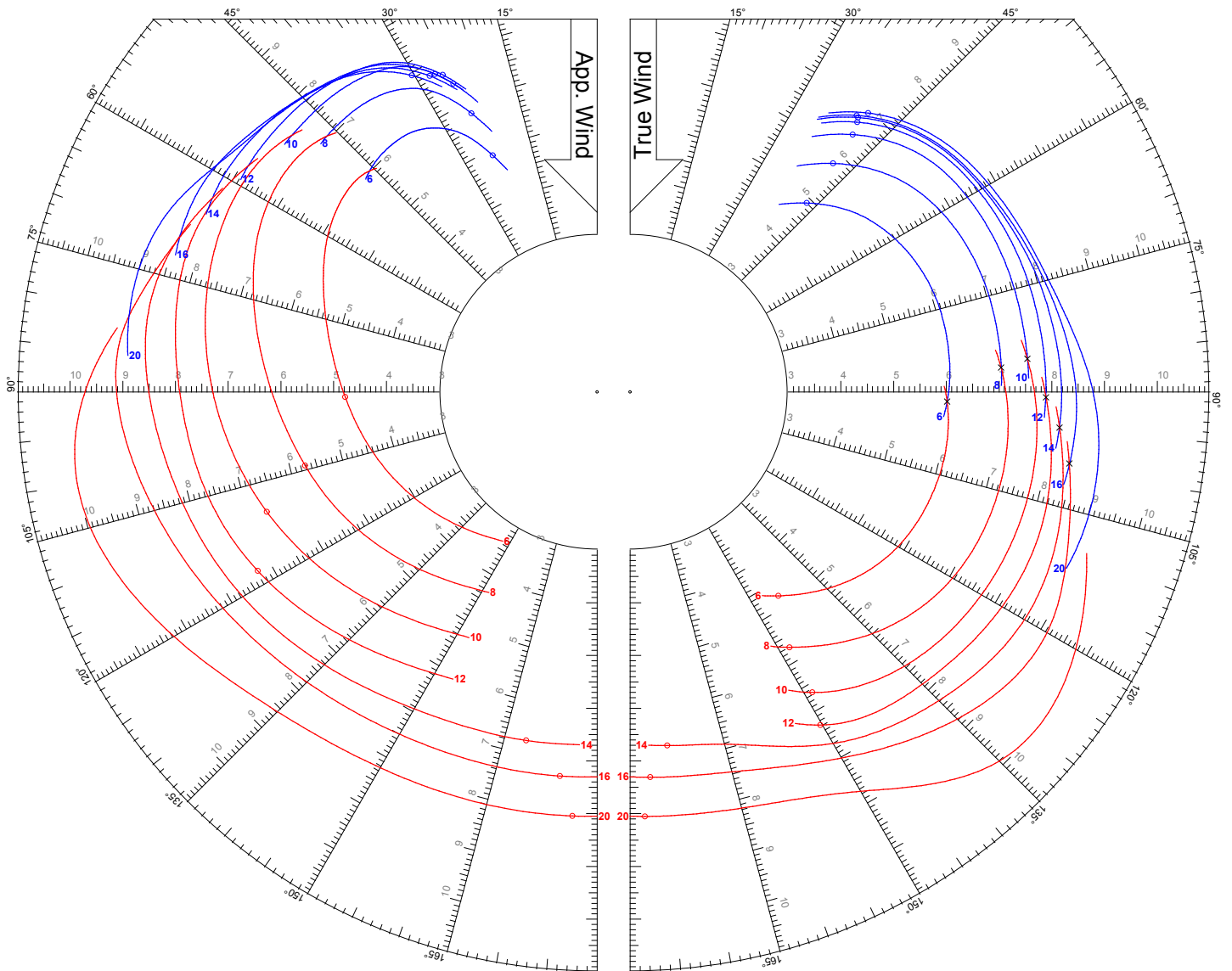


SPEED GUIDE DD SQUARETOP



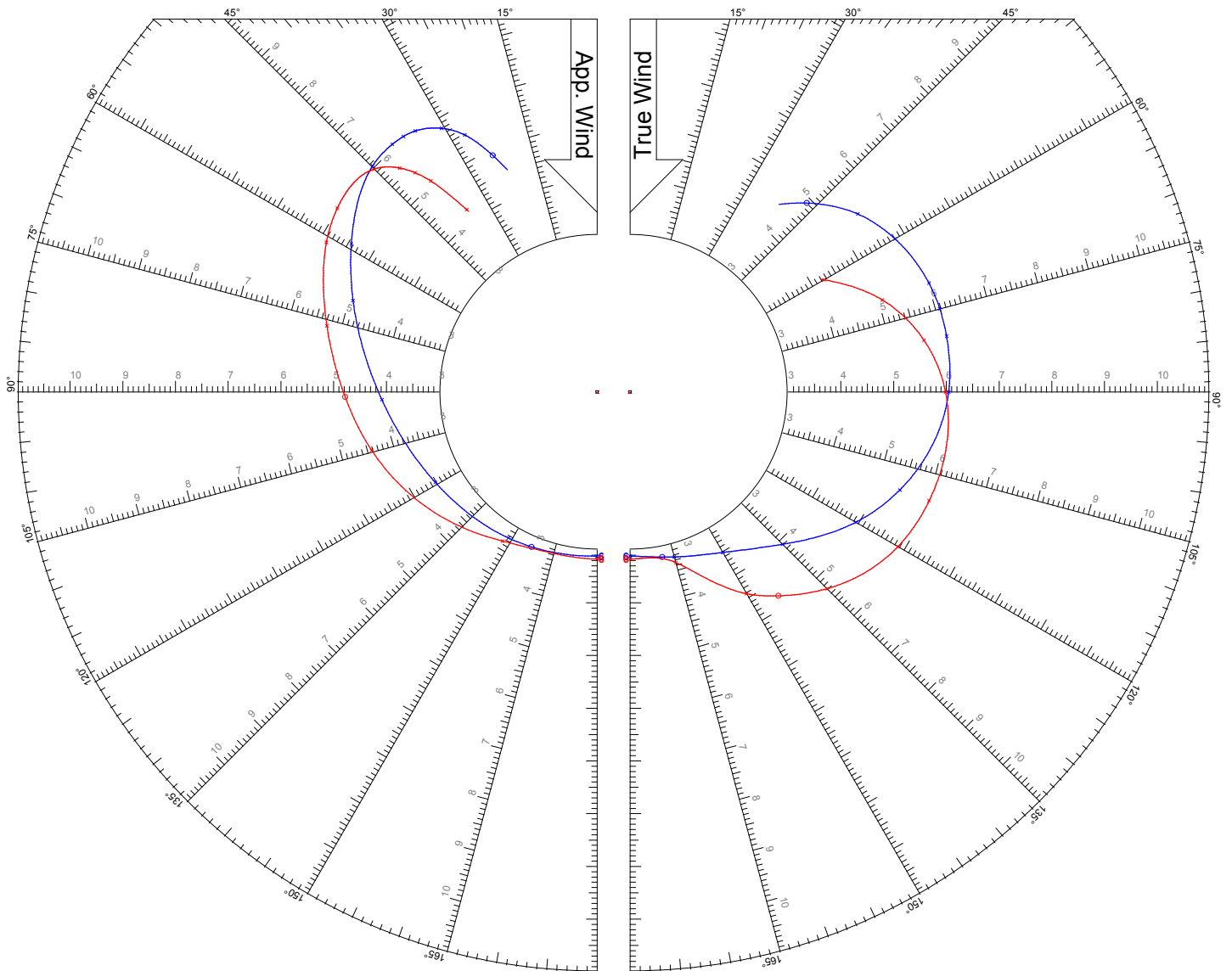
Polar Plot for Boat	
Name	
Sail Number	
Class	DEHLER 38
Designer	JUDEL/VROLIJK & CO
Builder	HANSE
Issued On	15/05/2020 - VPP 2020 1.01

