



General Catalogue

Company introduction
and product overview

www.emanetherlands.nl



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Premium electric motors from the Netherlands.



CoC no: 94353409

VAT no: NL866745725B01

E-mail: info@emanetherlands.nl

Web: emanetherlands.nl

Tel: +31(0)617 599 765



General catalogue

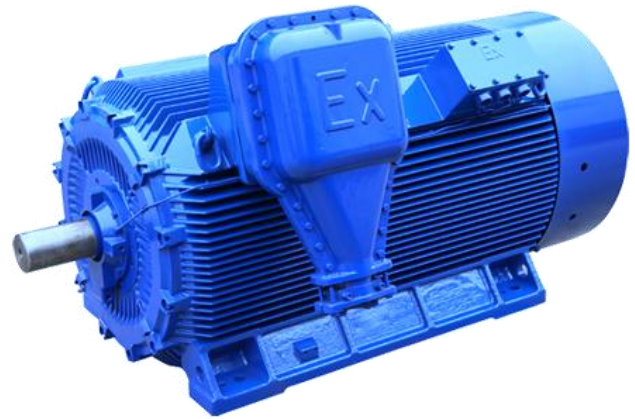
Company introduction and product overview

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Introduction

About us

At Electric Motors Amsterdam, we're driving the future of motion with high-performance electric motors. Founded with a commitment to sustainability and innovation, we provide a diverse range of electric motors for industrial, commercial, and emerging applications. Our team of experts is dedicated to delivering superior efficiency, reliability, and customized solutions to power your projects. Join us in shaping a cleaner, more electric tomorrow.



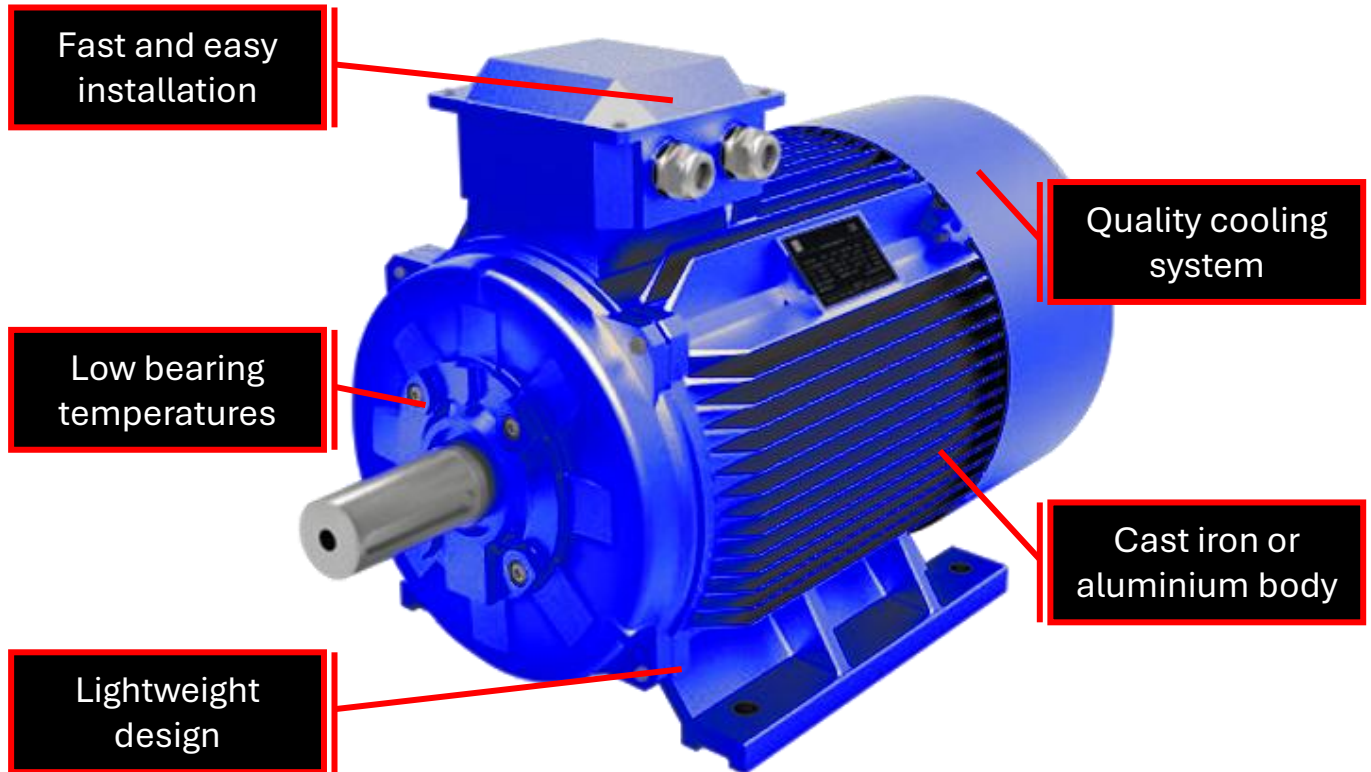
Our mission

At Electric Motors Amsterdam, we engineer electric motors that stand shoulder-to-shoulder with the industry's leading manufacturers. Our commitment to quality ensures you receive:

- **Durability You Can Trust:** Built with premium materials and rigorous testing, our motors are designed to last, minimizing downtime and maximizing productivity.
- **Power When You Need It:** We offer a wide range of motors to meet your specific needs, delivering the optimal power output for any application.
- **Leading-Edge Efficiency:** Incorporate energy savings into your operations. Our motors are engineered for peak efficiency, reducing your environmental impact and lowering energy costs.
- **Seamless Compatibility:** Our motors integrate effortlessly with existing systems, ensuring a smooth transition and minimal disruption to your workflow.



