



DIMENSIONS AND TOLERANCE OF YBX3 SERIES HIGH EFFICIENCY FLAMEPROOF 3-PHASE INDUCTION MOTOR

Frame	Pole	A		B		C		D		E		F		G		H		K		AD...	HD...	L...
		Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation			
160	2	160		160		85		170	± 0.50	22		76										2260
180	2	180		180		90		180	± 0.50	22		76										2260
200	2	200		200		95		190	± 0.50	22		76										2260
225	2	225		225		100		200	± 0.50	22		76										2260
250	2	250		250		105		210	± 0.50	22		76										2260
280	2	280		280		110		220	± 0.50	22		76										2260
315	2	315		315		115		230	± 0.50	22		76										2260
355	2	355		355		120		240	± 0.50	22		76										2260
400	2	400		400		125		250	± 0.50	22		76										2260
450	2	450		450		130		260	± 0.50	22		76										2260
500	2	500		500		135		270	± 0.50	22		76										2260
560	2	560		560		140		280	± 0.50	22		76										2260
630	2	630		630		145		290	± 0.50	22		76										2260
710	2	710		710		150		300	± 0.50	22		76										2260
800	2	800		800		155		310	± 0.50	22		76										2260
900	2	900		900		160		320	± 0.50	22		76										2260
1000	2	1000		1000		165		330	± 0.50	22		76										2260
1120	2	1120		1120		170		340	± 0.50	22		76										2260
1250	2	1250		1250		175		350	± 0.50	22		76										2260
1400	2	1400		1400		180		360	± 0.50	22		76										2260
1600	2	1600		1600		185		370	± 0.50	22		76										2260
1800	2	1800		1800		190		380	± 0.50	22		76										2260
2000	2	2000		2000		195		390	± 0.50	22		76										2260
2250	2	2250		2250		200		400	± 0.50	22		76										2260
2500	2	2500		2500		205		410	± 0.50	22		76										2260
2800	2	2800		2800		210		420	± 0.50	22		76										2260
3150	2	3150		3150		215		430	± 0.50	22		76										2260
3550	2	3550		3550		220		440	± 0.50	22		76										2260
4000	2	4000		4000		225		450	± 0.50	22		76										2260
4500	2	4500		4500		230		460	± 0.50	22		76										2260
5000	2	5000		5000		235		470	± 0.50	22		76										2260
5600	2	5600		5600		240		480	± 0.50	22		76										2260
6300	2	6300		6300		245		490	± 0.50	22		76										2260
7100	2	7100		7100		250		500	± 0.50	22		76										2260
8000	2	8000		8000		255		510	± 0.50	22		76										2260
9000	2	9000		9000		260		520	± 0.50	22		76										2260
10000	2	10000		10000		265		530	± 0.50	22		76										2260
11200	2	11200		11200		270		540	± 0.50	22		76										2260
12500	2	12500		12500		275		550	± 0.50	22		76										2260
14000	2	14000		14000		280		560	± 0.50	22		76										2260
16000	2	16000		16000		285		570	± 0.50	22		76										2260
18000	2	18000		18000		290		580	± 0.50	22		76										2260
20000	2	20000		20000		295		590	± 0.50	22		76										2260
22500	2	22500		22500		300		600	± 0.50	22		76										2260
25000	2	25000		25000		305		610	± 0.50	22		76										2260
28000	2	28000		28000		310		620	± 0.50	22		76										2260
31500	2	31500		31500		315		630	± 0.50	22		76										2260
35500	2	35500		35500		320		640	± 0.50	22		76										2260
40000	2	40000		40000		325		650	± 0.50	22		76										2260
45000	2	45000		45000		330		660	± 0.50	22		76										2260
50000	2	50000		50000		335		670	± 0.50	22		76										2260
56000	2	56000		56000		340		680	± 0.50	22		76										2260
63000	2	63000		63000		345		690	± 0.50	22		76										2260
71000	2	71000		71000		350		700	± 0.50	22		76										2260
80000	2	80000		80000		355		710	± 0.50	22		76										2260
90000	2	90000		90000		360		720	± 0.50	22		76										2260
100000	2	100000		100000		365		730	± 0.50	22		76										2260
112000	2	112000		112000		370		740	± 0.50	22		76										2260
125000	2	125000		125000		375		750	± 0.50	22		76										2260
140000	2	140000		140000		380		760	± 0.50	22		76										2260
160000	2	160000		160000		385		770	± 0.50	22		76										2260
180000	2	180000		180000		390		780	± 0.50	22		76										2260
200000	2	200000		200000		395		790	± 0.50	22		76										2260
225000	2	225000		225000		400		800	± 0.50	22		76										2260
250000	2	250000		250000		405		810	± 0.50	22		76										2260
280000	2	280000		280000		410		820	± 0.50	22		76										2260
315000	2	315000		315000		415		830	± 0.50	22		76										2260
355000	2	355000		355000		420		840	± 0.50	22		76										2260
400000	2	400000		400000		425		850	± 0.50	22		76										2260
450000	2	450000																				