TWS: 6, 8, 10, 12, 14, 16, 20 kts

Headsail

Asymmetric Spinnaker on Centerline

SPEED GUIDE DD SQUARETOP



Polar Plot for Boat	
Name	
Sail Number	
Class	DEHLER 38
Designer	JUDEL/VROLIJK & CO
Builder	HANSE
Issued On	15/05/2020 - VPP 2020 1.01

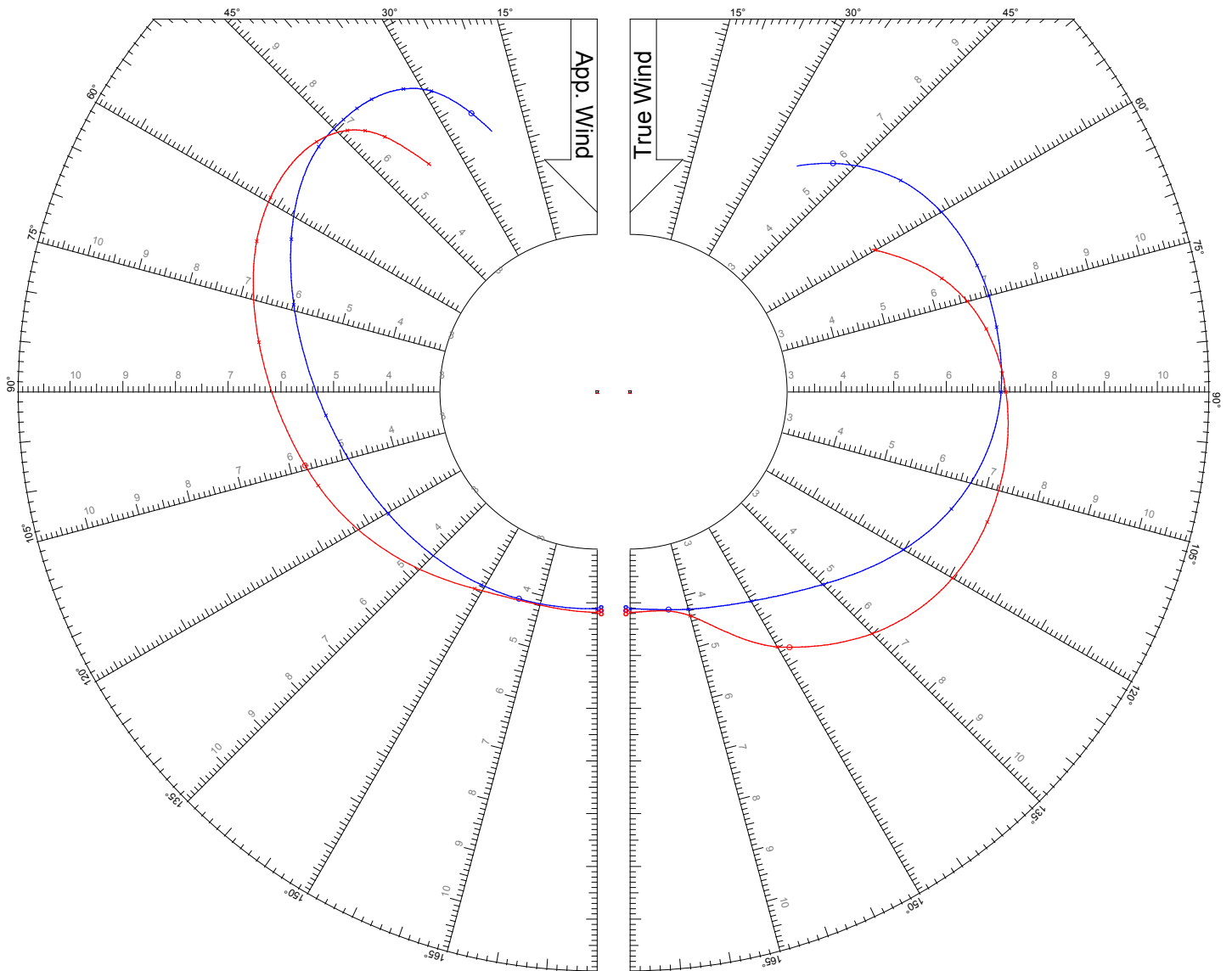
TWS: 6 kts

Headsail

Asymmetric Spinnaker on Centerline

SPEED GUIDE

DD SQUARETOP



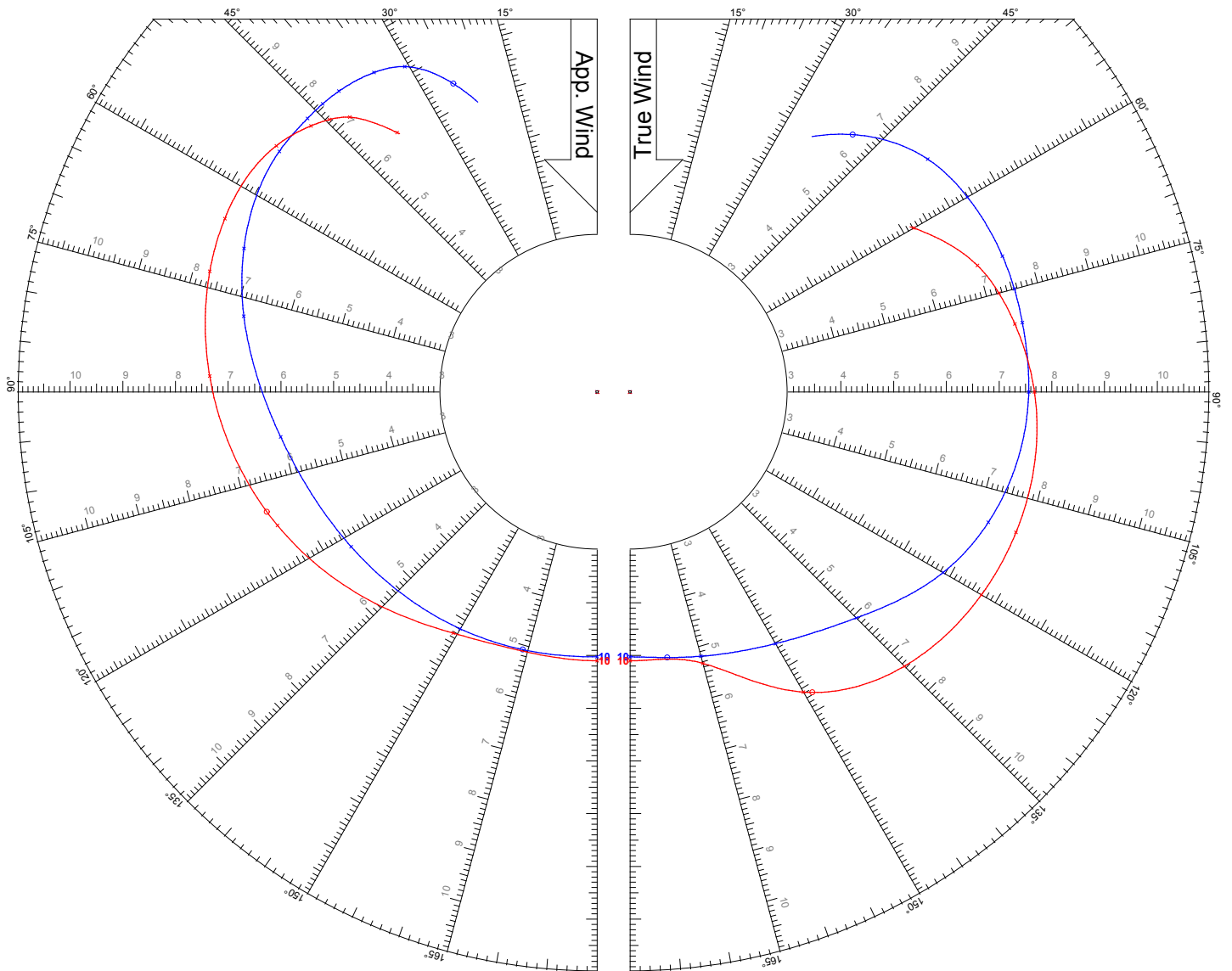
Polar Plot for Boat	
Name	
Sail Number	
Class	DEHLER 38
Designer	JUDEL/VROLIJK & CO
Builder	HANSE
Issued On	15/05/2020 - VPP 2020 1.01