Our products



About our products

All of our electric motors are designed and produced to meet the latest technical standards. We never stop our efforts to innovate and meet the highest quality demands and the best possible efficiency in the field.

The EMA factories produce electric motors under license of ABB and Marathon (Regal Rexnord), so EMA offers equal quality but at a far more affordable price point. We provide electric motors that can meet a range of standards and demands, at delivery times that are also highly competitive.

Build quality

Good products start with high-quality internals. EMA electric motors have a longer lifetime than comparable products thanks to our high quality.

Not only do we make sure our internals are of a high-quality standard, but we also pay close attention to the exterior of our electric motors. In our philosophy; a good product doesn't only need to function well but also look the part.





Low-Voltage Electric Motors

We offer a wide range of low-voltage electric motors, designed to meet various industry and safety standards. Whether you need motors compliant with European, American, or other specific standards, or require Safe Area certified motors, we have the expertise to provide the right solution.

General-Purpose Low-Voltage Motors

At Electric Motors Amsterdam, we supply high-quality low-voltage motors designed for efficiency and reliability in industrial and commercial settings. Our general-purpose motors feature cast iron shells for durability and are typically Totally Enclosed Fan Cooled (TEFC), protecting internal components from harsh environments.

Our motors are asynchronous (induction) motors, favored for their simplicity and robustness. We're committed to energy efficiency, offering motors rated from IE1 (Standard Efficiency) up to IE5 (Ultra-Premium Efficiency). Upgrading to higher IE-rated motors can significantly reduce your energy consumption and operating costs.

We ensure versatile integration with various installation options including B3 (foot-mounted), B5 (flange-mounted), B35 (foot and flange), V1 (vertical flange-down), B14 (small flange), and B34 (foot and small flange), making our motors suitable for almost any application. Contact us to see what options and configurations are available for your needs.

We offer the following General-Purpose Low-Voltage motor types, for the most popular types you can find the performance sheet on the next pages.

	EMA2	EMA3/4/5	EMAVF	EMA2Z	EMAD
Model	EMA2 80~355	EMA3 80~355	EMAVF 80~400	EMA2Z 344/400/ 455	EMAD 80~355
Mounting	B3, B4, B35, V1, B14,B35	B3,B5, B35, V1	B3, B5, B35, B14, B34	B3, B35	B3, B5, B35
Frame type	TEFC	TEFC	TEFC	TEFC	TEFC
Structure	3-phase asynch.	3-phase asynch.	3-phase asynch.	3-phase asynch.	3-phase asynch.



Performance sheet EMA3 type 1000 rpm

Model description: **EMA3** Standard: **IE3**
 Frequency: **50 Hz** Synchronous speed: **1000 rpm**

Type	Output (kW)	Current 380V(A)	Current 400V (A)	Speed (rpm)	Eff. (%)	P.F	Tst TN	1st IN	Tmax TN
EMA3-90S-6	0,75	2,00	1,90	945	78,9	0,71	2,0	6,0	2,1
EMA3-90L-6	1,10	2,80	2,66	950	81,0	0,73	2,0	6,0	2,1
EMA3-100L-6	1,50	3,80	3,61	950	82,5	0,73	2,0	6,5	2,1
EMA3-112M-6	2,20	5,40	5,13	965	84,3	0,74	2,0	66,0	2,1
EMA3-132S-6	3,00	7,20	6,84	975	85,6	0,74	2,0	6,8	2,1
EMA3-132M1-6	4,00	9,50	9,03	975	86,8	0,74	2,0	6,8	2,1
EMA3-132M2-6	5,50	12,7	12,07	975	88,0	0,75	2,0	7,0	2,1
EMA3-160M-6	7,50	16,2	15,39	980	89,1	0,79	2,0	7,0	2,1
EMA3-160L-6	11,0	23,1	21,95	980	90,3	0,8	2,0	7,2	2,1
EMA3-180L-6	15,0	30,9	29,36	980	91,2	0,81	2,0	7,3	2,1
EMA3-200L1-6	18,5	37,8	35,91	985	91,7	0,81	2,0	7,3	2,1
EMA3-200L2-6	22,0	44,8	42,56	985	92,2	0,81	2,0	7,4	2,1
EMA3-225M-6	30,0	59,1	56,15	985	92,9	0,83	2,0	6,9	2,1
EMA3-250M-6	37,0	71,7	68,12	985	93,3	0,84	2,0	7,1	2,0
EMA3-280S-6	45,0	85,8	81,51	990	93,7	0,85	2,0	7,3	2,0
EMA3-280M-6	55,0	103	97,85	990	94,1	0,86	2,0	7,3	2,0
EMA3-315S-6	75,0	143	135,85	990	94,6	0,84	2,0	6,6	2,0
EMA3-315M-6	90,0	170	161,50	990	94,9	0,85	2,0	6,7	2,0
EMA3-315L1-6	110	207	196,65	990	95,1	0,85	2,0	6,7	2,0
EMA3-315L2-6	132	244	231,80	990	95,4	0,86	2,0	6,8	2,0
EMA3-355M1-6	160	296	281,20	990	95,6	0,86	1,8	6,8	2,0
EMA3-355M2-6	200	365	346,75	990	95,8	0,87	1,8	6,8	2,0
EMA3-355L1-6	220	401	380,95	990	95,8	0,87	1,8	6,8	2,0
EMA3-355L2-6	250	456	433,20	990	95,8	0,86	1,8	6,8	2,0



Performance sheet EMA3 type 1500 rpm

Model description: **EMA3** Standard: **IE3**
Frequency: **50 Hz** Synchronous speed: **1500 rpm**

