

DPX-18819 - Engine Model: KTA50-G3 - Driven by Cummins Engine


| | Genset Model | Prime Rating | Standby Rating |
|--------------|--------------|-------------------------|-------------------------|
| 50 Hz | 18819 | 1000 kW <i>1250 kVA</i> | 1100 kW <i>1375 kVA</i> |
| 60 Hz | 18819 | 1100 kW <i>1375 kVA</i> | 1260 kW <i>1575 kVA</i> |

- Authorized Genset Original Equipment Manufacturer (GOEM) of Cummins Inc.
- Fully load tested and checked under standard procedures
- Tailor fit specific operational needs (please turn over)

Specifications

| Engine | 50 Hz | 60Hz |
|--|-----------------------------|---------|
| Engine Model - Cummins | KTA50-G3 | |
| Engine Speed | 1500rpm | 1800rpm |
| Fuel consumption (Standby) Liter/hour 100% | 293 | 330 |
| Fuel consumption (Prime) Liter/hour | | |
| 100% | 261 | 291 |
| 75% | 199 | 222 |
| 50% | 139 | 157 |
| 25% | 76 | 89 |
| Engine Type | 4-Cycle, 16 Cylinder | |
| Aspiration | Turbocharged & aftercooled | |
| Bore x Stroke | 159mm x 159mm | |
| Displacement | 50.3 Liter | |
| Compression Ratio | 13.9:1 | |
| Lubrication System - Total System Capacity | 177 Liter | |
| Cranking Motor | 24 Volt | |
| Fuel injection System | Direct Injection Cummins PT | |

Control System
Standard Control Panel System

- Deep Sea Electronics: key start, auto start, synchronizing
- ComAp Control: single gen-set controllers, paralleling gen-set controllers
- Analog Instrument Panel

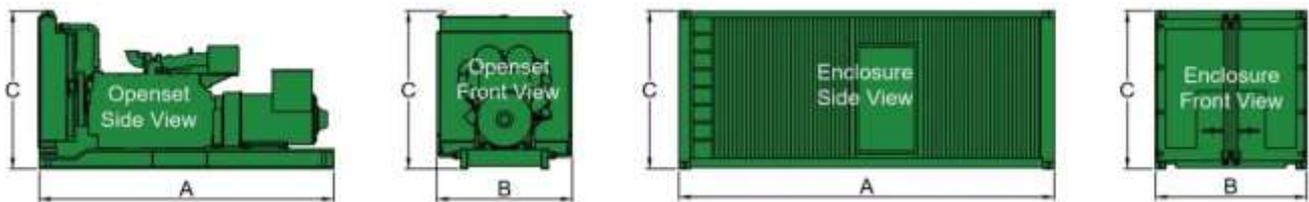
Alternator

| | | | |
|---|------------|--|--|
| Alternator Model - STAMFORD Alternators | PI734B | | |
| Rated Power Factor | 0.8 | | |
| Insulation System | Class H | | |
| Winding Pitch | Two Thirds | | |
| Winding Leads | 6 | | |
| Protection | IP23 | | |

Control System - Separately Excited By P.M.G.

| | | | |
|--------------------|-------|---------|--------------------------|
| A.V.R. | MX341 | MX321 | |
| Voltage Regulation | ± 1 % | ± 0.5 % | With 4% Engine Governing |

Dimensions and Weights



A: Length(mm)

B: Width(mm)

C: Height(mm)

Gross Weight (kgs)

| | | | | |
|----------------------|------|------|------|-------|
| Open-set | 5112 | 2120 | 2431 | 9570 |
| Enclosure-set | 6058 | 2438 | 2590 | 16600 |

**Dimensions and weights are for guidance only. Do not use for installation design.*

Available Options

We offer a wide range of optional equipment to tailor your generating sets so as to meet your operational needs. Options include:

- Alternator heater, engine heater or panel heater
- Circuit breaker 3P/4P
-
- Customization of the fuel tank size
- Silencer
- Tailor-made enclosure sets

For further information on the standard or optional equipment accompanying this product, please feel free to contact us.

Documentation

A full set of operation and maintenance manuals as well as circuit wiring diagrams.

Warranty

Parts warranty up to 1500 hours or a year of operation whichever comes first. Please contact us for full details on warranty cover.

**All specifications are subject to change without notice.*