TWS: 8 kts

Headsail

Asymmetric Spinnaker on Centerline

SPEED GUIDE DD SQUARETOP



Polar Plot for Boat	
Name	
Sail Number	
Class	DEHLER 38
Designer	JUDEL/VROLIJK & CO
Builder	HANSE
Issued On	15/05/2020 - VPP 2020 1.01

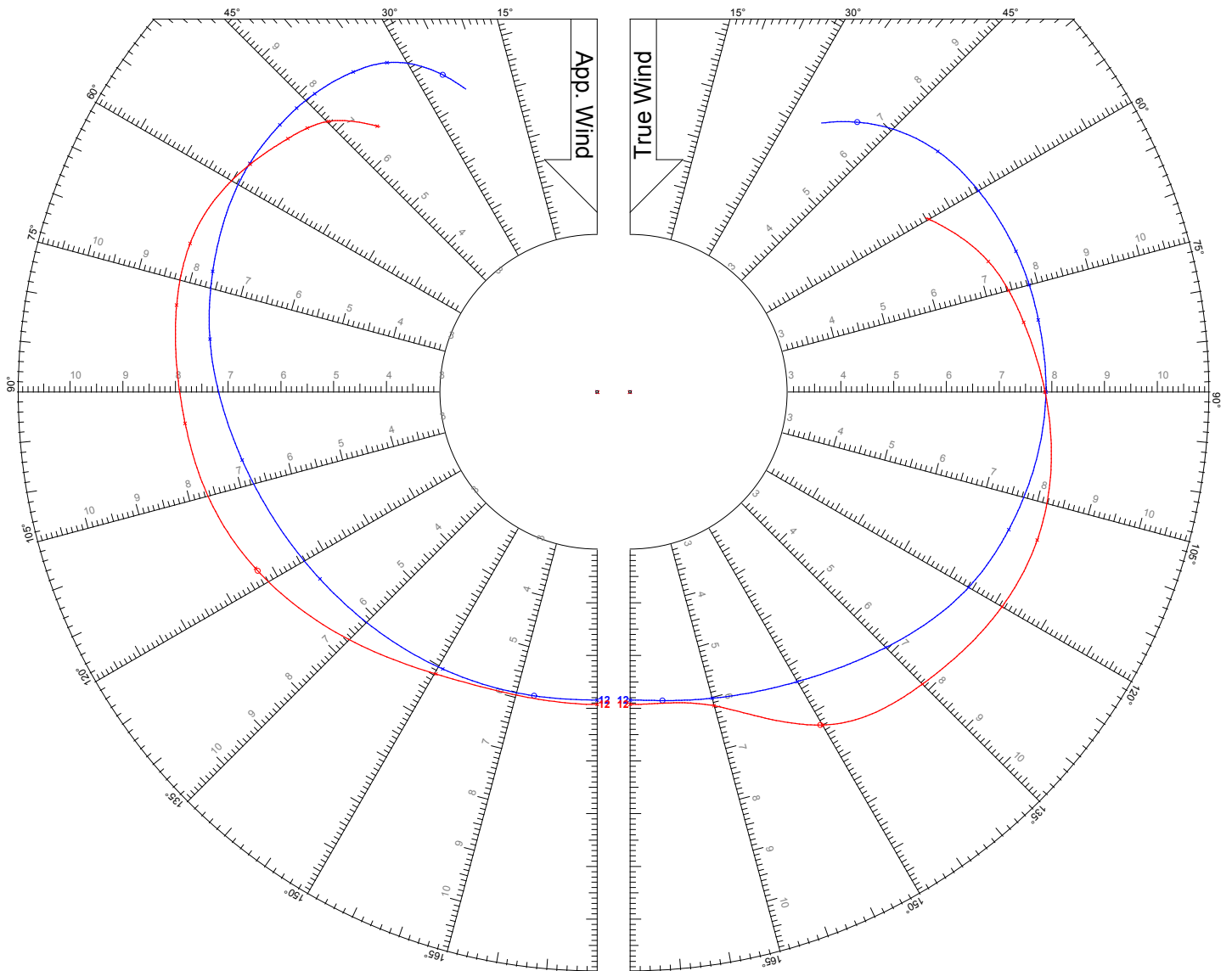
TWS: 10 kts

Headsail

Asymmetric Spinnaker on Centerline

SPEED GUIDE

DD SQUARETOP



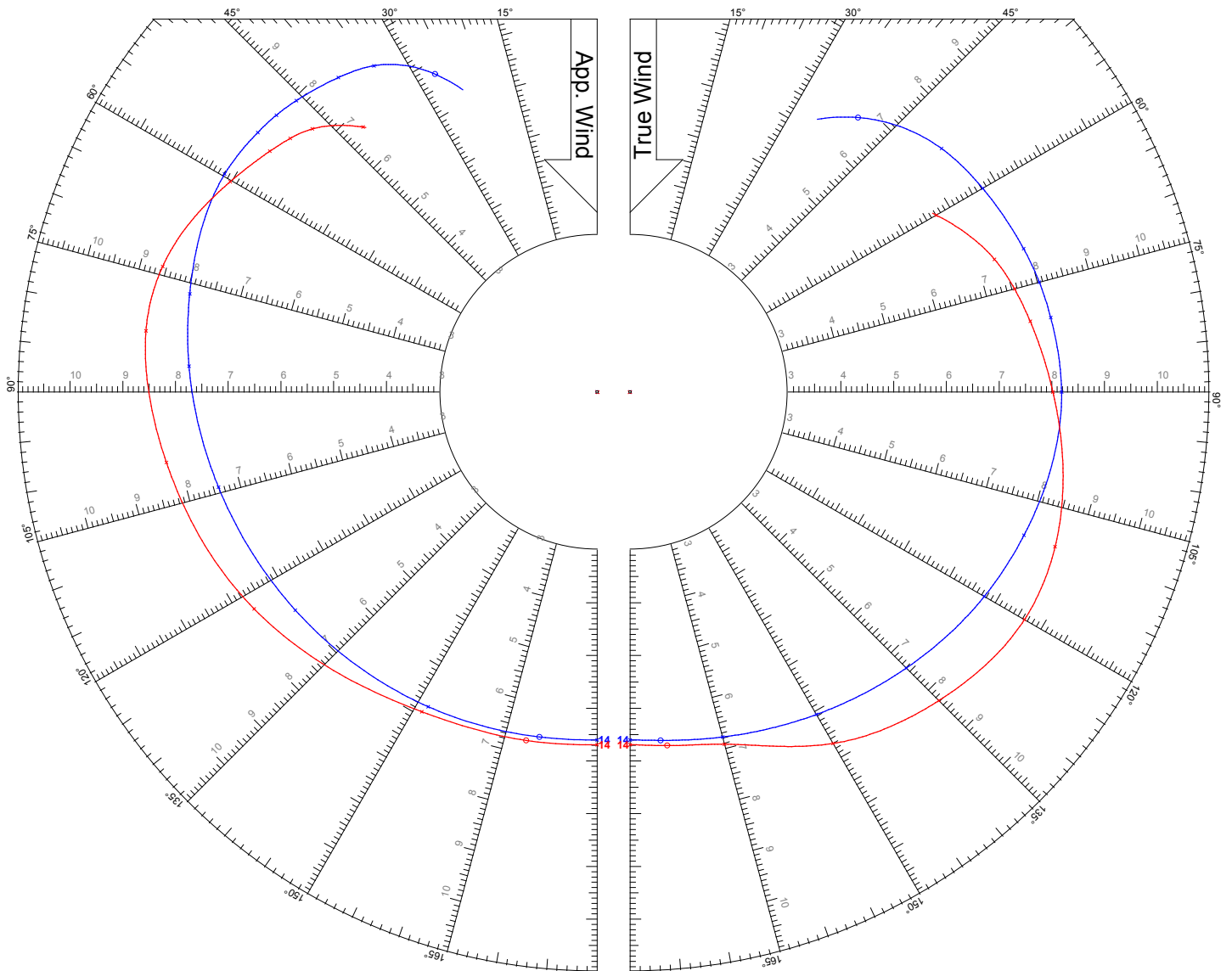