Type	Output (kW)	Current 380V(A)	Current 400V (A)	Speed (rpm)	Eff. (%)	P.F	Tst TN	1st IN	Tmax TN
EMA3-80M2-4	0,75	1,80	1,71	1430	82,5	0,75	2,3	6,6	2,3
EMA3-90S-4	1,10	2,60	2,47	1430	84,1	0,76	2,3	6,8	2,3
EMA3-90L-4	1,50	3,50	3,33	1430	85,3	0,77	2,3	7,0	2,3
EMA3-100L1-4	2,20	4,80	4,56	1440	86,7	0,81	2,3	7,6	2,3
EMA3-100L2-4	3,00	6,30	5,99	1440	87,7	0,82	2,3	7,6	2,3
EMA3-112M-4	4,00	8,40	7,98	1455	88,6	0,82	2,2	7,8	2,3
EMA3-132S-4	5,50	11,2	10,64	1465	89,6	0,83	2,0	7,9	2,3
EMA3-132M-4	7,50	15,0	14,25	1465	90,4	0,84	2,0	7,5	2,3
EMA3-160M-4	11,0	21,5	20,43	1470	91,4	0,85	2,2	7,7	2,3
EMA3-160L-4	15,0	28,8	27,36	1470	92,1	0,86	2,2	7,8	2,3
EMA3-180M-4	18,5	35,3	33,54	1470	92,6	0,86	2,0	7,8	2,3
EMA3-180L-4	22,0	41,8	39,71	1470	93,0	0,86	2,0	7,8	2,3
EMA3-200L-4	30,0	56,6	53,77	1475	93,6	0,86	2,0	7,3	2,3
EMA3-225S-4	37,0	69,6	66,12	1480	93,9	0,86	2,0	7,4	2,3
EMA3-225M-4	45,0	84,4	80,18	1480	94,2	0,86	2,0	7,4	2,3
EMA3-250M-4	55,0	103	97,85	1485	94,6	0,86	2,2	7,4	2,3
EMA3-280S-4	75,0	136	129,20	1490	95,0	0,88	2,0	6,9	2,3
EMA3-280M-4	90,0	163	154,85	1490	95,2	0,88	2,0	6,9	2,2
EMA3-315S-4	110	197	187,15	1490	95,4	0,89	2,0	7,0	2,2
EMA3-315M-4	132	236	224,20	1490	95,6	0,89	2,0	7,0	2,2
EMA3-315L1-4	160	285	270,75	1490	95,8	0,89	2,0	7,1	2,2
EMA3-315L2-4	200	352	334,40	1490	96,0	0,90	2,0	7,1	2,2
EMA3-355M1-4	220	387	367,65	1490	96,0	0,90	2,0	7,1	2,2
EMA3-355M2-4	250	440	418,00	1490	96,0	0,90	2,0	7,1	2,2
EMA3-355L1-4	280	492	467,40	1490	96,0	0,88	2,0	7,1	2,2
EMA3-355L2-4	315	554	526,30	1490	96,0	0,88	2,0	7,1	2,2



Performance sheet EMA3 type 3000 rpm

Model description: **EMA3** Standard: **IE3**
Frequency: **50 Hz** Synchronous speed: **3000 rpm**

Type	Output (kW)	Current 380V(A)	Current 400V (A)	Speed (rpm)	Eff. (%)	P.F	Tst TN	1st IN	Tmax TN
EMA3-80M1-2	0,75	1,70	1,62	2870	80,7	0,83	2,3	7,0	2,3
EMA3-80M2-2	1,10	2,40	2,28	2875	82,7	0,83	2,2	7,3	2,3
EMA3-90S-2	1,50	3,20	3,04	2880	84,2	0,84	2,2	7,6	2,3
EMA3-90L-2	2,20	4,60	4,37	2880	85,9	0,85	2,2	7,6	2,3
EMA3-100L-2	3,00	6,00	5,70	2880	87,1	0,87	2,2	7,8	2,3
EMA3-112M-2	4,00	7,80	7,41	2915	88,1	0,88	2,2	8,3	2,3
EMA3-132S1-2	5,50	10,6	10,07	2930	89,2	0,88	2,0	8,3	2,3
EMA3-132S2-2	7,50	14,4	13,68	2930	90,1	0,88	2,0	7,9	2,3
EMA3-160M1-2	11,0	20,6	19,57	2945	91,2	0,89	2,0	8,1	2,3
EMA3-160M2-2	15,0	27,9	26,51	2945	91,9	0,89	2,0	8,1	2,3
EMA3-160L-2	18,5	34,2	32,49	2945	92,4	0,89	2,0	8,2	2,3
EMA3-180M-2	22,0	40,5	38,48	2950	92,7	0,89	2,0	8,2	2,3
EMA3-200L1-2	30,0	54,9	52,16	2965	93,3	0,89	2,0	7,6	2,3
EMA3-200L2-2	37,0	67,4	64,03	2965	93,7	0,89	2,0	7,6	2,3
EMA3-225M-2	45,0	80,8	76,76	2965	94,0	0,90	2,0	7,7	2,3
EMA3-250M-2	55,0	98,5	93,58	2975	94,3	0,90	2,0	7,7	2,3
EMA3-280S-2	75,0	134	127,30	2975	94,7	0,90	1,8	7,1	2,3
EMA3-280M-2	90,0	160	152,00	2975	95,0	0,90	1,8	7,1	2,3
EMA3-315S-2	110	195	185,25	2985	95,2	0,90	1,8	7,1	2,3
EMA3-315M-2	132	234	222,30	2985	95,4	0,90	1,8	7,1	2,3
EMA3-315L1-2	160	279	265,05	2985	95,6	0,91	1,8	7,2	2,3
EMA3-315L2-2	200	349	331,55	2985	95,8	0,91	1,8	7,2	2,2
EMA3-355M1-2	220	383	363,85	2985	95,8	0,91	1,6	7,2	2,2
EMA3-355M2-2	250	436	414,20	2985	95,8	0,91	1,6	7,2	2,2
EMA3-355L1-2	280	488	463,60	2985	95,8	0,91	1,6	7,2	2,2
EMA3-355L2-2	315	549	521,55	2985	95,8	0,91	1,6	7,2	2,2



