

# PERFORMANCE REPORT

## Aquador 25 WAe D4- 260



### BOAT & ENGINE DATA

**Boat type:** Aquador 25 WAe  
**Manufacturer:** Bella Veneet Oy  
**LOA:** 7,7 m  
**Beam:** 2,8 m  
**LWL:**  
**Engine model:** 1 x D4-260  
**Output:** 260,0 Hp  
**Engine speed:** 3500  
**Drive/rev. gear:** DP-H  
**Gear ratio:** 1,85:1  
**Deadrise angle:**

### TEST CONDITION

**Displacement:** 3350 kg (excl. crew)  
**Weight checked by:** Scale  
**Crew:** 4  
**Fuel:** 80 %  
**Water:**  
**Propeller type/size:** G7 / DP  
**Speed checked by:** GPS  
**Air temp:** 23,0 °C  
**Water temp:** 23,0 °C  
**Sea:** Calm  
**Water:** Fresh

### BOAT TEST

RPM	Speed (kn)	Fuel cons. (l/h)	Fuel cons. (l/nm)
3470	36,0	51,4	1,4
3200	32,3	41,2	1,3
2600	23,2	27,6	1,2
2400	19,6	27,2	1,4
2000	10,4	23,3	2,2
700	4,2	1,3	0,3

### ACCELERATION

Idle to (kn)	Time (sec)
15,0	9,0
20,0	12,9
25,0	15,8
30,0	19,5

### TEST INFORMATION

**Performed by:** HL  
**Test location:** Kuopio  
**Test date:** 2007-08-09

**Company:** Flipper Marin, Stockholm  
**Mail:** christer.rexholt@flippermarin.se  
**Web:** www.flippermarin.se

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**

# PERFORMANCE REPORT

## Aquador 25 WAe D4-300



### BOAT & ENGINE DATA

**Boat type:** Aquador 25 WAe  
**Manufacturer:** Bella Veneet Oy  
**LOA:** 7,7 m  
**Beam:** 2,8 m  
**LWL:**  
**Engine model:** 1 x D4-300  
**Output:** 300,0 Hp  
**Engine speed:** 3500  
**Drive/rev. gear:** DP-H  
**Gear ratio:** 1,76:1  
**Deadrise angle:**

### TEST CONDITION

**Displacement:** 3585 kg (excl. crew)  
**Weight checked by:** Scale  
**Crew:** 3  
**Fuel:** 80 %  
**Water:**  
**Propeller type/size:** G7  
**Speed checked by:** GPS  
**Air temp:** 9,0 °C 12,0 °C  
**Water temp:** Calm Fresh  
**Sea:**  
**Water:**

### BOAT TEST

RPM	Speed (kn)	Fuel cons. (l/h)	Fuel cons. (l/nm)
3450	38,2	56,1	1,5
3200	35,5	46,5	1,3
3000	32,4	40,2	1,2
2800	29,2	34,6	1,2
2600	26,6	32,0	1,2
2400	22,6	27,9	1,2
2200	18,4	25,6	1,4
2000	18,4	25,6	1,4
1500	7,9	13,6	1,7
1000	6,2	4,0	0,7

### ACCELERATION

Idle to (kn)	Time (sec)
15,0	7,9
20,0	10,6
25,0	13,2
30,0	16,0

### TEST INFORMATION

**Performed by:** HL / LÅ  
**Test location:** Kuopio Finland  
**Test date:** 2007-08-28

**Company:** Flipper Marin, Stockholm  
**Mail:** christer.rexholt@flippermarin.se  
**Web:** www.flippermarin.se

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**

# PERFORMANCE REPORT

## Aquador 25 WAe D6-330



### BOAT & ENGINE DATA

**Boat type:** Aquador 25 WAe  
**Manufacturer:** Bella Veneet Oy  
**LOA:** 7,7 m  
**Beam:** 2,8 m  
**LWL:**  
**Engine model:** 1 x D6-330  
**Output:** 330,0 Hp  
**Engine speed:** 3500  
**Drive/rev. gear:** DP-H  
**Gear ratio:** 1,76:1  
**Deadrise angle:**

### TEST CONDITION

**Displacement:** 3460 kg (excl. crew)  
**Weight checked by:** Estimated  
**Crew:** 5  
**Fuel:** 60 %  
**Water:**  
**Propeller type/size:** G7  
**Speed checked by:** GPS  
**Air temp:** 12,0 °C  
**Water temp:** 15,0 °C  
**Sea:** Calm  
**Water:** Fresh

### BOAT TEST

RPM	Speed (kn)	Fuel cons. (l/h)	Fuel cons. (l/nm)
3590	40,0	65,4	1,6
3500	38,6	59,6	1,5
3400	37,2	56,2	1,5
3200	34,7	49,3	1,4
3000	31,9	42,6	1,3
2800	28,8	36,7	1,3
2600	25,6	33,2	1,3
2400	22,0	29,1	1,3
2000	10,7	27,4	2,6
600	3,8	1,0	0,3