Polar Plot for Boat	
Name	
Sail Number	
Class	DEHLER 38
Designer	JUDEL/VROLIJK & CO
Builder	HANSE
Issued On	15/05/2020 - VPP 2020 1.01

TWS: 12 kts

Headsail

Asymmetric Spinnaker on Centerline

SPEED GUIDE DD SQUARETOP



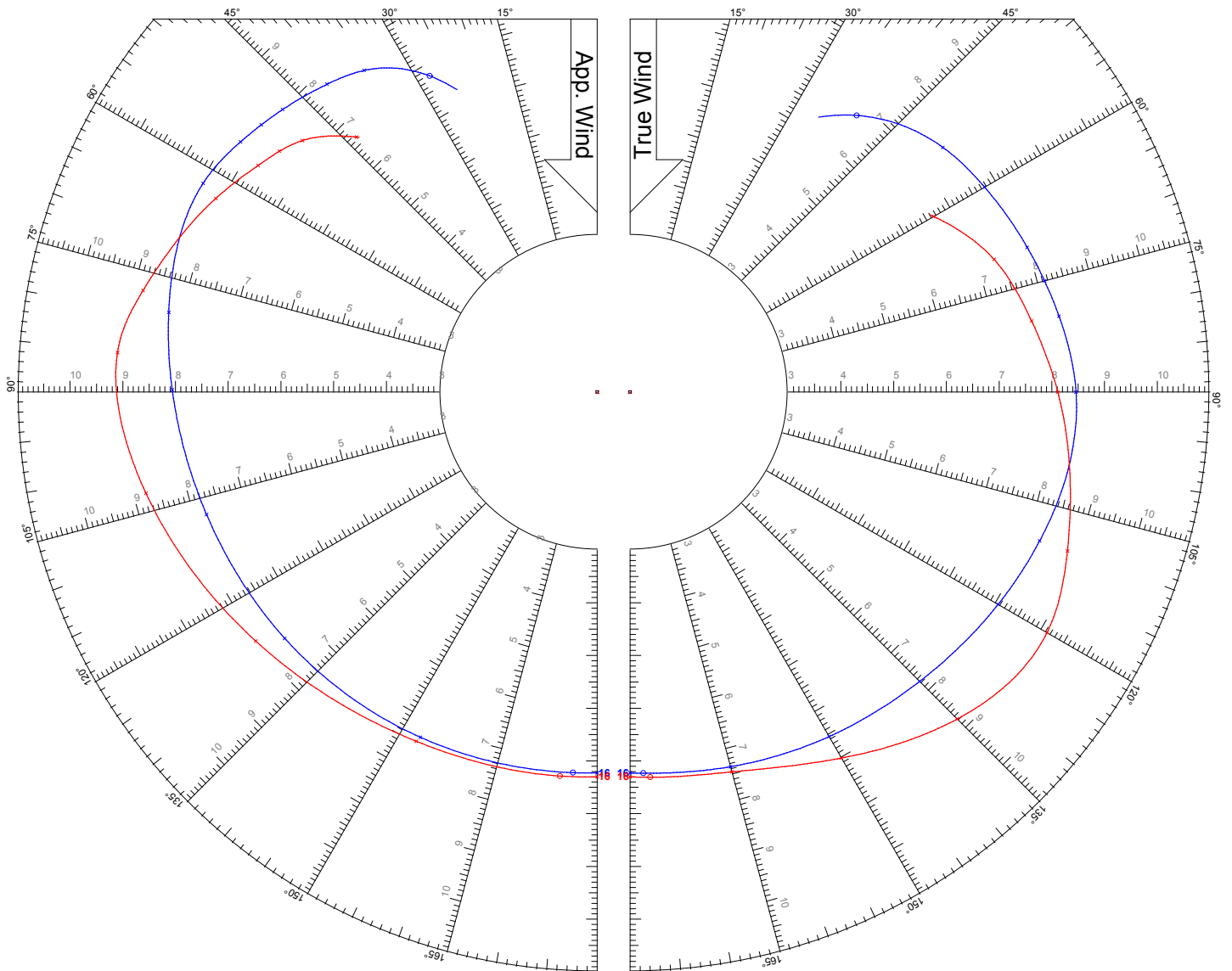
Polar Plot for Boat	
Name	
Sail Number	
Class	DEHLER 38
Designer	JUDEL/VROLIJK & CO
Builder	HANSE
Issued On	15/05/2020 - VPP 2020 1.01

