

# Performance Data

2 Poles 50 Hz , Synchronous Speed 3000 rpm, Class F Insulation, S1 (MCR) Duty, Efficiency Class EFF2

Output		Full Load Speed (RPM)	Frame Size	% Efficiency			% Power Factor			Full-load Current				Torque			Rotor GD <sup>2</sup> (Kg·m <sup>2</sup> )	Cast Iron frame motor Wt (Kg)	A1 frame motor Wt (Kg)
KW	(HP)			Full Load	75% Load	50% Load	Full Load	75% Load	50% Load	380V	400V	415V	LRC FLC	FLT	LRT FLT	BDT FLT			
														Kg-m	(%)	(%)			
0.18	0.25	2730	63M	65	66	63	80	71	56.5	0.53	0.5	0.48	550	0.064	220	220	0.001	---	4.5
0.25	0.33	2730	63M	68	69	66.5	81	72	57	0.69	0.66	0.63	550	0.089	220	220	0.001	---	4.9
0.37	0.5	2750	71M	70	71	68.5	81	72.5	57	0.99	0.94	0.91	610	0.131	220	220	0.001	---	5.5
0.55	0.75	2790	71M	73	74	72.5	83	75.5	61	1.38	1.31	1.26	610	0.192	220	230	0.002	---	7
0.75	1	2845	80M	75	75.5	73.5	83	76	62.5	1.83	1.74	1.68	610	0.257	220	230	0.003	15	9
1.1	1.5	2845	80M	77	78	77	84	77.5	65	2.58	2.46	2.37	700	0.376	220	230	0.004	16	10
1.5	2	2840	90S	79	80	79	84	79	67.5	3.43	3.27	3.15	700	0.514	220	230	0.006	22	13
2.2	3	2840	90L	81	82.5	82	85	80.5	70.5	4.85	4.62	4.45	700	0.754	220	230	0.008	25	16
3	4	2830	100L	83	84	83	87	83.5	74	6.31	6	5.79	750	1.031	220	230	0.013	33	20
4	5.5	2880	112M	84.2	85	84.5	88	85	77.5	8.2	7.8	7.52	750	1.351	220	230	0.024	40	26
5.5	7.5	2915	132S	86	86	85	88	84.5	76.5	11	10.5	10.1	750	1.836	220	230	0.047	59	39
7.5	10	2905	132S	87	87.5	87	88	85.5	79	14.9	14.2	13.6	750	2.512	220	230	0.054	62	42
11	15	2935	160M	88.8	88	86.5	90.5	88	81	20.8	19.8	19	750	3.647	220	260	0.167	107	---
15	20	2935	160M	89.8	89.5	88.5	91	89	83	27.9	26.5	25.5	750	4.973	220	260	0.204	117	---
18.5	25	2935	160L	91.1	90.5	89.5	92	90.5	85	33.5	31.9	30.7	750	6.133	220	270	0.255	134	---
22	30	2950	180M	90.6	90	88.5	92	90	84.5	40.1	38.1	36.7	750	7.256	200	260	0.348	169	---
30	40	2950	200L	91.4	90.5	89.5	91.5	90	85	54.5	51.8	49.9	750	9.895	200	230	0.558	220	---
37	50	2950	200L	92.1	91.5	90.5	92	91	86.5	66.3	63	60.8	750	12.2	200	240	0.680	239	---
45	60	2960	225M	92.7	92	91	91.5	90	85	80.6	76.6	73.8	750	14.79	200	240	0.977	297	---
55	75	2970	250M	93	92.5	91	91	89	84	98.7	93.8	90.4	750	18.02	200	240	1.397	380	---
75	100	2975	280S	93.6	92.5	91	92	91	86.5	132	126	121	750	24.53	200	240	2.268	510	---
90	125	2975	280M	94.1	93	92	92.5	92	88	157	149	144	750	29.44	200	240	2.636	540	---
110	150	2980	315S	94.4	93	91	92	91	87	192	183	176	710	35.92	180	250	5.890	920	---
132	175	2980	315M	94.8	93.5	92	92	91.5	88	230	218	211	710	43.1	180	240	6.597	970	---
160	215	2975	315L	95	93.5	92	93	93	91	275	261	252	710	52.33	180	220	7.421	1080	---
200	268	2975	315L	95	94	92.5	92.5	92	89.5	346	329	317	710	65.41	180	220	8.482	1170	---
250	335	2980	355M	95.3	94	92.5	93	93	91.5	429	407	392	710	81.63	160	230	13.608	1690	---
315	422	2980	355L	95.6	94.5	93.5	93.5	93.5	92	535	509	490	710	102.9	160	230	16.429	1860	---

