

## Product Technical Data

Model	EMP80		EMP100		EMP120		EMP140		EMP160
Input power (w)	735		1100		1470		1830		2200
Propulsion power (w)	480		715		1000		1208		1430
Comparable petrol outboards (propulsive power)	2HP		3HP		4HP		5HP		7HP
Comparable petrol outboards (thrust)	3HP		4HP		5HP		6HP		8HP
Efficiency at max. power (%)	65		65		68		65		63
Max efficiency (%)	≥83		≥83		≥85		≥83		≥80
Static thrust (lbs)	80		100		120		140		160
Voltage (V)	12	24	24	48	24	48	24	48	48
Max current (A)	60	30	45	22.5	60	30	77	38.5	50
Max propeller speed (rpm)	1100		1200		1350		1450		1600
Speeds (FWD/REV)	Variable								
Total weight (kg)	8.0		9.0		10.0		11.0		12.0
Shaft length (cm)	100/Customizable								
Control	Tilt/Extendable Tiller								
Battery gauge	Yes								
Overheat protection	Yes								
Low-voltage protection	Yes								
Stall protection	Yes								
Start protection	Yes								
Reverse connection protection	Yes								