



## YBK2 Type Flameproof Electric Motor for Coal Mine Undergroud (Ex-Marking ExdI Group I)

### MAIN TECHNICAL DATA (2POLES/3000RPM)

Type	Power (kW)	Current (A) 380V	Current (A) 660V	Current (A) 1140V	Speed 50HZ	Efficiency (%)	Power Factor (cosΦ)	Noise dB(A)	Vibration	Tst/Tn	Ist/In	Tmax/Tn	Weight
80M1-2	0.75	1.8	1.04	0.6	2850	75	0.83	67	1.8	2.2	6	2.3	21
80M2-2	1.1	2.6	1.5	0.87	2840	78	0.84	67	1.8	2.2	6	2.3	23
90S-2	1.5	3.4	1.96	1.13	2850	79	0.84	72	1.8	2.2	7	2.3	32
90L-2	2.2	4.8	2.76	1.6	2850	81	0.85	72	1.8	2.2	7	2.3	36
100L-2	3	6.2	3.57	2.07	2870	83	0.88	76	1.8	2.2	7	2.3	42
112M-2	4	8.1	4.66	2.7	2890	85	0.88	77	1.8	2.2	7	2.3	53
132S1-2	5.5	11.1	6.39	3.7	2900	86	0.88	80	1.8	2.2	7.5	2.3	78
132S-2	7.5	14.8	8.52	4.93	2900	87	0.88	80	1.8	2.2	7.5	2.3	86
160M1-2	11	21.6	12.44	7.2	2940	88	0.88	86	2.8	2.2	7.5	2.4	133
160M2-2	15	28.8	16.58	9.6	2940	89	0.89	86	2.8	2.2	7.5	2.4	148
160L-2	18.5	35.5	20.44	11.83	2940	89	0.89	86	2.8	2.2	7.5	2.4	166
180M-2	22	41	23.61	13.67	2950	90.5	0.9	89	2.8	2	7.5	2.3	209
200L1-2	30	55.5	31.95	18.5	2950	91.2	0.9	92	2.8	2	7.5	2.4	289
200L2-2	37	67.9	39.09	22.63	2950	92	0.9	92	2.8	2	7.5	2.4	303
225M-2	45	82.1	47.27	27.37	2960	92.5	0.9	92	2.8	2	7.5	2.3	278
250M-2	55	99.7	57.4	33.23	2970	92.5	0.9	93	3.5	2.1	7.5	2.3	446
280S-2	75	134.4	77.38	44.8	2970	93.2	0.91	94	3.5	2	7.5	2.3	635
280M-2	90	160.7	92.52	53.56	2970	93.8	0.91	94	3.5	2.1	7.5	2.3	708
315S-2	110	195.4	112.5	65.13	2982	94	0.91	96	3.5	1.8	7	2.3	998
315M-2	132	232.2	133.69	77.4	2982	94.5	0.91	96	3.5	1.8	7	2.3	1035
315L1-2	160	279.3	160.81	93.1	2982	94.6	0.92	99	3.5	1.8	7	2.3	1345
315L2-2	200	348.8	200.82	116.26	2982	94.8	0.92	99	3.5	1.8	7	2.3	1600
355S1-2	185	323	185.97	107.67	2980	94.6	0.92	99	3.5	1.8	7	2.3	1690
355S2-2	200	348.4	200.59	116.13	2980	94.8	0.92	99	3.5	1.8	7	2.3	1690
355M1-2	220	383.3	220.69	127.77	2980	94.8	0.92	103	3.5	1.6	7	2.4	1860
355M2-2	250	443.2	255.18	147.74	2980	95.3	0.92	103	3.5	1.6	7	2.4	2100
355L1-2	280	485.4	279.47	161.8	2980	95.3	0.92	103	3.5	1.6	7	2.4	2250
355L2-2	315	544.2	313.33	181.4	2980	95.6	0.92	103	3.5	1.6	7	2.4	2280