Note :

1. FLC = full-load current, LRC = locked rotor current, FLT= full-load torque, LRT = locked rotor torque, BDT=breakdown torque or pull-out torque
2. Tests and performance tolerances are in accordance with EN60034
3. To obtain the ampere values of 220V 50Hz, multiply the 380 volt values by the factor of 1.73
4. Aluminium frame model AEAUVK (foot-mounted) , AEGVUK (flange-mounted) and AEAUVUP (Foot and flange mounting) are up to frame size 132M only  
Cast iron frame motors (Model AEEVUK, AEUVUK and AEEVUP) are from frame size 80 through 355L
5. Weights shown above are for foot-mounted motor.
6. Data is subject to change without prior notification.

# Performance Data

4 Poles 50 Hz, Synchronous Speed 1500 rpm, Class F insulation, S1 (MCR) Duty, Efficiency Class EFF2

Output		Full Load Speed (RPM)	Frame Size	% Efficiency			% Power Factor			Full-load Current			LRC FLC	Torque			Rotor GD <sup>2</sup> (Kg-m <sup>2</sup> )	Cast Iron frame motor Wt (Kg)	A1 frame motor Wt (Kg)
KW	(HP)			Full Load	75% Load	50% Load	Full Load	75% Load	50% Load	380V	400V	415V		FLT	LRT FLT	BDT FLT			
													(%)	Kg-m	(%)	(%)			
0.12	0.16	1320	63M	57	57.5	53.5	72	62.5	49	0.44	0.42	0.41	440	0.088	210	220	0.001	---	4.8
0.18	0.25	1320	63M	60	61	57.5	73	63.5	50	0.62	0.59	0.57	440	0.133	210	220	0.002	---	5
0.25	0.33	1350	71M	65	65	61.5	74	63.5	49	0.79	0.75	0.72	520	0.18	210	220	0.003	---	6.3
0.37	0.50	1340	71M	67	68	64.5	75	65	49.5	1.12	1.06	1.03	520	0.269	210	220	0.003	---	6.5
0.55	0.75	1390	80M	71	71.5	68	75	65.5	50.5	1.57	1.49	1.44	520	0.385	240	230	0.005	15	9.5
0.75	1	1380	80M	74.5	75	73	76	66.5	52	2.01	1.91	1.85	600	0.529	230	230	0.007	16	10
1.1	1.5	1395	90S	76.2	76.5	74	77	68	52.5	2.85	2.71	2.61	600	0.767	230	230	0.009	22	11
1.5	2	1390	90L	78.5	79.5	78	79	70	55.5	3.67	3.5	3.37	600	1.05	230	230	0.013	27	15.5
2.2	3	1410	100L	81	82	80.5	81	73.5	59.5	5.09	4.85	4.67	700	1.518	230	230	0.024	34	20
3	4	1410	100L	82.6	83.5	83	82	75.5	62.5	6.73	6.4	6.17	700	2.07	230	230	0.032	35	23.5
4	5.5	1435	112M	84.2	85	84	82	75.5	62	8.8	8.37	8.07	700	2.712	230	230	0.052	44	30
5.5	7.5	1440	132S	85.7	86	85	83	78	68	11.7	11.2	10.8	700	3.716	230	230	0.106	61	40
7.5	10	1440	132M	87	87.5	86.5	84	79.5	69.5	15.6	14.8	14.3	700	5.068	230	230	0.146	73	51
11	15	1460	160M	88.5	89.5	89	85.5	80.5	69.5	22.1	21	20.2	700	7.331	220	290	0.332	113	---
15	20	1465	160L	90.3	90.5	90	85.5	80.5	70	29.5	28	27	750	9.962	220	310	0.442	133	---
18.5	25	1470	180M	90.7	91	90	86	81.5	71	36	34.2	33	750	12.25	220	260	0.607	167	---
22	30	1470	180L	91.5	91.5	90.5	86	81.5	71	42.5	40.4	38.9	750	14.56	220	270	0.679	181	---
30	40	1475	200L	92	92	91.5	87	83	74	56.9	54.1	52.1	720	19.79	220	260	1.111	232	---
37	50	1480	225S	92.7	92.5	92	87.5	84.5	76.5	69.3	65.8	63.5	720	24.33	220	230	1.911	287	---
45	60	1480	225M	93.3	93	92.5	87.5	84	75.5	83.7	79.6	76.7	720	29.58	220	250	2.335	322	---
55	75	1480	250M	93.3	93	92.5	87.5	84.5	76.5	102	97.2	93.7	720	36.16	220	230	2.755	385	---
75	100	1485	280S	93.6	93.5	92.5	88.5	86.5	80	138	131	126	720	49.14	220	230	5.123	510	---
90	125	1485	280M	94.4	94	93	88	85	76.5	165	156	151	720	58.97	220	260	6.433	600	---
110	150	1485	315S	94.7	94.5	93.5	89.5	87.5	81.5	197	187	181	690	72.07	210	220	12.412	930	---
132	175	1485	315M	94.8	94.5	94	89.5	87.5	81	236	225	216	690	86.49	210	220	13.963	1010	---
160	215	1485	315L	95	94.5	94	90	88.5	83.5	284	270	260	690	104.8	210	230	16.401	1070	---
200	268	1485	315L	95.2	95	94.5	90	89	84	355	337	325	690	131	210	220	19.282	1170	---
250	335	1490	355M	95.5	95	94.5	91	90	86	437	415	400	690	163.3	210	220	31.752	1720	---
315	422	1490	355L	95.8	95.5	94.5	91.5	91	87.5	546	519	500	690	205.7	210	220	39.311	1870	---

