



PTJ		6.9m		5.2m		360°		JPN						
mm	m	6.5	6.5	6.5	6.5	23.6	23.6	28.0	28.0	28.0	28.0	m		
mm	°	5	25	45	60	5	25	45	60	5	25	45	60	
3.0	1.50												3.0	
3.5	1.50												3.5	
4.0	1.50	1.30				1.50							4.0	
4.5	1.50	1.20				1.50							4.5	
5.0	1.50	1.15				1.50				1.50			5.0	
5.5	1.45	1.10	0.82			1.50				1.50			5.5	
6.0	1.35	1.05	0.82			1.50				1.50			6.0	
6.5	1.25	1.00	0.80	0.69		1.50	1.30			1.50			6.5	
7.0	1.15	0.95	0.78	0.67		1.50	1.30			1.50			7.0	
7.5	1.05	0.90	0.76	0.66		1.50	1.25			1.50	1.30		7.5	
8.0	1.00	0.85	0.74	0.65		1.50	1.20	0.82		1.50	1.30		8.0	
9.0	0.85	0.75	0.70	0.64		1.50	1.15	0.82	0.69	1.50	1.22	0.82	9.0	
10.0	0.75	0.70	0.68			1.50	1.10	0.80	0.68	1.50	1.16	0.82	0.69	10.0
11.0	0.65	0.70				1.50	1.05	0.78	0.67	1.50	1.11	0.80	0.68	11.0
12.0						1.45	1.00	0.76	0.66	1.50	1.06	0.78	0.68	12.0
13.0						1.40	0.95	0.74	0.66	1.45	1.02	0.76	0.67	13.0
14.0						1.33	0.93	0.73	0.65	1.40	0.99	0.75	0.66	14.0
15.0						1.23	0.90	0.72	0.65	1.32	0.96	0.74	0.65	15.0
16.0						1.15	0.87	0.70	0.64	1.25	0.92	0.73	0.64	16.0
17.0						1.07	0.84	0.69	0.64	1.17	0.90	0.72	0.64	17.0
18.0						1.03	0.81	0.68		1.08	0.87	0.71	0.64	18.0
20.0						0.86	0.77	0.67		0.90	0.82	0.69	0.64	20.0
22.0						0.63	0.74	0.67		0.70	0.77	0.68		22.0
23.0						0.52	0.62			0.60	0.67	0.67		23.0
24.0						0.44	0.51			0.50	0.57	0.61		24.0
26.0						0.28	0.32			0.33	0.39	0.42		26.0
28.0										0.20	0.24			28.0
1	0	0	0	0	0	100	100	100	100	100	100	100	100	1
2	0	0	0	0	0	100	100	100	100	100	100	100	100	2
3	0	0	0	0	0	66	66	66	66	100	100	100	100	3
4	0	0	0	0	0	66	66	66	66	100	100	100	100	4
5	0	0	0	0	0	66	66	66	66	100	100	100	100	5
MODE	1	1	1	1	1	1	1	1	1	1	1	1	1	MODE
[DEG]	[DEG]	23~82.5	30~82.5	41~82.5	55~82.5	26~82.5	28~82.5	46~82.5	62~82.5	34~82.5	37~82.5	44~82.5	61~82.5	[DEG]

MB		4.8m		360°		JPN		
mm	m	6.5	10.7	14.9	19.3	23.6	28.0	m
2.5	16.00	12.00	9.00	7.00				2.5
3.0	16.00	12.00	9.00	7.00				3.0
3.5	14.00	12.00	9.00	7.00	5.00	3.50	3.5	
4.0	12.50	12.00	9.00	7.00	5.00	3.50	4.0	
4.5	11.70	11.10	9.00	7.00	5.00	3.50	4.5	
5.0	(4.4m)	10.20	8.90	7.00	5.00	3.50	5.0	
5.5		9.05	8.20	7.00	5.00	3.50	5.5	
6.0		7.85	7.45	6.60	5.00	3.50	6.0	
7.0		5.60	5.60	5.80	4.80	3.50	7.0	
8.0		4.90	4.25	4.70	4.25	3.40	8.0	
9.0		3.70	3.35	3.75	3.70	3.20	9.0	
10.0		(8.6m)	2.65	3.05	3.30	2.90	10.0	
11.0			2.10	2.50	2.70	2.60	11.0	
12.0			1.65	2.05	2.25	2.35	12.0	
13.0			1.35	1.65	1.90	2.10	13.0	
14.0			(12.8m)	1.30	1.60	1.75	14.0	
15.0				1.05	1.35	1.50	15.0	
16.0				0.85	1.15	1.30	16.0	
17.0				0.70	0.95	1.10	17.0	
18.0					0.75	0.95	18.0	
19.0					0.60	0.80	19.0	
20.0					0.50	0.65	20.0	
22.0						0.45	22.0	
24.5							24.5	
1	0	50	100	100	100	100	1	
2	0	50	100	100	100	100	2	
3	0	0	0	33	66	100	3	
4	0	0	0	33	66	100	4	
5	0	0	0	33	66	100	5	
MODE	1	1	1	1	1	1	MODE	
[DEG]	[DEG]	0~82.5	0~82.5	0~82.5	0~82.5	25~82.5	[DEG]	
5		6	6	4	4	4		
16t		16t	16t	16t	16t	16t		

