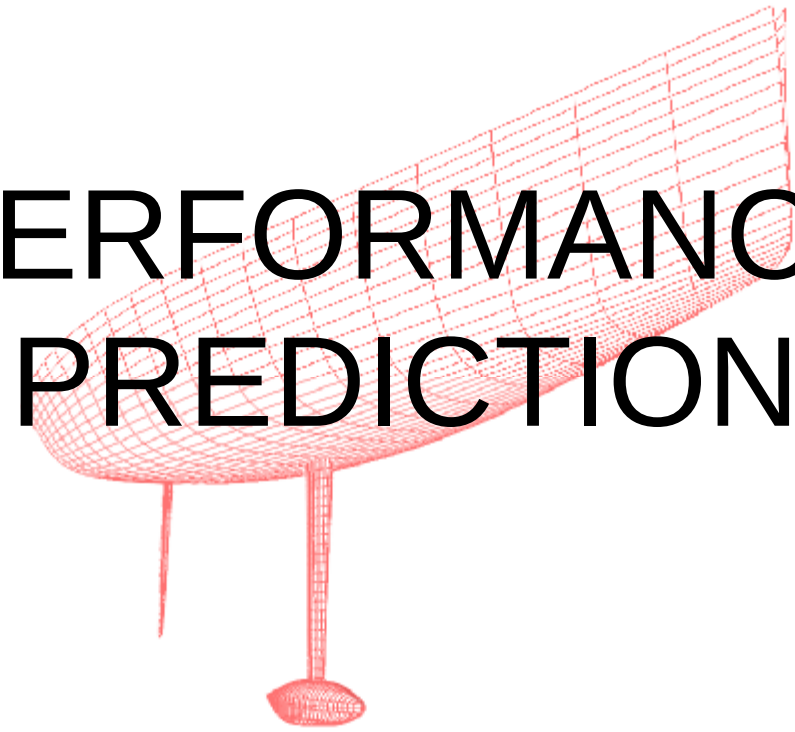
FARR YACHT DESIGN



PERFORMANCE PREDICTION

First 35 Carbon Pack
With 2.3 m Fin Keel/ Carbon mast/
Asymmetric Spinnaker on Retractable Sprit
For
Chantiers Beneteau

Farr Yacht Design, Ltd.
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DESCRIPTION OF SYMBOLS IN VPP OUTPUT

The accompanying document contains a large amount information about the predicted performance of your boat. To allow this document to be used as a valuable racing tool we have prepared the following explanation of the important terms it contains.

General Terms:

Vt or TWS	True Wind Speed
Bt or TWA	True Wind Angle
V or Vs	Boat Speed
VMG	Boat Velocity Made Good
HEEL	Heel Angle
REEF	Measure of Reduction in Sail Area
FLAT	Measure of Reduction in Sail Lift
Va, AWS	Apparent Wind Speed
Ba, AWA	Apparent Wind Angle
Lee	Leeway Angle
Sail	Sail Combination Designator (Upwind or Downwind)
Flot	Flotation Designator (Varies Only For Water Ballasted Boats)

VPP Polar Diagram

This is a graphical representation of the boats performance across a range of windspeeds and true wind directions. Optimal upwind and downwind conditions are marked as small rectangles on the boat speed contours for each windspeed.

Best Boatspeeds

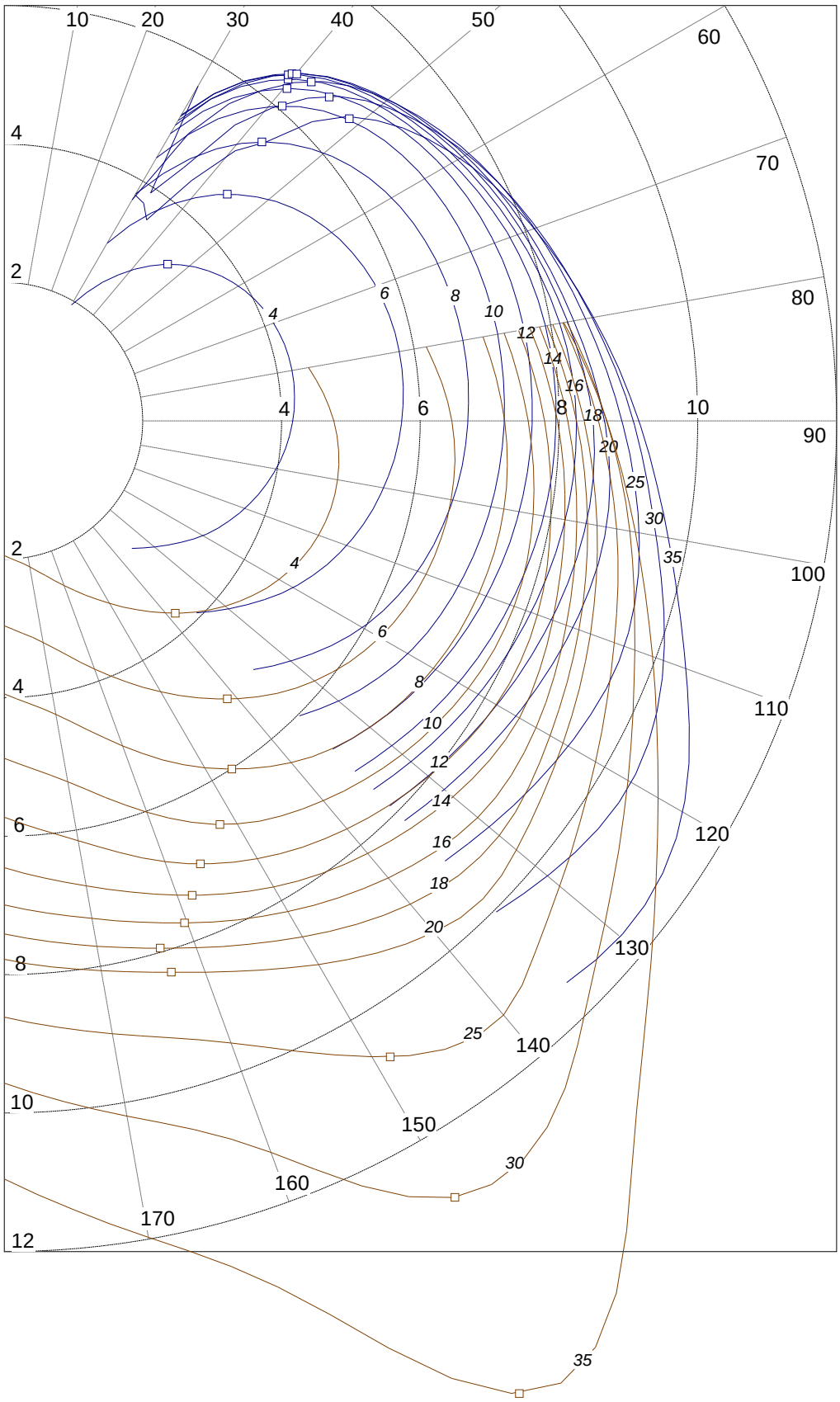
The upper portion of this page gives a numerical representation of the polar diagram. Boatspeeds in knots are given for a series of true windspeeds at masthead height, across a range of true wind angles. All boatspeeds and windspeeds are given in knots. The shaded cells lie beyond the upwind and downwind optimum points. The two tables on the lower portion of the page provide a ready reference of useful details about the optimum upwind and downwind sailing conditions as a function of the true windspeeds (Vt's) across the top of the page. In addition to indicating the optimum upwind and downwind boat speeds in knots, they are also expressed in seconds/mile and in seconds/boat length. VMG is also expressed in seconds/mile.

