

Marine Auxiliary Engine Range

Model	Speed (rpm)	Frequency (Hz)	Prime Power 100%			Typical generator efficiency	Typical power factor	110% Power			Number of cylinders	Aspiration	Displacement (litres)	Comp. ratio	Dimension - mm (inches)			Wet weight Kg (lbs)	Emissions capability			
			Mechanical		Electrical			Mechanical		Electrical					Length	Width	Height		IMO 2	EPA Tier 3	CHINA II	EUV
			kWm	kWe	kVa			kWm	kWe	kVa												
E70B (Fixed Speed)	1800	60	218.6	200	250	90	0.8	240.5	220	275	6	TA	7.1	16.5	1368 (53.5)	836 (32.9)	1132 (44.5)	759 (1673)	*✓	✓	✓	*NC
	1500	50	164	150	188			180.4	165	206.8					*✓	✓	✓	*NC				
E70B (Variable Speed)	2400	N/A	186	N/A	N/A	90	0.8	204.6	N/A	N/A	6	TA	7.1	16.5	1368 (53.5)	836 (32.9)	1132 (44.5)	759 (1673)	*✓	✓	NC	*NC
E44	1800	60	129	118	148	90	0.8	142	129.8	162.8	4	TA	4.4	16.5	856 (33.7)	814 (32)	1038 (40.8)	579 (1276)	NST	✓	✓	✓
	1500	50	108.6	99	124			119.4	108.9	136.4					✓	✓	✓					
E44	1800	60	71.1	65	81.3	90	0.8	78.2	71.5	89.4	4	T	4.4	16.5	856 (33.7)	814 (32)	1038 (40.8)	545 (1201)	NST	✓	NC	✓
	1500	50																		✓		✓
4.4TW2GM	1800	60	106.8	96.1	120.2	90	0.8	117.5	105.8	132.2	4	TA	4.4	19:3	844 (33.2)	754 (29.7)	1272 (50)	522 (1151)	NST	NC	NC	NC
	1500	50	93.6	84.2	105.3			103.0	92.7	115.9					NST	NC	NC	NC				
4.4TWGM	1800	60	82.7	74.4	93.0	90	0.8	91.0	81.9	102.4	4	TA	4.4	19:3	844 (33.2)	754 (29.7)	1272 (50)	522 (1151)	NST	NC	NC	NC
	1500	50	75.0	67.5	84.4			82.5	74.3	92.8					NST	NC	NC	NC				
4.4TGM	1800	60	63.6	57.2	71.6	90	0.8	70.0	63.0	78.8	4	T	4.4	19:3	844 (33.2)	688 (27)	920 (36.2)	505 (1113)	NST	NC	NC	NC
	1500	50	56.4	50.8	63.5			62.0	55.8	69.8					NST	NC	NC	NC				
4.4GM	1800	60	49.1	44.2	55.2	90	0.8	54.0	48.6	60.5	4	NA	4.4	18:23	844 (33.2)	691 (27.2)	875 (34.4)	489 (1078)	NST	NC	NC	NC
	1500	50	42.7	38.4	48.0			47.0	42.3	52.9					NST	NC	NC	NC				
422TGM	1800	60	30.3	27.2	34.1	90	0.8	33.3	30.0	37.5	4	T	2.2	23:3	649 (25.5)	551 (21.7)	734 (29)	285 (628)	NST	✓	NC	NC
	1500	50	24.5	22.7	28.5			27.7	24.9	31.2					NST	✓	NC	NC				
422GM	1800	60	22.0	19.8	24.8	90	0.8	24.2	21.8	27.2	4	NA	2.2	23:3	691 (27.2)	520 (20.5)	710 (28)	277 (611)	NST	✓	NC	NST
	1500	50	18.4	16.6	20.7			20.2	18.2	22.8					NST	✓	NC	NST				
415GM	1800	60	14.7	13.2	16.5	90	0.8	16.2	14.6	18.2	3	NA	1.5	22:5	595 (23.4)	566 (22.3)	672 (26.5)	213 (469)	NST	✓	NC	NST
	1500	50	12.3	11.1	13.8			13.5	12.2	15.2					NST	✓	NC	NST				

Notes: Electrical ratings are based on typical generator efficiency and are for guidance only. All engine rating data based on operation under BS5514:1996 ISO30461/1:1995 conditions. Performance tolerance quoted by Perkins is ±5%. All ratings quoted are nett.
Prime Power: Power available at variable load in lieu of main power network. An overload of 10% is permitted for one hour every twelve hours of operation.
Standby Power: Power available at variable load in the event of a main power network failure.

NST = Not Subject To
NC = Non Compliant
TA = Inland waterway EU Stage V / U.S EPA Tier 3 Marine / China Tier II
T = Inland waterway EU Stage V / U.S EPA Tier 3 Marine
Notes: ***E70B Fixed Speed** ratings above 130kWm Prime certified to IMO II and not EUV. Ratings below 130kWm Prime are not subject to IMO II but are EUV certified.
E70B Variable Speed rating below 130bWm is not subject to IMO II but is EUV certified.

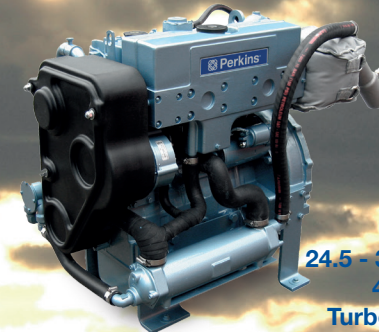
Marine Auxiliary Engine Range



415GM
12.3 - 16.2 kWm
3 Cylinder
Naturally aspirated



422GM
18.4 - 24.2 kWm
4 Cylinder
Naturally aspirated



422TGM
24.5 - 33.3 kWm
4 Cylinder
Turbocharged



4.4GM
42.7 - 54 kWm
4 Cylinder
Naturally aspirated



4.4TGM
56.4 - 70 kWm
4 Cylinder
Turbocharged



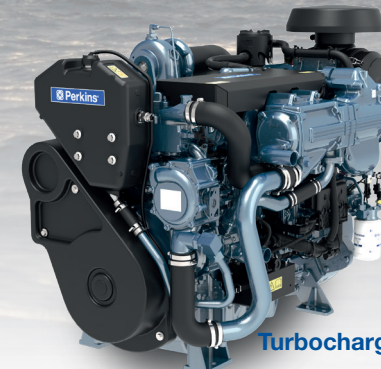
4.4TWGM
75.0 - 91 kWm
4 Cylinder
Turbocharged, air to water
cooled



4.4TW2GM
93.6 - 117.5 kWm
4 Cylinder
Turbocharged, air to water cooled



E44
71.1 - 129 kWm
4 Cylinder
Turbocharged, air to water cooled



E70B
129 - 216 kWm
6 Cylinder
Turbocharged, air to water cooled