

Yacht Name: HALLBERG-RASSY 42 F

Yacht Class: HR 42 F

IMS rig controls are being applied; Ratings should agree with 91 IMS.

VTW	BTW	VAW	BAW	V	VMG	HEEL	REEF	FLAT	IT
WITH SPINNAKER									
6.0	180.0	3.00	180.0	3.436	-3.036	0.0	1.000	1.000	4
6.0	165.0	3.01	148.8	3.256	-3.145	0.0	1.000	1.000	3
6.0	150.0	3.07	116.2	3.741	-3.240	0.6	1.000	1.000	4
6.0	135.0	3.18	85.8	4.581	-3.239	1.6	1.000	1.000	4
6.0	120.0	3.29	66.5	5.289	-2.644	2.8	1.000	1.000	4
6.0	110.0	3.71	57.5	5.068	-1.939	3.9	1.000	1.000	3
6.0	90.0	3.40	45.5	5.891	0.000	6.8	1.000	1.000	4
6.0	80.0	3.92	41.3	5.652	0.981	7.2	1.000	1.000	3
6.0	70.0	3.14	38.1	5.121	1.752	5.6	1.000	1.000	3
6.0	60.0	3.98	35.5	4.295	2.147	4.1	1.000	1.000	4
6.0	141.6	3.79	97.8	4.212	-3.299	1.1	1.000	1.000	4
WITHOUT SPINNAKER									
6.0	180.0	3.20	180.0	2.674	-2.674	0.0	1.000	1.000	5
6.0	165.0	3.22	151.9	2.833	-2.736	0.0	1.000	1.000	7
6.0	150.0	3.28	127.1	2.865	-2.481	0.0	1.000	1.000	4
6.0	135.0	4.29	104.5	3.083	-2.180	0.7	1.000	1.000	4
6.0	120.0	5.17	79.6	3.874	-1.937	1.1	1.000	1.000	3
6.0	110.0	6.08	55.0	4.577	-1.566	1.7	1.000	1.000	3
6.0	90.0	7.97	47.3	5.404	0.000	3.3	1.000	1.000	3
6.0	80.0	8.70	41.6	5.488	0.953	4.1	1.000	1.000	3
6.0	70.0	9.22	36.6	5.986	1.842	4.7	1.000	1.000	3
6.0	60.0	9.49	32.3	5.084	2.542	5.1	1.000	1.000	4
6.0	52.0	9.47	29.1	4.661	2.870	5.2	1.000	1.000	4
6.0	149.5	3.16	160.3	3.800	-2.753	0.3	1.000	1.000	3
6.0	47.8	9.35	27.6	4.348	2.921	5.1	1.000	1.000	3
6.0	45.0			0.000	VMG (Opt.	BTW greater	than 45	degrees	

VTW	BTW	VAW	BAW	V	VMG	HEEL	REEF	FLAT	IT
WITH SPINNAKER									
8.0	180.0	4.07	180.0	3.981	-3.981	0.0	1.000	1.000	5
8.0	165.0	4.09	149.3	4.264	-4.119	0.4	1.000	1.000	5
8.0	150.0	4.55	117.8	4.848	-4.198	1.0	1.000	1.000	7
8.0	135.0	5.69	89.1	5.788	-4.092	2.4	1.000	1.000	4
8.0	120.0	7.39	70.2	6.525	-3.262	4.4	1.000	1.000	4
8.0	110.0	8.53	61.7	6.798	-2.325	6.9	1.000	1.000	4
8.0	90.0	10.41	48.4	6.911	0.000	14.0	1.000	1.000	3
8.0	80.0	11.13	43.0	6.753	1.173	15.8	1.000	1.000	3
8.0	70.0	11.65	38.9	6.326	2.164	13.8	1.000	1.000	3
8.0	60.0	11.70	35.9	5.458	2.729	9.4	1.000	1.000	4
8.0	144.6	4.86	106.6	5.174	-4.220	1.4	1.000	1.000	6
WITHOUT SPINNAKER									
8.0	180.0	4.33	180.0	3.506	-3.506	0.0	1.000	1.000	4
8.0	165.0	4.36	152.3	3.710	-3.584	0.5	1.000	1.000	4
8.0	150.0	4.96	127.8	3.746	-3.244	0.9	1.000	1.000	4
8.0	135.0	5.75	105.6	3.999	-2.827	1.2	1.000	1.000	3
8.0	120.0	6.85	81.7	4.902	-2.451	1.7	1.000	1.000	3
8.0	110.0	7.92	68.1	5.636	-1.928	2.5	1.000	1.000	3
8.0	90.0	10.18	50.0	6.549	0.000	5.2	1.000	1.000	4
8.0	80.0	11.04	43.7	6.618	1.149	7.7	1.000	1.000	4
8.0	70.0	11.70	38.2	6.522	2.232	10.0	1.000	1.000	3
8.0	60.0	12.10	33.2	6.212	3.106	11.6	1.000	1.000	3
8.0	52.0	12.13	29.9	5.782	3.522	11.8	1.000	1.000	3
8.0	169.6	4.28	160.6	3.667	-3.596	0.4	1.000	1.000	3
8.0	46.7	12.00	27.7	5.270	3.613	11.5	1.000	1.000	4
8.0	45.0			0.000	VMG (Opt.	BTW greater	than 45	degrees	