Best Performance

This page is a detailed representation of the polar diagram showing a list of predicted performance variables for each windspeed over the range of true wind angles. All of those items listed in the "General Terms" section are listed and optimum upwind and downwind settings are included in bold type.

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D622 - First 35 Deep Fin / Carbon Mast/ Asym on Sprit
For Chantiers Beneteau



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Best Boatspeeds (kt)

	4	6	8	10	12	14	16	18	20	25	30	35
30.0	1.94	2.97	3.79	4.39	4.79	5.02	5.11	5.08	4.94	3.69	5.59	3.77
33.0	2.24	3.40	4.31	4.98	5.38	5.58	5.68	5.68	5.60	5.07	3.84	3.70
36.0	2.52	3.77	4.74	5.45	5.81	6.01	6.11	6.12	6.07	5.74	4.83	3.66
39.0	2.77	4.10	5.11	5.82	6.17	6.35	6.44	6.46	6.44	6.23	5.66	4.85
42.0	3.00	4.38	5.42	6.12	6.45	6.61	6.69	6.72	6.73	6.60	6.21	5.29
45.0	3.20	4.63	5.68	6.37	6.67	6.82	6.89	6.93	6.94	6.88	6.64	6.02
50.0	3.49	4.98	6.02	6.67	6.95	7.07	7.15	7.20	7.23	7.22	7.10	6.80
60.0	3.90	5.45	6.45	7.00	7.31	7.46	7.55	7.62	7.68	7.73	7.71	7.59
70.0	4.13	5.70	6.65	7.16	7.52	7.76	7.87	7.96	8.03	8.14	8.17	8.13
80.0	4.45	6.18	7.01	7.32	7.61	7.92	8.13	8.25	8.34	8.51	8.61	8.63
90.0	4.75	6.45	7.21	7.55	7.79	7.97	8.25	8.49	8.65	8.91	9.07	9.15
100.0	4.88	6.54	7.31	7.74	8.00	8.21	8.38	8.54	8.82	9.29	9.54	9.72
110.0	4.82	6.47	7.28	7.82	8.18	8.41	8.62	8.82	8.99	9.51	10.12	10.45
120.0	4.58	6.25	7.14	7.72	8.19	8.57	8.85	9.09	9.30	9.84	10.44	11.29
130.0	4.16	5.84	6.88	7.49	7.99	8.44	8.91	9.31	9.64	10.45	11.30	12.17
135.0	3.90	5.56	6.69	7.33	7.85	8.31	8.79	9.28	9.76	10.83	11.88	13.00
140.0	3.62	5.24	6.44	7.15	7.69	8.15	8.61	9.11	9.64	11.20	12.57	14.07
150.0	3.04	4.52	5.78	6.72	7.30	7.77	8.18	8.60	9.06	10.60	12.95	16.05
160.0	2.53	3.81	4.99	6.01	6.77	7.29	7.72	8.09	8.47	9.56	11.24	13.73
170.0	2.14	3.25	4.30	5.29	6.15	6.82	7.29	7.70	8.06	8.99	10.19	11.97
180.0	1.94	2.96	3.94	4.87	5.72	6.45	6.99	7.41	7.78	8.61	9.56	10.94
Up.Vs(kts)	3.27	4.59	5.48	6.06	6.30	6.41	6.46	6.51	6.55	6.60	6.62	6.62
Up.Vs(s/m)	1101.5	784.3	656.5	593.8	571.4	561.6	557.0	552.8	549.7	545.4	543.7	543.7
Up.Vs(s/L)	6.3	4.5	3.8	3.4	3.3	3.2	3.2	3.2	3.2	3.1	3.1	3.1
Up.Bt	46.1	44.5	42.7	41.4	40.4	39.7	39.3	39.6	40.1	42.1	45.0	48.7
Up.Vmg(kts)	2.26	3.27	4.03	4.55	4.80	4.93	5.00	5.02	5.01	4.90	4.68	4.37
Up.Vmg(s/m)	1589.7	1099.4	893.1	791.3	749.9	729.5	720.1	717.5	718.7	735.0	769.5	824.2
Up.Heel	2.4	5.2	8.9	14.4	19.5	21.4	22.9	23.2	23.4	23.7	24.1	24.6
Up.Reef	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.94	0.88	0.75	0.65	0.57
Up.Flat	1.00	1.00	1.00	1.00	0.92	0.78	0.67	0.67	0.69	0.74	0.82	0.89
Up.Twist	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Up.Va	6.69	9.81	12.56	15.00	17.09	19.09	21.03	22.95	24.84	29.46	33.91	38.14
Up.Ba	25.5	25.3	25.2	25.3	25.4	25.8	26.4	27.4	28.4	31.4	34.9	38.8
Up.Leewy	1.98	2.12	2.41	2.86	3.27	3.40	3.54	3.69	3.85	4.29	4.76	5.28
Dn.Vs(kts)	3.71	5.14	6.00	6.61	6.99	7.37	7.70	7.94	8.32	10.74	12.96	15.89
Dn.Vs(s/m)	969.5	699.7	599.7	544.9	514.7	488.6	467.4	453.4	432.7	335.2	277.8	226.5
Dn.Vs(s/L)	5.6	4.0	3.4	3.1	3.0	2.8	2.7	2.6	2.5	1.9	1.6	1.3
Dn.Bt	138.4	141.3	146.9	151.9	156.1	158.4	160.3	163.5	163.2	148.8	149.9	152.1
Dn.Vmg(kts)	2.78	4.01	5.03	5.83	6.40	6.85	7.25	7.61	7.96	9.19	11.21	14.05
Dn.Vmg(s/m)	1297.0	896.8	716.2	617.6	562.8	525.6	496.5	472.8	452.1	391.9	321.1	256.3
Dn.Heel	0.8	1.5	1.6	1.6	1.4	1.4	1.6	1.7	2.2	10.3	14.8	18.3
Dn.Reef	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Dn.Flat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Dn.Twist	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Dn.Va	2.75	3.78	4.43	5.20	6.28	7.65	9.13	10.63	12.27	16.60	19.50	21.63
Dn.Ba	74.8	83.0	99.1	115.2	129.3	137.6	143.7	151.3	151.9	129.8	131.8	134.1
Dn.Leewy	0.44	0.39	0.31	0.25	0.19	0.17	0.17	0.17	0.20	0.44	0.33	0.19