TWS: 14 kts

Headsail

Asymmetric Spinnaker on Centerline

SPEED GUIDE DD SQUARETOP



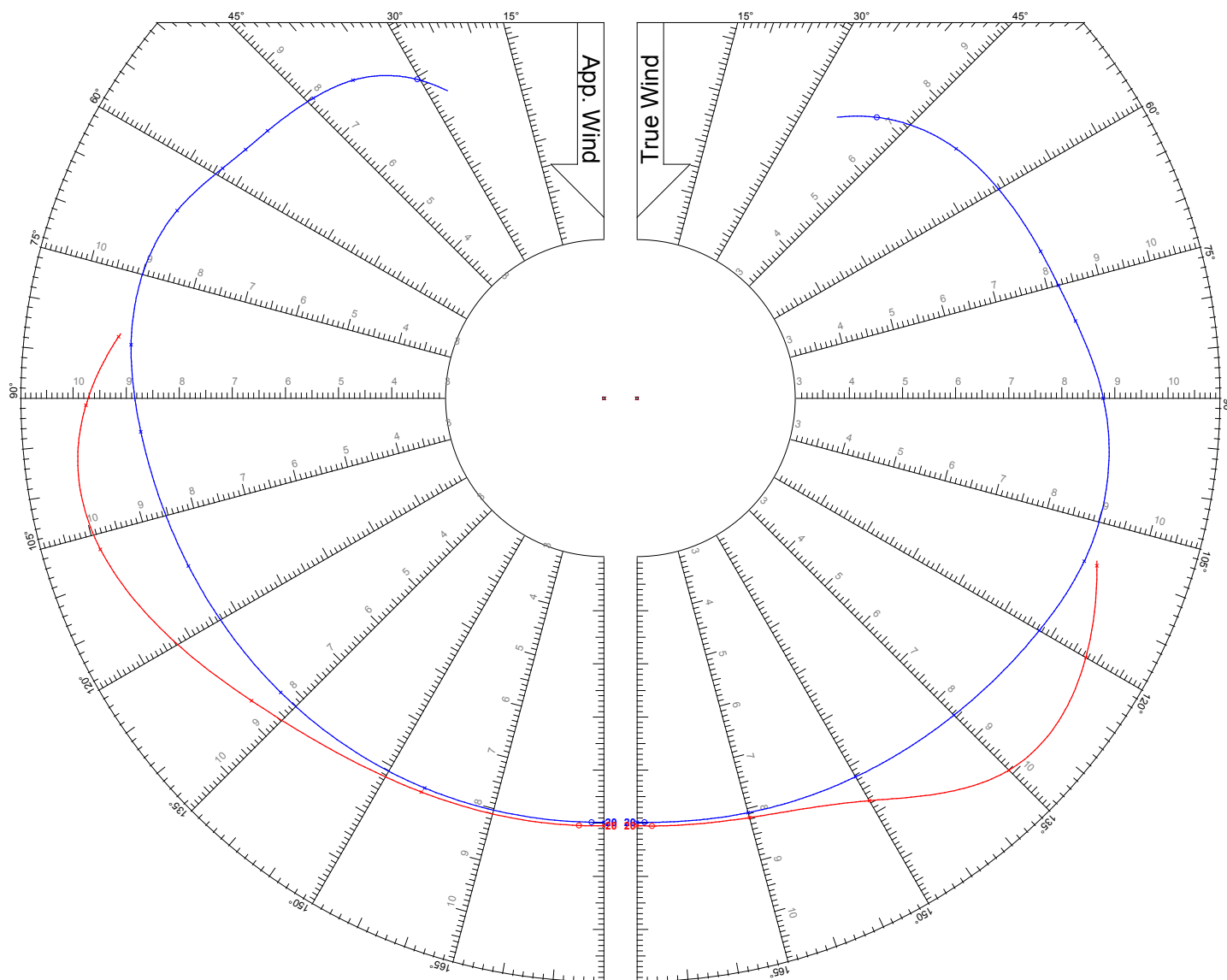
Polar Plot for Boat	
Name	
Sail Number	
Class	DEHLER 38
Designer	JUDEL/VROLIJK & CO
Builder	HANSE
Issued On	15/05/2020 - VPP 2020 1.01

TWS: 16 kts

Headsail

Asymmetric Spinnaker on Centerline

SPEED GUIDE DD SQUARETOP



Polar Plot for Boat	
Name	
Sail Number	
Class	DEHLER 38
Designer	JUDEL/VROLIJK & CO
Builder	HANSE
Issued On	15/05/2020 - VPP 2020 1.01

TWS: 20 kts

Headsail

Asymmetric Spinnaker on Centerline

SPEED GUIDE

DD SQUARETOP



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Polar Tables

Boat Name:
Sail No:
Sail: **Best Performance**
Issued On: **15/05/2020 - VPP 2020 1.01**

TWS = 6 Kts

TWA	BTW	VMG	AWS	AWA	Heel	Reef	Flat
43.1° (b)	4.91	3.58	10.15	23.8°	7.2°	1.00	0.99
52°	5.48	3.37	10.32	27.3°	4.2°	1.00	1.00
60°	5.80	2.90	10.22	30.6°	3.9°	1.00	1.00
70°	6.03	2.06	9.86	34.9°	3.1°	1.00	1.00
75°	6.08	1.57	9.59	37.2°	2.5°	1.00	1.00
80°	6.09	1.06	9.27	39.6°	1.8°	1.00	1.00
90°	6.04	0.00	8.52	44.8°	0.3°	1.00	1.00
110°	6.04	2.06	6.90	54.8°	1.4°	1.00	1.00
120°	5.87	2.93	5.93	61.1°	0.0°	1.00	1.00
135°	5.28	3.73	4.37	76.3°	0.0°	1.00	1.00
150°	4.42	3.83	3.10	104.5°	-0.1°	1.00	1.00
165°	3.35	3.24	2.90	147.6°	4.4°	1.00	1.00
180°	3.17	3.17	2.83	180.0°	4.3°	1.00	1.00
144.0° (r)	4.78	3.87	3.53	91.2°	0.1°	1.00	1.00

TWS = 8 Kts

TWA	BTW	VMG	AWS	AWA	Heel	Reef	Flat
41.6° (b)	5.79	4.33	12.92	24.3°	10.7°	1.00	0.99
52°	6.51	4.01	13.06	28.9°	11.3°	1.00	1.00
60°	6.82	3.41	12.85	32.6°	10.5°	1.00	1.00
70°	7.01	2.40	12.31	37.6°	8.8°	1.00	1.00
75°	7.05	1.82	11.95	40.3°	7.7°	1.00	1.00
80°	7.06	1.23	11.55	43.0°	6.5°	1.00	1.00
90°	7.13	0.00	10.72	48.3°	12.8°	1.00	0.98
110°	7.21	2.47	8.75	59.2°	6.7°	1.00	1.00
120°	7.06	3.53	7.58	66.2°	3.0°	1.00	1.00
135°	6.49	4.59	5.72	81.7°	0.0°	1.00	1.00
150°	5.59	4.84	4.22	108.6°	0.0°	1.00	1.00
165°	4.40	4.25	3.92	148.1°	5.9°	1.00	1.00
180°	4.18	4.18	3.82	180.0°	4.3°	1.00	1.00
148.0° (r)	5.71	4.84	4.37	104.2°	0.0°	1.00	1.00

