PERFORMANCE CHART IE3 2 Pole,4 Pole,6 Pole

Issue Date - 13/04/2018
Revision 01

Frame size	Output kW	Speed r/min	Efficiency			Power factor cos ϕ	Current		Torque			Moment of inertia J=1/4GD² kgm²	Weight kg
			Full load 100%	3/4 load 75%	1/2 load 50%		I_n, A	I_s/I_n	T_n,Nm	Ts/T_n	Tb/T_n		
3000 r/min = 2 poles				415V,50Hz									
M2BAX71MC2	0.37	2790	75.5	75.4	72.7	0.72	0.95	5.5	1.3	2.1	2.5	0.00033	9
M2BAX71MB2	0.55	2782	78.1	78.4	76.4	0.73	1.35	5.5	1.9	2.1	2.6	0.00041	10
M2BAX80MC2	0.75	2870	80.7	80.0	76.7	0.76	1.7	6.5	2.5	2.8	3.6	0.00080	14
M2BAX80MD2	1.1	2865	82.7	83.3	81.9	0.80	2.3	7.0	3.7	2.8	3.6	0.00119	17
M2BAX90SB2	1.5	2882	84.2	84.6	83.0	0.83	3	6.0	5.0	2.7	3.3	0.00224	21
M2BAX90SLA2	2.2	2890	85.9	86.7	85.8	0.88	4.4	7.0	7.3	3.0	3.5	0.00304	25
M2BAX100LKB2	3.7	2900	87.8	88.1	86.8	0.85	6.9	7.7	12.2	3.5	3.9	0.00756	42
M2BAX132SMA2	5.5	2900	89.2	89.6	88.9	0.82	10.5	7.0	18.1	2.1	3.4	0.01625	69
M2BAX132SMB2	7.5	2905	90.1	90.5	89.7	0.82	14.2	6.5	24.6	2.2	3.5	0.01821	74
M2BAX160MLJ2	9.3	2935	90.7	90.8	89.7	0.86	16.6	7.7	30.2	2.5	3.8	0.053	115
M2BAX160MLA2	11	2935	91.2	91.5	90.8	0.87	19.2	7.7	35.8	2.6	3.6	0.057	118
M2BAX160MLB2	15	2940	91.9	92.1	91.3	0.86	26.5	7.7	48.7	2.9	4.0	0.063	126
M2BAX160MLC2	18.5	2950	92.4	92.9	92.5	0.90	33.0	7.7	59.9	3.0	3.9	0.076	144
M2BAX180MLA2	22	2950	92.7	93.2	92.7	0.88	37.7	7.7	71.2	2.8	3.7	0.110	181
M2BAX200MLA2	30	2957	93.3	93.6	93.2	0.89	51	7.7	96.8	2.9	3.3	0.182	230
M2BAX200MLB2	37	2955	93.7	94.1	93.6	0.88	62.7	7.7	119.5	2.8	3.4	0.222	257
M2BAX225SMA2	45	2965	94.0	94.1	93.3	0.86	77.7	7.7	144.9	2.8	3.4	0.296	287
M2BAX250SMA2	55	2965	94.3	94.3	93.5	0.87	93.5	7.0	177.1	2.7	3.1	0.426	344
1500 r/min = 4 poles				415V,50Hz									
M2BAX71MC4	0.37	1430	73.0	69.8	62.7	0.54	1.3	4.6	2.5	2.5	3.0	0.00082	10
M2BAX80MC4	0.55	1430	78.0	77.4	73.8	0.65	1.5	6.0	3.7	2.5	2.8	0.00195	15
M2BAX80MLA4	0.75	1445	82.5	81.1	77.1	0.7	2.05	4.5	5.0	3.5	3.9	0.00309	20
M2BAX90SB4	1.1	1435	84.1	83.7	81.0	0.70	2.6	6.0	7.3	3.0	3.7	0.00397	22
M2BAX90SLA4	1.5	1431	85.3	85.2	82.9	0.75	3.5	6.0	10.0	3.5	3.9	0.00486	25
M2BAX100LB4	2.2	1445	86.7	86.9	85.1	0.74	4.8	7.0	14.5	2.9	3.7	0.00919	34
M2BAX112MLA4	3.7	1450	88.4	88.5	87.0	0.76	7.7	7.5	24.4	3.3	3.9	0.01542	50