Performance sheet EMA4 type 1000 rpm

Model description: **EMA4** Standard: **IE4**
Frequency: **50 Hz** Synchronous speed: **1000 rpm**

Type	Output (kW)	Current 380V(A)	Current 400V (A)	Speed (rpm)	Eff. (%)	P.F	Tst TN	1st IN	Tmax TN
EMA4-90S-6	0,75	1,97	1,87	910	82,7	0,70	2,1	7,5	2,1
EMA4-90L-6	1,10	2,82	2,68	910	84,5	0,70	2,1	7,5	2,1
EMA4-100L-6	1,50	3,74	3,55	940	85,0	0,71	2,1	7,5	2,1
EMA4-112M-6	2,20	5,39	5,12	940	87,4	0,71	2,1	7,5	2,1
EMA4-132S-6	3,00	7,25	6,89	960	88,6	0,71	2,0	7,5	2,1
EMA4-132M1-6	4,00	9,43	8,96	960	89,5	0,72	2,0	8,0	2,1
EMA4-132M2-6	5,50	12,82	12,18	970	90,5	0,72	2,0	8,0	2,1
EMA4-160M-6	7,50	16,42	15,60	970	91,4	0,76	2,0	8,0	2,1
EMA4-160L-6	11,0	23,52	22,34	970	92,3	0,77	2,0	8,5	2,1
EMA4-180L-6	15,0	30,67	29,14	970	92,9	0,80	2,0	8,5	2,1
EMA4-200L1-6	18,5	37,62	35,74	970	93,4	0,80	2,0	8,5	2,1
EMA4-200L2-6	22,0	44,04	41,84	970	93,7	0,81	2,0	8,5	2,1
EMA4-225M-6	30,0	59,01	56,06	980	94,2	0,82	2,0	8,5	2,1
EMA4-250M-6	37,0	71,67	68,09	980	94,5	0,83	2,0	8,5	2,1



Performance sheet EMA4 type 1500 rpm

Model description: **EMA4** Standard: **IE4**
 Frequency: **50 Hz** Synchronous speed: **1500 rpm**

Type	Output (kW)	Current 380V(A)	Current 400V (A)	Speed (rpm)	Eff. (%)	P.F	Tst TN	1st IN	Tmax TN
EMA4-80M2-4	0,75	1,80	1,71	1390	87,2	0,74	2,3	8,5	2,3
EMA4-90S-4	1,10	2,56	2,43	1400	87,2	0,75	2,3	8,5	2,3
EMA4-90L-4	1,50	3,40	3,23	1400	88,2	0,76	2,3	9,0	2,3
EMA4-100L1-4	2,20	4,73	4,49	1430	89,5	0,79	2,3	9,0	2,3
EMA4-100L2-4	3,00	6,30	5,99	1430	90,4	0,80	2,3	9,5	2,3
EMA4-112M-4	4,00	8,34	7,92	1440	91,1	0,80	2,3	9,5	2,3
EMA4-132S-4	5,50	11,37	10,80	1440	91,9	0,80	2,3	9,5	2,3
EMA4-132M-4	7,50	15,19	14,43	1440	92,6	0,81	2,0	9,5	2,3
EMA4-160M-4	11,0	21,58	20,50	1460	93,3	0,83	2,0	9,5	2,3
EMA4-160L-4	15,0	28,59	27,16	1460	93,9	0,84	2,0	9,5	2,3
EMA4-180M-4	18,5	35,11	33,35	1470	94,2	0,85	2,0	9,5	2,3
EMA4-180L-4	22,0	41,51	39,43	1470	94,5	0,85	2,0	9,5	2,3
EMA4-200L-4	30,0	56,51	53,68	1470	94,9	0,85	2,0	9,0	2,3
EMA4-225S-4	37,0	69,47	66,00	1480	95,2	0,85	2,0	9,0	2,3
EMA4-225M-4	45,0	83,67	79,49	1480	95,7	0,86	2,0	9,0	2,3
EMA4-250M-4	55,0	101,54	96,46	1480	96,0	0,86	2,0	9,0	2,3
EMA4-280S-4	75,0	136,44	129,62	1480	96,0	0,87	2,0	8,5	2,3
EMA4-280M-4	90,0	161,70	153,62	1490	96,1	0,88	2,0	8,5	2,3
EMA4-315S-4	110	195,00	185,25	1490	96,3	0,88	1,8	8,5	2,2
EMA4-315M-4	132	233,76	222,07	1490	96,4	0,88	1,8	8,5	2,2
EMA4-315L1-4	160	279,62	265,64	1490	96,6	0,90	1,8	8,5	2,2
EMA4-315L2-4	200	349,16	331,70	1490	96,7	0,90	1,8	8,5	2,2
EMA4-355M-4	250	436,46	414,64	1485	96,7	0,90	1,8	8,5	2,2
EMA4-355L-4	315	549,93	522,43	1485	96,7	0,90	1,8	8,5	2,2
EMA4-355 1-4	355	633,85	602,16	1485	96,7	0,88	0,9	8,5	1,8
EMA4-355 2-4	400	714,20	678,49	1485	96,7	0,88	0,9	8,5	1,8
EMA4-355-3-4	450	803,47	763,30	1485	96,7	0,88	0,8	8,5	1,8



