



## 100 KVA DIESEL GENERATOR

### FEATURES & BENEFITS

- Maximum 110 kVA, 380V, 1500RPM
- Constant voltage AVR (Automatic Voltage Regulator)
- 24 Volt Electric Starter
- 220 Litre Fuel Tank, 15 Hours @ 75% load
- Silent Version ( $\pm 72$ dBa)
- Four cylinder, vertical, water cooled Diesel Engine
- Three Phase Output
- ComAp AMF25 Digital Control Panel
- Low oil pressure system
- Low water cut out engine protection



| GENERAL DATA                   |             |
|--------------------------------|-------------|
| <b>Model:</b>                  | BPD100S3    |
| <b>Prime Power (P.R.P):</b>    | 100 kVA     |
| <b>Stand-by Power (L.T.P):</b> | 110 kVA     |
| <b>Amps:</b>                   | 167 A       |
| <b>Power Factor / COS:</b>     | 0.8         |
| <b>Frequency:</b>              | 50 Hz       |
| <b>Voltage:</b>                | 380 V       |
| <b>Phases:</b>                 | Three Phase |
| <b>Engine Speed:</b>           | 1500 RPM    |
| <b>Length:</b>                 | 2700 mm     |
| <b>Width:</b>                  | 1050 mm     |
| <b>Height:</b>                 | 1450 mm     |
| <b>Weight:</b>                 | 1650 kg's   |
| <b>Tank Capacity:</b>          | 220 l       |

| ENGINE DATA                  |                                                     |
|------------------------------|-----------------------------------------------------|
| <b>Brand:</b>                | SDEC                                                |
| <b>Model:</b>                | 4HTAA4.3-G11                                        |
| <b>Type:</b>                 | Four cylinder, vertical, water cooled Diesel Engine |
| <b>Starting System:</b>      | 24 Volt Electric Starter                            |
| <b>Auto-Decompression:</b>   | Yes                                                 |
| <b>Cubic Capacity (l):</b>   | 4.3                                                 |
| <b>Compression Ratio:</b>    | 16:1                                                |
| <b>Rated Power (kW/RPM):</b> | 95 / 1500                                           |
| <b>Fuel Type:</b>            | Diesel                                              |
| <b>Lube Oil:</b>             | L-ECD grade or 15W40                                |
| <b>Low Pressure Alert:</b>   | Yes                                                 |
| <b>Low Fuel Cut Out:</b>     | Yes                                                 |

| ADDITIONAL                     |                      |
|--------------------------------|----------------------|
| <b>Running Time:</b>           |                      |
| <b>Structure Type:</b>         | Silent               |
| <b>Noise Level (7m):</b>       | 72 dBA               |
| <b>Auto Voltage Regulator:</b> | Constant voltage AVR |
| <b>ISO9001 Certified:</b>      | Yes                  |
| <b>CE Certified:</b>           | Yes                  |
| <b>Fuel Cons. @ 100% Load:</b> | 18.8                 |
| <b>Fuel Cons. @ 75% Load:</b>  | 14.1                 |
| <b>Fuel Cons. @ 50% Load:</b>  | 9.4                  |

| CONTROL PANEL               |                       |
|-----------------------------|-----------------------|
| <b>Model:</b>               | ComAp AMF25           |
| <b>Type:</b>                | Digital Control Panel |
| <b>Analogue Inputs:</b>     | 2                     |
| <b>Mains Phase Voltage:</b> | Yes                   |
| <b>Mains Line Voltage:</b>  | Yes                   |

| ALTERNATOR              |                 |
|-------------------------|-----------------|
| <b>Model:</b>           | DPC274C         |
| <b>Pole Number:</b>     | 4               |
| <b>Excitation Mode:</b> | Self Excitation |

\* Specs subject to change without prior notice.

\* Measurements based on ISO8528-1 Standards

\* All rating at Sea Level, 25°C Ambient Temp.