## YBK2 Type Flameproof Electric Motor for Coal Mine Underground (Ex-Marking ExdI Group I)

### MAIN TECHNICAL DATA (4POLES/1500RPM)

Type	Power (kW)	Current (A) 380V	Current (A) 660V	Current (A) 1140V	Speed 50HZ	Efficiency (%)	Power Factor (cosΦ)	Noise dB(A)	Vibration	Tst/Tn	Ist/In	Tmax/Tn	Weight
80M1-4	0.55	1.5	0.86	0.5	1390	71	0.75	58	1.8	2.4	5	2.3	21
80M2-4	0.75	2	1.15	0.67	1390	73	0.77	58	1.8	2.4	5	2.3	23
90S-4	1.1	2.9	1.67	0.97	1390	75	0.77	61	1.8	2.3	6	2.3	32
90L-4	1.5	3.7	2.13	1.23	1390	78	0.79	61	1.8	2.3	6	2.3	36
100L1-4	2.2	5.1	2.94	1.7	1420	80	0.81	64	1.8	2.3	6	2.4	42
100L2-4	3	6.8	3.92	2.27	1420	82	0.82	64	1.8	2.3	6	2.4	53
112M-4	4	8.8	5.07	2.94	1430	84	0.82	65	1.8	2.3	6	2.4	78
132S1-4	5.5	11.5	6.62	3.83	1450	86	0.84	71	1.8	2.3	7	2.4	86
132M-4	7.5	15.4	8.87	5.14	1450	87	0.85	71	2.8	2.3	7	2.4	133
160M-4	11	22.3	12.84	7.43	1460	88	0.85	75	2.8	2.2	7	2.4	148
160L-4	15	30.1	17.33	10.03	1460	89	0.85	75	2.8	2.2	7	2.4	166
180M-4	18.5	36.5	21.02	12.17	1470	90	0.85	76	2.8	2.2	7	2.3	209
180L-4	22	43.1	24.82	14.37	1470	90	0.85	76	2.8	2.2	7	2.3	209
200L-4	30	57.6	33.16	19.2	1470	92.5	0.86	79	2.8	2.2	7.2	2.4	289
225S-4	37	69.9	40.25	23.3	1480	92.8	0.87	81	2.8	2.2	7.2	2.4	303
225M-4	45	84.7	48.77	28.24	1480	92.8	0.87	81	2.8	2.2	7.2	2.4	278
250M-4	55	102.7	59.13	34.23	1480	93	0.87	83	3.5	2.2	7.2	2.4	446
280S-4	75	139.6	80.38	46.54	1480	93.8	0.87	86	3.5	2.2	7.2	2.4	635
280M-4	90	166.9	96.09	55.63	1480	94.2	0.87	86	3.5	2.2	7.2	2.4	708
315S-4	110	198.7	114.4	66.23	1485	94.5	0.89	93	3.5	2.1	7	2.4	998
315M-4	132	237.7	136.86	79.23	1485	94.8	0.89	93	3.5	2.1	7	2.4	1035
315L1-4	160	284.3	163.69	94.77	1485	95	0.9	97	3.5	2.1	7	2.4	1345
315L2-4	200	354.7	204.22	118.23	1485	95.2	0.9	97	3.5	2.1	7	2.4	1600
355S1-4	185	328.7	189.25	109.57	1485	95	0.9	97	3.5	2.1	7	2.4	1690
355S2-4	200	354.7	204.22	118.23	1485	95.2	0.9	97	3.5	2.1	7	2.3	1690
355M1-4	220	390.1	224.6	130.03	1485	95.2	0.9	101	3.5	2.1	7	2.4	1860
355M2-4	250	442.9	255	147.63	1485	95.5	0.9	101	3.5	2.1	7	2.4	2100
355L1-4	280	469	270.03	156.33	1485	95.5	0.9	101	3.5	2.1	7	2.4	2280
355L2-4	315	556.2	320.24	185.4	1485	95.6	0.9	101	3.5	2.1	7	2.4	2280