Performance sheet EMA4 type 3000 rpm

Model description: **EMA4** Standard: **IE4**
Frequency: **50 Hz** Synchronous speed: **3000 rpm**

Type	Output (kW)	Current 380V(A)	Current 400V (A)	Speed (rpm)	Eff. (%)	P.F	Tst TN	1st IN	Tmax TN
EMA4-80M1-2	0,75	1,64	1,56	2830	83,5	0,83	2,2	8,5	2,3
EMA4-80M2-2	1,10	2,36	2,24	2830	85,2	0,83	2,2	8,5	2,3
EMA4-90S-2	1,50	3,10	2,95	2840	86,5	0,85	2,2	9,0	2,3
EMA4-90L-2	2,20	4,42	4,20	2840	88,0	0,86	2,2	9,0	2,3
EMA4-100L-2	3,00	5,88	5,59	2870	89,1	0,87	2,2	9,5	2,3
EMA4-112M-2	4,00	7,67	7,29	2890	90,0	0,88	2,2	9,5	2,3
EMA4-132S1-2	5,50	10,45	9,93	2900	90,9	0,88	2,0	9,5	2,3
EMA4-132S2-2	7,50	13,96	13,26	2900	91,7	0,89	2,0	9,5	2,3
EMA4-160M1-2	11,0	20,28	19,27	2930	92,6	0,89	2,0	9,5	2,3
EMA4-160M2-2	15,0	27,45	26,08	2930	93,3	0,89	2,0	9,5	2,3
EMA4-160L-2	18,5	33,71	32,02	2930	93,7	0,89	2,0	9,5	2,3
EMA4-180M-2	22,0	39,96	37,96	2940	94,0	0,89	2,0	9,5	2,3
EMA4-200L1-2	30,0	54,20	51,49	2950	94,5	0,89	2,0	9,0	2,3
EMA4-200L2-2	37,0	66,63	63,30	2950	94,8	0,89	2,0	9,0	2,3
EMA4-225M-2	45,0	80,87	76,83	2970	95,0	0,89	2,0	9,0	2,3
EMA4-250M-2	55,0	98,53	93,60	2970	95,3	0,89	2,0	9,0	2,3
EMA4-280S-2	75,0	133,93	127,23	2970	95,6	0,89	2,0	9,0	2,3
EMA4-280M-2	90,0	160,38	152,36	2970	95,8	0,89	1,8	8,5	2,3
EMA4-315S-2	110	195,61	185,83	2970	96,0	0,89	1,8	8,5	2,3
EMA4-315M-2	132	234,25	222,54	2980	96,2	0,89	1,8	8,5	2,3
EMA4-315L1-2	160	283,64	269,46	2980	96,3	0,89	1,8	8,5	2,2
EMA4-315L2-2	200	353,82	336,13	2980	96,5	0,89	1,8	8,5	2,2
EMA4-355M-2	250	432,55	410,92	2980	96,5	0,91	1,6	8,5	2,2
EMA4-355L-2	315	545,02	517,77	2980	96,5	0,91	1,6	8,5	2,2
EMA4-355 1-2	355	621,05	590,00	2980	96,5	0,90	0,9	8,6	1,8
EMA4-3552-2	400	699,78	664,79	2980	96,5	0,90	0,9	8,6	1,8
EMA4-3553-2	450	787,25	747,89	2980	96,5	0,90	0,8	8,6	1,8

Aluminum Low-Voltage Motors

The EMAAH series three-phase asynchronous motors are a line of electric motors featuring a lightweight aluminum housing.

They are manufactured using high-quality materials and are built to the latest designs, conforming to the IEC standard. These motors are known for their strong performance, safety, and reliability.

Their simple construction, combined with their aesthetic design and convenient maintenance, makes them an excellent choice for a wide range of applications. They also operate with minimal noise and vibration, and their lightweight nature further enhances their versatility for general-purpose use

Performance sheet EMAAH type 750 rpm

Model description: **EMAAH** Standard: **IEC**
Frequency: **50 Hz** Synchronous speed: **750 rpm**

Type	Output (kW)	Current 380V(A)	Current 400V (A)	Speed (rpm)	Eff. (%)	P.F	Tst TN	Tmax TN
EMAAH80M1-8	0.18	0.85	0.85	680	0.61	52.0	1.8	4.0
EMAAH80M2-8	0.25	1.15	1.15	640	0.61	54.0	1.8	4.0
EMAAH90S-8	0.37	1.49	1.49	660	0.61	62.0	1.8	4.0
EMAAH90L-8	0.55	2.17	2.17	680	0.67	66.0	1.8	4.0
EMAAH100L-8	0.75	2.17	2.17	690	0.67	71.0	1.8	4.0
EMAAH100L2-8	1.1	2.39	2.39	690	0.69	73.0	1.8	5.0
EMAAH112M-8	1.5	4.50	4.50	695	0.69	75.0	1.8	5.0
EMAAH132S-8	2.2	5.50	5.50	710	0.71	79.0	1.8	6.0
EMAAH132M-8	3.0	7.90	7.90	710	0.73	79.0	1.8	6.0
EMAAH160M1-8	4.0	10.1	10.1	720	0.73	81.0	1.8	6.0
EMAAH160M2-8	5.5	13.6	13.6	720	0.75	83.0	2.0	6.0
EMAAH160L-8	7.5	17.8	17.8	720	0.75	85.5	2.0	6.0



