

TorqueMaster

Permanent magnet motors with a mechanical reducer in various gear ratios; available with air or liquid cooling. A compact solution designed to couple to any propeller.

Air Cooled

reduction ratio $i = 1.59 - 2.01 - 2.41 - 2.87 - 3.35 - 3.97 - 5.01$

Propeller rpm = motor rpm/i

Including:

- Motor with mounting brackets and silent blocks
- Drop Box with integrated thrust bearing - 225 mm offset
- Vector control inverter IP65
- Main switch and main fuse
- DC-DC converter 12 Vdc
- 1,5m cable for display, lever, key
- Quick install / easy connect / plug and play
- Dropbox aluminum made - no cooling needed - low noise and low vibration
- Oil temperature sensor
- Elastic coupling between motor and Dropbox
- DIN120 output (SAE 1410 upon request) - "U" drive possible

Optional:

- NMEA2000 compatible (upon request)
- Regeneration kit



Light & Medium Duty

PRODUCT CODE	DESCRIPTION	MOTOR SIZE	NOMINAL kW	INTERMITTENT kW	BATTERY Vdc	MOTOR rpm
BV101716A ...	TorqueMaster 20A	220-20	15	20	96	3000
BV102025A ...	TorqueMaster 25A	220-20	20	25	144	3000

(...) According to reduction ratio

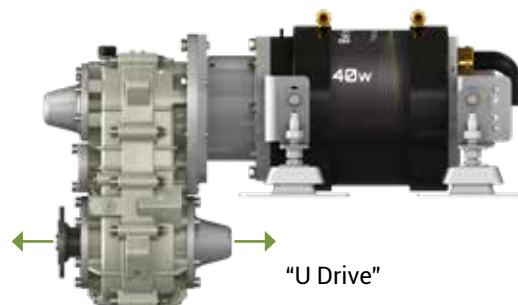
Liquid Cooled

reduction ratio $i = 1.59 - 2.01 - 2.41 - 2.87 - 3.35 - 3.97 - 5.01$

Propeller rpm = motor rpm/i

Including:

- As above
- Inlet and outlet liquid connections
- For 288/384V systems - Throttle lever TFC



Medium & Heavy Duty

PRODUCT CODE	DESCRIPTION	MOTOR SIZE	NOMINAL kW	INTERMITTENT kW	BATTERY Vdc	MOTOR rpm
BV101740W ...	TorqueMaster 20W EVO (*)	220-20 (*)	15	20	48	1500
BV101716W ...	TorqueMaster 25W	220-20	20	25	96	3000
BV101717W ...	TorqueMaster 35W	220-20	30	35	144	3000
BV102045W ...	TorqueMaster 45W	220-35	35	45	288	3000
BV102065W ...	TorqueMaster 65W	300-50	50	65	288	3000
BV102100W ...	TorqueMaster 100W	300-75	75	100	288	3000
BV102130W ...	TorqueMaster 130W	300-75	100	130	384	3000

(...) According to reduction ratio

(*) Special

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