TWS = 10 Kts

TWA	BTW	VMG	AWS	AWA	Heel	Reef	Flat
40.9° (b)	6.45	4.88	15.47	25.0°	18.4°	1.00	0.95
52°	7.17	4.41	15.48	30.6°	19.4°	1.00	0.98
60°	7.39	3.69	15.12	35.0°	18.3°	1.00	1.00
70°	7.52	2.57	14.42	40.7°	15.2°	1.00	1.00
75°	7.55	1.95	14.00	43.6°	13.4°	1.00	1.00
80°	7.56	1.31	13.54	46.7°	11.7°	1.00	1.00
90°	7.67	0.00	12.60	52.5°	21.1°	1.00	0.95
110°	7.79	2.66	10.36	65.0°	12.3°	1.00	1.00
120°	7.70	3.85	9.07	72.7°	6.6°	1.00	1.00
135°	7.36	5.20	7.08	87.7°	0.0°	1.00	1.00
150°	6.57	5.69	5.42	112.7°	0.2°	1.00	1.00
165°	5.33	5.15	5.05	149.1°	7.4°	1.00	1.00
180°	5.10	5.10	4.90	180.0°	4.4°	1.00	1.00
148.8° (r)	6.67	5.70	5.52	109.9°	-0.3°	1.00	1.00

TWS = 12 Kts

TWA	BTW	VMG	AWS	AWA	Heel	Reef	Flat
40.1° (b)	6.69	5.11	17.65	26.0°	22.6°	1.00	0.84
52°	7.41	4.56	17.56	32.6°	25.1°	1.00	0.90
60°	7.63	3.82	17.14	37.3°	24.7°	1.00	0.94
70°	7.79	2.67	16.39	43.5°	21.9°	1.00	0.98
75°	7.84	2.03	15.94	46.6°	20.3°	1.00	1.00
80°	7.86	1.37	15.45	49.9°	17.5°	1.00	1.00
90°	7.89	0.00	14.36	56.7°	12.1°	1.00	1.00
110°	8.22	2.81	12.00	70.0°	18.7°	1.00	1.00
120°	8.15	4.07	10.61	78.3°	10.4°	1.00	1.00
135°	7.84	5.54	8.51	94.3°	1.4°	1.00	1.00
150°	7.30	6.32	6.75	117.3°	5.2°	1.00	1.00
165°	6.16	5.95	6.25	150.2°	8.3°	1.00	1.00
180°	5.93	5.93	6.07	180.0°	6.5°	1.00	1.00
150.3° (r)	7.28	6.32	6.73	117.8°	4.2°	1.00	1.00

TWS = 14 Kts

TWA	BTW	VMG	AWS	AWA	Heel	Reef	Flat
39.8° (b)	6.77	5.20	19.68	27.1°	23.5°	1.00	0.71
52°	7.50	4.61	19.53	34.4°	25.8°	1.00	0.77
60°	7.72	3.86	19.07	39.5°	26.9°	1.00	0.83
70°	7.94	2.72	18.31	45.9°	27.1°	1.00	0.92
75°	8.04	2.08	17.86	49.2°	25.3°	1.00	0.94
80°	8.10	1.41	17.35	52.6°	23.1°	1.00	0.97
90°	8.19	0.00	16.22	59.7°	17.2°	1.00	1.00
110°	8.58	2.93	13.69	73.9°	21.9°	0.99	0.94
120°	8.64	4.32	12.23	82.3°	15.3°	1.00	1.00
135°	8.28	5.86	10.03	99.3°	3.4°	1.00	1.00
150°	7.70	6.67	8.28	122.3°	5.4°	1.00	1.00
165°	6.92	6.68	7.53	151.3°	8.9°	1.00	1.00
180°	6.69	6.69	7.31	180.0°	6.9°	1.00	1.00
174.0° (r)	6.75	6.71	7.32	168.5°	7.9°	1.00	1.00

TWS = 16 Kts

TWA	BTW	VMG	AWS	AWA	Heel	Reef	Flat
39.4° (b)	6.78	5.24	21.67	27.9°	21.8°	0.89	0.61
52°	7.53	4.64	21.47	36.0°	26.3°	1.00	0.66
60°	7.77	3.88	20.99	41.3°	27.4°	1.00	0.71
70°	8.02	2.74	20.20	48.1°	28.0°	1.00	0.80
75°	8.14	2.11	19.74	51.5°	28.0°	1.00	0.85
80°	8.26	1.43	19.24	55.0°	28.2°	1.00	0.92
90°	8.46	0.00	18.10	62.1°	22.9°	1.00	0.99
110°	8.83	3.02	15.40	77.4°	22.0°	0.93	0.94
120°	9.13	4.57	13.90	85.3°	21.2°	1.00	1.00
135°	8.77	6.20	11.60	102.7°	6.1°	1.00	1.00
150°	8.02	6.94	9.90	126.1°	5.1°	1.00	1.00
165°	7.46	7.21	9.00	152.6°	9.9°	1.00	1.00
180°	7.30	7.30	8.70	180.0°	7.3°	1.00	1.00
177.0° (r)	7.32	7.31	8.70	174.5°	7.8°	1.00	1.00

TWS = 20 Kts

TWA	BTW	VMG	AWS	AWA	Heel	Reef	Flat
40.5° (b)	6.95	5.29	25.69	30.4°	23.0°	0.47	0.61
52°	7.63	4.70	25.42	38.3°	25.4°	0.49	0.61
60°	7.87	3.93	24.88	44.1°	23.9°	0.51	0.61
70°	8.09	2.77	24.00	51.5°	24.2°	0.80	0.61
75°	8.22	2.13	23.51	55.3°	29.3°	1.00	0.67
80°	8.39	1.46	22.99	58.9°	29.9°	1.00	0.73
90°	8.78	0.00	21.84	66.3°	30.3°	1.00	0.88
110°	9.22	3.15	18.94	82.8°	22.1°	0.85	0.85
120°	9.76	4.88	17.32	90.8°	22.0°	0.92	0.94
135°	9.90	7.00	14.76	106.7°	12.6°	1.00	1.00
150°	8.75	7.58	13.17	130.6°	6.7°	1.00	1.00
165°	8.17	7.89	12.29	155.1°	5.8°	1.00	1.00
180°	8.05	8.05	11.95	180.0°	4.6°	1.00	1.00
178.0° (r)	8.06	8.05	11.95	176.7°	2.6°	1.00	1.00

SPEED GUIDE

DD SQUARETOP



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Polar Tables

Boat Name:

Sail No:

Sail: **Jib**

Issued On: **15/05/2020 - VPP 2020 1.01**

TWS = 6 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.1° (b)	4.91	3.58	10.01	23.4°	7.2°	1.00	0.99
52°	5.48	3.37	10.19	26.9°	4.2°	1.00	1.00
60°	5.80	2.90	10.10	30.1°	3.9°	1.00	1.00
70°	6.03	2.06	9.74	34.4°	3.1°	1.00	1.00
75°	6.08	1.57	9.48	36.7°	2.5°	1.00	1.00
80°	6.09	1.06	9.16	39.1°	1.8°	1.00	1.00
90°	6.04	0.00	8.42	44.2°	0.3°	1.00	1.00
110°	5.44	1.86	6.50	58.1°	0.0°	1.00	1.00
120°	4.95	2.47	5.48	68.6°	0.0°	1.00	1.00
135°	4.09	2.89	4.18	91.3°	0.0°	1.00	1.00
150°	3.52	3.05	3.34	118.4°	4.7°	1.00	1.00
165°	3.24	3.13	2.86	148.2°	6.6°	1.00	1.00
180°	3.12	3.12	2.76	180.0°	6.5°	1.00	1.00
169.0° (r)	3.19	3.13	2.80	156.5°	4.2°	1.00	1.00

