

Product Operation Data

EMP80

	Speed (km/h)	Range (km)	Runtime (hours)
Slow speed	2.0 – 3.0	50.0 – 75.0	25:00
Half throttle	5.0 – 6.5	29.0 – 37.0	5:50
Full throttle	7.0 – 9.0	19.0 – 25.0	2:50

use 2X12V/100Ah batteries

Dinghies, sailboats up to 1.0 ton

EMP100

	Speed (km/h)	Range (km)	Runtime (hours)
Slow speed	2.0 – 3.0	60.0 – 90.0	30:00
Half throttle	5.5 – 7.0	28.0 – 36.0	5:10
Full throttle	7.5 – 9.5	17.0 – 22.0	2:20

use 2X12V/120Ah batteries or 4X12V/60Ah batteries

Dinghies, sailboats up to 1.5 tons

EMP120

	Speed (km/h)	Range (km)	Runtime (hours)
Slow speed	2.0 – 3.0	90.0 – 135.0	45:00
Half throttle	6.0 – 7.5	36.0 – 45.0	6:00
Full throttle	8.0 – 10.0	20.0 – 25.0	2:30

use 2X12V/180Ah batteries or 4X12V/90Ah batteries

Dinghies, sailboats up to 2.0 tons

EMP140

	Speed (km/h)	Range (km)	Runtime (hours)
Slow speed	2.0 – 3.0	90.0 – 135.0	45:00
Half throttle	6.5 – 8.0	29.0 – 36.0	4:30
Full throttle	8.5 – 10.5	17.5 – 22.0	2:00

use 2X12V/180Ah batteries or 4X12V/90Ah batteries

Dinghies, sailboats up to 2.5 tons

EMP160

	Speed (km/h)	Range (km)	Runtime (hours)
Slow speed	2.0 – 3.0	100.0 – 150.0	50:00
Half throttle	7.0 – 8.5	26.5 – 32.0	3:50
Full throttle	9.0 – 11.0	15.5 – 19.0	1:45

use 4X12V/100Ah batteries

Dinghies, sailboats up to 3.0 tons

Note: Above test data is for reference only, as ship's size, shape, weight and wind speed, and flow can affect results.