTS | STARTING AMPS @ 240V | RUNNING WATTS | RUNNING AMPS @ 120V | RUNNING AMPS @ 240V |
|--------------|----------------|----------------------|---------------|---------------------|---------------------|
| 120/240 1-PH | 10,000 | 41 | 9,600 | 80 | 40 |

| | |
|---------------------------|---------------------------------|
| 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

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

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|------------------|-------------|
| 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 |

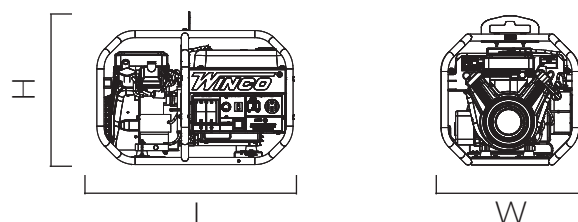
DERATES

| | |
|-----------------------------|------|
| 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