### ACCELERATION

Idle to (kn)	Time (sec)
15,0	10,1
20,0	13,3
25,0	15,4
30,0	17,8

### TEST INFORMATION

**Performed by:** HL  
**Test location:** Gulf of Botnia  
**Test date:** 2007-08-28

**Company:** Flipper Marin, Stockholm  
**Mail:** christer.rexholt@flippermarin.se  
**Web:** www.flippermarin.se

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**



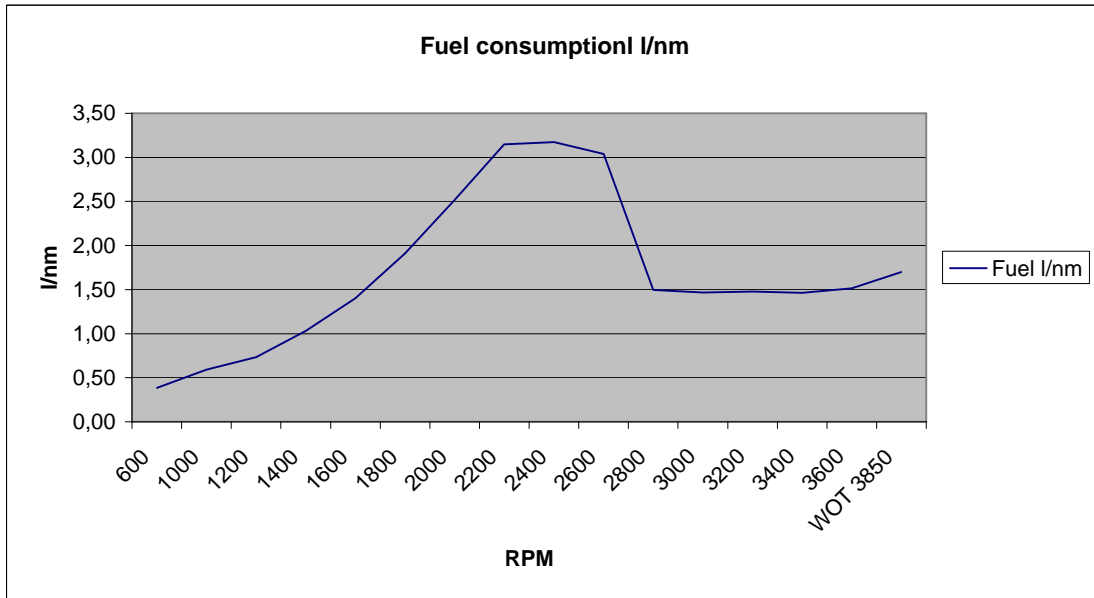
# Cummins MerCruiser Diesel

**Boat** Aquador 25 Wae  
**Engine** QSD 4.2 270s  
**Drive** Bravo 3 X  
**Drive ratio** 1.81  
**Propeller**  
 RH 823666A60  
 LH 823665A60  
**Pitch** 24"  
**Weight**  
 Boat 3330 kg dry  
 Additional load 4 pers, 235 l of fuel and test equipments = 570kg  
**Air temp** +20 C  
**Test date** 15.8.2007  
**Test location** Finland, Kuopio, lake

RPM	Speed (kn)	Fuel l/h*	Fuel l/nm	Noise db**
600	3,3	1,27	0,38	
1000	5,2	3,08	0,59	
1200	6,1	4,48	0,73	
1400	6,8	7,02	1,03	
1600	7,4	10,36	1,40	
1800	8	15,27	1,91	
2000	8,4	21,15	2,52	
2200	8,8	27,7	3,15	
2400	10,4	33	3,17	
2600	12,6	38,3	3,04	
2800	21,8	32,6	1,50	
3000	24,6	36,1	1,47	80
3200	27,8	41,1	1,48	
3400	30,5	44,6	1,46	
3600	33,3	50,4	1,51	
<b>WOT 3850</b>	<b>36,2</b>	<b>61,5</b>	<b>1,70</b>	<b>82</b>

