



Large Flameproof 3-Phase Induction Motors (H560-800)

Dimensions and Tolerances

E	F	G		H		K	
		Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation
170	22	76	0	560	0	42	+0.62
210	28	100	0				0
270	22	76	-0.052				
310	28	100	-0.052				
370	25	86		630	0	42	-1
410	32	109	0				
500	32	119	-0.2				
700	25	86					
1000	32	109					
1300	32	119					
1700	32	109					
2000	36	128	0				
2500	32	138	-0.3	710	0		
3000	36	109	-0.2				
3500	36	128	0				
4000	36	138	0				
4500	40	128	0				
5000	45	157	0				
5500	36	165	-0.3	800	0	48	-1.5
6000	40	128					
6500	45	157					
7000	45	165					

PERFORMANCE DATA

YB SERIES HIGH-VOLTAGE FLAMEPROOF 3-PHASE INDUCTION MOTORS (6kV)

Type	Output kW	Rated Current A	Rated speed r/min	Efficiency %	Power Factor COS Φ	TST/Tn	IST/In	TM/Tn
YB3-560-2	500	61.2	2985	93.6	0.84	0.6	7	1.8
YB3-560-2	500	61.2	2985	93.6	0.84	0.6	7	1.8

500

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PERFORMANCE DATA
YB SERIES HIGH-VOLTAGE FLAMEPROOF 3-PHASE INDUCTION MOTORS (6kV)

Type	Output kW	Rated Current A	Rated speed r/min	Efficiency %	Power Factor COSΦ	TST/Tn	IST/In	TM/Tn
YB3-800-4	2500	292.9	1485	95.5	0.86	0.6	6.5	1.8
YB3-800-4	2800	327.7	1485	95.6	0.86	0.6	6.5	1.8
YB3-800-4	3150	367.9	1485	95.8	0.86	0.6	6.5	1.8
YB3-560-6	315	40.8	990	92.8	0.8	0.7	6.5	1.8
YB3-560-6	355	45.3	990	93	0.81	0.7	6.5	1.8

PERFORMANCE DATA

YB SERIES HIGH-VOLTAGE FLAMEPROOF 3-PHASE INDUCTION MOTORS (50HZ)

Model	Power (kW)	Efficiency (%)	Speed (rpm)	Current (A)	Power Factor	Starting Current (A)	Starting Torque (Nm)	Service Factor
YB3-630-10	100	56.2	590	92.6	0.71	0.7	6	1.8
YB3-630-10	150	63.1	590	92.7	0.71	0.7	6	1.8
YB3-630-10	500	68.1	590	93	0.76	0.7	6	1.8
YB3-630-10	560	76.2	590	93.1	0.73	0.7	6	1.8
YB3-630-10	630	83.6	590	93.2	0.76	0.7	6	1.8
YB3-710-10	300	68.1	590	93	0.76	0.7	6	1.8
YB3-710-10	360	78.2	590	93.1	0.75	0.7	6	1.8
YB3-710-10	430	83.6	590	93.2	0.76	0.7	6	1.8
YB3-710-10	510	95.2	590	93.1	0.76	0.7	6	1.8
YB3-710-10	800	103.3	590	93.7	0.78	0.7	6	1.8
YB3-710-10	900	118.1	590	93.8	0.78	0.7	6	1.8
YB3-800-10	800	103.3	590	93.7	0.78	0.7	6	1.8
YB3-800-10	900	118.1	590	93.8	0.78	0.7	6	1.8
YB3-800-10	1000	131.1	590	93.9	0.78	0.7	6	1.8
YB3-800-10	1120	146.8	590	94.1	0.78	0.7	6	1.8
YB3-800-10	1250	151.1	590	94.1	0.78	0.7	6	1.8
YB3-800-10	1400	182.8	590	94.3	0.78	0.7	6	1.8
YB3-800-10	1900	208.7	590	94.6	0.78	0.7	6	1.8
YB3-900-12	180	29.1	495	91.8	0.69	0.8	6.8	1.8
YB3-900-12	200	31.2	495	92	0.69	0.8	6.8	1.8
YB3-900-12	220	33.8	495	92.2	0.68	0.8	6.8	1.8
YB3-900-12	250	38.2	495	92.5	0.68	0.8	6.8	1.8

