MARINE ELECTRIC MOTOR

YBT-H Totally-Enclosed/Fan-Cooled /Three-Phase Marine Flameproof Motors

ISO9001 Supplier

Class Certificate

Export Supply

Introduction YBT-H Marine Flameproof Motors are designed and manufactured according to National Standard GB3836.1 “Electric apparatus for explosive gas atmosphere-part 1: general requirement” and GB3836.2 “El...



Key Highlights

Category	Marine Electric Motor
Standard	DIN
Weight / Size	55 1.5 1.4 1390 1710 YBT225M-6-H 30.0 61.1 53.1 985 1187 YBT80M2-4-H 0.7...
Certificate	CCS/LR/DNV/KR

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

Technical Specifications			
Category	Marine Electric Motor	**Model / SKU**	YBT-H-Totally-Enclosed-Fan-Cooled-Three-Phase-Marine-Flameproof-Motors

Standard	DIN

Weight / Size	55 1.5 1.4 1390 1710 YBT225M-6-H 30.0 61.1 53.1 985 1187 YBT80M2-4-H 0.75 2.1 1.8 1390 1710 YBT250M-6-H 37.0 71.0 61.3 980 1180 YBT90S-4-H 1.1 2.7 2.4 1400 1710 YBT132S-8-H 2.2 5.8 5.2 710 860 YBT90L-4-H 1.5 3.6 3.2 1400 1710 YBT132M-8-H 3.0 7.6 6.8 710 860 YBT100L1-4-H 2.2 5.0 4.5 1420 1730 YBT160M1-8-H 4.0 10.5 9.1 720 870 YBT100L2-4-H 3.0 6.8 5.9 1420 1730 YBT160M2-8-H 5.5 13.4 11.5 720 870 YBT112M-4-H 4.0 8.8 7.7 1440 1750 YBT160L-8-H 7.5 17.7 15.5 720 870 YBT132S-4-H 5.5 11.7 10.0 1440 1750 YBT180L-8-H 11.0 25.6 22.2 730 880 YBT132M-4-H 7.5 15.4 13.2 1440 1750 YBT200L-8-H 15.0 33.3 29.2 729 882 YBT160M-4-H 11.0 22.6 19.5 1460 1760 YBT225M-8-H 22.0 47.4 41.7 734 886 YBT160L-4-H 15.0 30.5 26.3 1460 1760 YBT250M-8-H 30.0 64.7 57.1 730 890 YBT180M-4-H 18.5 35.9 30.8 1470 1770 Mounting And Overall Dimension Frame size mounting and overall dimension B C D E F G Hl H2 e L LI L2 d dl g f M×t M Depth h 801 36 58±2 19 40 6 15.5 176 175 28 330 100 90 60 13.8 12 5 M16×1.5 M8 Depth 14 802 36 58±2 201 175 28 330 100 90 60 13.8 12 5 M16×1.5 M8 Depth 14 90S 36 62±2 24 50 8 20 280 190 28 340 100 90 60 15.8 14 5 M18×1.5 M8 Depth 14 90L 36 62±2 226 190 28 375 125 90 60 15.8 14 5 M18×1.5 M8 Depth 14 lOOL1 40 68±2 28 60 24 280/330/380 220 28 410 140 93 60 17.8 16 5 M20×1.5 M10 Depth 17 100L2 40 68±2 280/380 220 28 410 140 93 60 17.8 16 5 M20×1.5 M10 Depth 17 112M 40 76±2 280/380/410 245 28 430 140 102 60 17.8 16 5 M20×1.5 M10 Depth 17 132S1 40 89±2 38 80 10 33 280/435 285 32 450 140 120 60 21.8 20 5 M24×1.5 M10 Depth 17 132M 40 89±2 410/435/485 285 32

			495 178 120 60 21.8 20 5 M24×1.5 M10 Depth 17 160M 46 114±3 42 110 12 37 435/485/535 345 32 596 210 162 60 24.8 23 5 M27×1.5 M14 Depth 17 160L 46 114±3 485/535/585 345 32 646 254 162 60 24.8 23 5 M27×1.5 M14 Depth 17 180M 54 126±3 48 14 42.5 485/585 380 32 702 241 174 60 27.8 26 5 M30×1.5 M14 Depth 22 180L 54 126±3 535/585/642 380 32 740 279 174 60 27.8 26 5 M30×1.5 M14 Depth 22 200L1 60 133±3 55 16 49 585/642 430 32 740 305 186 60 30.8 29 6 M33×1.5 M16 Depth 26 200L2 60 133±3 742 430 32 740 305 186 60 30.8 29 6 M33×1.5 M16 Depth 26 225M 70 149±4 60 140 18 53 642/735/742 480 32 870 311 196 76 33.8 32 6 M36×1.5 M18 Depth 30 250M 70 168±4 65 140 18 58 740 526 40 1000 340 196 76 38 38 8 M42×1.5 M16 Depth 24 Note:
Certificate	CCS/LR/DNV/KR	**Warranty**	12 Months unless specified otherwise
Origin	China		