Note :

1. FLC = full-load current, LRC = locked rotor current,  
FLT= full-load torque, LRT = locked rotor torque, BDT=breakdown torque or pull-out torque
2. Tests and performance tolerances are in accordance with EN60034
3. To obtain the ampere values of 220V 50Hz, multiply the 380 volt values by the factor of 1.73
4. Aluminium frame motors AEAUVK (foot-mounted) , AEGVUK (flange-mounted) and AEAUVUP (Foot and flange mounting) are up to frame size 132M only  
Cast iron frame motors (Model AEEVUK, AEUVUK and AEEVUP) are from frame size 80 through 355L
5. Weights shown above are for foot-mounted motor.
6. Data is subject to change without prior notification.

# Performance Data

6 Poles 50 Hz, Synchronous Speed 1000 rpm, Class F insulation, SI (MCR) Duty, Efficiency Class EFF2

Output		Full Load Speed (RPM)	Frame Size	% Efficiency			% Power Factor			Full-load Current				Torque			Rotor GD <sup>2</sup> (Kg·m <sup>2</sup> )	Cast Iron frame motor Wt (Kg)	A1 frame motor Wt (Kg)
KW	(HP)			Full Load	75% Load	50% Load	Full Load	75% Load	50% Load	380V	400V	415V	LRC FLC	FLT	LRT FLT	BDT FLT			
														Kg-m	(%)	(%)			
0.18	0.25	865	71M	62.5	62.5	57	72	61.5	48	0.61	0.58	0.56	400	0.202	190	200	0.004	---	6
0.25	0.33	865	71M	65	65	60	71	60.5	47	0.82	0.78	0.76	400	0.281	190	200	0.005	---	6.8
0.37	0.5	885	80M	62	61.5	53.5	70	59	44.5	1.3	1.23	1.19	470	0.407	190	200	0.007	15	9
0.55	0.75	885	80M	64	63.5	55.5	69	58.5	44	1.89	1.8	1.74	470	0.605	190	210	0.009	16	10
0.75	1	915	90S	72.5	72	67	71	60	44.5	2.21	2.11	2.03	560	0.798	200	210	0.015	24	13
1.1	1.5	915	90L	75.2	74.5	70.5	71	59.5	45.5	3.16	2.98	2.87	560	1.17	200	210	0.021	27	16
1.5	2	910	100L	78	79	77.5	74	65.5	52.5	3.95	3.76	3.62	640	1.604	200	210	0.037	36	20
2.2	3	945	112M	80.5	81	79.5	75	67	52.5	5.54	5.27	5.08	650	2.265	200	210	0.067	43	27
3	4	965	132S	81.5	81	78.5	76	65.5	51	7.36	7	6.75	650	3.025	210	210	0.121	56	36
4	5.5	965	132M	83	82.5	80.5	76	66.5	52.5	9.63	9.16	8.83	650	4.033	210	210	0.164	71	42
5.5	7.5	965	132M	84.6	83.5	82	77	69.5	56	12.8	12.2	11.8	650	5.546	210	210	0.221	75	52
7.5	10	970	160M	86	85.5	83.5	74	65	49.5	17.9	17	16.4	650	7.523	200	290	0.374	108	---
11	15	970	160L	87.8	86.5	85.5	77	69.5	55.5	24.7	23.5	22.6	650	11.03	200	280	0.530	131	---
15	20	975	180L	89.5	89.5	88.5	82	75.5	62	31.1	29.5	28.4	700	14.97	200	250	0.890	171	---
18.5	25	980	200L	90.1	90	89	83	77.5	65.5	37.6	35.7	34.4	700	18.37	210	240	1.331	216	---
22	30	975	200L	90.6	90.5	90	84.5	79.5	69	43.7	41.5	40	700	21.95	210	230	1.539	225	---
30	40	985	225M	91.8	92	91.5	82.5	77.5	67	60.2	57.2	55.1	700	29.63	200	220	2.452	286	---
37	50	980	250M	92	91.5	91	87.5	84.5	76.5	69.8	66.3	63.9	700	36.74	210	250	3.741	380	---
45	60	985	280S	92.5	92.5	91.5	87.5	84	75	84.5	80.2	77.4	700	44.45	210	250	5.985	465	---
55	75	985	280M	92.8	93	92.5	88	85	77	102	97.2	93.7	700	54.33	210	250	7.149	540	---
75	100	990	315S	93.5	93.5	93	86	82	73.5	142	135	130	700	73.71	200	220	14.433	861	---
90	125	990	315M	93.9	94	93	86.5	83	74.5	168	160	154	700	88.45	200	230	17.084	940	---
110	150	990	315L	94.3	94.5	94	87	85	77	204	194	187	670	108.1	200	220	21.208	1100	---
132	175	990	315L	94.7	94.5	94	87	84.5	76	243	231	223	670	129.7	200	230	24.448	1175	---
160	215	990	355M	94.9	94.5	93.5	89	87	81.5	288	273	264	670	157.3	190	230	35.024	1620	---
200	268	990	355M	95	95	94	89	87	81.5	359	341	329	670	196.6	190	230	41.650	1730	---
250	335	990	355L	95	95	94	89.5	88	82.5	447	424	409	670	245.7	190	230	53.010	1820	---

