

Test Date: 5-21-25



	RPM	SPEED (kts.)	GPH	NM/G	RANGE (nm)	dBA Helm Deck
Idle	600	5.5	0.7	7.79	2803	76
	800	6.7	1.3	5.15	1855	71
	1000	8.3	2.9	2.84	1024	71
	1200	9.4	6.1	1.55	556	73
	1400	10.8	9.3	1.16	416	75
	1600	13.6	12.0	1.13	407	75
	1800	17.1	15.0	1.14	410	76
	2000	20.6	20.0	1.03	370	77
	2200	23.9	24.0	1.00	359	78
	2400	27.0	29.5	0.91	329	80
WOT	2500	28.3	32.5	0.87	313	82
	2560	29.0	35.0	0.83	298	82

Back Cove 412 - Hull #108

Length Overall: 46'-1"

Beam: 14'-0"

Displacement: 29,500 lbs

Engine: Volvo D11 725mHP

Prop: 28" X 34.5", #5 Cup, MI (0.90 DAR) x 2.25"

bore, RH, 4-blade, NiBrAl

Crew: 2 persons plus tools (approx. 450 lbs)

Fuel: 90% (approx. 360 gal.)

Water: full (approx. 150 gal.)

Bottom: Bottom paint

Weather: Cloudy, wind 5-10 knots

Ambient Air Temp.: 50° F

Seas: < 1-2 ft

Sea Water Temp: 50° F

Comments:

- ❖ Speed measured by GPS. Average of reciprocal runs in Casco Bay, Portland, ME.
- ❖ Fuel Consumption calculated by integral engine fuel flow gauging equipment.
- ❖ Range based on 90% of 400 gal. fuel capacity.
- ❖ Recommended max. continuous cruise speed is @ 2300 RPM.
- ❖ Performance data is subject to change depending on tankage, temperature and other factors.