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Best Performance

	TWS	TWA	V	VMG	Heel	Reef	Flat	Twist	AWS	AWA	Lee	Sail
	4.0	30.0	1.935	1.676	1.6	1.000	1.000	1.000	5.76	20.3	3.95	Up
	4.0	33.0	2.242	1.880	1.8	1.000	1.000	1.000	6.01	21.3	3.26	Up
	4.0	36.0	2.518	2.037	2.0	1.000	1.000	1.000	6.22	22.2	2.80	Up
	4.0	39.0	2.769	2.152	2.1	1.000	1.000	1.000	6.39	23.2	2.48	Up
	4.0	42.0	2.996	2.226	2.2	1.000	1.000	1.000	6.54	24.1	2.23	Up
	4.0	45.0	3.199	2.262	2.3	1.000	1.000	1.000	6.66	25.1	2.04	Up
OptUp >	***4.0***	***46.1***	***3.268***	***2.265***	***2.4***	***1.000***	***1.000***	***1.000***	***6.69***	***25.5***	***1.98***	***Up***
	4.0	50.0	3.486	2.241	2.4	1.000	1.000	1.000	6.79	26.8	1.80	Up
	4.0	60.0	3.900	1.950	2.5	1.000	1.000	1.000	6.84	30.4	1.46	Up
	4.0	70.0	4.134	1.414	2.3	1.000	1.000	1.000	6.66	34.3	1.21	Up
	4.0	80.0	4.454	0.773	3.8	1.000	1.000	1.000	6.48	37.4	1.37	Dn
	4.0	90.0	4.752	-0.000	4.0	1.000	1.000	1.000	6.21	40.0	1.26	Dn
	4.0	100.0	4.881	-0.848	3.8	1.000	1.000	1.000	5.74	43.2	1.13	Dn
	4.0	110.0	4.822	-1.649	3.2	1.000	1.000	1.000	5.10	47.4	0.97	Dn
	4.0	120.0	4.575	-2.288	2.3	1.000	1.000	1.000	4.31	53.4	0.78	Dn
	4.0	130.0	4.159	-2.673	1.4	1.000	1.000	1.000	3.45	62.6	0.59	Dn
	4.0	135.0	3.902	-2.759	1.1	1.000	1.000	1.000	3.03	69.2	0.50	Dn
OptDn >	***4.0***	***138.4***	***3.713***	***2.776***	***0.8***	***1.000***	***1.000***	***1.000***	***2.75***	***74.8***	***0.44***	***Dn***
	4.0	140.0	3.619	-2.772	0.7	1.000	1.000	1.000	2.63	77.8	0.41	Dn
	4.0	150.0	3.043	-2.635	0.3	1.000	1.000	1.000	2.04	101.9	0.26	Dn
	4.0	160.0	2.527	-2.375	0.1	1.000	1.000	1.000	1.84	132.0	0.13	Dn
	4.0	170.0	2.139	-2.107	0.0	1.000	1.000	1.000	1.93	158.9	0.07	Dn
	4.0	180.0	1.945	-1.945	0.0	1.000	1.000	1.000	2.06	180.0	-0.00	Dn
	6.0	30.0	2.968	2.571	3.8	1.000	1.000	1.000	8.70	20.1	3.81	Up
	6.0	33.0	3.402	2.853	4.2	1.000	1.000	1.000	9.04	21.1	3.19	Up
	6.0	36.0	3.773	3.053	4.5	1.000	1.000	1.000	9.32	22.2	2.78	Up
	6.0	39.0	4.097	3.184	4.8	1.000	1.000	1.000	9.53	23.2	2.49	Up
	6.0	42.0	4.381	3.256	5.0	1.000	1.000	1.000	9.70	24.3	2.27	Up
OptUp >	***6.0***	***44.5***	***4.590***	***3.275***	***5.2***	***1.000***	***1.000***	***1.000***	***9.81***	***25.3***	***2.12***	***Up***
	6.0	45.0	4.631	3.275	5.2	1.000	1.000	1.000	9.83	25.5	2.09	Up
	6.0	50.0	4.980	3.201	5.4	1.000	1.000	1.000	9.95	27.4	1.85	Up
	6.0	60.0	5.453	2.726	5.3	1.000	1.000	1.000	9.91	31.5	1.51	Up
	6.0	70.0	5.699	1.949	4.8	1.000	1.000	1.000	9.57	35.9	1.26	Up
	6.0	80.0	6.178	1.073	9.2	1.000	1.000	1.000	9.28	38.9	1.56	Dn
	6.0	90.0	6.453	-0.000	9.5	1.000	1.000	1.000	8.76	42.5	1.44	Dn
	6.0	100.0	6.542	-1.136	8.4	1.000	1.000	1.000	8.03	46.7	1.25	Dn
	6.0	110.0	6.471	-2.213	6.5	1.000	1.000	1.000	7.13	51.7	1.02	Dn
	6.0	120.0	6.252	-3.126	4.6	1.000	1.000	1.000	6.12	57.9	0.79	Dn
	6.0	130.0	5.839	-3.753	2.9	1.000	1.000	1.000	5.00	66.6	0.59	Dn
	6.0	135.0	5.560	-3.932	2.2	1.000	1.000	1.000	4.44	72.7	0.50	Dn
	6.0	140.0	5.236	-4.011	1.6	1.000	1.000	1.000	3.91	80.6	0.41	Dn
OptDn >	***6.0***	***141.3***	***5.145***	***4.014***	***1.5***	***1.000***	***1.000***	***1.000***	***3.78***	***83.0***	***0.39***	***Dn***
	6.0	150.0	4.515	-3.910	0.7	1.000	1.000	1.000	3.08	102.8	0.26	Dn
	6.0	160.0	3.813	-3.583	0.2	1.000	1.000	1.000	2.75	131.6	0.12	Dn
	6.0	170.0	3.248	-3.198	0.1	1.000	1.000	1.000	2.86	158.6	0.06	Dn
	6.0	180.0	2.957	-2.957	0.0	1.000	1.000	1.000	3.04	180.0	-0.00	Dn

