



JBT SERIES OF EXPLOSION-PROOF AXIAL FLOW FAN FOR MARINE USE (Ex-Marking: ExdIIBT4)

INTRODUCTION



- 1) JBT series explosion-proof axial flow fan for marine use is a new type of energy-saving and environmental protection type ideal product for ships and boats. It has the characteristics of high pressure, low noise, stable operation and meeting the marine conditions. It is suitable for the ventilation of various ship places and also for other compatible occasions.
- 2) The ventilator is designed by the variable ring volume method. According to the parameters of the ventilator to select a reasonable variable annulus coefficient, reasonable distribution of the characteristic speed and length of each cross-section of the blade, so as to make full use of the high circumferential speed at the tip of the blade, the use of ventilator with high efficiency, low

noise, flow coefficient and pressure coefficient, light weight characteristics.

- 3) The ventilator is designed and manufactured with full consideration of the special conditions required for marine use, and is characterized by good corrosion resistance, resistance to swing, impact, vibration, smooth operation, safety and reliability.
- 4) The fan can be equipped with 380V, 660V, 50Hz, 440V, 60Hz marine AC motor, and the fan can be made into two air outlets, three air outlets, four air outlets according to the needs of users.

TECHNICAL PARAMETER

	JBT-52-1.1	JBT-52-2.2	JBT-52-4	JBT-52-5.5	JBT-52-7.5	JBT-52-11	JBT-52-18.5	JBT-52-22	JBT-52-30
Rated Power (kw)	1.1	2.2	4	5.5	7.5	11	18.5	22	30
Rated Voltage (V)	380	380	380/660	380/660	380/660	380/660	380/660	380/660	380/660
Rated Current (A)		4.7	8.2/4.7	11.1/6.4	15.2/7.3	21.8/12.6	35.5/20.5	42.2/24.4	56.9/32.7
Rated Frequency (HZ)	50	50	50	50	50	50	50	50	50
Phases	3	3	3	3	3	3	3	3	3
Rated Speed(r/min)	2840	2890	2900	2900	2930	2930	2930	2940	2950
Power Factor(cosΦ)	0.88	0.87	0.88	0.88	0.88	0.89	0.89	0.89	0.89
Poles	2	2	2	2	2	2	2	2	2
Connecting	Δ	Δ	Δ/Y	Δ/Y	Δ/Y/Y	Δ/Y	Δ/Y	Δ/Y	Δ/Y
Full Wind Pressure(Pa)	750-380	960-380	1390-880	1700-800	900-1900	2250-880	2400-520	3200-880	3500-880
Wind volume (m3/min)	40-84	55-101	85-184	90-180	100-210	130-240	195-300	240-370	250-425
Max Pressure Efficiency (%)	78	80	80	80	80	80	80	80	80
(dB) Noise	87	87	90	89	89	91	95	95	95
Duty	S1	S1	S1	S1	S1	S1	S1	S1	S1
Impeller Diameter(mm)	265	315	400	400	500	500	560	560	630
Outside Drawing (mm)	465x325x420	548x360x430	610x380x450	645x485x465	694x585x662	694x585x662	845x650x680	909x650x665	1026x720x901



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OUTSIDE DRAWING