PERFORMANCE DATA
YBX3 SERIES HIGH EFFICIENCY FLAMEPROOF 3-PHASE INDUCTION MOTORS (380V)

Type	Output kW	Rated Current A	Rated speed r/min	Efficiency %	Power Factor COSΦ	TST/Tn	IST/In	TM/Tn
YBX3 400-2	355	639.8	2985	95.8	0.88	1.1	7	2.2
YBX3 400-2	400	720.9	2985	95.8	0.88	1.1	7	2.2
YBX3 400-2	450	811.0	2985	95.8	0.88	1.1	7	2.2
YBX3 400-2	500	901.1	2985	95.8	0.88	1.1	7	2.2
YBX3 400-2	560	1009.3	2985	95.8	0.88	1.1	7	2.2
YBX3 400-2	630	1120.3	2985	96	0.89	1.1	7	2.2
YBX3 450-2	560	1009.3	2985	95.8	0.88	1.1	7	2.2
YBX3 450-2	630	1120.3	2985	96	0.89	1.1	7	2.2
YBX3 450-2	710	1262.6	2985	96	0.89	1.1	7	2.2
YBX3 450-2	800	1419.7	2985	96.2	0.89	1.1	7	2.2
YBX3 450-2	900	1597.2	2985	96.2	0.89	1.1	7	2.2
YBX3 450-2	1000	1774.6	2985	96.2	0.89	1.1	7	2.2
YBX3 400-4	355	654.7	1485	95.8	0.86	1	6.5	2.2
YBX3 400-4	400	737.7	1485	95.8	0.86	1	6.5	2.2
YBX3 400-4	450	829.9	1485	95.8	0.86	1	6.5	2.2
YBX3 400-4	500	922.1	1485	95.8	0.86	1	6.5	2.2
YBX3 400-4	560	1020.9	1485	95.8	0.87	1	6.5	2.2
YBX3 400-4	630	1146.1	1485	96	0.87	1	6.5	2.2
YBX3 400-4	710	1291.6	1485	96	0.87	1	6.5	2.2
YBX3 450-4	630	1146.1	1485	96	0.87	1	6.5	2.2
YBX3 450-4	710	1291.6	1485	96	0.87	1	6.5	2.2
YBX3 450-4	800	1438.8	1485	96	0.88	1	6.5	2.2
YBX3 450-4	900	1618.7	1485	96	0.88	1	6.5	2.2
YBX3 450-4	1000	1798.5	1485	96	0.88	1	6.5	2.2
YBX3 450-4	1120	2010.9	1485	96.2	0.88	1	6.5	2.2