## YBK2 Type Flameproof Electric Motor for Coal Mine Underground (Ex-Marking ExdI Group I)

### MAIN TECHNICAL DATA (6POLES/1000RPM)

Type	Power (kW)	Current (A) 380V	Current (A) 660V	Current (A) 1140V	Speed 50HZ	Efficiency (%)	Power Factor (cosΦ)	Noise dB(A)	Vibration	Tst/Tn	Ist/In	Tmax/Tn	Weight
80M1-6	0.37	1.3	0.75	0.43	890	66	0.7	54	1.8	1.9	4	2.1	17
80M2-6	0.55	1.7	0.98	0.57	890	66	0.72	54	1.8	1.9	4	2.1	19
90S-6	0.75	2.3	1.32	0.76	910	69	0.72	57	1.8	2.1	5	2.1	21
90L-6	1.1	3.1	1.78	1.03	910	73	0.73	57	1.8	2.1	5	2.1	23
100L-6	1.5	3.9	2.25	1.3	930	76	0.76	61	1.8	2.1	5	2.1	32
112M-6	2.2	5.6	3.22	1.86	940	79	0.76	65	1.8	2.1	5	2.1	36
132S-6	3	7.3	4.2	2.43	970	81	0.77	69	1.8	2.1	6	2.4	42
132M1-6	4	9.4	5.41	3.13	970	83	0.78	69	1.8	2.1	6	2.4	53
132M2-6	5.5	12.6	7.25	4.2	970	85	0.78	69	1.8	2.1	6.5	2.4	78
160M-6	7.5	16.8	9.67	5.6	970	86	0.79	73	2.8	2.1	6.5	2.4	112
160L-6	11	24.3	13.99	8.1	970	87.5	0.79	73	2.8	2.1	6.5	2.4	133
180L-6	15	31.6	18.19	10.53	980	89	0.81	73	2.8	2.1	7	2.1	148
200L1-6	18.5	37.6	21.65	12.53	980	90	0.83	76	2.8	2.2	7	2.4	185
200L2-6	22	44.7	25.74	14.9	980	90	0.83	76	2.8	2.2	7	2.4	215
225M-6	30	57.6	33.16	19.2	980	92	0.86	76	2.8	2.1	7	2.4	289
250M-6	37	69.8	40.19	23.27	980	92	0.86	78	3.5	2.1	7	2.4	461
280S-6	45	85.9	49.46	28.63	990	92.5	0.86	80	3.5	2.1	7	2.4	530
280M-6	55	104.7	60.28	34.9	990	92.8	0.86	80	3.5	2.1	7	2.3	600
315S-6	75	141.7	81.58	47.23	989	93.5	0.86	85	3.5	2	7	2.2	985
315M-6	90	169.5	97.59	56.5	989	93.8	0.87	85	3.5	2	7	2.2	1080
315L1-6	110	206.7	119.01	68.9	989	94	0.89	85	3.5	2	7	2.2	1150
315L2-6	132	244.7	140.89	81.57	989	94.2	0.89	85	3.5	2	7	2.2	1200
355S-6	160	292.3	168.29	97.43	989	94.5	0.9	92	3.5	2	7	2.2	1620
355M1-6	185	338	194.61	112.67	989	94.5	0.9	92	3.5	2	7	2.2	1730
355M2-6	200	364.6	209.92	121.53	989	94.7	0.9	92	3.5	2	7	2.2	1930
355L1-6	220	401.1	230.94	133.7	989	94.7	0.9	92	3.5	2	7	2.2	2120
355L2-6	250	454.3	261.57	151.44	989	95	0.9	95	3.5	2	7	2.2	2230