TWS = 8 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
41.6° (b)	5.79	4.33	12.70	23.7°	10.7°	1.00	0.99
52°	6.51	4.01	12.83	28.1°	11.3°	1.00	1.00
60°	6.82	3.41	12.62	31.8°	10.5°	1.00	1.00
70°	7.01	2.40	12.10	36.9°	8.8°	1.00	1.00
75°	7.05	1.82	11.76	39.5°	7.7°	1.00	1.00
80°	7.06	1.23	11.37	42.3°	6.5°	1.00	1.00
90°	7.04	0.00	10.51	47.9°	4.1°	1.00	1.00
110°	6.49	2.22	8.29	62.7°	0.0°	1.00	1.00
120°	5.99	2.99	7.11	73.2°	0.0°	1.00	1.00
135°	5.17	3.65	5.59	94.2°	0.1°	1.00	1.00
150°	4.58	3.97	4.50	119.7°	6.3°	1.00	1.00
165°	4.27	4.12	3.86	148.6°	6.8°	1.00	1.00
180°	4.11	4.11	3.72	180.0°	6.6°	1.00	1.00
170.0° (r)	4.20	4.13	3.77	158.9°	5.8°	1.00	1.00

TWS = 10 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
40.9° (b)	6.45	4.88	15.05	23.6°	18.4°	1.00	0.95
52°	7.17	4.41	15.00	28.8°	19.4°	1.00	0.98
60°	7.39	3.69	14.63	33.1°	18.3°	1.00	1.00
70°	7.52	2.57	13.99	39.2°	15.2°	1.00	1.00
75°	7.55	1.95	13.61	42.3°	13.4°	1.00	1.00
80°	7.56	1.31	13.19	45.5°	11.7°	1.00	1.00
90°	7.56	0.00	12.28	52.0°	8.0°	1.00	1.00
110°	7.23	2.47	10.00	67.2°	1.0°	1.00	1.00
120°	6.86	3.43	8.73	77.1°	0.0°	1.00	1.00
135°	6.07	4.29	7.03	97.4°	0.0°	1.00	1.00
150°	5.51	4.78	5.72	121.6°	7.2°	1.00	1.00
165°	5.19	5.01	4.95	149.5°	7.6°	1.00	1.00
180°	5.02	5.02	4.76	180.0°	6.6°	1.00	1.00
172.0° (r)	5.09	5.04	4.79	163.6°	7.3°	1.00	1.00

TWS = 12 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
40.1° (b)	6.69	5.11	17.01	23.9°	22.6°	1.00	0.84
52°	7.41	4.56	16.72	29.6°	25.1°	1.00	0.90
60°	7.63	3.82	16.24	34.2°	24.7°	1.00	0.94
70°	7.79	2.67	15.54	40.7°	21.9°	1.00	0.98
75°	7.84	2.03	15.14	44.2°	20.3°	1.00	1.00
80°	7.86	1.37	14.77	47.9°	17.5°	1.00	1.00
90°	7.89	0.00	13.91	55.4°	12.1°	1.00	1.00
110°	7.64	2.61	11.63	71.9°	3.2°	1.00	1.00
120°	7.41	3.71	10.33	81.6°	0.1°	1.00	1.00
135°	6.86	4.85	8.50	100.2°	0.2°	1.00	1.00
150°	6.34	5.49	6.99	123.5°	8.2°	1.00	1.00
165°	6.02	5.81	6.12	150.5°	8.1°	1.00	1.00
180°	5.84	5.84	5.90	180.0°	6.7°	1.00	1.00
174.0° (r)	5.89	5.85	5.91	168.1°	7.5°	1.00	1.00

TWS = 14 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.8° (b)	6.77	5.20	18.86	24.8°	23.5°	1.00	0.71
52°	7.50	4.61	18.45	31.2°	25.8°	1.00	0.77
60°	7.72	3.86	17.81	35.7°	26.9°	1.00	0.83
70°	7.94	2.72	16.88	42.0°	27.1°	1.00	0.92
75°	8.04	2.08	16.51	45.7°	25.3°	1.00	0.94
80°	8.10	1.41	16.13	49.6°	23.1°	1.00	0.97
90°	8.19	0.00	15.39	57.9°	17.2°	1.00	1.00
110°	7.95	2.72	13.26	75.8°	5.6°	1.00	1.00
120°	7.76	3.88	11.96	85.8°	2.0°	1.00	1.00
135°	7.41	5.24	10.03	103.5°	0.5°	1.00	1.00
150°	7.07	6.12	8.29	125.6°	10.7°	1.00	1.00
165°	6.78	6.54	7.34	151.5°	8.7°	1.00	1.00
180°	6.60	6.60	7.10	180.0°	7.1°	1.00	1.00
175.0° (r)	6.63	6.61	7.11	170.4°	7.7°	1.00	1.00

TWS = 16 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.4° (b)	6.78	5.24	20.70	25.9°	21.8°	0.89	0.61
52°	7.53	4.64	20.13	32.5°	26.3°	1.00	0.66
60°	7.77	3.88	19.43	37.4°	27.4°	1.00	0.71
70°	8.02	2.74	18.40	43.8°	28.0°	1.00	0.80
75°	8.14	2.11	17.87	47.3°	28.0°	1.00	0.85
80°	8.26	1.43	17.27	50.7°	28.2°	1.00	0.92
90°	8.46	0.00	16.62	59.4°	22.9°	1.00	0.99
110°	8.27	2.83	14.88	78.8°	8.7°	1.00	1.00
120°	8.06	4.03	13.60	89.2°	4.3°	1.00	1.00
135°	7.77	5.49	11.61	106.9°	4.4°	1.00	1.00
150°	7.55	6.54	9.81	128.0°	9.6°	1.00	1.00
165°	7.36	7.11	8.72	152.7°	9.3°	1.00	1.00
180°	7.23	7.23	8.43	180.0°	7.2°	1.00	1.00
178.0° (r)	7.24	7.23	8.42	176.3°	7.7°	1.00	1.00

TWS = 20 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
40.5° (b)	6.95	5.29	24.05	27.9°	23.0°	0.47	0.61
52°	7.63	4.70	23.46	34.9°	25.4°	0.49	0.61
60°	7.87	3.93	22.90	40.8°	23.9°	0.51	0.61
70°	8.09	2.77	21.93	48.2°	24.2°	0.80	0.61
75°	8.22	2.13	20.80	50.7°	29.3°	1.00	0.67
80°	8.39	1.46	20.11	54.4°	29.9°	1.00	0.73
90°	8.78	0.00	18.79	62.1°	30.3°	1.00	0.88
110°	8.96	3.07	17.77	82.7°	16.7°	1.00	1.00
120°	8.75	4.37	16.78	93.7°	10.6°	1.00	1.00
135°	8.44	5.97	14.89	111.6°	5.7°	1.00	1.00
150°	8.23	7.13	13.07	132.0°	8.2°	1.00	1.00
165°	8.08	7.80	11.93	155.1°	8.0°	1.00	1.00
180°	7.98	7.98	11.59	180.0°	7.0°	1.00	1.00
179.0° (r)	7.99	7.98	11.60	178.3°	2.7°	1.00	1.00

SPEED GUIDE

DD SQUARETOP



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Polar Tables

Boat Name:
Sail No:
Sail: **Asymmetric Spinnaker on CL**
Issued On: **15/05/2020 - VPP 2020 1.01**