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Best Performance (cont)

	TWS	TWA	V	VMG	Heel	Reef	Flat	Twist	AWS	AWA	Lee	Sail
	8.0	30.0	3.791	3.283	6.8	1.000	1.000	1.000	11.43	20.3	4.05	Up
	8.0	33.0	4.305	3.611	7.5	1.000	1.000	1.000	11.83	21.4	3.41	Up
	8.0	36.0	4.739	3.834	8.0	1.000	1.000	1.000	12.14	22.6	2.99	Up
	8.0	39.0	5.112	3.972	8.5	1.000	1.000	1.000	12.37	23.7	2.68	Up
	8.0	42.0	5.422	4.030	8.9	1.000	1.000	1.000	12.54	25.0	2.45	Up
OptUp >	***8.0***	***42.7***	***5.484***	***4.031***	***8.9***	***1.000***	***1.000***	***1.000***	***12.56***	***25.2***	***2.41***	***Up***
	8.0	45.0	5.678	4.015	9.1	1.000	1.000	1.000	12.64	26.2	2.27	Up
	8.0	50.0	6.021	3.870	9.2	1.000	1.000	1.000	12.70	28.5	2.03	Up
	8.0	60.0	6.449	3.225	8.7	1.000	1.000	1.000	12.49	33.2	1.66	Up
	8.0	70.0	6.648	2.274	7.7	1.000	1.000	1.000	11.98	38.4	1.38	Up
	8.0	80.0	7.009	1.217	19.3	1.000	0.989	1.000	11.22	41.5	2.06	Dn
	8.0	90.0	7.214	-0.000	18.3	1.000	1.000	1.000	10.48	46.5	1.84	Dn
	8.0	100.0	7.315	-1.270	14.0	1.000	1.000	1.000	9.67	52.2	1.47	Dn
	8.0	110.0	7.283	-2.491	10.1	1.000	1.000	1.000	8.69	58.4	1.14	Dn
	8.0	120.0	7.143	-3.572	7.0	1.000	1.000	1.000	7.56	65.4	0.86	Dn
	8.0	130.0	6.880	-4.423	4.5	1.000	1.000	1.000	6.35	74.1	0.62	Dn
	8.0	135.0	6.690	-4.731	3.5	1.000	1.000	1.000	5.74	79.6	0.51	Dn
	8.0	140.0	6.440	-4.933	2.6	1.000	1.000	1.000	5.15	86.5	0.42	Dn
OptDn >	***8.0***	***146.9***	***6.003***	***5.027***	***1.6***	***1.000***	***1.000***	***1.000***	***4.43***	***99.1***	***0.31***	***Dn***
	8.0	150.0	5.784	-5.009	1.3	1.000	1.000	1.000	4.16	106.0	0.26	Dn
	8.0	160.0	4.993	-4.692	0.0	1.000	1.000	1.000	3.72	132.7	0.12	Dn
	8.0	170.0	4.305	-4.239	0.0	1.000	1.000	1.000	3.83	158.8	0.06	Dn
	8.0	180.0	3.939	-3.939	0.0	1.000	1.000	1.000	4.06	180.0	-0.00	Dn
	10.0	30.0	4.389	3.801	10.9	1.000	1.000	1.000	13.94	20.6	4.56	Up
	10.0	33.0	4.983	4.179	12.1	1.000	1.000	1.000	14.39	21.7	3.82	Up
	10.0	36.0	5.449	4.408	13.2	1.000	1.000	1.000	14.70	22.9	3.37	Up
	10.0	39.0	5.819	4.522	14.0	1.000	1.000	1.000	14.90	24.2	3.05	Up
OptUp >	***10.0***	***41.4***	***6.063***	***4.550***	***14.4***	***1.000***	***1.000***	***1.000***	***15.00***	***25.3***	***2.86***	***Up***
	10.0	42.0	6.123	4.550	14.5	1.000	1.000	1.000	15.02	25.5	2.81	Up
	10.0	45.0	6.366	4.501	14.8	1.000	1.000	1.000	15.08	27.0	2.61	Up
	10.0	50.0	6.666	4.285	14.7	1.000	1.000	1.000	15.05	29.5	2.34	Up
	10.0	60.0	7.001	3.500	13.0	1.000	1.000	1.000	14.67	35.1	1.93	Up
	10.0	70.0	7.160	2.449	10.9	1.000	1.000	1.000	14.04	41.1	1.59	Up
	10.0	80.0	7.318	1.271	22.0	0.986	0.790	1.000	12.86	45.3	2.09	Dn
	10.0	90.0	7.553	-0.000	21.9	1.000	0.848	1.000	11.97	50.9	1.91	Dn
	10.0	100.0	7.742	-1.344	21.3	1.000	0.982	1.000	10.97	56.8	1.75	Dn
	10.0	110.0	7.824	-2.676	15.0	1.000	1.000	1.000	10.09	64.1	1.32	Dn
	10.0	120.0	7.723	-3.861	9.8	1.000	1.000	1.000	8.96	72.3	0.97	Dn
	10.0	130.0	7.488	-4.813	6.2	1.000	1.000	1.000	7.69	82.1	0.69	Dn
	10.0	135.0	7.332	-5.185	4.8	1.000	1.000	1.000	7.05	87.9	0.57	Dn
	10.0	140.0	7.155	-5.481	3.7	1.000	1.000	1.000	6.43	94.5	0.47	Dn
	10.0	150.0	6.718	-5.818	1.9	1.000	1.000	1.000	5.36	111.2	0.28	Dn
OptDn >	***10.0***	***151.9***	***6.607***	***5.829***	***1.6***	***1.000***	***1.000***	***1.000***	***5.20***	***115.2***	***0.25***	***Dn***
	10.0	160.0	6.011	-5.648	0.0	1.000	1.000	1.000	4.81	134.7	0.12	Dn
	10.0	170.0	5.292	-5.211	0.0	1.000	1.000	1.000	4.88	159.1	0.06	Dn
	10.0	180.0	4.869	-4.869	0.0	1.000	1.000	1.000	5.13	180.0	-0.00	Dn