Explosion Protection Data Table

Model	Rated Power (kW)	Rated Voltage (V)	Rated Current (A)	Rated Torque (Nm)	Rated Speed (rpm)	Rated Efficiency (%)	Rated Power Factor	Rated Lifetime (h)
WZE100-1000-3	1000	380V	16.7	79.4	1420	0.88	0.95	10000
WZE100-1000-4	1000	480V	12.8	79.4	1060	0.88	0.95	10000
WZE100-1000-6	1000	660V	9.3	79.4	790	0.88	0.95	10000
WZE100-1000-8	1000	800V	7.8	79.4	650	0.88	0.95	10000
WZE100-1000-10	1000	1000V	6.3	79.4	510	0.88	0.95	10000
WZE100-1000-12	1000	1200V	5.3	79.4	425	0.88	0.95	10000
WZE100-1000-15	1000	1500V	4.0	79.4	315	0.88	0.95	10000
WZE100-1000-20	1000	2000V	3.1	79.4	235	0.88	0.95	10000
WZE100-1000-25	1000	2500V	2.5	79.4	185	0.88	0.95	10000
WZE100-1000-30	1000	3000V	2.0	79.4	145	0.88	0.95	10000
WZE100-1000-40	1000	4000V	1.6	79.4	105	0.88	0.95	10000
WZE100-1000-50	1000	5000V	1.2	79.4	80	0.88	0.95	10000
WZE100-1000-60	1000	6000V	1.0	79.4	65	0.88	0.95	10000
WZE100-1000-80	1000	8000V	0.7	79.4	45	0.88	0.95	10000
WZE100-1000-100	1000	10000V	0.5	79.4	30	0.88	0.95	10000
WZE100-1000-120	1000	12000V	0.4	79.4	22	0.88	0.95	10000
WZE100-1000-150	1000	15000V	0.3	79.4	15	0.88	0.95	10000
WZE100-1000-200	1000	20000V	0.2	79.4	10	0.88	0.95	10000
WZE100-1000-250	1000	25000V	0.15	79.4	7	0.88	0.95	10000
WZE100-1000-300	1000	30000V	0.1	79.4	5	0.88	0.95	10000
WZE100-1000-400	1000	40000V	0.07	79.4	3	0.88	0.95	10000
WZE100-1000-500	1000	50000V	0.05	79.4	2	0.88	0.95	10000
WZE100-1000-600	1000	60000V	0.04	79.4	1.5	0.88	0.95	10000
WZE100-1000-800	1000	80000V	0.03	79.4	1	0.88	0.95	10000
WZE100-1000-1000	1000	100000V	0.02	79.4	0.7	0.88	0.95	10000

Model	Rated Power (kW)	Rated Voltage (V)	Rated Current (A)	Rated Torque (Nm)	Rated Speed (rpm)	Rated Efficiency (%)	Rated Power Factor	Rated Lifetime (h)
WZE100-1000-3	1000	380V	16.7	79.4	1420	0.88	0.95	10000
WZE100-1000-4	1000	480V	12.8	79.4	1060	0.88	0.95	10000
WZE100-1000-6	1000	660V	9.3	79.4	790	0.88	0.95	10000
WZE100-1000-8	1000	800V	7.8	79.4	650	0.88	0.95	10000
WZE100-1000-10	1000	1000V	6.3	79.4	510	0.88	0.95	10000
WZE100-1000-12	1000	1200V	5.3	79.4	425	0.88	0.95	10000
WZE100-1000-15	1000	1500V	4.0	79.4	315	0.88	0.95	10000
WZE100-1000-20	1000	2000V	3.1	79.4	235	0.88	0.95	10000
WZE100-1000-25	1000	2500V	2.5	79.4	185	0.88	0.95	10000
WZE100-1000-30	1000	3000V	2.0	79.4	145	0.88	0.95	10000
WZE100-1000-40	1000	4000V	1.6	79.4	105	0.88	0.95	10000
WZE100-1000-50	1000	5000V	1.2	79.4	80	0.88	0.95	10000
WZE100-1000-60	1000	6000V	1.0	79.4	65	0.88	0.95	10000
WZE100-1000-80	1000	8000V	0.7	79.4	45	0.88	0.95	10000
WZE100-1000-100	1000	10000V	0.5	79.4	30	0.88	0.95	10000
WZE100-1000-120	1000	12000V	0.4	79.4	22	0.88	0.95	10000
WZE100-1000-150	1000	15000V	0.3	79.4	15	0.88	0.95	10000
WZE100-1000-200	1000	20000V	0.2	79.4	10	0.88	0.95	10000
WZE100-1000-250	1000	25000V	0.15	79.4	7	0.88	0.95	10000
WZE100-1000-300	1000	30000V	0.1	79.4	5	0.88	0.95	10000
WZE100-1000-400	1000	40000V	0.07	79.4	3	0.88	0.95	10000
WZE100-1000-500	1000	50000V	0.05	79.4	2	0.88	0.95	10000
WZE100-1000-600	1000	60000V	0.04	79.4	1.5	0.88	0.95	10000
WZE100-1000-800	1000	80000V	0.03	79.4	1	0.88	0.95	10000
WZE100-1000-1000	1000	100000V	0.02	79.4	0.7	0.88	0.95	10000