PERFORMANCE DATA

YB SERIES HIGH-VOLTAGE FLAMEPROOF 3-PHASE INDUCTION MOTORS (10kV)

Type	Output kW	Rated Current A	Rated speed r/min	Efficiency %	Power Factor COSΦ	TST/Tn	IST/In	TM/Tn
YB3-560-2	355	26.3	2985	92.8	0.84	0.6	7	1.8
YB3-560-2	400	29.5	2985	93.1	0.84	0.6	7	1.8
YB3-560-2	450	33.2	2985	93.3	0.84	0.6	7	1.8
YB3-560-2	500	36.8	2985	93.4	0.84	0.6	7	1.8
YB3-560-2	550	41.1	2985	93.6	0.84	0.6	7	1.8
YB3-560-2	630	45.7	2985	93.7	0.85	0.6	7	1.8
YB3-560-2	710	51.4	2985	93.8	0.85	0.6	7	1.8
YB3-630-2	560	41.1	2985	93.6	0.84	0.6	7	1.8
YB3-630-2	630	45.7	2985	93.7	0.85	0.6	7	1.8
YB3-630-2	710	51.4	2985	93.8	0.85	0.6	7	1.8
YB3-630-2	800	57.8	2985	94	0.85	0.6	7	1.8
YB3-630-2	900	65.0	2985	94.1	0.85	0.6	7	1.8
YB3-630-2	1000	72.1	2985	94.2	0.85	0.6	7	1.8



PERFORMANCE DATA
YB SERIES HIGH-VOLTAGE FLAMEPROOF 3-PHASE INDUCTION MOTORS (10kV)

Type	Output kW	Efficiency η _N %	Rated speed r/min	Efficiency η ₂ %	Power Factor cosφ	TST/In	IST/In	TWTn
YB3-630-4	800	87.5	1485	94.3	0.85	0.6	7	1.8
YB3-630-4	900	84.8	1485	94.4	0.85	0.6	7	1.8
YB3-630-4	1000	71.9	1485	94.5	0.85	0.6	7	1.8
YB3-630-4	1120	80.4	1485	94.6	0.85	0.6	7	1.8
YB3-710-4	900	84.8	1485	94.4	0.85	0.6	7	1.8
YB3-710-4	1000	71.9	1485	94.5	0.85	0.6	7	1.8
YB3-710-4	1120	80.4	1485	94.6	0.85	0.6	7	1.8

PERFORMANCE DATA

YB SERIES HIGH-VOLTAGE FLAMEPROOF 3-PHASE INDUCTION MOTORS (10kV)