MB		4.4m		360°		JPN		
mm	m	6.5	10.7	14.9	19.3	23.6	28.0	m
2.5	16.00	12.00	9.00	7.00				2.5
3.0	16.00	12.00	9.00	7.00				3.0
3.5	14.00	12.00	9.00	7.00	5.00	3.50	3.5	
4.0	12.50	12.00	9.00	7.00	5.00	3.50	4.0	
4.5	11.55	11.10	9.00	7.00	5.00	3.50	4.5	
5.0	(4.4m)	9.00	8.55	7.00	5.00	3.50	5.0	
5.5		7.60	7.60	7.00	5.00	3.50	5.5	
6.0		6.45	6.40	6.80	5.00	3.50	6.0	
7.0		4.75	4.75	5.10	4.80	3.50	7.0	
8.0		3.60	3.65	3.95	4.15	3.40	8.0	
9.0		(8.6m)	3.05	2.85	3.15	3.50	9.0	
10.0			2.20	2.50	2.85	2.80	10.0	
11.0			1.70	2.00	2.35	2.40	11.0	
12.0			1.35	1.65	1.95	2.00	12.0	
13.0			(12.8m)	1.10	1.35	1.60	13.0	
14.0				1.05	1.35	1.45	14.0	
15.0				0.85	1.10	1.20	15.0	
16.0				0.65	0.90	1.00	16.0	
17.0					0.75	0.80	17.0	
18.0					0.60	0.70	18.0	
19.0					0.50	0.55	19.0	
20.0						0.50	20.0	
22.0							22.0	
24.5							24.5	
1	0	50	100	100	100	100	1	
2	0	50	100	100	100	100	2	
3	0	0	0	33	66	100	3	
4	0	0	0	33	66	100	4	
5	0	0	0	33	66	100	5	
MODE	1	1	1	1	1	1	MODE	
[DEG]	[DEG]	0~82.5	0~82.5	0~82.5	0~82.5	34~82.5	[DEG]	
5		6	6	4	4	4		
16t		16t	16t	16t	16t	16t		

MB		3.2m		360°		JPN		
mm	m	6.5	10.7	14.9	19.3	23.6	28.0	m
2.5	16.00	12.00	9.00	7.00				2.5
3.0	14.15	12.00	9.00	7.00				3.0
3.5	10.20	9.90	8.60	7.00	5.00	3.50	3.5	
4.0	7.75	7.95	7.55	7.00	5.00	3.50	4.0	
4.5	6.55	6.25	6.20	6.90	5.00	3.50	4.5	
5.0	(4.4m)	5.15	5.15	5.70	5.00	3.50	5.0	
5.5		4.35	4.30	4.80	4.30	3.50	5.5	
6.0		3.65	3.70	4.10	4.30	3.50	6.0	
7.0		2.70	2.70	3.05	3.20	3.35	7.0	
8.0		1.95	1.95	2.35	2.50	2.65	8.0	
9.0		1.65	1.40	1.80	1.95	2.10	9.0	
10.0		(8.6m)	1.00	1.40	1.60	1.70	10.0	
11.0			0.85	1.05	1.25	1.35	11.0	
12.0			0.40	0.75	0.95	1.05	12.0	
13.0				0.50	0.75	0.85	13.0	
14.0				0.35	0.55	0.65	14.0	
15.0					0.35	0.50	15.0	
16.0							16.0	
17.0							17.0	
18.0							18.0	
19.0							19.0	
20.0							20.0	
22.0							22.0	
24.5							24.5	
1	0	50	100	100	100	100	1	
2	0	50	100	100	100	100	2	
3	0	0	0	33	66	100	3	
4	0	0	0	33	66	100	4	
5	0	0	0	33	66	100	5	
MODE	1	1	1	1	1	1	MODE	
[DEG]	[DEG]	0~82.5	0~82.5	0~82.5	31~82.5	42~82.5	50~82.5	[DEG]
5		6	6	4	4	4	4	
16t		16t	16t	16t	16t	16t	16t	

MB		(H=1.79m)		360°		JPN		
mm	m	6.5	10.7	14.9	19.3	23.6	28.0	m
2.5	6.55	6.55	6.85	6.80				2.5
3.0	5.50	5.25	5.45	5.55				3.0
3.5	4.15	3.95	4.10	4.45	4.45	3.30	3.5	
4.0	3.15	3.10	3.15	3.50	3.65	3.25	4.0	
4.5	2.60	2.45	2.50	2.85	3.00	2.85	4.5	
5.0	(4.4m)	1.95	1.95	2.30	2.50	2.55	5.0	
5.5		1.55	1.50	1.85	2.05	2.10	5.5	
6.0		1.15	1.15	1.50	1.70	1.75	6.0	
7.0		0.60	0.55	0.95	1.15	1.25	7.0	
8.0							8.0	
9.0							9.0	
10.0							10.0	
11.0							11.0	
12.0							12.0	
13.0							13.0	
14.0							14.0	
15.0							15.0	
16.0							16.0	
17.0							17.0	
18.0							18.0	
19.0							19.0	
20.0							20.0	
22.0							22.0	
24.5								