

## OUTPUT RATINGS

| Model               |             | ETT-7.5E | ETT-7.5E3 | ETT-8.5E | ETT-8.5E3 | ETT-10E3 | ETT-12E  | ETT-12E3 | ETT-13.5E3 | ETT-16E  | ETT-16E3 |
|---------------------|-------------|----------|-----------|----------|-----------|----------|----------|----------|------------|----------|----------|
| Standby Power (ESP) | kVA         | 7,5      | 7,5       | 8,5      | 8,5       | 10       | 12       | 12       | 13         | 16       | 16       |
| Prime Power (PRP)   | kVA         | 7        | 7         | 8        | 8         | 9        | 11       | 11       | 12         | 15       | 15       |
| Current (ESP)       | A           | 32       | 11        | 36       | 12        | 14       | 52       | 17       | 19,5       | 69       | 23       |
| Voltage - Frequency | V - Hz      | 230 - 50 | 400 - 50  | 230 - 50 | 400 - 50  | 400 - 50 | 230 - 50 | 400 - 50 | 400 - 50   | 230 - 50 | 400 - 50 |
| Phase Qty - P.F.    | Unit - Cosφ | 1 - 1    | 3 - 0,8   | 1 - 1    | 3 - 0,8   | 3 - 0,8  | 1 - 1    | 3 - 0,8  | 3 - 0,8    | 1 - 1    | 3 - 0,8  |

## ENGINE

|                         |           |                      |     |     |     |     |                      |     |     |     |     |
|-------------------------|-----------|----------------------|-----|-----|-----|-----|----------------------|-----|-----|-----|-----|
| Engine Make & Model     | ETT       | E190FE               |     |     |     |     | E292FE               |     |     |     |     |
| Engine Mechanical Prime | kW / (HP) | 8 / 11               |     |     |     |     | 16,5 / 22,4          |     |     |     |     |
| Ventilation and cooling |           | Natural & Air Cooled |     |     |     |     | Natural & Oil Cooled |     |     |     |     |
| Cylinder Volume         | CM3       | 477                  |     |     |     |     | 997                  |     |     |     |     |
| Cylinder Quantity       |           | 1 / Line             |     |     |     |     | 2 / Line             |     |     |     |     |
| Bore & Stroke           | MM x MM   | 90 x 75              |     |     |     |     | 92 x 75              |     |     |     |     |
| Compression Ratio       |           | 19:01                |     |     |     |     | 19:01                |     |     |     |     |
| Governing Type          |           | Mechanical           |     |     |     |     | Mechanical           |     |     |     |     |
| Engine Speed            | RPM       | 3000                 |     |     |     |     | 3000                 |     |     |     |     |
| Starting Method         |           | Electrical & Rope    |     |     |     |     | Electrical & Rope    |     |     |     |     |
| Electrical System       | V DC      | 12                   |     |     |     |     | 12                   |     |     |     |     |
| Oil Capacity            | L         | 1,65                 |     |     |     |     | 2,75                 |     |     |     |     |
| Fuel Consumption        | L / H     | 1,1                  | 1,1 | 1,3 | 1,3 | 1,5 | 4,1                  | 4,1 | 4,5 | 4,9 | 4,9 |
| Fuel Tank Capacity      | L         | 12,5                 |     |     |     |     | 12,5                 |     |     |     |     |

## ALTERNATOR

|                         |        |                            |          |          |          |          |                            |          |          |          |          |
|-------------------------|--------|----------------------------|----------|----------|----------|----------|----------------------------|----------|----------|----------|----------|
| Alternator Make & Model |        | Nsm Saccordo or Sincro     |          |          |          |          | Nsm Saccordo or Sincro     |          |          |          |          |
| Alternator Type         |        | Electronic AVR - Brushless |          |          |          |          | Electronic AVR - Brushless |          |          |          |          |
| Standby Power (ESP)     | kVA    | 7,5                        | 7,5      | 8,5      | 8,5      | 10       | 12                         | 12       | 13,5     | 17       | 17       |
| Voltage - Frequency     | V - Hz | 230 - 50                   | 400 - 50 | 230 - 50 | 400 - 50 | 400 - 50 | 230 - 50                   | 400 - 50 | 400 - 50 | 230 - 50 | 400 - 50 |
| Voltage Regulation      |        | +/- 1.5                    |          |          |          |          | +/- 1.5                    |          |          |          |          |
| Insulation / Protection | %      | H / IP 23                  |          |          |          |          | H / IP 23                  |          |          |          |          |
| Pole Quantity           |        | 2                          |          |          |          |          | 2                          |          |          |          |          |

## DIMENSIONS AND WEIGHTS

|               |             |             |     |     |     |     |              |     |     |     |     |
|---------------|-------------|-------------|-----|-----|-----|-----|--------------|-----|-----|-----|-----|
| Open Type     | LxWxH - MM. | 870x510x730 |     |     |     |     | 1050x630x710 |     |     |     |     |
| Weight        | KG.         | 110         | 110 | 120 | 120 | 125 | 150          | 150 | 170 | 180 | 180 |
| Canopied Type | LxWxH - MM. | 900x520x740 |     |     |     |     | 1100x630x750 |     |     |     |     |
| Weight        | KG.         | 135         | 135 | 145 | 145 | 150 | 200          | 200 | 220 | 230 | 230 |

**Standby Power (ESP):** Emergency power under varying electrical load. Overload is not permit **Prime Power (PRP):** Nominal power under varying electrical load for unlimited hours. 10 % overload is available for a period of 1 hour within 12 hours.