Type	Output kW	Rated Current A	Rated speed r/min	Efficiency %	Power Factor COSΦ	TST/Tn	IST/In	TM/Tn
YB3-710-6	1400	101.2	990	95.1	0.84	0.6	6	1.8
YB3-800-6	1250	90.7	990	94.7	0.84	0.6	6	1.8
YB3-800-6	1400	101.2	990	95.1	0.84	0.6	6	1.8
YB3-800-6	1600	115.5	990	95.2	0.84	0.6	6	1.8
YB3-800-6	1800	129.8	990	95.3	0.84	0.6	6	1.8
YB3-800-6	2000	144.1	990	95.4	0.84	0.6	6	1.8
YB3-800-6	2240	161.4	990	95.4	0.84	0.6	6	1.8
YB3-900-6	2000	144.1	990	95.4	0.84	0.6	6	1.8
YB3-900-6	2240	161.4	990	95.4	0.84	0.6	6	1.8
YB3-900-6	2500	179.7	990	95.6	0.84	0.6	6	1.8
YB3-900-6	2800	201.3	990	95.6	0.84	0.6	6	1.8
YB3-560-8	220	19.1	745	91.1	0.73	0.7	6	1.8
YB3-560-8	250	21.7	745	91.3	0.73	0.7	6	1.8
YB3-560-8	280	23.8	745	91.6	0.74	0.7	6	1.8
YB3-560-8	315	26.1	745	92	0.75	0.7	6	1.8
YB3-560-8	355	29.6	745	92.4	0.75	0.7	6	1.8
YB3-630-8	355	29.6	745	92.4	0.75	0.7	6	1.8
YB3-630-8	400	32.9	745	92.5	0.76	0.7	6	1.8
YB3-630-8	450	36.9	745	92.7	0.76	0.7	6	1.8
YB3-630-8	500	40.3	745	93.1	0.77	0.7	6	1.8
YB3-630-8	560	45.0	745	93.3	0.77	0.7	6	1.8
YB3-630-8	630	48.5	745	93.8	0.8	0.7	6	1.8
YB3-710-8	560	45.0	745	93.3	0.77	0.7	6	1.8
YB3-710-8	630	48.5	745	93.8	0.8	0.7	6	1.8
YB3-710-8	710	54.5	745	94	0.8	0.7	6	1.8
YB3-710-8	800	61.3	745	94.2	0.8	0.7	6	1.8
YB3-710-8	900	68.9	745	94.3	0.8	0.7	6	1.8
YB3-710-8	1000	76.4	745	94.5	0.8	0.7	6	1.8
YB3-800-8	1000	76.4	745	94.5	0.8	0.7	6	1.8
YB3-800-8	1120	84.3	745	94.7	0.81	0.7	6	1.8
YB3-800-8	1250	94.0	745	94.8	0.81	0.7	6	1.8
YB3-800-8	1400	105.2	745	94.9	0.81	0.7	6	1.8
YB3-800-8	1600	120.2	745	94.9	0.81	0.7	6	1.8
YB3-900-8	1600	120.2	745	94.9	0.81	0.7	6	1.8
YB3-900-8	1800	135.1	745	95	0.81	0.7	6	1.8
YB3-900-8	2000	150.1	745	95	0.81	0.7	6	1.8
YB3-560-10	185	17.0	590	90.9	0.69	0.7	6	1.8
YB3-560-10	200	18.4	590	91	0.69	0.7	6	1.8
YB3-560-10	220	19.9	590	91.1	0.7	0.7	6	1.8

PERFORMANCE DATA

YB SERIES HIGH-VOLTAGE FLAMEPROOF 3-PHASE INDUCTION MOTORS (10kV)

Type	Output kW	Rated Current A	Rated speed r/min	Efficiency %	Power Factor COS ϕ	TST/Tn	IST/In	TM/Tn
YB3-560-10	250	22.6	590	91.2	0.7	0.7	6	1.8
YB3-560-10	280	25.2	590	91.5	0.7	0.7	6	1.8