Performance sheet EMAAH type 1000 rpm

Model description: EMAAH Standard: IEC
Frequency: 50 Hz Synchronous speed: 1000 rpm

Type	Output (kW)	Current 380V(A)	Current 400V (A)	Speed (rpm)	Eff. (%)	P.F	Tst TN	Tmax TN
EMAAH71M1-6	0.18	0.74	0.74	890	0.68	56.0	2.0	5.5
EMAAH71M2-6	0.25	0.95	0.95	890	0.68	59.0	2.0	5.5
EMAAH80M1-6	0.37	1.30	1.30	895	0.70	62.0	2.0	5.5
EMAAH80M2-6	0.55	1.79	1.79	895	0.71	65.0	2.0	5.5
EMAAH90S-6	0.75	2.29	2.29	915	0.72	66.9	2.1	5.5
EMAAH90L-6	1.1	3.16	3.16	915	0.73	78.1	2.1	5.5
EMAAH100L-6	1.5	3.96	3.96	945	0.75	79.9	2.1	5.5
EMAAH112M-6	2.2	5.60	5.60	965	0.76	82.1	2.2	5.5
EMAAH132S-6	3.0	7.40	7.40	965	0.76	83.3	2.2	6.5
EMAAH132M-6	4.0	8.80	8.80	965	0.76	84.6	2.2	6.5
EMAAH132M2-6	5.5	12.1	12.1	965	0.77	86.0	2.2	6.5
EMAAH160M-6	7.5	17.0	17.0	975	0.77	87.2	2.2	6.5
EMAAH160L-6	11	24.2	24.2	975	0.78	88.7	2.2	6.5

Performance sheet EMAAH type 1500 rpm

Model description: EMAAH Standard: IEC
Frequency: 50 Hz Synchronous speed: 1500 rpm

Type	Output (kW)	Current 380V(A)	Current 400V (A)	Speed (rpm)	Eff. (%)	P.F	Tst TN	Tmax TN
EMAAH60M1-4	0.06	0.25	0.25	1300	0.69	50.0	2.2	5.5
EMAAH60M2-4	0.09	0.35	0.35	1300	0.71	51.0	2.2	5.5
EMAAH63M1-4	0.12	0.42	0.42	1310	0.72	57.0	2.2	5.5
EMAAH63M2-4	0.18	0.62	0.62	1310	0.73	59.0	2.2	5.5
EMAAH71M1-4	0.25	0.72	0.72	1330	0.75	65.0	2.2	5.5
EMAAH71M2-4	0.37	1.12	1.12	1330	0.75	67.0	2.2	5.5
EMAAH80M1-4	0.55	1.57	1.57	1395	0.79	71.0	2.3	6.0
EMAAH80M2-4	0.75	2.03	2.03	1395	0.79	73.0	2.3	6.0
EMAAH90S-4	1.1	2.70	2.70	1405	0.79	81.0	2.3	6.0
EMAAH90L-4	1.5	3.70	3.70	1405	0.79	82.8	2.3	6.0
EMAAH100L-4	2.2	5.30	5.30	1435	0.81	84.1	2.3	7.0
EMAAH112M-4	3.0	6.78	6.78	1435	0.82	85.6	2.3	7.0
EMAAH112M-4	4.0	8.80	8.80	1445	0.82	86.6	2.3	7.0



Model description: **EMAAH** Standard: **IEC**
 Frequency: **50 Hz** Synchronous speed: **1500 rpm**

Type	Output (kW)	Current 380V(A)	Current 400V (A)	Speed (rpm)	Eff. (%)	P.F	Tst TN	Tmax TN
EMAAH132S-4	5.5	11.7	11.7	1445	0.83	87.7	2.3	7.0
EMAAH132M-4	7.5	15.6	15.6	1445	0.84	88.7	2.3	7.0
EMAAH160M1-4	11	22.3	22.3	1465	0.84	89.8	2.2	7.0
EMAAH160L-4	15	30.1	30.1	1465	0.85	90.6	2.2	7.0

Performance sheet EMAAH type 3000 rpm

Model description: **EMAAH** Standard: **IEC**
 Frequency: **50 Hz** Synchronous speed: **3000 rpm**

Type	Output (kW)	Current 380V(A)	Current 400V (A)	Speed (rpm)	Eff. (%)	P.F	Tst TN	Tmax TN
EMAAH60M1-2	0.08	0.29	0.29	2700	0.79	56.0	2.3	6.0
EMAAH60M2-2	0.12	0.33	0.33	2700	0.80	58.0	2.3	6.0
EMAAH63M1-2	0.18	0.53	0.53	2720	0.80	63.0	2.3	6.0
EMAAH63M2-2	0.25	0.69	0.69	2720	0.81	65.0	2.3	6.0
EMAAH71M1-2	0.37	0.99	0.99	2740	0.81	68.0	2.3	6.0
EMAAH71M2-2	0.55	1.10	1.10	2740	0.82	71.0	2.3	6.0
EMAAH80M1-2	0.75	1.83	1.83	2835	0.83	75.0	2.3	6.0
EMAAH80M2-2	1.1	2.55	2.55	2835	0.84	79.0	2.3	6.5
EMAAH90S-2	1.5	3.03	3.03	2845	0.84	81.3	2.3	6.5
EMAAH90L-2	2.2	4.85	4.85	2845	0.85	83.2	2.3	6.5
EMAAH100L-2	3.0	6.31	6.31	2875	0.87	84.6	2.3	7.0
EMAAH112M-2	4.0	8.10	8.10	2875	0.87	86.1	2.3	7.0
EMAAH132S-2	5.5	11.0	11.0	2905	0.88	87.0	2.3	7.0
EMAAH132S2-2	7.5	14.9	14.9	2905	0.88	88.1	2.3	7.0
EMAAH160M1-2	11	21.3	21.3	2930	0.89	89.0	2.3	7.0
EMAAH160M2-2	15	29.5	29.5	2930	0.89	90.0	2.3	7.0
EMAAH160L-2	18.5	34.7	34.7	2935	0.90	90.9	2.3	7.0

Explosion-Proof Low-Voltage Motors

We offer a range of high-quality low-voltage explosion-proof motors, engineered for safety and reliability in hazardous industrial and commercial settings. Our motors feature robust cast iron enclosures designed to contain internal explosions and prevent flames from escaping, crucial for environments with combustible gases or dust. They are Flameproof (Ex d) or Increased Safety (Ex e), offering superior protection in potentially explosive atmospheres.