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07/22/14 15:02:15

Best Performance (cont)

	TWS	TWA	V	VMG	Heel	Reef	Flat	Twist	AWS	AWA	Lee	Sail
	12.0	30.0	4.794	4.152	14.8	1.000	0.907	1.000	16.26	20.9	4.81	Up
	12.0	33.0	5.375	4.508	16.6	1.000	0.906	1.000	16.66	22.1	4.10	Up
	12.0	36.0	5.814	4.704	18.0	1.000	0.906	1.000	16.91	23.4	3.67	Up
	12.0	39.0	6.169	4.794	19.0	1.000	0.909	1.000	17.06	24.7	3.36	Up
OptUp >	***12.0***	***40.4***	***6.300***	***4.801***	***19.5***	***1.000***	***0.915***	***1.000***	***17.09***	***25.4***	***3.27***	***Up***
	12.0	42.0	6.451	4.794	20.0	1.000	0.921	1.000	17.12	26.2	3.16	Up
	12.0	45.0	6.673	4.719	20.6	1.000	0.936	1.000	17.11	27.6	3.01	Up
	12.0	50.0	6.948	4.466	21.5	1.000	0.972	1.000	16.98	30.3	2.83	Up
	12.0	60.0	7.315	3.657	19.5	1.000	1.000	1.000	16.53	36.4	2.34	Up
	12.0	70.0	7.522	2.573	15.5	1.000	1.000	1.000	15.92	43.1	1.86	Up
	12.0	80.0	7.611	1.322	11.8	1.000	1.000	1.000	15.09	50.0	1.49	Up
	12.0	90.0	7.788	-0.000	22.3	0.915	0.857	1.000	13.56	55.0	1.94	Dn
	12.0	100.0	8.001	-1.389	22.5	0.952	0.925	1.000	12.42	61.6	1.77	Dn
	12.0	110.0	8.179	-2.797	22.0	1.000	1.000	1.000	11.22	68.7	1.58	Dn
	12.0	120.0	8.190	-4.095	13.7	1.000	1.000	1.000	10.33	77.8	1.11	Dn
	12.0	130.0	7.986	-5.133	8.4	1.000	1.000	1.000	9.10	88.3	0.79	Dn
	12.0	135.0	7.847	-5.549	6.5	1.000	1.000	1.000	8.45	94.3	0.65	Dn
	12.0	140.0	7.690	-5.891	5.0	1.000	1.000	1.000	7.83	101.1	0.53	Dn
	12.0	150.0	7.299	-6.321	2.5	1.000	1.000	1.000	6.75	117.3	0.31	Dn
OptDn >	***12.0***	***156.1***	***6.995***	***6.397***	***1.4***	***1.000***	***1.000***	***1.000***	***6.28***	***129.3***	***0.19***	***Dn***
	12.0	160.0	6.772	-6.363	0.0	1.000	1.000	1.000	6.09	137.7	0.13	Dn
	12.0	170.0	6.155	-6.061	0.0	1.000	1.000	1.000	6.03	159.8	0.07	Dn
	12.0	180.0	5.722	-5.722	0.0	1.000	1.000	1.000	6.28	180.0	-0.00	Dn
	14.0	30.0	5.016	4.344	17.5	1.000	0.778	1.000	18.39	21.3	4.94	Up
	14.0	33.0	5.583	4.682	19.1	1.000	0.773	1.000	18.76	22.6	4.20	Up
	14.0	36.0	6.013	4.864	20.3	1.000	0.771	1.000	18.98	24.0	3.74	Up
	14.0	39.0	6.351	4.936	21.2	1.000	0.775	1.000	19.09	25.5	3.45	Up
OptUp >	***14.0***	***39.7***	***6.411***	***4.935***	***21.4***	***1.000***	***0.777***	***1.000***	***19.09***	***25.8***	***3.40***	***Up***
	14.0	42.0	6.614	4.915	22.0	1.000	0.784	1.000	19.11	27.0	3.24	Up
	14.0	45.0	6.816	4.820	22.6	1.000	0.799	1.000	19.05	28.7	3.09	Up
	14.0	50.0	7.072	4.546	23.2	1.000	0.832	1.000	18.85	31.5	2.91	Up
	14.0	60.0	7.455	3.728	23.8	1.000	0.926	1.000	18.22	37.5	2.65	Up
	14.0	70.0	7.758	2.654	21.7	1.000	1.000	1.000	17.52	44.3	2.24	Up
	14.0	80.0	7.921	1.376	16.1	1.000	1.000	1.000	16.81	52.0	1.71	Up
	14.0	90.0	7.973	-0.000	22.5	0.837	0.881	1.000	15.19	58.3	1.99	Dn
	14.0	100.0	8.205	-1.425	22.7	0.865	0.965	1.000	13.97	65.6	1.82	Dn
	14.0	110.0	8.412	-2.877	23.0	0.933	1.000	1.000	12.64	73.3	1.63	Dn
	14.0	120.0	8.574	-4.287	19.6	1.000	1.000	1.000	11.53	82.2	1.29	Dn
	14.0	130.0	8.442	-5.426	11.3	1.000	1.000	1.000	10.53	93.0	0.89	Dn
	14.0	135.0	8.306	-5.873	8.6	1.000	1.000	1.000	9.92	99.2	0.74	Dn
	14.0	140.0	8.153	-6.245	6.5	1.000	1.000	1.000	9.30	106.0	0.60	Dn
	14.0	150.0	7.770	-6.729	3.2	1.000	1.000	1.000	8.23	121.9	0.34	Dn
OptDn >	***14.0***	***158.4***	***7.367***	***6.850***	***1.4***	***1.000***	***1.000***	***1.000***	***7.65***	***137.6***	***0.17***	***Dn***
	14.0	160.0	7.285	-6.846	1.2	1.000	1.000	1.000	7.57	140.8	0.15	Dn
	14.0	170.0	6.818	-6.715	0.0	1.000	1.000	1.000	7.38	160.8	0.08	Dn
	14.0	180.0	6.452	-6.452	0.0	1.000	1.000	1.000	7.55	180.0	-0.00	Dn