YB3-560-10	250	22.6	590	91.2	0.7	0.7	6	1.8
YB3-560-10	280	25.2	590	91.5	0.7	0.7	6	1.8
YB3-560-10	300	27.0	590	91.8	0.7	0.7	6	1.8
YB3-560-10	350	31.5	590	92.1	0.7	0.7	6	1.8
YB3-560-10	400	36.0	590	92.4	0.7	0.7	6	1.8
YB3-560-10	450	40.5	590	92.7	0.7	0.7	6	1.8
YB3-560-10	500	45.0	590	93.0	0.7	0.7	6	1.8
YB3-560-10	550	49.5	590	93.3	0.7	0.7	6	1.8
YB3-560-10	600	54.0	590	93.6	0.7	0.7	6	1.8
YB3-560-10	650	58.5	590	93.9	0.7	0.7	6	1.8
YB3-560-10	700	63.0	590	94.2	0.7	0.7	6	1.8
YB3-560-10	750	67.5	590	94.5	0.7	0.7	6	1.8
YB3-560-10	800	72.0	590	94.8	0.7	0.7	6	1.8
YB3-560-10	850	76.5	590	95.1	0.7	0.7	6	1.8
YB3-560-10	900	81.0	590	95.4	0.7	0.7	6	1.8
YB3-560-10	950	85.5	590	95.7	0.7	0.7	6	1.8
YB3-560-10	1000	90.0	590	96.0	0.7	0.7	6	1.8
YB3-560-10	1100	99.0	590	96.3	0.7	0.7	6	1.8
YB3-560-10	1200	108.0	590	96.6	0.7	0.7	6	1.8
YB3-560-10	1300	117.0	590	96.9	0.7	0.7	6	1.8
YB3-560-10	1400	126.0	590	97.2	0.7	0.7	6	1.8
YB3-560-10	1500	135.0	590	97.5	0.7	0.7	6	1.8
YB3-560-10	1600	144.0	590	97.8	0.7	0.7	6	1.8
YB3-560-10	1700	153.0	590	98.1	0.7	0.7	6	1.8
YB3-560-10	1800	162.0	590	98.4	0.7	0.7	6	1.8
YB3-560-10	1900	171.0	590	98.7	0.7	0.7	6	1.8
YB3-560-10	2000	180.0	590	99.0	0.7	0.7	6	1.8
YB3-560-10	2200	198.0	590	99.3	0.7	0.7	6	1.8
YB3-560-10	2400	216.0	590	99.6	0.7	0.7	6	1.8
YB3-560-10	2600	234.0	590	99.9	0.7	0.7	6	1.8
YB3-560-10	2800	252.0	590	100.2	0.7	0.7	6	1.8
YB3-560-10	3000	270.0	590	100.5	0.7	0.7	6	1.8
YB3-560-10	3200	288.0	590	100.8	0.7	0.7	6	1.8
YB3-560-10	3400	306.0	590	101.1	0.7	0.7	6	1.8
YB3-560-10	3600	324.0	590	101.4	0.7	0.7	6	1.8
YB3-560-10	3800	342.0	590	101.7	0.7	0.7	6	1.8
YB3-560-10	4000	360.0	590	102.0	0.7	0.7	6	1.8
YB3-560-10	4200	378.0	590	102.3	0.7	0.7	6	1.8
YB3-560-10	4400	396.0	590	102.6	0.7	0.7	6	1.8
YB3-560-10	4600	414.0	590	102.9	0.7	0.7	6	1.8
YB3-560-10	4800	432.0	590	103.2	0.7	0.7	6	1.8
YB3-560-10	5000	450.0	590	103.5	0.7	0.7	6	1.8
YB3-560-10	5200	468.0	590	103.8	0.7	0.7	6	1.8
YB3-560-10	5400	486.0	590	104.1	0.7	0.7	6	1.8
YB3-560-10	5600	504.0	590	104.4	0.7	0.7	6	1.8
YB3-560-10	5800	522.0	590	104.7	0.7	0.7	6	1.8
YB3-560-10	6000	540.0	590	105.0	0.7	0.7	6	1.8
YB3-560-10	6200	558.0	590	105.3	0.7	0.7	6	1.8
YB3-560-10	6400	576.0	590	105.6	0.7	0.7	6	1.8