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Introduction

YBT-H Marine Flameproof Motors are designed and manufactured according to National Standard GB3836.1 “Electric apparatus for explosive gas atmosphere-part 1: general requirement” and GB3836.2 “Electric apparatus for explosive gas atmosphere –part2: flameproof enclosure “d”. It has the feature of high efficiency. Big rotation moment. low noise and convenient protection. The protection type of the motor is Exd ⅡBT4, temperature class from T1 to T4. It can be used on the mixture air of easy-ignition or steam and atmosphere that can be brought on explosion. This series can be worked with CBZ- Ⅱ flameproof ventilator on board ship. Rated voltage: 380V/440V Rated frequency: 50HZ/60HZ, Protection class: IP56, Insulation class: F , Duty: S1, Connection : Y connection (power below 3KW), the others are △ connection.

Operation Condition

Ambient temperature: -20℃ ~ 45℃ ;

Altitude: 0m;

Relative Humidity: ≤ 95%；

shock、Vibration、Dew、Salt mist.、Oil mist、Fungus, exists;

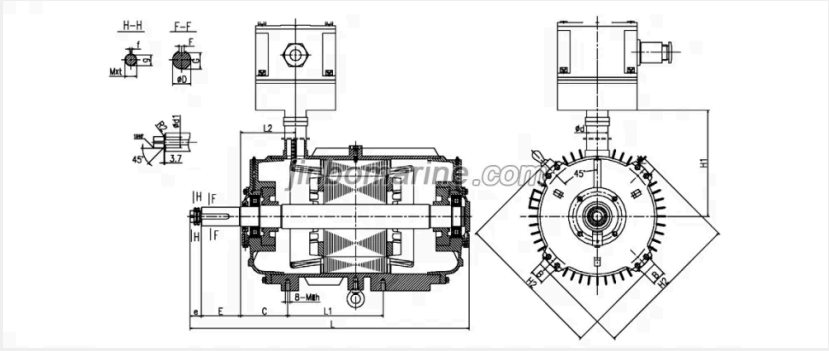
Inclination and swing:±22.5°

Main Technical Data

Type	Output (kW)	Current (A)		Speed (r/min)		Type	Output (kW)	Current (A)		Speed (r/min)	
		380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz			380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz
YBT80M1-2-H	0.75	1.8	1.6	2820	3460	YBT180L-4-H	22.0	42.2	36.9	1470	1770
YBT80M2-2-H	1.1	2.6	2.2	2820	3460	YBT200L-4-H	30.0	57.3	49.8	1476	1779
YBT90S-2-H	1.5	3.5	3.1	2840	3470	YBT225M-4-H	45.0	84.0	73.4	1480	1783
YBT90L-2-H	2.2	4.9	4.3	2840	3470	YBT250M-4-H	55.0	103.8	88.6	1480	1780
YBT100L-2-H	3.0	6.2	5.4	2880	3490	YBT90S-6-H	0.75	2.2	2.0	910	1130
YBT112M-2-H	4.0	8.2	7.1	2890	3500	YBT90L-6-H	1.1	3.2	2.9	910	1130
YBT132S1-2-H	5.5	11.0	9.6	2900	3520	YBT100L-6-H	1.5	4.0	3.5	940	1150
YBT132S2-2-H	7.5	14.6	12.9	2900	3520	YBT112M-6-H	2.2	5.6	4.9	940	1150
YBT160M1-2-H	11.0	21.6	18.7	2930	3540	YBT132S-6-H	3.0	7.2	6.4	960	1170
YBT160M2-2-H	15.0	28.9	25.1	2930	3540	YBT132M1-6-H	4.0	9.5	8.2	960	1170
YBT160L-2-H	18.5	35.7	30.3	2930	3540	YBT132M2-6-H	5.5	12.5	10.7	960	1170
YBT180M-2-H	22.0	42.2	36.9	2940	3550	YBT160M-6-H	7.5	17.1	14.8	970	1170
YBT200L1-2-H	30.0	57.9	50.3	2935	3560	YBT160L-6-H	11.0	25.0	21.7	970	1170