TWS = 6 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
0.0° (b)	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
52°	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
60°	4.25	2.13	8.89	35.5°	2.1°	1.00	0.96
70°	5.09	1.74	9.06	38.1°	3.8°	1.00	0.96
75°	5.41	1.40	9.02	39.5°	4.5°	1.00	0.96
80°	5.66	0.98	8.89	41.1°	4.9°	1.00	0.96
90°	5.98	0.00	8.43	44.8°	4.6°	1.00	0.97
110°	6.04	2.06	6.88	54.4°	1.4°	1.00	1.00
120°	5.87	2.93	5.91	60.7°	0.0°	1.00	1.00
135°	5.28	3.73	4.34	75.6°	0.0°	1.00	1.00
150°	4.42	3.83	3.05	103.5°	-0.1°	1.00	1.00
165°	3.35	3.24	2.83	147.2°	4.4°	1.00	1.00
180°	3.17	3.17	2.76	180.0°	4.3°	1.00	1.00
144.0° (r)	4.78	3.87	3.49	90.3°	0.1°	1.00	1.00

TWS = 8 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
0.0° (b)	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
52°	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
60°	5.38	2.69	11.56	36.0°	9.2°	1.00	0.96
70°	6.29	2.15	11.58	38.9°	12.6°	1.00	0.96
75°	6.62	1.71	11.42	40.6°	13.8°	1.00	0.96
80°	6.86	1.19	11.18	42.6°	14.0°	1.00	0.96
90°	7.13	0.00	10.51	47.3°	12.8°	1.00	0.98
110°	7.21	2.47	8.66	58.7°	6.7°	1.00	1.00
120°	7.06	3.53	7.52	65.7°	3.0°	1.00	1.00
135°	6.49	4.59	5.67	81.0°	0.0°	1.00	1.00
150°	5.59	4.84	4.14	107.6°	0.0°	1.00	1.00
165°	4.40	4.25	3.83	147.9°	5.9°	1.00	1.00
180°	4.18	4.18	3.73	180.0°	4.3°	1.00	1.00
148.0° (r)	5.71	4.84	4.30	103.3°	0.0°	1.00	1.00

TWS = 10 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
0.0° (b)	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
52°	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
60°	6.21	3.11	13.79	36.0°	18.8°	1.00	0.94
70°	7.01	2.40	13.46	39.6°	21.9°	0.98	0.92
75°	7.24	1.87	13.16	42.0°	22.0°	0.97	0.93
80°	7.41	1.29	12.79	44.5°	22.1°	0.98	0.92
90°	7.67	0.00	11.97	50.1°	21.1°	1.00	0.95
110°	7.79	2.66	10.09	64.1°	12.3°	1.00	1.00
120°	7.70	3.85	8.95	72.1°	6.6°	1.00	1.00
135°	7.36	5.20	7.00	87.0°	0.0°	1.00	1.00
150°	6.57	5.69	5.32	111.8°	0.2°	1.00	1.00
165°	5.33	5.15	4.92	149.0°	7.4°	1.00	1.00
180°	5.10	5.10	4.78	180.0°	4.4°	1.00	1.00
148.8° (r)	6.67	5.70	5.42	109.1°	-0.3°	1.00	1.00

TWS = 12 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
0.0° (b)	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
52°	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
60°	6.55	3.27	15.59	37.2°	21.8°	0.92	0.92
70°	7.23	2.47	15.18	42.2°	22.0°	0.91	0.84
75°	7.43	1.92	14.81	45.0°	22.1°	0.91	0.85
80°	7.58	1.32	14.39	48.1°	22.0°	0.93	0.84
90°	7.87	0.00	13.43	54.1°	22.0°	0.93	0.92
110°	8.22	2.81	11.32	68.3°	18.7°	1.00	1.00
120°	8.15	4.07	10.34	77.6°	10.4°	1.00	1.00
135°	7.84	5.54	8.40	93.7°	1.4°	1.00	1.00
150°	7.30	6.32	6.60	116.7°	5.2°	1.00	1.00
165°	6.16	5.95	6.10	150.1°	8.3°	1.00	1.00
180°	5.93	5.93	5.93	180.0°	6.5°	1.00	1.00
150.3° (r)	7.28	6.32	6.59	117.1°	4.2°	1.00	1.00

TWS = 14 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
0.0° (b)	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
52°	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
60°	6.71	3.35	17.35	38.9°	22.1°	0.85	0.84
70°	7.36	2.52	16.83	44.5°	22.3°	0.85	0.79
75°	7.55	1.95	16.42	47.6°	22.2°	0.85	0.81
80°	7.71	1.34	15.96	50.9°	22.0°	0.85	0.84
90°	8.02	0.00	14.94	57.5°	22.0°	0.87	0.88
110°	8.58	2.93	12.59	72.0°	21.9°	0.99	0.94
120°	8.64	4.32	11.66	81.4°	15.3°	1.00	1.00
135°	8.28	5.86	9.88	98.7°	3.4°	1.00	1.00
150°	7.70	6.67	8.09	121.8°	5.4°	1.00	1.00
165°	6.92	6.68	7.35	151.2°	8.9°	1.00	1.00
180°	6.69	6.69	7.14	180.0°	6.9°	1.00	1.00
174.0° (r)	6.75	6.71	7.15	168.4°	7.9°	1.00	1.00

TWS = 16 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
0.0° (b)	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
52°	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
60°	6.65	3.32	19.02	40.7°	22.6°	0.85	0.66
70°	7.35	2.51	18.47	46.8°	22.6°	0.85	0.64
75°	7.56	1.96	18.05	50.1°	22.4°	0.85	0.65
80°	7.73	1.34	17.55	53.6°	22.3°	0.85	0.68
90°	8.11	0.00	16.48	60.5°	22.1°	0.85	0.76
110°	8.83	3.02	14.03	75.6°	22.0°	0.93	0.94
120°	9.13	4.57	12.74	84.2°	21.2°	1.00	1.00
135°	8.77	6.20	11.36	102.2°	6.1°	1.00	1.00
150°	8.02	6.94	9.69	125.7°	5.1°	1.00	1.00
165°	7.46	7.21	8.78	152.7°	9.9°	1.00	1.00
180°	7.30	7.30	8.50	180.0°	7.3°	1.00	1.00
177.0° (r)	7.32	7.31	8.50	174.5°	7.8°	1.00	1.00

TWS = 20 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
0.0° (b)	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
52°	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
60°	-0.01	-0.01	17.57	56.8°	28.1°	0.85	0.62
70°	-0.01	-0.01	17.26	67.6°	28.1°	0.85	0.62
75°	-0.01	-0.01	17.15	73.1°	28.1°	0.85	0.62
80°	-0.01	-0.01	17.06	78.7°	28.1°	0.85	0.62
90°	-0.01	-0.01	16.99	90.0°	28.1°	0.85	0.62
110°	9.22	3.15	17.03	81.2°	22.1°	0.85	0.85
120°	9.76	4.88	15.63	89.9°	22.0°	0.92	0.94
135°	9.90	7.00	14.17	106.5°	12.6°	1.00	1.00
150°	8.75	7.58	12.88	130.4°	6.7°	1.00	1.00
165°	8.17	7.89	12.05	155.0°	5.8°	1.00	1.00
180°	8.05	8.05	11.72	180.0°	4.6°	1.00	1.00
178.0° (r)	8.06	8.05	11.72	176.6°	2.6°	1.00	1.00