YB3-560-10	6600	594.0	590	105.9	0.7	0.7	6	1.8
YB3-560-10	6800	612.0	590	106.2	0.7	0.7	6	1.8
YB3-560-10	7000	630.0	590	106.5	0.7	0.7	6	1.8
YB3-560-10	7200	648.0	590	106.8	0.7	0.7	6	1.8
YB3-560-10	7400	666.0	590	107.1	0.7	0.7	6	1.8
YB3-560-10	7600	684.0	590	107.4	0.7	0.7	6	1.8
YB3-560-10	7800	702.0	590	107.7	0.7	0.7	6	1.8
YB3-560-10	8000	720.0	590	108.0	0.7	0.7	6	1.8
YB3-560-10	8200	738.0	590	108.3	0.7	0.7	6	1.8
YB3-560-10	8400	756.0	590	108.6	0.7	0.7	6	1.8
YB3-560-10	8600	774.0	590	108.9	0.7	0.7	6	1.8
YB3-560-10	8800	792.0	590	109.2	0.7	0.7	6	1.8
YB3-560-10	9000	810.0	590	109.5	0.7	0.7	6	1.8
YB3-560-10	9200	828.0	590	109.8	0.7	0.7	6	1.8
YB3-560-10	9400	846.0	590	110.1	0.7	0.7	6	1.8
YB3-560-10	9600	864.0	590	110.4	0.7	0.7	6	1.8
YB3-560-10	9800	882.0	590	110.7	0.7	0.7	6	1.8
YB3-560-10	10000	900.0	590	111.0	0.7	0.7	6	1.8
YB3-560-10	10200	918.0	590	111.3	0.7	0.7	6	1.8
YB3-560-10	10400	936.0	590	111.6	0.7	0.7	6	1.8
YB3-560-10	10600	954.0	590	111.9	0.7	0.7	6	1.8
YB3-560-10	10800	972.0	590	112.2	0.7	0.7	6	1.8
YB3-560-10	11000	990.0	590	112.5	0.7	0.7	6	1.8
YB3-560-10	11200	1008.0	590	112.8	0.7	0.7	6	1.8
YB3-560-10	11400	1026.0	590	113.1	0.7	0.7	6	1.8
YB3-560-10	11600	1044.0	590	113.4	0.7	0.7	6	1.8
YB3-560-10	11800	1062.0	590	113.7	0.7	0.7	6	1.8
YB3-560-10	12000	1080.0	590	114.0	0.7	0.7	6	1.8
YB3-560-10	12200	1098.0	590	114.3	0.7	0.7	6	1.8
YB3-560-10	12400	1116.0	590	114.6	0.7	0.7	6	1.8
YB3-560-10	12600	1134.0	590	114.9	0.7	0.7	6	1.8
YB3-560-10	12800	1152.0	590	115.2	0.7	0.7	6	1.8
YB3-560-10	13000	1170.0	590	115.5	0.7	0.7	6	1.8
YB3-560-10	13200	1188.0	590	115.8	0.7	0.7	6	1.8
YB3-560-10	13400	1206.0	590	116.1	0.7	0.7	6	1.8
YB3-560-10	13600	1224.0	590	116.4	0.7	0.7	6	1.8
YB3-560-10	13800	1242.0	590	116.7	0.7	0.7	6	1.8
YB3-560-10	14000	1260.0	590	117.0	0.7	0.7	6	1.8
YB3-560-10	14200	1278.0	590	117.3	0.7	0.7	6	1.8
YB3-560-10	14400	1296.0	590	117.6	0.7	0.7	6	1.8
YB3-560-10	14600	1314.0	590	117.9	0.7	0.7	6	1.8
YB3-560-10	14800	1332.0	590	118.2	0.7	0.7	6	1.8
YB3-560-10	15000	1350.0	590	118.5	0.7	0.7	6	1.8
YB3-560-10	15200	1368.0	590	118.8	0.7	0.7	6	1.8
YB3-560-10	15400	1386.0	590	119.1	0.7	0.7	6	1.8
YB3-560-10	15600	1404.0	590	119.4	0.7	0.7	6	1.8