Note :

1. FLC = full-load current, LRC = locked rotor current,  
FLT= full-load torque, LRT = locked rotor torque, BDT=breakdown torque or pull-out torque
2. Tests and performance tolerances are in accordance with EN60034
3. To obtain the ampere values of 220V 50Hz, multiply the 380 volt values by the factor of 1.73
4. Aluminium frame model AEAUVK (foot-mounted) , AEGVUK (flange-mounted) and AEAUVUP (Foot and flange mounting) are up to frame size 132M only  
Cast iron frame motors (Model AEEVUK, AEUVUK and AEEVUP) are from frame size 80 through 355L
5. Weights shown above are for foot-mounted motor.
6. Data is subject to change without prior notification.

# Performance Data

8 Poles 50 Hz, Synchronous Speed 1000 rpm, Class F insulation, SI (MCR) Duty, Efficiency Class EFF2

Output		Full Load Speed (RPM)	Frame Size	% Efficiency			% Power Factor			Full-load Current				Torque			Rotor GD <sup>2</sup> (Kg-m <sup>2</sup> )	Cast Iron frame motor Wt (Kg)	A1 frame motor Wt (Kg)
KW	(HP)			Full Load	75% Load	50% Load	Full Load	75% Load	50% Load	380V	400V	415V	LRC FLC	FLT	LRT FLT	BDT FLT			
0.18	0.25	645	80M	51	49.5	44	61	51.5	40.5	0.88	0.84	0.81	330	0.272	180	190	0.008	16	9
0.25	0.33	645	80M	54	52	46	61	51	40	1.15	1.1	1.06	330	0.377	180	190	0.01	17	10
0.37	0.5	670	90S	62	60.5	55	61	51	39.5	1.49	1.41	1.36	400	0.537	180	190	0.016	24	13
0.55	0.75	670	90L	63	61.5	55.5	61	50.5	38.5	2.17	2.07	1.99	400	0.799	180	200	0.02	26	16
0.75	1	680	100L	69.5	67.5	59.5	65	53.5	40	2.52	2.4	2.31	400	1.073	180	200	0.026	33	20
1.1	1.5	680	100L	72	71.5	66.5	69	58	43.5	3.36	3.2	3.08	500	1.574	180	200	0.034	34	23.5
1.5	2	700	112M	75	74.5	70.5	69	58.5	44	4.4	4.19	4.04	500	2.085	180	200	0.058	39	30
2.2	3	710	132S	78	77.5	73.5	71	60.5	45.5	6.04	5.74	5.53	600	3.015	180	200	0.121	62	42
3	4	710	132M	80	81	79	73	64.5	50.5	7.8	7.42	7.16	600	4.111	180	200	0.164	66	52
4	5.5	720	160M	82.3	82	79.5	73	62.5	48	10.1	9.61	9.26	600	5.406	190	230	0.265	94	—
5.5	7.5	720	160M	84.5	84.5	83	73.5	64.5	50.5	13.5	12.8	12.3	600	7.433	200	240	0.374	106	—
7.5	10	720	160L	85.5	85	83.5	75.5	67.5	53	17.7	16.8	16.2	600	10.14	200	240	0.530	128	—
11	15	725	180L	87.5	88	87	76	69	55	25.1	23.9	23	660	14.76	200	220	0.864	170	—
15	20	730	200L	89.1	89.5	88.5	75.5	69	56	33.9	32.2	31	660	19.99	200	230	1.456	220	—
18.5	25	730	225S	90.1	90.5	89	75.5	68.5	55	41.3	39.3	37.8	660	24.66	190	230	2.180	270	—
22	30	730	225M	90.6	91	90	77.5	71.5	59	47.6	45.2	43.6	660	29.32	190	220	2.588	295	—