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07/22/14 15:02:15

Best Performance (cont)

	TWS	TWA	V	VMG	Heel	Reef	Flat	Twist	AWS	AWA	Lee	Sail
	16.0	30.0	5.108	4.424	19.5	1.000	0.670	1.000	20.41	21.7	5.16	Up
	16.0	33.0	5.677	4.761	20.9	1.000	0.664	1.000	20.76	23.1	4.36	Up
	16.0	36.0	6.107	4.941	21.9	1.000	0.662	1.000	20.95	24.6	3.86	Up
	16.0	39.0	6.438	5.003	22.8	1.000	0.666	1.000	21.03	26.2	3.56	Up
OptUp >	***16.0***	***39.3***	***6.463***	***4.999***	***22.9***	***1.000***	***0.667***	***1.000***	***21.03***	***26.4***	***3.54***	***Up***
	16.0	42.0	6.692	4.973	23.2	0.986	0.697	1.000	21.03	27.9	3.35	Up
	16.0	45.0	6.889	4.871	23.4	0.963	0.750	1.000	20.96	29.7	3.20	Up
	16.0	50.0	7.147	4.594	23.4	0.930	0.846	1.000	20.74	32.8	3.03	Up
	16.0	60.0	7.552	3.776	23.4	0.905	1.000	1.000	20.09	39.3	2.73	Up
	16.0	70.0	7.874	2.693	23.7	0.956	1.000	1.000	19.17	45.9	2.42	Up
	16.0	80.0	8.132	1.412	21.6	1.000	1.000	1.000	18.27	53.3	2.01	Up
	16.0	90.0	8.247	-0.000	15.0	1.000	1.000	1.000	17.52	61.9	1.50	Up
	16.0	100.0	8.381	-1.455	22.9	0.793	1.000	1.000	15.56	68.9	1.87	Dn
	16.0	110.0	8.623	-2.949	23.3	0.868	1.000	1.000	14.16	77.1	1.65	Dn
	16.0	120.0	8.852	-4.426	23.8	0.971	1.000	1.000	12.71	86.2	1.44	Dn
	16.0	130.0	8.909	-5.727	15.6	1.000	1.000	1.000	11.89	96.6	0.99	Dn
	16.0	135.0	8.790	-6.216	11.4	1.000	1.000	1.000	11.37	102.8	0.82	Dn
	16.0	140.0	8.614	-6.599	8.4	1.000	1.000	1.000	10.81	109.7	0.66	Dn
	16.0	150.0	8.181	-7.085	3.9	1.000	1.000	1.000	9.79	125.4	0.37	Dn
	16.0	160.0	7.716	-7.250	1.6	1.000	1.000	1.000	9.14	143.2	0.18	Dn
OptDn >	***16.0***	***160.3***	***7.703***	***7.250***	***1.6***	***1.000***	***1.000***	***1.000***	***9.13***	***143.7***	***0.17***	***Dn***
	16.0	170.0	7.294	-7.184	0.0	1.000	1.000	1.000	8.91	161.8	0.09	Dn
	16.0	180.0	6.990	-6.990	0.0	1.000	1.000	1.000	9.01	180.0	-0.00	Dn
	18.0	30.0	5.081	4.401	20.8	1.000	0.581	1.000	22.32	22.1	5.51	Up
	18.0	33.0	5.676	4.760	22.2	1.000	0.575	1.000	22.67	23.6	4.60	Up
	18.0	36.0	6.118	4.949	22.9	0.975	0.609	1.000	22.86	25.2	4.08	Up
	18.0	39.0	6.460	5.020	23.2	0.945	0.658	1.000	22.95	27.0	3.74	Up
OptUp >	***18.0***	***39.6***	***6.512***	***5.017***	***23.2***	***0.940***	***0.668***	***1.000***	***22.95***	***27.4***	***3.69***	***Up***
	18.0	42.0	6.725	4.997	23.4	0.919	0.711	1.000	22.94	28.8	3.51	Up
	18.0	45.0	6.929	4.900	23.5	0.896	0.768	1.000	22.86	30.7	3.35	Up
	18.0	50.0	7.197	4.626	23.5	0.866	0.869	1.000	22.63	34.0	3.15	Up
	18.0	60.0	7.623	3.812	23.6	0.852	1.000	1.000	21.92	40.7	2.81	Up
	18.0	70.0	7.961	2.723	23.9	0.902	1.000	1.000	20.94	47.6	2.48	Up
	18.0	80.0	8.246	1.432	24.1	0.967	1.000	1.000	19.78	54.9	2.20	Up
	18.0	90.0	8.486	-0.000	19.5	1.000	1.000	1.000	18.97	63.4	1.70	Up
	18.0	100.0	8.537	-1.482	23.2	0.741	1.000	1.000	17.17	71.6	1.91	Dn
	18.0	110.0	8.817	-3.016	23.6	0.812	1.000	1.000	15.72	80.3	1.67	Dn
	18.0	120.0	9.086	-4.543	24.3	0.909	1.000	1.000	14.21	89.7	1.45	Dn
	18.0	130.0	9.314	-5.987	21.2	1.000	1.000	1.000	13.05	100.0	1.12	Dn
	18.0	135.0	9.275	-6.559	15.3	1.000	1.000	1.000	12.76	105.7	0.89	Dn
	18.0	140.0	9.107	-6.976	10.6	1.000	1.000	1.000	12.30	112.4	0.70	Dn
	18.0	150.0	8.604	-7.451	4.8	1.000	1.000	1.000	11.37	127.9	0.40	Dn
	18.0	160.0	8.095	-7.607	2.1	1.000	1.000	1.000	10.75	145.1	0.21	Dn
OptDn >	***18.0***	***163.5***	***7.941***	***7.615***	***1.7***	***1.000***	***1.000***	***1.000***	***10.63***	***151.3***	***0.17***	***Dn***
	18.0	170.0	7.701	-7.584	0.0	1.000	1.000	1.000	10.50	162.7	0.11	Dn
	18.0	180.0	7.407	-7.407	0.0	1.000	1.000	1.000	10.59	180.0	-0.00	Dn

