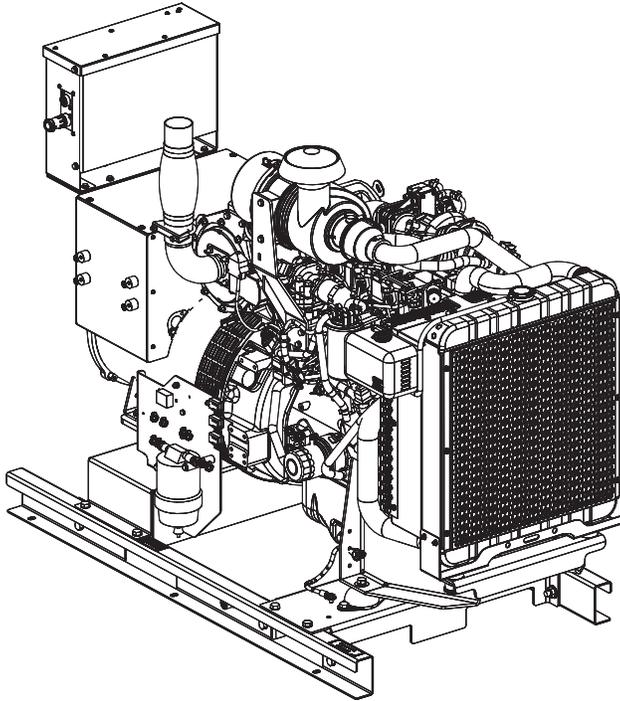


DE39Y4



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

Full Load Tested

Every generator is 100% load tested in-house.

Key Start

The key start assembly can easily be rotated to three sides of the unit. Allowing the unit to be installed in a convenient position according to your specs.

Yanmar Tier IV Engine

An engine more than capable of handling the most demanding applications.



| VOLTS | PF | STANDBY | | | PRIME | | |
|--------------|-----|---------|-------|------|--------|-------|------|
| | | WATTS | KVA | AMPS | WATTS | KVA | AMPS |
| 120/240 1-PH | 1.0 | 36,000 | 36.0 | 150 | 32,400 | 32.4 | 135 |
| 120/208 3-PH | 0.8 | 39,000 | 48.75 | 135 | 35,100 | 43.88 | 121 |
| 120/240 3-PH | 0.8 | 39,000 | 48.75 | 117 | 35,100 | 43.88 | 105 |
| 277/480 3-PH | 0.8 | 39,000 | 48.75 | 58 | 35,100 | 43.88 | 52 |
| 346/600 3-PH | 0.8 | 39,000 | 48.75 | 47 | 35,100 | 43.88 | 42 |

| | |
|---------------------------|-------------------|
| MOTOR STARTING (CODE G) | 10 HP |
| DBA @ 7 METERS FULL LOAD | - |
| TOTAL HARMONIC DISTORTION | < 5% |
| MAIN CIRCUIT BREAKER | CUSTOMER SUPPLIED |
| 120/240 1-PH | 125-150A |
| 120/208 3-PH | 100-130A |
| 120/240 3-PH | 100-125A |
| 277/480 3-PH | 45-60A |
| 346/600 3-PH | 35-50A |
| BONDED NEUTRAL | YES |

| | |
|---------------------------------|--------------------|
| REQUIRED BATTERY ⁽¹⁾ | GROUP 24 650 CCA |
| FORKLIFT POCKETS | STANDARD |
| ASSEMBLED IN | USA |
| EPA APPROVED | TIER IV |
| CARB APPROVED | TIER IV |
| TÜV CERTIFICATION | |
| CSA | YES |
| UL2200 | YES |
| UNIT WARRANTY ⁽²⁾ | 1 YEAR/2,000 HOURS |

ENGINE

| | |
|-------------------|------------------|
| ENGINE BRAND | YANMAR |
| ENGINE MODEL | 4TNV98CT-GGE-PIH |
| ENGINE STARTER | 12V ELECTRIC |
| ENGINE SPEED | 1800 RPM |
| ENGINE CYLINDERS | 4 |
| ENGINE HP | 62 |
| FREQUENCY | 60 HZ |
| ALTERNATOR | 40 AMPS, 12V |
| FLYWHEEL | 11.5" |
| ROTATION | CCW |
| ASPIRATION | TURBOCHARGED |
| BORE/STROKE | 98 mm x 110 mm |
| DISPLACEMENT/TYPE | 3.32L |
| EXHAUST FLOW | 205 CFM |

| | |
|---|------------|
| EXHAUST OUTLET | 2.5" |
| RECOMMENDED OIL ⁽³⁾ | 5W-40 SAE |
| OIL CAPACITY | 2.95 QT |
| INJECTION PUMP | CR SYSTEM |
| GOVERNOR | ELECTRONIC |
| COMPRESSION RATIO | 17.9:1 |
| FAN TYPE | PUSHER |
| INTAKE AIR CONSUMPTION | 138 CFM |
| COOLANT CAPACITY | 1.18 GAL |
| RADIATOR COOLING AIR | 2,825 CFM |
| STARTING AIDES | GLOW PLUGS |
| START TEMP NATURAL W/ AIDES | 10° F |
| START TEMP W/ BLOCK HEATER ⁽⁴⁾ | -13° F |