PERFORMANCE DATA
YBX3 SERIES HIGH EFFICIENCY FLAMEPROOF 3-PHASE INDUCTION MOTORS (380V)

Type	Output kW	Rated Current A	Rated speed r/min	Efficiency %	Power Factor cosφ	TST/Tn	IST/In	TM/Tn
YBX3 400-12	160	402.2	495	93	0.65	1	5.5	1.8
YBX3 400-12	185	465.0	495	93	0.65	1	5.5	1.8
YBX3 400-12	200	501.6	495	93.2	0.65	1	5.5	1.8
YBX3 400-12	220	550.6	495	93.4	0.65	1	5.5	1.8
YBX3 400-12	250	625.7	495	93.4	0.65	1	5.5	1.8
YBX3 400-12	280	667.0	495	93.8	0.68	1	5.5	1.8
YBX3 450-12	315	750.4	495	93.8	0.68	1	5.5	1.8
YBX3 450-12	355	842.0	495	94.2	0.68	1	5.5	1.8
YBX3 450-12	400	948.8	495	94.2	0.68	1	5.5	1.8
YBX3 450-12	450	1067.4	495	94.2	0.68	1	5.5	1.8
YBX3 500-12	500	1152.1	495	94.2	0.7	0.8	5.5	1.8
YBX3 500-12	560	1287.6	495	94.4	0.7	0.8	5.5	1.8
YBX3 500-12	630	1448.6	495	94.4	0.7	0.8	5.5	1.8
YBX3 500-12	710	1632.5	495	94.4	0.7	0.8	5.5	1.8
YBX3 400-14	160	416.7	425	92.6	0.63	1	5	1.8
YBX3 400-14	185	481.3	425	92.7	0.63	1	5	1.8
YBX3 400-14	200	518.7	425	93	0.63	1	5	1.8
YBX3 400-14	220	570.5	425	93	0.63	1	5	1.8
YBX3 400-14	250	627.0	425	93.2	0.65	1	5	1.8
YBX3 450-14	280	702.3	425	93.2	0.65	1	5	1.8
YBX3 450-14	315	787.5	425	93.5	0.65	1	5	1.8
YBX3 450-14	355	887.5	425	93.5	0.65	1	5	1.8
YBX3 450-14	400	1000.0	425	93.5	0.65	1	5	1.8
YBX3 500-14	450	1090.3	425	93.6	0.67	0.8	5	1.8
YBX3 500-14	500	1211.4	425	93.6	0.67	0.8	5	1.8
YBX3 500-14	560	1353.9	425	93.8	0.67	0.8	5	1.8
YBX3 500-14	630	1523.1	425	93.8	0.67	0.8	5	1.8
YBX3 400-16	132	362.9	370	92.1	0.6	1	5	1.8
YBX3 400-16	160	439.9	370	92.1	0.6	1	5	1.8
YBX3 400-16	185	508.7	370	92.1	0.6	1	5	1.8
YBX3 400-16	200	548.7	370	92.3	0.6	1	5	1.8
YBX3 450-16	220	582.9	370	92.5	0.62	1	5	1.8
YBX3 450-16	250	662.3	370	92.5	0.62	1	5	1.8
YBX3 450-16	280	737.8	370	93	0.62	1	5	1.8
YBX3 450-16	315	830.1	370	93	0.62	1	5	1.8
YBX3 500-16	355	904.3	370	93.2	0.64	0.8	5	1.8
YBX3 500-16	400	1018.9	370	93.2	0.64	0.8	5	1.8
YBX3 500-16	450	1143.8	370	93.4	0.64	0.8	5	1.8
YBX3 500-16	500	1270.9	370	93.4	0.64	0.8	5	1.8