VTW = Velocity True Wind, knots
 BTW = Bearing To Wind, degrees
 VAW = Velocity Apparent Wind, knots
 BAW = Bearing Apparent Wind
 V = Velocity, knots
 VMG = Velocity Made Good

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VTW	BTW	VAW	BAW	V	VMG	HEEL	REEF	FLAT	IT
WITH SPINNAKER									
10.0	180.0	5.18	180.0	4.889	-4.889	0.0	1.000	1.000	3
10.0	165.0	5.21	150.0	5.209	-5.031	0.6	1.000	1.000	4
10.0	150.0	5.79	119.7	5.844	-5.061	1.4	1.000	1.000	4
10.0	135.0	7.11	93.0	6.749	-4.772	3.2	1.000	1.000	4
10.0	120.0	8.91	75.9	7.205	-3.603	7.0	1.000	1.000	4
10.0	110.0	10.04	67.0	7.353	-2.515	11.5	1.000	1.000	3
10.0	90.0	11.90	51.7	7.381	0.000	20.6	1.000	1.000	3
10.0	80.0	12.68	45.0	7.332	1.256	23.6	1.000	1.000	3
10.0	70.0	13.48	39.8	6.947	2.376	22.6	1.000	1.000	3
10.0	60.0	14.03	36.2	6.319	3.160	17.0	1.000	1.000	3
10.0	147.3	5.96	114.4	6.016	-5.065	1.7	1.000	1.000	6
WITHOUT SPINNAKER									
10.0	180.0	5.47	180.0	4.320	-4.320	0.0	1.000	1.000	4
10.0	165.0	5.51	152.6	4.565	-4.409	0.8	1.000	1.000	4
10.0	150.0	6.25	128.4	4.602	-3.985	1.3	1.000	1.000	4
10.0	135.0	7.22	106.6	4.861	-3.437	1.6	1.000	1.000	3
10.0	120.0	8.52	84.1	5.776	-2.888	2.3	1.000	1.000	3
10.0	110.0	9.71	71.0	6.508	-2.326	3.3	1.000	1.000	3
10.0	90.0	12.01	53.6	7.122	0.000	8.3	1.000	1.000	4
10.0	80.0	12.91	46.7	7.168	1.245	12.3	1.000	1.000	3
10.0	70.0	13.64	40.2	7.086	2.424	15.6	1.000	1.000	3
10.0	60.0	14.18	34.3	6.855	3.427	18.2	1.000	1.000	3
10.0	52.0	14.38	30.1	6.463	3.979	19.4	1.000	1.000	3
10.0	169.7	5.41	161.2	4.510	-4.438	0.6	1.000	1.000	3
10.0	46.5	14.32	27.9	5.972	4.108	18.1	1.000	0.954	4
10.0	45.0			0.000	VMC (Opt. BTW greater than 45 degree				