YB3-560-10	15800	1422.0	590	119.7	0.7	0.7	6	1.8
YB3-560-10	16000	1440.0	590	120.0	0.7	0.7	6	1.8
YB3-560-10	16200	1458.0	590	120.3	0.7	0.7	6	1.8
YB3-560-10	16400	1476.0	590	120.6	0.7	0.7	6	1.8
YB3-560-10	16600	1494.0	590	120.9	0.7	0.7	6	1.8
YB3-560-10	16800	1512.0	590	121.2	0.7	0.7	6	1.8
YB3-560-10	17000	1530.0	590	121.5	0.7	0.7	6	1.8
YB3-560-10	17200	1548.0	590	121.8	0.7	0.7	6	1.8
YB3-560-10	17400	1566.0	590	122.1	0.7	0.7	6	1.8
YB3-560-10	17600	1584.0	590	122.4	0.7	0.7	6	1.8
YB3-560-10	17800	1602.0	590	122.7	0.7	0.7	6	1.8
YB3-560-10	18000	1620.0	590	123.0	0.7	0.7	6	1.8
YB3-560-10	18200	1638.0	590	123.3	0.7	0.7	6	1.8
YB3-560-10	18400	1656.0	590	123.6	0.7	0.7	6	1.8
YB3-560-10	18600	1674.0	590	123.9	0.7	0.7	6	1.8
YB3-560-10	18800	1692.0	590	124.2	0.7	0.7	6	1.8
YB3-560-10	19000	1710.0	590	124.5	0.7	0.7	6	1.8
YB3-560-10	19200	1728.0	590	124.8	0.7	0.7	6	1.8
YB3-560-10	19400	1746.0	590	125.1	0.7	0.7	6	1.8
YB3-560-10	19600	1764.0	590	125.4	0.7	0.7	6	1.8
YB3-560-10	19800	1782.0	590	125.7	0.7	0.7	6	1.8
YB3-560-10	20000	1800.0	590	126.0	0.7	0.7	6	1.8
YB3-560-10	20200	1818.0	590	126.3	0.7	0.7	6	1.8
YB3-560-10	20400	1836.0	590	126.6	0.7	0.7	6	1.8
YB3-560-10	20600	1854.0	590	126.9	0.7	0.7	6	1.8
YB3-560-10	20800	1872.0	590	127.2	0.7	0.7	6	1.8
YB3-560-10	21000	1890.0	590	127.5	0.7	0.7	6	1.8
YB3-560-10	21200	1908.0	590	127.8	0.7	0.7	6	1.8
YB3-560-10	21400	1926.0	590	128.1	0.7	0.7	6	1.8
YB3-560-10	21600	1944.0	590	128.4	0.7	0.7	6	1.8
YB3-560-10	21800	1962.0	590	128.7	0.7	0.7	6	1.8
YB3-560-10	22000	1980.0	590	129.0	0.7	0.7	6	1.8
YB3-560-10	22200	1998.0	590	129.3	0.7	0.7	6	1.8
YB3-560-10	22400	2016.0	590	129.6	0.7	0.7	6	1.8
YB3-560-10	22600	2034.0	590	129.9	0.7	0.7	6	1.8
YB3-560-10	22800	2052.0	590	130.2	0.7	0.7	6	1.8
YB3-560-10	23000	2070.0	590	130.5	0.7	0.7	6	1.8
YB3-560-10	23200	2088.0	590	130.8	0.7	0.7	6	1.8
YB3-560-10	23400	2106.0	590	131.1	0.7	0.7	6	1.8
YB3-560-10	23600	2124.0	590	131.4	0.7	0.7	6	1.8
YB3-560-10	2380							

防爆型式	电压	功率	转速	重量	防护等级	绝缘等级	冷却方式	效率
隔爆型	380V	0.37kW	1400	1.5kg	IP54	F	IC01	75%
增安型	380V	0.37kW	1400	1.5kg	IP54	F	IC01	75%
隔爆型	380V	0.55kW	1400	2.0kg	IP54	F	IC01	75%
增安型	380V	0.55kW	1400	2.0kg	IP54	F	IC01	75%

