

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 to return to stable temperature)
- 3 - Batteries can be of any chemistry and brand.

TF BATTERY	min [Vdc]	max [Vdc]
51	44	59
102	88	118
140	121	162
307	264	355
409	352	473

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 - For Torque calculation use the formula:

$$T (Nm) = \frac{kW}{rpm} \times 9550$$

DriveMaster

Permanent magnet motors for installation on shaft lines; available with air or liquid cooling. Maximum efficiency, silent and compact solution. Regeneration via dragged propeller possible.

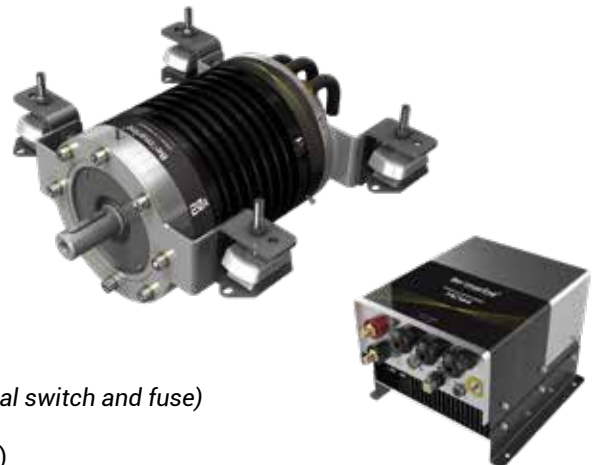
Air Cooled

Including:

- Motor with mounting brackets and silent blocks
- Motor with integrated thrust bearing (max 20kW)
- Vector control inverter IP65
- Precharge circuit
- DC-DC converter 12 Vdc
- 5m cable for display, lever, key
- Quick install / easy connect / plug and play
- key panel (OFF-ON-ECO)

Optional:

- Main switch and main fuse (Only for 48/96/144Vdc battery w/o internal switch and fuse)
- TF display NMEA2000
- Drop box DP280 (ratio i= 1.59 - 2.01 - 2.41 - 2.87 - 3.35 - 3.97 - 5.01)
- Regeneration kit (Cable + key panel ON-OFF)



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 (51)	1500
BV100854A	DriveMaster 5A	180-8	4	5		
BV101529A	DriveMaster 7A	180-12	5	7		
BV101808A	DriveMaster 10A	220-20	8	10	96 (102)	1500
BV102008A	DriveMaster 8A	180-12	6	8		
BV102015A	DriveMaster 15A	220-20	10	15		
BV101288A	DriveMaster 25A	220-35	20	25	144 (140)	1500
BV102035A	DriveMaster 35A	300-50	30	35		
BV102050A	DriveMaster 50A	300-75	40	50		

() Transfluid battery

- Complete the scope of supply with accessories from p. 19



DriveMaster

Liquid Cooled

Including:

- Motor with mounting brackets and silent blocks
- Motor with integrated thrust bearing (max 20kW)
- Vector control inverter IP65
- Precharge circuit
- DC-DC converter 12 Vdc
- 5m cable for display, lever, key
- Quick install / easy connect / plug and play
- Inlet and outlet liquid connections
- key panel (OFF-ON-ECO)

Optional:

- Main switch and main fuse (Only for 48/96/144Vdc battery w/o internal switch and fuse)
- TF display NMEA2000
- Drop box DP280 (ratio $i = 1.59 - 2.01 - 2.41 - 2.87 - 3.35 - 3.97 - 5.01$)
- Regeneration kit (Cable + key panel ON-OFF)



Medium & Heavy Duty

PRODUCT CODE	DESCRIPTION	MOTOR SIZE	Medium & Heavy Duty		BATTERY Vdc	MOTOR rpm
			NOMINAL kW	INTERMITTENT kW		
BV101608W	DriveMaster 3W	180-4	2.5	3	48 (51)	1500
BV100854W	DriveMaster 7W	180-8	5	7		
BV100808W	DriveMaster 10W	180-12	8	10		
BV100810W	DriveMaster 15W	220-20	10	15		
BV101610W	DriveMaster 20W EVO	220-20 (s)	15	20	96 (102)	1500
BV100812W	DriveMaster 20W	220-20	15	20		
BV101288W	DriveMaster 30W	220-35	25	30	144 (140)	
BV101642W	DriveMaster 45W	300-50	35	45		
BV101580W	DriveMaster 55W	300-75	45	55		

(s) Special
() Transfluid battery

• Complete the scope of supply with accessories from p. 19