VTW	BTW	VAW	BAW	V	VMG	HEEL	REEF	FLAT	IT
WITH SPINNAKER									
12.0	180.0	6.34	180.0	5.735	-5.735	0.0	1.000	1.000	3
12.0	165.0	6.39	150.7	6.096	-5.889	0.8	1.000	1.000	4
12.0	150.0	7.12	122.0	6.689	-5.793	1.9	1.000	1.000	3
12.0	135.0	8.61	98.2	7.305	-5.165	4.0	1.000	1.000	4
12.0	120.0	10.38	81.0	7.645	-3.823	10.7	1.000	1.000	4
12.0	110.0	11.42	71.5	7.733	-2.645	16.2	1.000	1.000	3
12.0	90.0	13.11	54.2	7.674	0.000	26.6	1.000	1.000	3
12.0	80.0	14.00	47.0	7.495	1.301	28.8	1.000	0.939	4
12.0	70.0	15.01	41.2	7.238	2.475	27.6	1.000	0.882	4
12.0	60.0	15.83	36.4	6.778	3.389	24.4	1.000	1.000	3
12.0	161.8	6.48	144.3	6.308	-5.896	1.0	1.000	1.000	3
WITHOUT SPINNAKER									
12.0	180.0	6.67	180.0	5.086	-5.086	0.0	1.000	1.000	4
12.0	165.0	6.72	153.1	5.357	-5.175	1.1	1.000	1.000	4
12.0	150.0	7.58	129.2	5.391	-4.539	1.7	1.000	1.000	4
12.0	135.0	8.72	107.8	5.639	-3.987	2.2	1.000	1.000	3
12.0	120.0	10.18	86.4	6.520	-3.260	3.0	1.000	1.000	3
12.0	110.0	11.41	74.8	7.006	-2.396	4.2	1.000	1.000	3
12.0	90.0	13.70	56.9	7.476	0.000	11.6	1.000	1.000	4
12.0	80.0	14.57	49.1	7.510	1.304	16.7	1.000	1.000	3
12.0	70.0	15.28	41.8	7.412	2.535	21.1	1.000	1.000	4
12.0	60.0	15.86	35.1	7.178	3.589	24.6	1.000	1.000	3
12.0	52.0	16.27	30.8	6.835	4.208	24.2	1.000	0.926	4
12.0	170.1	6.60	162.2	5.292	-5.213	0.8	1.000	1.000	3
12.0	44.8	16.40	27.7	6.375	4.452	21.6	1.000	0.831	4
12.0	45.0			0.000					

VTW	BTW	VAW	BAW	V	VMG	HEEL	REEF	FLAT	IT
WITH SPINNAKER									
14.0	180.0	7.58	180.0	6.516	-6.516	0.0	1.000	1.000	3
14.0	165.0	7.71	151.8	6.819	-6.586	1.0	1.000	1.000	4
14.0	150.0	8.62	125.2	7.234	-6.265	2.4	1.000	1.000	3
14.0	135.0	10.17	102.7	7.716	-5.456	5.1	1.000	1.000	4
14.0	120.0	11.80	85.2	7.991	-3.996	14.5	1.000	1.000	4
14.0	110.0	12.67	75.1	8.026	-2.745	20.9	1.000	1.000	3
14.0	90.0	14.15	56.2	7.869	0.000	31.4	1.000	0.978	4
14.0	80.0	15.37	49.1	7.673	1.332	31.2	1.000	0.828	3
14.0	70.0	16.50	42.6	7.420	2.538	30.5	1.000	0.756	3
14.0	60.0	17.52	37.3	7.013	3.507	27.7	1.000	0.832	5
14.0	168.3	7.62	158.0	6.735	-6.596	0.8	1.000	1.000	3
WITHOUT SPINNAKER									
14.0	180.0	7.90	180.0	5.809	-5.809	0.3	1.000	1.000	7
14.0	165.0	7.96	153.5	6.114	-5.906	1.4	1.000	1.000	3
14.0	150.0	8.93	129.9	6.143	-5.320	2.2	1.000	1.000	3
14.0	135.0	10.24	109.0	6.362	-4.498	2.8	1.000	1.000	3
14.0	120.0	11.84	89.4	6.981	-3.491	3.8	1.000	1.000	3
14.0	110.0	13.09	73.3	7.343	-2.511	5.3	1.000	1.000	4
14.0	90.0	15.28	59.5	7.746	0.000	15.0	1.000	1.000	4
14.0	80.0	16.05	50.9	7.759	1.347	21.2	1.000	1.000	3
14.0	70.0	16.69	42.8	7.631	2.610	26.5	1.000	1.000	4
14.0	60.0	17.40	35.9	7.366	3.683	28.8	1.000	0.937	4
14.0	52.0	18.02	31.6	7.049	4.340	27.2	1.000	0.829	3
14.0	170.2	7.83	162.7	6.039	-5.951	1.0	1.000	1.000	3
14.0	43.6	18.33	27.6	6.442	4.675	24.3	1.000	0.727	4
14.0	45.0			0.000					

