

ELECTRO MOTORS - TECHNICAL DATA

1-phase electro-motors - 2800 / 1400 rpm.:



Approved according to following standards:

- CE-approved
- IEC-standard

General data:

230V, 50Hz, IP55, Iso. Kl. F, S1

All information in the forms below is only intended as a guide. At mounting the exact value must be read on the motor rating plate.

General operational conditions:

Min. temp.: -10°C
Max. temp.: +40°C

Ambient temperature	[°C]	30	40	45	50	55	60
Nominal yielded current reduced to	[%]	100	100	96	90	86	82
Operational height	[m]	1000	1050	2000	2500	3000	4000
Nominal yielded current reduced to	[%]	100	97	94	90	86	77

Output [kW]	Frame size	Rotation [rpm]	Voltage [VAC]	Rated current [Amp]	Start current [I_s/I_N]	Efficiency [%]	Effect factor [COS Φ]
0.25	63-2C	2760	230	1.9	2.2	64.00	0.92
0.37	71-2B	2800	230	3.0	2.7	64.00	0.84
0.55	71-2C	2780	230	3.6	3.2	70.00	0.98
0.75	80-2B	2800	230	5.0	3.4	70.00	0.94
1.10	80-2C	2780	230	6.4	3.5	76.00	0.98
1.50	90S-2	2760	230	6.4	3.0	76.00	0.98
2.20	90L-2	2700	230	10.2	2.8	71.00	0.90
0.25	71-4B	1340	230	2.5	2.0	56.00	0.80
0.37	71-4C	1320	230	3.2	2.1	59.00	0.88
0.55	80-4B	1360	230	3.9	3.2	68.00	0.91
0.75	80-4C	1340	230	5.6	2.5	65.00	0.90
1.10	90-4L	1300	230	7.8	2.2	67.00	0.92

ELECTRO MOTORS - TECHNICAL DATA

3-phase electro-motors - 2800 rpm.:

Energy class IE1/IE3

Approved according to following standards:

- CE-approved
- IEC-standard

General data:

230V, 50Hz, IP55, Iso. Kl. F, S1

General operational conditions:

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Ambient temperature	[°C]	30	40	45	50	55	60	
Nominal yielded current reduced to	[%]	100	100	96	90	86	82	
Operational height	[m]	1000	1050	2000	2500	3000	3500	4000
Nominal yielded current reduced to	[%]	100	97	94	90	86	82	77

Output [kW]	Frame size	Rotation [rpm]	Voltage [VAC]	Rated current [Amp]	Start current [I_L/I_N]	Efficiency [%]	Effect factor [COS Φ]
0.25 ¹⁾	63-2B	2780	230 / 400	1.10/0.65	4.0	72.0	0.78
0.37 ¹⁾	71-2A	2800	230 / 400	1.75/1.00	4.4	71.0	0.77
0.55 ¹⁾	71-2B	2790	230 / 400	2.35/1.35	4.0	75.0	0.82
0.75 ²⁾	80-2A	2850	230 / 400	2.85/1.65	6.3	82.0	0.82
1.10 ²⁾	80-2B	2840	230 / 400	3.80/2.20	6.9	83.0	0.86
1.50 ²⁾	90S-2	2925	230 / 400	5.30/3.00	8.1	84.2	0.85
2.20 ²⁾	90L-2	2910	230 / 400	7.50/4.30	8.0	85.9	0.86
3.00 ²⁾	100L-2	2915	230 / 400	10.20/5.80	9.3	87.1	0.85
4.00 ²⁾	112M-2	2925	400 / 690	7.40/4.30	8.4	88.1	0.89
5.50 ²⁾	132S-2A	2940	400 / 690	10.00/5.80	8.2	89.2	0.89
*F 5.50 ²⁾	112M-2A	2925	400 / 690	10.20/5.90	7.4	89.2	0.87
7.50 ²⁾	132S-2B	2940	400 / 690	13.30/7.70	8.5	90.1	0.90
*F 11.00 ²⁾	132M-2A	2925	400 / 690	19.60/11.30	8.1	91.2	0.89
11.00 ²⁾	160M-2A	2945	400 / 690	19.30/11.20	7.3	91.2	0.90
15.00 ²⁾	160M-2B	2945	400 / 690	26.20/15.20	7.4	91.9	0.90
18.50 ²⁾	160L-2	2940	400 / 690	32.10/18.60	7.7	92.4	0.90
22.00 ²⁾	180M-2	2955	400 / 690	38.10/22.10	9.2	92.7	0.90
30.00 ²⁾	200L-2A	2965	400 / 690	51.00/30.00	7.0	93.5	0.90
37.00 ²⁾	200L-2B	2955	400 / 690	63.00/37.00	6.3	93.7	0.90
45.00 ²⁾	225M-2	2972	400 / 690	78.00/45.00	6.7	94.2	0.88

¹⁾ IE1

²⁾ IE3

* Increased efficiency

Data is subject to alterations
Rev. 06.19

ELECTRO MOTORS - TECHNICAL DATA

3-phase electro-motors - 1400 rpm.:

Energiklasse IE1/IE3

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General operational conditions:

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Operational height	[m]	1000	1050	2000	2500	3000	3500	4000
Nominal yielded current reduced to	[%]	100	97	94	90	86	82	77

Output [kW]	Frame size	Rotation [rpm]	Voltage [VAC]	Rated current [Amp]	Start current [I_L/I_N]	Efficiency [%]	Effect factor [COS Φ]
0.06 ¹⁾	56-4A	1400	230 / 400	0.52/0.30	2.8	50.0	0.58
0.25 ¹⁾	71-4A	1380	230 / 400	1.50/0.85	3.0	66.0	0.64
0.37 ¹⁾	71-4B	1377	230 / 400	2.20/1.25	3.1	70.0	0.68
0.55 ¹⁾	80-4A	1400	230 / 400	2.80/1.60	3.6	73.0	0.69
0.75 ²⁾	80-4B	1430	230 / 400	3.60/2.10	5.7	82.5	0.64
1.10 ²⁾	90S-4	1450	230 / 400	4.30/2.50	7.6	84.1	0.77
1.50 ²⁾	90L-4	1450	230 / 400	5.70/3.30	8.0	85.3	0.78
2.20 ²⁾	100L-4A	1460	230 / 400	8.10/4.60	7.5	86.7	0.79
3.00 ²⁾	100L-4B	1460	230 / 400	11.20/6.40	7.8	87.7	0.77
4.00 ²⁾	112M-4	1460	400 / 690	8.10/4.70	7.1	88.5	0.80
5.50 ²⁾	132S-4	1465	400 / 690	10.40/6.00	8.5	89.6	0.85

¹⁾ IE1

²⁾ IE3