Our asynchronous induction motors are designed for maximum safety and robust performance in challenging conditions. We ensure versatile integration with various installation options, including H63~355 (Foot-mounted) and IBM3, 5, 10 and 35 (Vertical flange-down). Our motors are available in a wide range of frame sizes, from D63 to D400, and include both 2-pole and 4-pole ratings, making them suitable for diverse applications in hazardous areas.

Contact us to discuss your specific needs and to learn more about the certified options and configurations available for your application. We offer a comprehensive range of low-voltage explosion-proof motor types; for the most common types, you can find detailed performance sheets on the next pages.

	EMAEX3/ EX4/EX5	EMAEXPT	EMAEXK 2	EMAEXJ2	EMAEXF2	EMAEXS 2
Model	EMAEX3/ EX4/EX5	EMAEXPT	EMAVF 80~400	EMAEXJ2	EMAEXF2	EMAEXS2
Mounting	H63~355	H63~355	H63~355	B3, B5	B3, B5, B35	B3, B5, B10
Frame type	TEFC	TEFC	TEFC	TEFC	TEFC	TEFC
Structure	3-phase asynch.	3-phase asynch.	3-phase asynch.	3-phase asynch.	3-phase asynch.	3-phase asynch.



Performance sheet EMAEX3 type 1000 rpm

Model description: **EMAEX3** Standard: **Ex**
Frequency: **50 Hz** Synchronous speed: **1000 rpm**

Type	Output (kW)	Current 380V(A)	Current 400V (A)	Speed (rpm)	Eff. (%)	P.F	Tst TN	1st IN	Tmax TN
EMAEX3-80M1-6	0,37	1,09	1,04	935	73,5	0,70	2,0	6,0	2,1
EMAEX3-80M2-6	0,55	1,50	1,43	935	77,2	0,72	2,0	6,0	2,1
EMAEX3-90S-6	0,75	2,03	1,93	950	78,9	0,71	2,0	6,0	2,1
EMAEX3-90L-6	1,10	2,83	2,69	950	81,0	0,73	2,0	6,0	2,1
EMAEX3-100L-6	1,50	3,78	3,59	955	82,5	0,73	2,0	6,5	2,1
EMAEX3-112M-6	2,20	5,36	5,09	960	84,3	0,74	2,0	6,6	2,1
EMAEX3-132S-6	3,00	7,20	6,84	965	85,6	0,74	2,0	6,8	2,1
EMAEX3-132M1-6	4,00	9,46	8,99	965	86,8	0,74	2,0	6,8	2,1
EMAEX3-132M2-6	5,50	12,7	12,0	970	88,0	0,75	2,0	7,0	2,1
EMAEX3-160M-6	7,50	16,2	15,4	975	89,1	0,79	2,0	7,0	2,1
EMAEX3-160L-6	11,0	23,1	22,0	975	90,3	0,80	2,0	7,2	2,1
EMAEX3-180L-6	15,0	30,9	29,3	980	91,2	0,81	2,0	7,3	2,1
EMAEX3-200L1-6	18,5	37,8	35,9	985	91,7	0,81	2,0	7,3	2,1
EMAEX3-200L2-6	22,0	44,8	42,5	985	92,2	0,81	2,0	7,4	2,1
EMAEX3-225M-6	30,0	59,1	56,2	985	92,9	0,83	2,0	6,9	2,1
EMAEX3-250M-6	37,0	71,7	68,1	985	93,3	0,84	2,0	7,1	2,1
EMAEX3-280S-6	45,0	85,8	81,6	990	93,7	0,85	2,0	7,3	2,0
EMAEX3-280M-6	55,0	103	98,1	990	94,1	0,86	2,0	7,3	2,0
EMAEX3-315S-6	75,0	143	136	990	94,6	0,84	2,0	6,6	2,0
EMAEX3-315M-6	90,0	170	161	990	94,9	0,85	2,0	6,7	2,0
EMAEX3-315L1-6	110	207	196	990	95,1	0,85	2,0	6,7	2,0
EMAEX3-315L2-6	132	244	232	990	95,4	0,86	2,0	6,8	2,0
EMAEX3-355M1-6	160	296	281	990	95,6	0,86	1,8	6,8	2,0
EMAEX3-355M-6	185	342	324	990	95,7	0,86	1,8	6,8	2,0
EMAEX3-355M2-6	200	365	346	990	95,8	0,87	1,8	6,8	2,0
EMAEX3-355L1-6	220	401	381	990	95,8	0,87	1,8	6,8	2,0
EMAEX3-355L-6	250	456	433	990	95,8	0,87	1,8	6,8	2,0
EMAEX3-355L1-6	280	516	491	990	95,8	0,86	1,8	6,8	2,0



Performance sheet EMAEX3 type 1500 rpm

Model description: **EMAEX3** Standard: **Ex**
Frequency: **50 Hz** Synchronous speed: **1500 rpm**