VTW	BTW	VAW	BAW	V	VMG	HEEL	REEF	FLAT	IT
WITH SPINNAKER									
16.0	180.0	9.03	180.0	7.078	-7.078	0.0	1.000	1.000	3
16.0	165.0	9.24	153.2	7.314	-7.064	1.3	1.000	1.000	4
16.0	150.0	10.21	128.1	7.646	-6.622	2.9	1.000	1.000	3
16.0	135.0	11.76	106.4	8.062	-5.701	7.2	1.000	1.000	4
16.0	120.0	13.19	88.8	8.378	-4.139	18.2	1.000	1.000	4
16.0	110.0	13.79	78.1	8.261	-2.825	25.3	1.000	1.000	3
16.0	90.0	15.38	58.6	8.005	0.000	33.3	1.000	0.881	5
16.0	80.0	16.72	51.0	7.800	1.355	32.8	0.992	0.745	4
16.0	70.0	17.96	44.0	7.543	2.580	32.2	0.987	0.672	4
16.0	60.0	19.12	38.1	7.158	3.579	30.1	0.988	0.718	5
16.0	172.7	9.04	166.9	7.172	-7.114	0.7	1.000	1.000	4
WITHOUT SPINNAKER									
16.0	180.0	9.19	180.0	6.477	-6.477	0.4	1.000	1.000	5
16.0	165.0	9.32	154.2	6.741	-6.511	1.7	1.000	1.000	3
16.0	150.0	10.37	131.0	6.756	-5.851	2.7	1.000	1.000	3
16.0	135.0	11.83	110.8	6.881	-4.866	3.5	1.000	1.000	3
16.0	120.0	13.53	92.2	7.308	-3.654	4.8	1.000	1.000	3
16.0	110.0	14.75	81.2	7.611	-2.603	7.5	1.000	1.000	4
16.0	90.0	16.76	61.6	7.964	0.000	18.4	1.000	1.000	4
16.0	80.0	17.36	52.2	7.950	1.380	25.5	1.000	1.000	3
16.0	70.0	17.89	43.3	7.774	2.659	31.5	1.000	0.988	4
16.0	60.0	18.96	36.9	7.492	3.746	30.9	1.000	0.837	4
16.0	52.0	19.68	32.3	7.185	4.423	29.6	1.000	0.741	3
16.0	171.7	9.13	165.6	6.655	-6.585	1.2	1.000	1.000	3
16.0	42.7	20.18	27.6	6.551	4.816	26.6	1.000	0.641	4
16.0	45.0			0.000					