FUEL

| | |
|-----------------------------------|------------------------|
| TYPE | ASTM D975 NO-2D DIESEL |
| OPTIONAL FUEL TANK ⁽⁵⁾ | 47 GAL |
| CONTAINMENT | 110% |
| TANK DIMENSIONS | 70.5" x 30" x 18" |
| FULL LOAD RUN TIME ⁽⁶⁾ | 13.4 HOURS |

| | |
|------------------|--------|
| FUEL CONSUMPTION | GAL/HR |
| 100% | 3.50 |
| 75% | 2.60 |
| 50% | 1.80 |
| 25% | 0.90 |

GENERATOR END

| | |
|---------------------|-----------------|
| GENERATOR END BRAND | STAMFORD |
| GENERATOR END MODEL | S1L2-R1 |
| WINDING | 711 - 12 LEAD |
| 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 | 89.9% |
| INSULATION | CLASS H |
| INGRESS PROTECTION | IP23 |

DERATES

| | |
|----------------------------|-------------------|
| ABOVE SEA LEVEL > 1,000 | 1% EVERY 1,000 FT |
|----------------------------|-------------------|

| | |
|-------------------------------|---------------|
| AMBIENT TEMPERATURE >104°F | 3% EVERY 10°F |
|-------------------------------|---------------|

ROCKER MANUAL START

ENGINE

| | |
|-------------------|------------------|
| LOW OIL PRESSURE | SHUTDOWN |
| HIGH COOLANT TEMP | SHUTDOWN |
| OVER CRANK | SHUTDOWN |
| CAN ECU | DISPLAY/SHUTDOWN |

GENSET

| | |
|---------------|---------|
| VOLTAGE (L-L) | DISPLAY |
|---------------|---------|

OPTIONAL DSE 7310 MKII 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 |

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 | YES |
| BATTERY VOLTAGE | YES |
| BATTERY OVER/UNDER VOLTAGE | YES |

COMMUNICATIONS

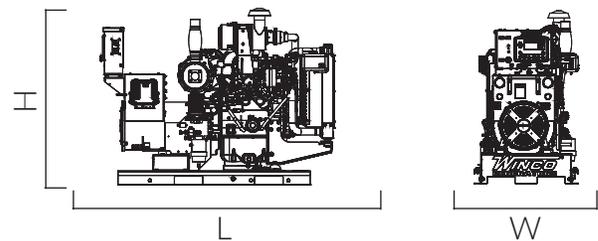
| | |
|----------------------|----------|
| USB CONNECTABLE | YES |
| RS232/RS485 | YES |
| NFPA ANNUNCIATOR | OPTIONAL |
| REMOTE DISPLAY PANEL | OPTIONAL |
| ETHERNET/MODEM | OPTIONAL |

ADDITIONAL FEATURES

| | |
|----------------------------|----------------|
| AUDIBLE ALARM | YES |
| ENGINE EXERCISER | YES |
| MAINTENANCE INTERVAL TIMER | OPTIONAL |
| LOAD SHEDDING/DUMMY | OPTIONAL |
| CONFIGURABLE INPUTS | 4 (EXPANDABLE) |
| CONFIGURABLE OUTPUTS | 4 (EXPANDABLE) |
| EVENT LOG | 250 |

SHIPPING

| | |
|---------------------------------|-----------------|
| SHIPPING DIMENSIONS (L x W x H) | 87" x 37" x 68" |
| SHIP WEIGHT (Without Tank) | 1,833 LBS |
| FREIGHT CLASS | 70 |



OPTIONAL ACCESSORIES

| | |
|--------------------|---------------------|
| BATTERY | GROUP 24 650 CCA |
| BLOCK HEATER | 1,800 WATTS, 15 AMP |
| BATTERY CHARGER | 5 AMP |
| DIGITAL CONTROLLER | DSE 7310 MKII |

| | |
|-----------------------|---------|
| MIMIC PANEL | DSE2510 |
| REMOTE MONITORING | DSE2548 |
| SOLAR BATTERY CHARGER | 10 AMP |

NOTES:

- (1) Batteries are not included.
 - (2) For more warranty information, see operator's manual.
 - (3) The recommended oil is for normal applications.
See operator's manual for more oil recommendations.
 - (4) Block heater is not included.
 - (5) 47 Gallon composite tank does not conform to UL2200.
 - (6) Run time is estimated.
- Specifications are subject to change without notice.



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