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07/22/14 15:02:15

Best Performance (cont)

	TWS	TWA	V	VMG	Heel	Reef	Flat	Twist	AWS	AWA	Lee	Sail
	20.0	30.0	4.936	4.275	21.6	0.992	0.519	1.000	24.12	22.7	6.11	Up
	20.0	33.0	5.598	4.695	22.4	0.949	0.567	1.000	24.53	24.2	4.96	Up
	20.0	36.0	6.074	4.914	23.0	0.918	0.614	1.000	24.75	25.9	4.36	Up
	20.0	39.0	6.444	5.008	23.3	0.888	0.666	1.000	24.84	27.7	3.95	Up
OptUp >	***20.0***	***40.1***	***6.549***	***5.009***	***23.4***	***0.878***	***0.687***	***1.000***	***24.84***	***28.4***	***3.85***	***Up***
	20.0	42.0	6.728	5.000	23.5	0.862	0.723	1.000	24.84	29.6	3.69	Up
	20.0	45.0	6.944	4.910	23.6	0.840	0.783	1.000	24.75	31.6	3.51	Up
	20.0	50.0	7.227	4.645	23.6	0.811	0.887	1.000	24.51	35.0	3.29	Up
	20.0	60.0	7.675	3.838	23.8	0.806	1.000	1.000	23.74	41.9	2.91	Up
	20.0	70.0	8.030	2.746	24.1	0.853	1.000	1.000	22.71	49.1	2.56	Up
	20.0	80.0	8.337	1.448	24.2	0.916	1.000	1.000	21.49	56.7	2.26	Up
	20.0	90.0	8.653	-0.000	24.4	1.000	1.000	1.000	20.16	64.6	1.96	Up
	20.0	100.0	8.815	-1.531	16.3	1.000	1.000	1.000	19.64	74.2	1.38	Up
	20.0	110.0	8.993	-3.076	24.0	0.762	1.000	1.000	17.30	82.9	1.70	Dn
	20.0	120.0	9.300	-4.650	24.7	0.853	1.000	1.000	15.75	92.5	1.47	Dn
	20.0	130.0	9.637	-6.194	25.8	0.984	1.000	1.000	14.16	103.1	1.24	Dn
	20.0	135.0	9.761	-6.902	20.2	1.000	1.000	1.000	13.98	108.3	0.95	Dn
	20.0	140.0	9.640	-7.385	13.5	1.000	1.000	1.000	13.73	114.4	0.74	Dn
	20.0	150.0	9.061	-7.847	5.8	1.000	1.000	1.000	12.93	129.7	0.42	Dn
	20.0	160.0	8.471	-7.960	2.7	1.000	1.000	1.000	12.38	146.5	0.23	Dn
OptDn >	***20.0***	***163.2***	***8.319***	***7.962***	***2.2***	***1.000***	***1.000***	***1.000***	***12.27***	***151.9***	***0.20***	***Dn***
	20.0	170.0	8.062	-7.939	0.0	1.000	1.000	1.000	12.14	163.4	0.12	Dn
	20.0	180.0	7.776	-7.776	0.0	1.000	1.000	1.000	12.22	180.0	-0.00	Dn
	25.0	30.0	3.688	3.194	20.4	0.904	0.481	1.000	27.92	24.8	11.54	Up
	25.0	33.0	5.072	4.254	22.5	0.842	0.562	1.000	28.92	25.8	6.75	Up
	25.0	36.0	5.740	4.644	23.1	0.806	0.621	1.000	29.27	27.5	5.46	Up
	25.0	39.0	6.228	4.840	23.4	0.777	0.679	1.000	29.44	29.4	4.73	Up
	25.0	42.0	6.605	4.908	23.7	0.752	0.742	1.000	29.48	31.3	4.29	Up
OptUp >	***25.0***	***42.1***	***6.601***	***4.898***	***23.7***	***0.751***	***0.745***	***1.000***	***29.46***	***31.4***	***4.29***	***Up***
	25.0	45.0	6.881	4.865	23.8	0.731	0.807	1.000	29.40	33.4	4.00	Up
	25.0	50.0	7.219	4.641	23.9	0.705	0.914	1.000	29.14	36.9	3.68	Up
	25.0	60.0	7.735	3.867	24.2	0.709	1.000	1.000	28.27	44.3	3.19	Up
	25.0	70.0	8.137	2.783	24.6	0.752	1.000	1.000	27.10	52.0	2.79	Up
	25.0	80.0	8.509	1.478	24.8	0.809	1.000	1.000	25.78	60.1	2.43	Up
	25.0	90.0	8.905	-0.000	25.3	0.887	1.000	1.000	24.30	68.5	2.09	Up
	25.0	100.0	9.293	-1.614	25.7	0.988	1.000	1.000	22.73	77.4	1.78	Up
	25.0	110.0	9.512	-3.253	17.9	1.000	1.000	1.000	22.37	87.5	1.25	Up
	25.0	120.0	9.842	-4.921	25.9	0.741	1.000	1.000	19.65	97.8	1.49	Dn
	25.0	130.0	10.452	-6.718	27.4	0.862	1.000	1.000	17.91	108.3	1.18	Dn
	25.0	135.0	10.832	-7.660	28.5	0.952	1.000	1.000	16.98	113.8	1.02	Dn
	25.0	140.0	11.200	-8.580	24.0	1.000	1.000	1.000	16.70	118.4	0.75	Dn
OptDn >	***25.0***	***148.8***	***10.741***	***9.186***	***10.3***	***1.000***	***1.000***	***1.000***	***16.60***	***129.8***	***0.44***	***Dn***
	25.0	150.0	10.600	-9.180	9.2	1.000	1.000	1.000	16.56	131.8	0.42	Dn
	25.0	160.0	9.559	-8.982	4.4	1.000	1.000	1.000	16.33	148.5	0.28	Dn
	25.0	170.0	8.985	-8.849	0.0	1.000	1.000	1.000	16.23	164.5	0.16	Dn
	25.0	180.0	8.609	-8.609	0.0	1.000	1.000	1.000	16.39	180.0	-0.00	Dn

