

# ShaftMaster

Permanent magnet motors with powershift marine gear with various gears ratios;  
Liquid-cooled. Solution designed for commercial applications with a high number of reversals,  
PTO up to 3000rpm.

## Liquid Cooled

Reduction ratio  $i = 1.40 - 1.88 - 2.25 - 2.75$

Propeller rpm = motor rpm/i

### Including:

- Mounting brackets and silent blocks
- Live PTO available
- Marine gear with integrated thrust bearing (up to 130 kW)
- Oil temperature sensor
- Output offset 103 mm
- Elastic coupling between motor and transmission
- Vector control inverter IP65
- Precharge circuit
- DC-DC converter 12/24 Vdc
- For 48/96/144Vdc systems, 5m cable for display, lever, key
- Quick install / easy connect / plug and play
- Inlet and outlet liquid connections
- Throttle lever (TFC)
- Self priming pump (mechanical) mounted aboard
- Oil-water cooler mounted aboard
- Closed loop liquid cooling mounted aboard
- For 288/384V(307/409V) systems - Electric box (500x500mm) and wiring
- Key panel (OFF-ON-ECO) / For 288/384V(307/409V) key panel (OFF-ON)
- TF Easy display NMEA2000 ( only for 45W-65W-100W-130W)

### Optional:

- Main switch and main fuse (Only for 48/96/144Vdc battery w/o internal switch and fuse)
- Drop box DP280 (ratio  $i = 1.59 - 2.01 - 2.41 - 2.87 - 3.35 - 3.97 - 5.01$ )



### Medium & Heavy Duty

PRODUCT CODE	DESCRIPTION	MOTOR SIZE	NOMINAL kW	INTERMITTENT kW	BATTERY Vdc	MOTOR rpm
BV230025W ...	ShaftMaster 25W	220-20	20	25	96 (102)	3000
BV230035W ...	ShaftMaster 35W	220-20	30	35	144 (140)	
BV230045W ...	ShaftMaster 45W	220-35	35	45	288 (307)	
BV230065W ...	ShaftMaster 65W	300-50	50	65		
BV230100W ...	ShaftMaster 100W	300-75	75	100		
BV230130W ...	ShaftMaster 130W	300-75	100	130	384 (409)	

(...) According to reduction ratio

() Transfluid battery

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