

PERFORMANCE REPORT

Aquador 28 C D6-310



BOAT & ENGINE DATA

Boat type: Aquador 28 C
Manufacturer: Bella Veneet Oy
LOA: 8,8 m
Beam: 3,1 m
LWL:
Engine model: 1 x D6-310
Output: 310,0 Hp
Engine speed: 3500
Drive/rev. gear: DP-H
Gear ratio: 1,76:1
Deadrise angle:

TEST CONDITION

Displacement: 4200 kg (excl. crew)
Weight checked by: Scale
Crew: 3
Fuel: 60 %
Water: 0 %
Propeller type/size: G5
Speed checked by: GPS
Air temp: 5,0 °C
Water temp: 6,0 °C
Sea:
Water: Salt

BOAT TEST

RPM	Speed (kn)	Fuel cons. (l/h)	Fuel cons. (l/nm)
3557	34,8	66,5	1,9
3400	32,3	61,5	1,9
3200	30,8	55,5	1,8
3000	28,4	45,6	1,6
2800	22,6	40,0	1,8
2600	21,6	35,5	1,6
2400	18,6	36,0	1,9
2200	14,8	35,5	2,4

ACCELERATION

Idle to (kn)	Time (sec)
20,0	14,1
25,0	18,1
30,0	24,7

TEST INFORMATION

Performed by: Simo Salo
Test location: Botnia
Test date: 2004-11-11

The results refer to the test boat only. Performance may vary due to weather and load conditions. Any guarantee is a matter between the boat manufacturer and the customer.

PERFORMANCE REPORT

Aquador 28 C
D6-370



BOAT & ENGINE DATA

Boat type: Aquador 28 C
Manufacturer: Bella Veneet Oy
LOA: 8,8 m
Beam: 3,1 m
LWL:
Engine model: 1 x D6-370
Output: 370,0 Hp
Engine speed: 3500
Drive/rev. gear: DP-H
Gear ratio: 1,63:1
Deadrise angle:

TEST CONDITION

Displacement: 4340 kg (excl. crew)
Weight checked by: Scale
Crew: 2
Fuel: 20 %
Water:
Propeller type/size: G5 / DP
Speed checked by: GPS
Air temp: -8,0 °C
Water temp: 0,0 °C
Sea: Medium
Water: Brackish

BOAT TEST

RPM	Speed (kn)	Fuel cons. (l/h)	Fuel cons. (l/nm)	Idle to (kn)	Time (sec)
3617	38,2	78,7	2,1	15,0	5,0
3500	36,8	69,1	1,9	20,0	7,5
3400	35,6	64,9	1,8	25,0	9,5
3200	33,0	55,2	1,7	30,0	12,0
3000	30,8	47,3	1,5		
2800	28,1	40,5	1,4		
2600	27,8	35,6	1,3		
2400	21,7	31,3	1,4		
2200	17,2	27,5	1,6		
2000	12,8	25,6	2,0		

ACCELERATION

TEST INFORMATION

Performed by: Henry Lindfors
Test location: Gulf of Bothnia
Test date: 2007-11-30

The results refer to the test boat only. Performance may vary due to weather and load conditions. Any guarantee is a matter between the boat manufacturer and the customer.



**VOLVO
PENTA**



Cummins MerCruiser Diesel

Boatmodel Aquador 28 C
Boat weight (kg) 4100
Fuel (liter) 150
Water (liter) 0
Persons 3
Total weight (kg) 4500
Engine QSD 4.2 320s
Drive + ratio Bravo 3 X 1.81
Prop 22" cupped

Date 21.9.2007
Location Pietarsaari, Finland
Air temp 11 °C
Wind 7-8 m/s
Water temp 11 °C
Water type Saltwater

RPM	Speed 1 (kn)	Speed 2 (kn)	Speed avg	Fuel 1 l/h*	Fuel 2 l/h*	Fuel avg (l/h)	Fuel l/nm	Noise (db)	Engineroom temp. °C
Idle	3,7	3,5	3,6	1,1	1,1	1,1	0,31	57	42,2
1000	5,5	5,4	5,5	2,2	2,3	2,3	0,41	58	40,0
1500	7,3	7,4	7,4	7,9	7,8	7,9	1,07	63	38,7
2000	8,5	8,2	8,4	18,4	18,4	18,4	2,20	69	29,3
2200	9,6	10,2	9,9	24,4	23,8	24,1	2,43	72	27,1
2400	11,8	12,4	12,1	28,2	28,1	28,2	2,33	72	26,3
2600	13,7	14,2	14,0	33,5	32,2	32,9	2,35	72	24,1
2800	18,6	18,8	18,7	33	33,4	33,2	1,78	74	23,4
3000	23,3	23	23,2	36,8	36	36,4	1,57	75	22,2
3200	24,8	25,8	25,3	41,6	41,6	41,6	1,64	74	22,1
3400	28,7	28,4	28,6	46	46,2	46,1	1,61	76	22,0
3600	30,5	31,1	30,8	52	53,8	52,9	1,72	77	21,9
3800	33,2	33,5	33,4	62,8	63,1	63,0	1,89	77	21,2
WOT (3910 rpm)	34,3	34,6	34,5	66,6	66,1	66,4	1,93	77	20,8

Acceleration**	Time (sec)
0-15 kn	10,49
0-20 kn	13,62
0-25 kn	17,73
0-30 kn	22,35

* Smartcraft fuel consumption readings

** Measured from GPS