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07/22/14 15:02:15

Best Performance (cont)

	TWS	TWA	V	VMG	Heel	Reef	Flat	Twist	AWS	AWA	Lee	Sail
	30.0	30.0	5.589	4.840	35.0	0.971	0.971	1.000	33.88	21.3	0.52	Up
	30.0	33.0	3.845	3.225	23.1	0.735	0.415	1.000	32.67	27.4	9.10	Up
	30.0	36.0	4.829	3.907	22.7	0.729	0.617	1.000	33.34	29.2	8.37	Up
	30.0	39.0	5.657	4.396	23.5	0.696	0.688	1.000	33.75	30.9	6.34	Up
	30.0	42.0	6.214	4.618	23.8	0.671	0.752	1.000	33.91	32.8	5.34	Up
	30.0	45.0	6.637	4.693	24.1	0.651	0.818	1.000	33.92	34.8	4.74	Up
OptUp >	***30.0***	***45.0***	***6.622***	***4.679***	***24.1***	***0.651***	***0.819***	***1.000***	***33.91***	***34.9***	***4.76***	***Up***
	30.0	50.0	7.096	4.561	24.3	0.628	0.922	1.000	33.68	38.5	4.20	Up
	30.0	60.0	7.706	3.853	24.8	0.633	1.000	1.000	32.74	46.1	3.54	Up
	30.0	70.0	8.167	2.793	25.2	0.671	1.000	1.000	31.46	54.1	3.07	Up
	30.0	80.0	8.605	1.494	25.7	0.725	1.000	1.000	30.00	62.6	2.65	Up
	30.0	90.0	9.068	-0.000	26.2	0.796	1.000	1.000	28.40	71.4	2.26	Up
	30.0	100.0	9.539	-1.656	26.8	0.887	1.000	1.000	26.73	80.7	1.91	Up
	30.0	110.0	10.119	-3.461	27.4	0.999	1.000	1.000	25.03	90.3	1.55	Up
	30.0	120.0	10.437	-5.219	18.8	1.000	1.000	1.000	25.01	100.5	1.02	Up
	30.0	130.0	11.301	-7.264	29.0	0.772	1.000	1.000	21.63	111.7	1.09	Dn
	30.0	135.0	11.881	-8.401	30.3	0.859	1.000	1.000	20.55	117.0	0.90	Dn
	30.0	140.0	12.575	-9.633	32.1	0.973	1.000	1.000	19.37	122.5	0.72	Dn
OptDn >	***30.0***	***149.9***	***12.959***	***11.212***	***14.8***	***1.000***	***1.000***	***1.000***	***19.50***	***131.8***	***0.33***	***Dn***
	30.0	150.0	12.946	-11.212	14.7	1.000	1.000	1.000	19.51	131.9	0.33	Dn
	30.0	160.0	11.238	-10.560	6.6	1.000	1.000	1.000	19.78	149.0	0.26	Dn
	30.0	170.0	10.192	-10.037	0.0	1.000	1.000	1.000	20.04	164.9	0.16	Dn
	30.0	180.0	9.561	-9.561	0.0	1.000	1.000	1.000	20.44	180.0	-0.00	Dn
	35.0	30.0	3.773	3.268	11.6	0.500	0.793	1.000	38.15	26.7	10.23	Up
	35.0	33.0	3.704	3.106	14.5	0.500	0.830	1.000	37.86	29.2	11.31	Up
	35.0	36.0	3.659	2.960	25.3	0.582	0.542	1.000	36.99	30.2	11.52	Up
	35.0	39.0	4.854	3.772	35.0	0.815	0.802	1.000	36.78	29.4	1.52	Up
	35.0	42.0	5.289	3.931	23.7	0.612	0.755	1.000	37.94	34.4	8.05	Up
	35.0	45.0	6.023	4.259	24.2	0.591	0.821	1.000	38.16	36.3	6.31	Up
OptUp >	***35.0***	***48.7***	***6.621***	***4.368***	***24.6***	***0.574***	***0.894***	***1.000***	***38.14***	***38.8***	***5.28***	***Up***
	35.0	50.0	6.804	4.374	24.7	0.570	0.917	1.000	38.10	39.7	5.01	Up
	35.0	60.0	7.588	3.794	25.5	0.572	1.000	1.000	37.12	47.5	4.03	Up
	35.0	70.0	8.128	2.780	26.0	0.605	1.000	1.000	35.74	55.8	3.43	Up
	35.0	80.0	8.626	1.498	26.7	0.655	1.000	1.000	34.13	64.5	2.95	Up
	35.0	90.0	9.150	-0.000	27.3	0.720	1.000	1.000	32.41	73.6	2.50	Up
	35.0	100.0	9.718	-1.688	28.1	0.803	1.000	1.000	30.63	83.2	2.08	Up
	35.0	110.0	10.455	-3.576	28.8	0.904	1.000	1.000	28.87	93.0	1.62	Up
	35.0	120.0	11.294	-5.647	27.5	0.999	1.000	1.000	27.59	103.0	1.14	Up
	35.0	130.0	12.170	-7.822	30.8	0.704	1.000	1.000	25.24	114.2	1.01	Dn
	35.0	135.0	12.999	-9.192	32.3	0.787	1.000	1.000	23.99	119.3	0.78	Dn
	35.0	140.0	14.075	-10.782	34.6	0.899	1.000	1.000	22.47	124.5	0.58	Dn
	35.0	150.0	16.049	-13.899	23.1	1.000	1.000	1.000	21.51	131.5	0.22	Dn
OptDn >	***35.0***	***152.1***	***15.891***	***14.048***	***18.3***	***1.000***	***1.000***	***1.000***	***21.63***	***134.1***	***0.19***	***Dn***
	35.0	160.0	13.732	-12.903	9.1	1.000	1.000	1.000	22.51	148.3	0.18	Dn
	35.0	170.0	11.969	-11.788	4.3	1.000	1.000	1.000	23.30	164.9	0.14	Dn
	35.0	180.0	10.945	-10.945	0.0	1.000	1.000	1.000	24.06	180.0	-0.00	Dn

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Best Performance (cont)

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