YBT200L 2-2-H	37.0	69.4	60.3	2960	3565	YBT180L- 6-H	15.0	33.0	29.3	970	1180
YBT225 M-2-H	45.0	85.9	76.3	2969	3572	YBT200L1 -6-H	18.5	37.6	32.7	980	1183
YBT250 M-2-H	55.0	103.2	91.7	2970	3570	YBT200L2 -6-H	22.0	44.7	38.9	980	1182
YBT80M 1-4-H	0. 55	1.5	1.4	1390	1710	YBT225M -6-H	30.0	61.1	53.1	985	1187
YBT80M 2-4-H	0.75	2.1	1.8	1390	1710	YBT250M -6-H	37.0	71.0	61.3	980	1180
YBT90S- 4-H	1.1	2.7	2.4	1400	1710	YBT132S- 8-H	2.2	5.8	5.2	710	860
YBT90L- 4-H	1.5	3.6	3.2	1400	1710	YBT132M -8-H	3.0	7.6	6.8	710	860
YBT100L 1-4-H	2.2	5.0	4.5	1420	1730	YBT160M 1-8-H	4.0	10.5	9.1	720	870
YBT100L 2-4-H	3.0	6.8	5.9	1420	1730	YBT160M 2-8-H	5.5	13.4	11.5	720	870
YBT112 M-4-H	4.0	8.8	7.7	1440	1750	YBT160L- 8-H	7.5	17.7	15.5	720	870
YBT132S -4-H	5.5	11.7	10.0	1440	1750	YBT180L- 8-H	11.0	25.6	22.2	730	880
YBT132 M-4-H	7.5	15.4	13.2	1440	1750	YBT200L- 8-H	15.0	33.3	29.2	729	882
YBT160 M-4-H	11.0	22.6	19.5	1460	1760	YBT225M -8-H	22.0	47.4	41.7	734	886
YBT160L -4-H	15.0	30.5	26.3	1460	1760	YBT250M -8-H	30.0	64.7	57.1	730	890
YBT180 M-4-H	18.5	35.9	30.8	1470	1770						

Mounting And Overall Dimension



Frame size	mounting and overall dimension																
	B	C	D	E	F	G	Hl	H2	e	L	LI	L2	d	dl	g	f	M×t	M Depth h
801	36	58±2	19	40	6	15.5	176	175	28	330	100	90	60	13.8	12	5	M16×1.5	M8 Depth 14
802	36	58±2					201	175	28	330	100	90	60	13.8	12	5	M16×1.5	M8 Depth 14
90S	36	62±2	24	50	8	20	280	190	28	340	100	90	60	15.8	14	5	M18×1.5	M8 Depth 14
90L	36	62±2					226	190	28	375	125	90	60	15.8	14	5	M18×1.5	M8 Depth 14
lOOL1	40	68±2	28	60		24	280/330/380	220	28	410	140	93	60	17.8	16	5	M20×1.5	M10 Depth 17
100L2	40	68±2					280/380	220	28	410	140	93	60	17.8	16	5	M20×1.5	M10 Depth 17
112M	40	76±2					280/380/410	245	28	430	140	102	60	17.8	16	5	M20×1.5	M10 Depth 17
132S1	40	89±2	38	80	10	33	280/435	285	32	450	140	120	60	21.8	20	5	M24×1.5	M10 Depth 17
132M	40	89±2					410/435/485	285	32	495	178	120	60	21.8	20	5	M24×1.5	M10 Depth 17

160M	46	114 ±3	42	110	12	37	435/485/535	345	32	596	210	162	60	24.8	23	5	M27×1.5	M14 Depth 17
160L	46	114 ±3					485/535/585	345	32	646	254	162	60	24.8	23	5	M27×1.5	M14 Depth 17
180M	54	126 ±3	48		14	42.5	485/585	380	32	702	241	174	60	27.8	26	5	M30×1.5	M14 Depth 22
180L	54	126 ±3					535/585/642	380	32	740	279	174	60	27.8	26	5	M30×1.5	M14 Depth 22
200L1	60	133 ±3	55		16	49	585/642	430	32	740	305	186	60	30.8	29	6	M33×1.5	M16 Depth 26
200L2	60	133 ±3					742	430	32	740	305	186	60	30.8	29	6	M33×1.5	M16 Depth 26
225M	70	149 ±4	60	140	18	53	642/735/742	480	32	870	311	196	76	33.8	32	6	M36×1.5	M18 Depth 30
250M	70	168 ±4	65	140	18	58	740	526	40	1000	340	196	76	38	38	8	M42×1.5	M16 Depth 24
Note: * Hl as table shown above could be changed according to customer.																		