M2BAX132SMA4	5.5	1460	89.6	90.6	90.2	0.79	10.8	7.0	36.0	2.0	3.0	0.03505	72
M2BAX132MLA4	7.5	1467	90.4	90.9	90.3	0.75	15.4	7.0	48.8	2.1	3.5	0.04108	84
M2BAX160MLJ4	9.3	1470	91.0	90.9	89.5	0.77	18.5	7.5	60.4	2.7	4.0	0.105	130
M2BAX160MLA4	11	1470	91.4	91.5	90.5	0.78	21.6	7.5	71.4	2.6	3.8	0.110	134
M2BAX160MLB4	15	1475	92.1	92.2	91.3	0.80	28.8	7.5	97.1	3.0	3.9	0.135	159
M2BAX180MLA4	18.5	1475	92.6	93.0	92.5	0.80	34.7	7.5	119.7	2.5	3.3	0.219	192
M2BAX180MLB4	22	1475	93.0	93.5	93.0	0.79	41.5	7.5	142.4	2.9	3.5	0.243	205
M2BAX200MLA4	30	1480	93.6	93.8	93.2	0.83	54	7.5	193.5	2.9	3.3	0.385	259
M2BAX225SMA4	37	1480	93.9	94.2	93.8	0.80	68.5	7.5	238.6	2.8	3.2	0.427	274
M2BAX225SMB4	45	1480	94.2	94.6	94.3	0.81	82.5	7.5	290.2	2.5	3.1	0.525	307
M2BAX250SMA4	55	1482	94.6	94.7	94.1	0.82	99	7.5	354.2	2.6	3.0	0.694	358
1000 r/min = 6 poles				415V,50Hz									
M2BAX80MC6	0.37	931	71.9	70.6	65.6	0.65	1.15	3.9	3.8	2.5	2.8	0.00220	15
M2BAX80MLA6	0.55	935	75.9	74.9	70.4	0.59	1.70	4.5	5.6	2.8	3.3	0.00349	19
M2BAX90SLA6	0.75	940	78.9	77.5	73.2	0.63	2.1	4.5	7.6	2.3	3.0	0.00487	25
M2BAX90LB6	1.1	945	81.0	79.7	75.4	0.61	3.1	4.5	11.1	3.0	3.6	0.00676	30
M2BAX100LKA6	1.5	954	82.5	82.6	80.2	0.67	3.8	4.5	15.0	2.2	2.4	0.00994	37
M2BAX112MLA6	2.2	952	84.3	84.4	82.5	0.66	5.5	5.0	22.1	1.9	2.7	0.01388	47
M2BAX132SMB6	3.7	960	86.5	87.0	86.0	0.68	8.8	5.0	36.8	1.6	2.7	0.03540	72
M2BAX132MLA6	5.5	965	88.0	88.3	87.3	0.68	12.7	5.0	54.4	1.6	2.8	0.05334	97
M2BAX160MLA6	7.5	965	89.1	90.2	90.0	0.72	16.2	6.5	74.2	1.8	3.1	0.089	119
M2BAX160MLJ6	9.3	970	89.8	90.3	89.7	0.70	20.6	6.5	91.5	1.9	3.1	0.128	153
M2BAX160MLB6	11	970	90.3	91.0	90.7	0.74	23.0	6.5	108.2	1.7	2.6	0.138	160
M2BAX180MLA6	15	972	91.2	91.6	91.0	0.75	30.5	6.0	147.3	1.5	2.6	0.212	190
M2BAX200MLA6	18.5	980	91.7	91.8	90.9	0.80	35.0	7.0	180.2	2.2	3.1	0.496	238
M2BAX200MLB6	22	980	92.2	92.2	91.1	0.79	42.2	7.5	214.3	2.3	3.6	0.585	263
M2BAX225SMA6	30	982	92.9	93.0	92.0	0.76	59.0	7.5	291.6	2.3	3.0	0.724	285
M2BAX250SMA6	37	985	93.3	93.7	93.4	0.80	69.3	7.0	358.6	2.1	2.5	1.300	379

Ambient - 50 Deg , Insultion Class F, Temp. rise Class B , TEFC , IP55 , S1 Duty.
Applicable Standard - IS 12615-2011
All Data are subject to IS tolerance

I_s/I_n Starting Current
Ts/T_n Locked rotor torque
Tb/T_n Breakdown torque