



# PDC-8340YM-388

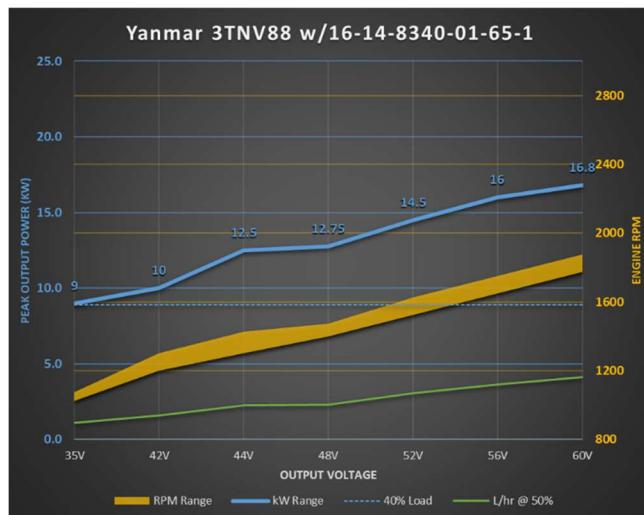
## Yanmar Marine DC Genset



|                             |                         |
|-----------------------------|-------------------------|
| SPECIFICATION               | BDSA                    |
| CYLINDERS                   | 3                       |
| BORE x STROKE (mm)          | 88 x 90                 |
| DISPLACEMENT in3 (cc)       | 100.2 (1642)            |
| ALTERNATOR                  | 8340                    |
| MAX CONTINUOUS OUTPUT (kW)  | 14                      |
| PROGRAMMABLE OUTPUT (kW)    | 9 – 14                  |
| VOLTAGE RANGE AVAILABLE (V) | 48 – 800                |
| Max Continuous Current (A)  | 300                     |
| RATED SPEED rpm (Actual)    | 3000 (2100)             |
| LENGTH w/alternator in (mm) | 24.7 (627.4)            |
| WIDTH in (mm)               | 20.2 (513.1)            |
| HEIGHT in (mm)              | 26.2 (665.5)            |
| WEIGHT lbs (kg)             | ~ 390 (177)             |
| COMBUSTION TYPE             | Direct Injection        |
| ASPIRATION                  | Naturally Aspirated     |
| GOVERNOR TYPE               | Mechanical              |
| Lubrication System          | 6.7L Capacity           |
| Electrical System           | 12V, 40 Amp Alternator  |
| Fuel System                 | Distributor-Type MP2    |
| Cooling System              | Water Pump, Belt Driven |
| Includes:                   |                         |
| • Supra 250                 |                         |
| • Supra 290                 |                         |

### Yanmar Engines

The PDC-8340YM-388 Generator incorporates the Yanmar 3TNV series engine that is designed for ruggedness while maintaining low noise and vibration. This three-cylinder engine is significantly smoother than other three or less cylinder marine generators. It is our most used diesel engine and has been adapted for marine demands by Polar Power. This series of Polar Power marine solution engines are paired with electric seawater exhaust elbow cooling as standard.



Example output with 48V alternator

### Market

As the desire for Lithium batteries in hybrid boating applications increases, Polar Power is the right solution for efficiently and safely charging the batteries, while providing additional power to the drive system and accessories.

The PDC-8340YM-388 offers 14kW continuous power output that can be distributed easily to your DC systems. It's a good match for any system and can be combined with a second PDC-8340YM-388 for additional capacity or redundancy.

### Optional Supra2020 Master Control System

- Site / System monitoring
- Integrated Calibration and Control Settings
- Green Priority – Solar over generator
- Generator runtime scheduling
- Generator rotation scheduling
- CAN and MODBUS device monitoring
  - Battery BMS
  - Solar Controller
- CAN and MODBUS device integration
- History Tracking and Export
- SMS and E-mail Alerts
  - Maintenance
  - Warnings
  - Critical
- User Accounts with Change Log
- Site Logs
- Backup and Restore functions
- NOC Integration