30	40	735	250M	90.8	91	90	78.5	71.5	58.5	63.9	60.7	58.6	660	39.71	190	240	3.938	370	—
37	50	735	280S	91.5	92	91	80.5	74.5	62.5	76.3	72.5	69.9	660	48.98	190	210	6.333	475	—
45	60	740	280M	92	92	91.5	79.5	73.5	61	93.5	88.8	85.6	660	59.17	190	230	7.813	555	—
55	75	740	315S	92.8	93	92	82	78	68	110	104	101	660	72.32	180	210	15.946	905	—
75	100	740	315M	93.5	93.5	92.5	82.5	79	70	148	140	135	660	98.61	180	210	21.794	981	—
90	125	740	315L	93.8	94	93	82.5	79	69	177	168	162	660	118.3	180	220	25.946	1070	—
110	150	740	315L	94.1	94	93	81.5	77.5	68	218	207	200	640	144.6	180	210	30.443	1160	—
132	175	740	355M	94.4	94	93	81.5	77.5	66.5	261	248	239	640	173.6	180	200	46.553	1700	—
160	215	740	355M	94.7	94.5	93	82.5	79.5	71.5	311	296	285	640	210.4	180	200	52.955	1730	—
200	268	740	355L	94.8	94.5	93.5	82.5	80	72	389	369	356	640	263	180	200	65.175	1970	—

10 Poles 50 Hz, Synchronous Speed 600 rpm, Class F insulation, S1 (MCR) Duty, Efficiency Class EFF2

Output		Full Load Speed (RPM)	Frame Size	% Efficiency			% Power Factor			Full-load Current				Torque			Rotor GD <sup>2</sup> (Kg-m <sup>2</sup> )	Cast Iron frame motor Wt (Kg)	A1 frame motor Wt (Kg)
KW	(HP)			Full Load	75% Load	50% Load	Full Load	75% Load	50% Load	380V	400V	415V	LRC FLC	FLT	LRT FLT	BDT FLT			
45	60	590	315S	92	92.5	91.5	76	70.5	59.5	97.8	92.9	89.5	600	74.21	150	200	15.913	890	—
55	75	590	315M	92.5	93	91.5	75	69	57.5	120	114	110	600	90.7	150	200	19.373	965	—
75	100	590	315L	93	93.5	92.5	76.5	71	60	160	152	147	600	123.7	150	200	25.984	1040	—
90	125	590	315L	93.3	93.5	92.5	76	70.5	59.5	193	183	177	600	148.4	150	200	30.443	1130	—
110	150	590	355M	93.4	93.5	92.5	79	75	64	227	215	207	600	181.4	130	200	44.226	1620	—
132	175	590	355M	93.6	94	93	78	73.5	61.5	275	261	252	600	217.7	130	200	52.955	1730	—
160	215	590	355L	93.7	94	93	78.5	76	66.5	330	314	303	600	263.9	130	200	65.175	1970	—

Note :

1. FLC = full-load current, LRC = locked rotor current,  
FLT= full-load torque, LRT = locked rotor torque, BDT=breakdown torque or pull-out torque
2. Tests and performance tolerances are in accordance with EN60034
3. To obtain the ampere values of 220V 50Hz, multiply the 380 volt values by the factor of 1.73
4. Aluminium frame model AEAUVK (foot-mounted), AEGVUK (flange-mounted) and AEAUVU (Foot and flange mounting) are up to frame size 132M only. Cast iron frame motors (Model AEEVUK, AEUUVUK and AEEVUP) are from frame size 80 through 355L
5. Weights shown above are for foot-mounted motor. 6. Data is subject to change without prior notification.