## YBK2 Type Flameproof Electric Motor for Coal Mine Underground (Ex-Marking ExdI Group I)

### MAIN TECHNICAL DATA (8POLES/750RPM 10POLES/600RPM)

Type	Power (kW)	Current (A) 380V	Current (A) 660V	Current (A) 1140V	Speed 50HZ	Efficiency (%)	Power Factor (cosΦ)	Noise dB(A)	Vibration	Tst/Tn	Ist/In	Tmax/Tn	Weight
80M1-8	0.18	0.8	0.46	0.27	650	52	0.61	52	1.8	1.8	3.3	1.9	17
80M2-8	0.25	1.1	0.63	0.36	650	55	0.61	52	1.8	1.8	3.3	1.9	19
90S-8	0.37	1.4	0.81	0.47	670	63	0.62	56	1.8	1.8	4	2	23
90L-8	0.55	2.1	1.21	0.7	670	64	0.63	56	1.8	1.8	4	2	25
100L1-8	0.75	2.4	1.38	0.8	690	71	0.68	59	1.8	1.8	4	2	33
100L2-8	1.1	3.3	1.9	1.1	690	73	0.69	59	1.8	1.8	4	2	38
112M-8	1.5	4.4	2.53	1.46	690	75	0.69	61	1.8	1.8	4	2	50
132S-8	2.2	5.6	3.22	1.86	710	79	0.73	64	1.8	1.8	5.5	2.2	63
132M-8	3	7.6	4.38	2.54	720	81	0.73	64	1.8	1.8	5.5	2.2	80
160M1-8	4	10.3	5.93	3.43	720	81	0.73	68	2.8	1.9	6	2.2	120
160M2-8	5.5	13.4	7.72	4.47	720	83	0.75	68	2.8	1.9	6	2.2	142
160L-8	7.5	17.5	10.08	5.84	720	85	0.76	68	2.8	1.9	6	2.2	165
180L-8	11	25.3	14.57	8.44	720	87	0.76	70	2.8	1.9	6	2.2	212
200L-8	15	33.7	19.4	11.23	730	89	0.76	73	2.8	2	6.5	2.2	288
225S-8	18.5	40	23.03	13.33	740	90	0.78	73	2.8	2	6.5	2.2	336
225M-8	22	47.4	27.29	15.8	740	90.5	0.78	73	2.8	2	6.5	2.2	365
250M-8	30	63.4	36.5	21.13	740	91	0.79	75	3.5	1.9	6.5	2	510
280S-8	37	77.8	44.79	25.93	740	91.5	0.79	76	3.5	1.8	6	2	625
280M-8	45	94.1	54.18	31.37	740	92	0.79	82	3.5	1.8	6	2	710
315S-8	55	111.2	64.02	37.06	741	92.8	0.81	82	3.5	1.9	6.5	2.2	960
315M-8	75	151.3	87.11	50.43	741	93	0.81	82	3.5	1.9	6.5	2.2	1050
315L1-8	90	177.8	102.37	59.27	741	93.8	0.82	82	3.5	1.9	6.5	2.2	1220
315L2-8	110	216.8	124.82	72.26	741	94	0.82	82	3.5	2	6.5	2.2	1380
355S-8	132	259.6	149.47	86.54	742	94.2	0.82	90	3.5	2	6.5	2.2	1690
355M-8	160	313.4	180.44	104.47	742	94.6	0.82	90	3.5	2	6.5	2.2	1830
355L1-8	185	362.3	208.6	120.77	742	94.6	0.82	90	3.5	2	6.5	2.2	2200
355L2-8	200	386.2	222.36	128.73	742	94.8	0.83	90	3.5	2	6.5	2.2	2250
315S-10	45	99.1	57.06	33.03	596	92	0.75	82	3.5	1.5	6	2.1	1020
315M-10	55	121.1	69.72	40.36	596	92	0.75	82	3.5	1.5	6	2.1	1060
315L1-10	75	162.1	93.33	54.03	596	92.5	0.76	82	3.5	1.5	6	2.1	1210
315L2-10	90	191	109.97	63.67	596	93	0.77	82	3.5	1.5	6	2.1	1380
355S-10	90	190.8	109.85	63.6	597	93	0.77	82	3.5	1.5	6	2.1	1650
355M1-10	110	230.4	132.65	76.8	597	93.2	0.78	90	3.5	1.3	5.5	2.1	1790
355M2-10	132	275	158.33	91.66	597	93.5	0.78	90	3.5	1.3	5.5	2.1	1820
355L1-10	160	333	191.73	111	597	93.6	0.78	90	3.5	1.3	5.5	2.1	2100
355L2-10	185	385	221.67	128.34	597	93.6	0.78	90	3.5	1.3	5.5	2.1	2250