HR 42F

VW	BTW	VAW	BAW	V	VWC	HEEL	REEF	FLAT	IT
WITH SPINNAKER									
20.0	180.0	12.28	180.0	7.850	-7.850	0.4	1.000	1.000	5
20.0	165.0	12.53	155.4	8.048	-7.774	2.0	1.000	1.000	3
20.0	150.0	13.55	132.2	8.325	-7.210	4.3	1.000	1.000	4
20.0	135.0	14.91	111.8	8.644	-6.112	12.6	1.000	1.000	4
20.0	120.0	15.60	94.4	8.737	-4.368	25.2	1.000	1.000	3
20.0	110.0	15.60	83.0	8.608	-2.944	33.0	1.000	1.000	3
20.0	90.0	17.96	62.8	8.201	0.000	34.1	0.876	0.946	4
20.0	80.0	19.48	54.4	7.985	1.387	33.6	0.870	0.794	4
20.0	70.0	20.90	46.8	7.713	2.638	33.0	0.867	0.693	4
20.0	60.0	22.23	40.1	7.340	3.670	31.4	0.870	0.678	3
20.0	175.1	12.28	171.9	7.899	-7.870	0.9	1.000	1.000	4
WITHOUT SPINNAKER									
20.0	180.0	12.24	180.0	7.344	-7.344	0.7	1.000	1.000	5
20.0	165.0	12.46	156.0	7.537	-7.280	2.6	1.000	1.000	4
20.0	150.0	13.57	134.0	7.533	-6.524	4.2	1.000	1.000	4
20.0	135.0	15.13	114.6	7.549	-5.338	6.0	1.000	1.000	4
20.0	120.0	16.82	96.7	7.800	-3.900	9.3	1.000	1.000	3
20.0	110.0	17.92	85.6	8.034	-2.748	12.9	1.000	1.000	3
20.0	90.0	19.33	64.6	8.293	0.000	25.2	1.000	1.000	3
20.0	80.0	19.42	53.7	8.193	1.423	33.6	0.998	1.000	4
20.0	70.0	20.74	45.9	7.943	2.717	33.2	0.943	0.912	4
20.0	60.0	22.00	38.9	7.644	3.822	32.8	0.947	0.756	5
20.0	52.0	22.90	33.7	7.331	4.514	32.1	0.964	0.641	4
20.0	173.8	12.21	170.0	7.445	-7.401	1.5	1.000	1.000	3
20.0	42.2	23.66	28.1	6.677	4.945	30.2	1.000	0.510	5
20.0	33.0			0.000					

PURE RINGS

6	WW/LW=	1161.9	OLYP=	1089.8	CR=	862.2	LR=	814.6	OC=	1022.7	SEC/MIL
8	WW/LW=	924.8	OLYP=	872.2	CR=	696.4	LR=	663.2	OC=	791.2	SEC/MIL
10	WW/LW=	793.6	OLYP=	756.2	CR=	612.9	LR=	589.7	OC=	682.3	SEC/MIL
12	WW/LW=	709.6	OLYP=	689.6	CR=	564.4	LR=	546.7	OC=	584.6	SEC/MIL
14	WW/LW=	657.9	OLYP=	649.4	CR=	535.3	LR=	519.6	OC=	534.7	SEC/MIL
16	WW/LW=	626.8	OLYP=	624.3	CR=	516.8	LR=	501.6	OC=	502.4	SEC/MIL
20	WW/LW=	592.7	OLYP=	596.7	CR=	494.2	LR=	477.8	OC=	460.3	SEC/MIL

WIND AVERAGED RATINGS

6	WW/LW=	1234.8	OLYP=	1167.8	CR=	933.1	LR=	887.8	OC=	1054.1	SEC/MIL
8	WW/LW=	972.6	OLYP=	926.7	CR=	745.8	LR=	713.3	OC=	824.7	SEC/MIL
10	WW/LW=	825.3	OLYP=	794.2	CR=	644.2	LR=	619.3	OC=	688.5	SEC/MIL
12	WW/LW=	735.2	OLYP=	715.4	CR=	584.6	LR=	564.4	OC=	604.2	SEC/MIL
14	WW/LW=	677.5	OLYP=	666.5	CR=	547.8	LR=	530.2	OC=	549.0	SEC/MIL
16	WW/LW=	639.6	OLYP=	635.1	CR=	524.1	LR=	507.6	OC=	511.0	SEC/MIL
20	WW/LW=	595.2	OLYP=	598.8	CR=	495.5	LR=	478.8	OC=	461.8	SEC/MIL

General Purpose Rating: 665.2