

MODEL
TPC450T
 INDUSTRIAL RANGE
 Powered By Cummins



Note : Pictures shown are for illustration purpose only



WATER-COOLED



THREE PHASE



50 HZ



DIESEL

Generating Rates

| SERVICE | | PRP | STANDBY |
|-----------------------|---------|---------------|---------|
| Power | kVA | 400 | 450 |
| Power | kW | 320 | 360 |
| Rated Speed | r.p.m | 1.500 | |
| Standart Voltage | V | 400 | |
| Available Voltage | V | 230 - 230/132 | |
| Rated at power factor | Cos Phi | 0.8 | |

Austin Power Company with quality certification ISO 9001
 Austin Power gensets are compliant with EC mark which includes the following directives:



STANDARDS:

Genset: GB/T2820—2009,ISO8528

Alternator: STAMFORD

Diesel Engine: CUMMINS , NTAA855-G7A

Standby Power: Continues running at variable load for duration of an emergency. No overload is permitted on these ratings.

Prime Power: Continues running at variable load for unlimited periods with 10% overload available for 1 hour in any 12 hour period.

CONFIGURATION:

Standard: Engine, alternator, cooling system, Base frame (excluding fuel tank), shock absorberair inlet system, control box (including mains floating charge), plastic fan blades (when the engine and water tank do not bring. **Optional:** Base frame (including fuel tank, water jacket heater, fuel water separator, fuel heater, fuel level sensor (only supporting underframe tank, switch box (with switch, power switch, the water level sensor, motor anti condensation heater, automatic fueling system (only supporting base frame including fuel tank, battery frame.

Accessories: Silencer, bellow, exhaust silencing system accessories (with the matching engine, regular battery, starting cord assembly, data of gen-set, random tool (with the matching engine.



Engine Specifications

| ENGINE | | PRP | STANDBY |
|-------------------------------------|------|-------------------------------------|---------|
| Manufacturer | | CUMMINS | |
| Model | | NTAA855-G7A | |
| Engine Type | | 4-stroke diesel | |
| Number of cylinders and arrangement | | 6 / L | |
| Bore and Stroke | mm | 140 mm x 152 mm | |
| Displacement | L | 14.0 L | |
| Cooling System | | Coolant | |
| Lube Oil Specifications | | Sae 3 class 15W40 / API grade CD,CF | |
| Compression Ratio | | 14.0 : 1 | |
| Fuel Specifications | | Diesel | |
| Fuel Consumption 100% PRP | | 89.2 L / H | |
| Fuel Consumption 75% PRP | | 67.8 L / H | |
| Fuel Consumption 50% PRP | | 47.5 L / H | |
| Total oil capacity | | 38.6 L | |
| Total coolant capacity | | 61.0 L | |
| Governor | Type | Electrical | |
| Air Filter | Type | Dry | |



- Cummins engines with advanced design, reliable performance, durable operation.
- Alloy-steel and connecting steel-lever, high durability
- High combustion efficiency and low fuel consumption, work continuously
- P/T pump injection technology, low cost, completely combustion

Note: All data sheets are for reference only and subject to change without prior notice.

Generator

| Generator | | |
|-----------------|-------|-----------------|
| Manufacturer | | STAMFORD |
| Poles | No. | 4 |
| Insulation | Class | H / H |
| Enclosure | | IP23 |
| Exciter system | | Brushless SHUNT |
| A.V.R. Model | | AS440 |
| Coupling system | | Direct |

FEATURES

- Utilising wire-wound* (random-wound) technology
- Environment alternators are the industry benchmark for all generator set configurations.
- Brushless excitation with AVR
IP21, IP22, IP23, IP44 enclosure protection.
- The ideal solution for marine/offshore, UPS, telecoms, basic and advanced protection, construction and other continuous or standby power applications.



CONTROL PANEL MODEL

DEIF / DEEP SEA

Key benefits

- Ultimate size to feature ratio.
- Automatically transfers between mains (utility) and generator.
- Hours counter provides accurate information for monitoring and maintenance periods.
- User-friendly set-up and button layout for ease of use.
- Multiple parameters are monitored simultaneously which are clearly displayed on the largest back-lit icon display in its class.
- The module can be configured to suit a wide range of applications.
- Compatible with a wide range of CAN engines including Tier 4.
- IP65 rating (with optional gasket) offers increased resistance to water ingress.

Key features

- Auto Start and AMF mode in one module.
- J1939-75 support and CAN alarm ignore function.
- Alternator frequency & CAN speed sensing in one variant.
- Largest back-lit icon display in its class.
- Heated display option.
- Real time clock provides accurate event logging.
- Fully configurable via the fascia or PC using USB communication.
- Extremely efficient power save mode.
- 3 phase generator sensing.
- 3 phase mains (utility) sensing
- Compatible with 600 V ph to ph nominal systems.
- Generator/load power monitoring (kW, kVA, kVar, PF).
- Accumulated power monitoring (kWh, kVAh, kVarh).
- Generator overload protection.
- Generator/load current monitoring and protection.
- Fuel and start outputs (configurable when using CAN).
- 4 configurable DC outputs.
- 3 configurable analogue/digital inputs
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- Configurable staged loading outputs.
- 3 engine maintenance alarms.
- Engine speed protection.
- Engine hours counter.
- Engine pre-heat.
- Engine run-time scheduler.
- Engine idle control for starting & stopping.
- Tier 4 engine instrumentation screens.
- Battery voltage monitoring.
- Start on low battery voltage.
- Configurable remote start input.
- 1 alternative configuration.
- Comprehensive warning, electrical trip or shutdown protection upon fault condition.
- LCD alarm indication.
- Event log (50)

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