

# SQUADRON 50

## PERFORMANCE DATA

TEST BOAT:	S50-212
LOCATION:	North Sea, UK
ENGINES:	Volvo D6-480 IPS650
FUEL:	Diesel

FUEL LOAD:	100%
WATER LOAD:	100%

DRY WEIGHT:	13,800 kg
TEST WEIGHT:	16,238 kg

SEA TEMP:	19.6°C
AMBIENT TEMP:	18°C

WIND FORCE:	
SEA CONDITIONS:	

FUEL CAPACITY:	
Litres	1,309
US gallons	346

RPM	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3830
Knots	5.6	6.5	7.5	8.6	9.7	10.2	11.9	12.2	12.1	13.9	16.2	18.2	21	22.8	26.3	30.1

FUEL BURN																
Litres/hour	4.68	8.04	11.82	16.8	22.8	33	43.8	59.4	76.2	91.2	106.8	125.4	139.2	156	168.6	192
US gallons/hour	1.24	2.12	3.12	4.44	6	8.72	11.57	15.69	20.13	24	28.21	33.13	36.77	41.21	44.54	50.72

Db at lower helm																
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RANGE																
Kilometers	2016	1361	1068	862	716	521	457	346	267	257	256	245	254	246	262	264
Miles	1253	846	664	536	445	324	284	215	166	160	159	152	158	153	163	164

TEST BOAT:	S50-029
LOCATION:	North Sea, UK
ENGINES:	Volvo D8-550 IPS700
FUEL:	Diesel

FUEL LOAD:	100%
WATER LOAD:	100%

DRY WEIGHT:	13,500 kg
TEST WEIGHT:	15,655 kg

SEA TEMP:	12°C
AMBIENT TEMP:	15°C

WIND FORCE:	
SEA CONDITIONS:	

FUEL CAPACITY:	
Litres	1,309
US gallons	346

RPM	1000	1400	1600	1800	2000	2200	2400	2600	2800	2900	2970
Knots	7.7	10	10.7	11.6	14.3	17.4	21.1	24.7	28	29.4	31.1

FUEL BURN											
Litres/hour	15.6	40.8	57	84	105	126.6	154.8	178.2	197.4	213.6	222
US gallons/hour	4.12	10.78	15.06	22.19	27.74	33.44	40.89	47.08	52.15	56.43	58.65

Db at lower helm											
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RANGE											
Kilometers	830	412	315	232	228	232	228	233	238	232	235
Miles	516	256	196	144	142	144	142	145	148	144	146