\* Measurements done with a test company flow meter for 3 boating magazines

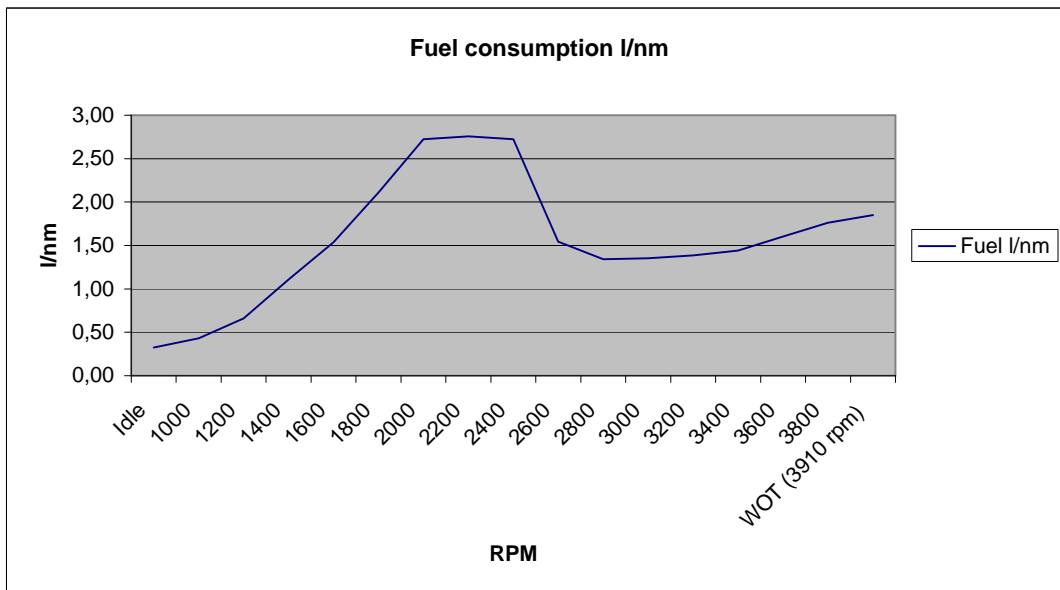
\*\* Measured at driver ear



**Boat** Aquador 25 Wae  
**Engine** QSD 4.2 320s  
**Drive** Bravo 3 X  
**Drive ratio** 1.81  
**Propeller**  
 RH 823668A60  
 LH 823667A60  
**Pitch** 26"  
**Weight**  
 Boat 3230 kg dry  
 Additional load 3 pers, 170 l of fuel and test equipments = 420kg  
**Air temp** +8 C  
**Test date** 9.10.2007  
**Test location** Finland, Kuopio, lake

RPM	Speed 1 (kn)	Speed 2 (kn)	Speed avg	Fuel 1 l/h*	Fuel 2 l/h*	Fuel avg (l/h)	Fuel l/nm
Idle	3,8	2,7	3,3	1	1,1	1,1	0,32
1000	5,6	5,1	5,4	2,3	2,3	2,3	0,43
1200	6,8	6,1	6,5	4,2	4,3	4,3	0,66
1400	7	6,7	6,9	7,6	7,6	7,6	1,11
1600	7,9	7,4	7,7	11,6	11,9	11,8	1,54
1800	8,2	8,1	8,2	17,4	17	17,2	2,11
2000	8,6	8,8	8,7	23,5	23,9	23,7	2,72
2200	10,4	10,3	10,4	28,1	29	28,6	2,76
2400	13,2	12	12,6	34,1	34,5	34,3	2,72
2600	20,4	19,6	20,0	30,1	31,6	30,9	1,54
2800	24,3	23,8	24,1	32,1	32,5	32,3	1,34
3000	26,7	26,9	26,8	35	37,4	36,2	1,35
3200	30,2	29,3	29,8	40,7	41,8	41,3	1,39
3400	32,7	31,7	32,2	44,9	48	46,5	1,44
3600	35,2	33,7	34,5	53,5	57	55,3	1,60
3800	37,7	36,1	36,9	63	67	65,0	1,76
WOT (3910 rpm)	38,9	38,3	38,6	69,7	73	71,4	1,85

\* Consumption readings from CDS





# Cummins MerCruiser Diesel

**Boat** Aquador 25 Wae  
**Engine** QSD 4.2 320s  
**Drive** Bravo 3 X  
**Drive ratio** 1.81  
**Propeller**  
 RH 823668L  
 LH 823667L  
**Pitch** 26" cupped  
**Weight**  
 Boat 3230 kg dry  
 Additional load 4 pers, 150 l of fuel and test equipments = 500kg  
**Air temp** +6 C  
**Test date** 10.10.2007  
**Test location** Finland, Kuopio, lake  
**Notes** Canvas was also on

RPM	Speed 1 (kn)	Speed 2 (kn)	Speed avg	Fuel 1 l/h*	Fuel 2 l/h*	Fuel avg (l/h)	Fuel l/nm	Engine room T
Idle	3,3	3,6	3,5	1	0,9	1,0	0,28	40
1000	5,5	5,6	5,6	2,5	2,6	2,6	0,46	39,1
1400	7,1	7	7,1	7,9	7,6	7,8	1,10	33,5
1800	7,9	8	8,0	17,8	18,7	18,3	2,30	28,6
2200	10,2	10,9	10,6	30,9	30,7	30,8	2,92	23,9
2600	21,9	22,2	22,1	30,8	29,8	30,3	1,37	18,7
3000	28,2	28,5	28,4	38	37,8	37,9	1,34	14
3400	33,6	33,7	33,7	50,3	50,8	50,6	1,50	13,5
3800	38,5	38	38,3	72,2	68,2	70,2	1,84	11,6
WOT (3870 rpm)	38,9	39,5	39,2	72,3	72,4	72,4	1,85	12,1

\* Consumption readings from CDS

