

ENGINEERING MANNING SCALES (SAIL)

Area	Rank	Vessel			
		>24 meters <200 GRT <750 KW	>24 Meters 200-500 GRT <1500 KW	>24 Meters 500-1000 GRT <1500 KW	>24Meters 1000-3000 GRT <3000 KW
Up to 60 nm	Chief Engineer	A.E.C. *1	C/ENG (Y4)	C/ENG (Y3)	C/ENG (Y2) *2
	2 nd Engineer	Not Required	Not Required	Not Required	Not Required
Up to 150 nm	Chief Engineer	MEOL (Y) *1	C/ENG (Y3)	C/ENG (Y3)	C/ENG (Y2) *2
	2 nd Engineer	Not Required	Not Required	MEOL (Y) *1	C/ENG (Y3) *2
Over 150 nm	Chief Engineer	MEOL (Y) *1	C/ENG (Y3)	C/ENG (Y3)	C/ENG (Y1) *2
	2 nd Engineer	Not Required	MEOL (Y) *1	MEOL (Y) *1	C/ENG (Y3) *2

Notes:

- *1 Can Be Dual Purpose (Deck/Engine)
 - *2 Over 3000 kW requires A.E.C. appropriate to type and power range
- A.E.C. = approved Engine Course
M.E.O.L. = Marine Engine Operators License
C/ENG = Chief Engineer

ENGINEERING MANNING SCALES (MOTOR)

Area	Rank	Vessel				
		>24 meters <200 GRT <1500 KW	>24 Meters 200-500 GRT <3000 KW	>24 Meters 500-3000 GRT <3000 KW	>24 Meters 500-3000 GRT >3000 KW <6000 KW	>24 Meters 500-3000 GRT >6000 KW <9000 KW
Up to 60 nm	Chief Engineer	A.E.C. *1,3	C/ENG (Y4) *1	C/ENG (Y3)	C/ENG (Y2) *2	C/ENG (Y1)
	2 nd Engineer	Not Required	Not Required	C/ENG (Y4)	C/ENG (Y3) *2	C/ENG (Y3) *2
Up to 150 nm	Chief Engineer	M.E.O.L *1	C/ENG (Y3) *2	C/ENG (Y2)	C/ENG (Y2)	C/ENG (Y1)
	2 nd Engineer	Not Required	Not Required	C/ENG (Y3)	C/ENG (Y3) *2	C/ENG (Y2) *2
Over 150 nm	Chief Engineer	C/ENG (Y4) *1	C/ENG (Y3) *2	C/ENG (Y2)	C/ENG (Y1)	C/ENG (Y1)
	2 nd Engineer	M.E.O.L. (Y)	C/ENG (Y4)	C/ENG (Y3)	C/ENG (Y3) *2	C/ENG (Y1)

Notes:

- *1- >1500 kW Approved Engine Manufacturers Course for Make and Power Range
- *2 >3000 kW Approved Engine Manufacturers Course for Make and Power Range
- *3 Can Be Dual Purpose (Deck/Engineer)