

ENGINES VOLVO D3 - 110 CV DIESEL

Type of engine	VOLVO D3-110
Number of engines	1
Type d'inverseur	ZF hs25
Propeller used during trials	18 x 19 RH 3 pales C7

CONDITIONS DURING TEST

VOLVO D3 - 110 CV

Trials carried out on the Merry Fisher 645, therefore results may differ appreciably due to weight variations
Fully fuelled
Fully fitted out

ENGINES YANMAR 4JH4 HTE

Type of engine	VOLVO D3-110
Number of engines	1
Type d'inverseur	KMH4A2,45/1
Total displacement of boat tested	2924 Kg
Propeller used during trials	18 x 19 RH 3 pales C7

CONDITIONS DURING TEST

YANMAR 4JH4 HTE

New hull - Wind 13,5 knts - Short Waves =1,20m - No antifouling
50l Gazoil - 0l water - 2 people on board Safety and mooring equipment
.+ Additionnal weight = 700 Kg

SPEED/FUEL CONSUMPTION TABLE

RPM on instrument panel	VOLVO D3 - 110 hp		YANMAR 110 hp	
	Average speed on the radar in knots	Engine fuel consumption in litres per hour	Average speed on the radar in knots	Engine fuel consumption in litres per hour
700	4,2	1	3,5	
1000	5,4	2	4,5	1,4
1200	5,9	3	4,9	1,8
1400	6,6	4	6,0	2,9
1600	7,0	6	6,2	3,7
1800	7,8	8	6,8	5,1
2000	8,7	9	7,3	6,4
2200	10,4	11	8,2	8,4
2400	13,3	12	8,8	10,0
2600	15,3	14	10,2	11,5
2800	17,4	18	12,2	14,1
3000			15,5	15,8
MAX 3040	20,1	21		
3200			17,8	18,5
MAX 3250			18,2	21,3

Text in bold: Recommended "economical" cruising speed at 80% of maximum power

NB : weather and load state differ noticeably depending on the boats tested