

# Master Info

- 1 - All motors are Permanent Magnets AC, high efficiency, IP65
- 2 - Intermittent kW: S3 10% - 10' (1 minute at intermittent power then reduced for 9 minutes power to return to stable temperature)
- 3 - Battery: 48V, 96V and 144V can be of any chemistry and brand; 288V and 384V need to be Transfluid's battery.

| BATTERY | max [Vdc] | min [Vdc] |
|---------|-----------|-----------|
| 48      | 61        | 44        |
| 96      | 115       | 82        |
| 144     | 169       | 121       |
| 288     | 346       | 247       |
| 384     | 462       | 330       |

To evaluate the battery characteristics in case of customer's supply please use the following formula giving the max (A) current required by Transfluid's motors:

$$I (A) = \frac{kW \times 1000}{V} \times 2$$

#### 4 - RATINGS:

- Cruising speed: 70% of rated motor rpm
- Light Duty: air cooled motor, up to 200 hours/year, intermittent kW allowed
- Medium Duty: air cooled motor, up to 500 hours/year, only nominal kW allowed
- Medium Duty: liquid cooled motor, up to 1000 hours/year, intermittent kW allowed
- Heavy Duty: liquid cooled motor, up to 3000 hours per year, intermittent kW allowed, max 80% of time at rated rpm and load

- 5 - Separate thrust bearing is recommended above 20 kW

# DriveMaster

## Air Cooled

#### Including:

- Motor with mounting brackets and silent blocks
- Motor with integrated thrust bearing
- Vector control inverter IP65
- NMEA2000 compatible (Apply Transfluid)
- Main switch and main fuse
- DC-DC converter 12 Vdc
- 5m cable for display, lever, key
- Quick install / easy connect / plug and play



#### Light & Medium Duty

| PRODUCT CODE | DESCRIPTION     | MOTOR SIZE | NOMINAL kW | INTERMITTENT kW | BATTERY Vdc | MOTOR rpm |
|--------------|-----------------|------------|------------|-----------------|-------------|-----------|
| BV101489A    | DriveMaster 2A  | 180-4      | 1.5        | 2               | 48          | 1500      |
| BV100854A    | DriveMaster 5A  | 180-8      | 4          | 5               | 48          | 1500      |
| BV101529A    | DriveMaster 7A  | 180-12     | 5          | 7               | 48          | 1500      |
| BV101808A    | DriveMaster 10A | 220-20     | 8          | 10              | 48          | 1500      |
| BV102008A    | DriveMaster 8A  | 180-12     | 6          | 8               | 96          | 1500      |
| BV102015A    | DriveMaster 15A | 220-20     | 10         | 15              | 96          | 1500      |
| BV101288A    | DriveMaster 25A | 220-35     | 20         | 25              | 144         | 1500      |
| BV102035A    | DriveMaster 35A | 300-50     | 30         | 35              | 144         | 1500      |
| BV102050A    | DriveMaster 50A | 300-75     | 40         | 50              | 144         | 1500      |

# DriveMaster

## Liquid Cooled

### Including:

- Motor with mounting brackets and silent blocks
- Motor with integrated thrust bearing
- Vector control inverter IP65
- NMEA2000 compatible (Apply Transfluid)
- Main switch and main fuse
- DC-DC converter 12 Vdc
- 5m cable for display, lever, key
- Quick install / easy connect / plug and play
- Inlet and outlet liquid connections



### Medium & Heavy Duty

| PRODUCT CODE | DESCRIPTION         | MOTOR SIZE | NOMINAL<br>kW | INTERMITTENT<br>kW | BATTERY<br>Vdc | MOTOR<br>rpm |
|--------------|---------------------|------------|---------------|--------------------|----------------|--------------|
| BV101608W    | DriveMaster 3W      | 180-4      | 2.5           | 3                  | 48             | 1500         |
| BV100854W    | DriveMaster 7W      | 180-8      | 5             | 7                  | 48             | 1500         |
| BV100808W    | DriveMaster 10W     | 180-12     | 8             | 10                 | 48             | 1500         |
| BV100810W    | DriveMaster 15W     | 220-20     | 10            | 15                 | 48             | 1500         |
| BV101610W    | DriveMaster 20W EVO | 220-20 (*) | 15            | 20                 | 48             | 1500         |
| BV100812W    | DriveMaster 20W     | 220-20     | 15            | 20                 | 96             | 1500         |
| BV101288W    | DriveMaster 30W     | 220-35     | 25            | 30                 | 144            | 1500         |
| BV101642W    | DriveMaster 45W     | 300-50     | 35            | 45                 | 144            | 1500         |
| BV101580W    | DriveMaster 55W     | 300-75     | 45            | 55                 | 144            | 1500         |

(\*) Special



• Complete the scope of supply by adding control throttle, display, cooling kit, coupling, shaft with propeller