Type	Output (kW)	Current 380V(A)	Current 400V (A)	Speed (rpm)	Eff. (%)	P.F	Tst TN	1st IN	Tmax TN
EMAEX3-80M1-4	0,55	1,38	1,31	1430	80,8	0,75	2,3	6,1	2,3
EMAEX3-80M2-4	0,75	1,84	1,75	1430	82,5	0,75	2,3	6,6	2,3
EMAEX3-90S-4	1,10	2,61	2,48	1435	84,1	0,76	2,3	6,8	2,3
EMAEX3-90L-4	1,50	3,47	3,3	1435	85,3	0,77	2,3	7,0	2,3
EMAEX3-100L1-4	2,20	4,76	4,52	1450	86,7	0,81	2,3	7,6	2,3
EMAEX3-100L2-4	3,00	6,34	6,02	1440	87,7	0,82	2,3	7,6	2,3
EMAEX3-112M-4	4,00	8,37	7,95	1455	88,6	0,82	2,2	7,8	2,3
EMAEX3-132S-4	5,50	11,2	10,7	1460	89,6	0,83	2,0	7,9	2,3
EMAEX3-132M-4	7,50	15,0	14,3	1460	90,4	0,84	2,0	7,5	2,3
EMAEX3-160M-4	11,0	21,5	20,4	1465	91,4	0,85	2,2	7,7	2,3
EMAEX3-160L-4	15,0	28,8	27,3	1465	92,1	0,86	2,2	7,8	2,3
EMAEX3-180M-4	18,5	35,3	33,5	1470	92,6	0,86	2,0	7,8	2,3
EMAEX3-180L-4	22,0	41,8	39,7	1470	93,0	0,86	2,0	7,8	2,3
EMAEX3-200L-4	30,0	56,6	53,8	1475	93,6	0,86	2,0	7,3	2,3
EMAEX3-225S-4	37,0	69,6	66,1	1480	93,9	0,86	2,0	7,4	2,3
EMAEX3-225M-4	45,0	84,4	80,2	1480	94,2	0,86	2,0	7,4	2,3
EMAEX3-250M-4	55,0	103	97,6	1485	94,6	0,86	2,2	7,4	2,3
EMAEX3-280S-4	75,0	136	129	1485	95,0	0,88	2,0	6,9	2,3
EMAEX3-280M-4	90,0	163	155	1485	95,2	0,88	2,0	6,9	2,3
EMAEX3-315S-4	110	197	187	1485	95,4	0,89	2,0	7,0	2,2
EMAEX3-315M-4	132	236	224	1485	95,6	0,89	2,0	7,0	2,2
EMAEX3-315L1-4	160	285	271	1485	95,8	0,89	2,0	7,1	2,2
EMAEX3-315L-4	185	329	313	1485	95,0	0,89	2,0	7,1	2,2
EMAEX3-315L2-4	200	352	334	1485	96,0	0,90	2,0	7,1	2,2
EMAEX3-355M1-4	220	387	368	1490	96,0	0,90	2,0	7,1	2,2
EMAEX3-355M-4	250	440	418	1490	96,0	0,90	2,0	7,1	2,2
EMAEX3-355L1-4	280	492	468	1490	96,0	0,90	2,0	7,1	2,2
EMAEX3-355L-4	315	554	526	1490	96,0	0,90	2,0	7,1	2,2
EMAEX3-355L1-4	355	638	607	1490	96,0	0,88	1,7	7,0	2,2



Performance sheet EMAEX3 type 3000 rpm

Model description: **EMAEX3** Standard: **Ex**
Frequency: **50 Hz** Synchronous speed: **3000 rpm**

Type	Output (kW)	Current 380V(A)	Current 400V (A)	Speed (rpm)	Eff. (%)	P.F	Tst TN	1st IN	Tmax TN
EMAEX3-80M1-2	0,75	1,72	1,64	2880	82,0	0,82	2,3	7,0	2,3
EMAEX3-80M2-2	1,10	2,43	2,31	2890	82,7	0,83	2,2	7,3	2,3
EMAEX3-90S-2	1,50	3,22	3,06	2895	84,2	0,84	2,2	7,6	2,3
EMAEX3-90L-2	2,20	4,58	4,35	2895	85,9	0,85	2,2	7,6	2,3
EMAEX3-100L-2	3,00	6,02	5,71	2895	87,1	0,87	2,2	7,8	2,3
EMAEX3-112M-2	4,00	7,84	7,45	2910	88,1	0,88	2,2	8,3	2,3
EMAEX3-132S1-2	5,50	10,6	10,1	2920	89,2	0,88	2,0	8,3	2,3
EMAEX3-132S2-2	7,50	14,4	13,7	2930	90,1	0,88	2,0	7,9	2,3
EMAEX3-160M1-2	11,0	20,6	19,6	2940	91,2	0,89	2,0	8,1	2,3
EMAEX3-160M2-2	15,0	27,9	26,5	2940	91,9	0,89	2,0	8,1	2,3
EMAEX3-160L-2	18,5	34,2	32,5	2945	92,4	0,89	2,0	8,2	2,3
EMAEX3-180M-2	22,0	40,5	38,5	2955	92,7	0,89	2,0	8,2	2,3
EMAEX3-200L1-2	30,0	51,9	52,1	2965	93,3	0,89	2,0	7,6	2,3
EMAEX3-200L2-2	37,0	67,4	64	2965	93,7	0,89	2,0	7,6	2,3
EMAEX3-225M-2	45,0	80,8	76,8	2970	94,0	0,90	2,0	7,7	2,3
EMAEX3-250M-2	55,0	98,5	93,5	2975	94,3	0,90	2,0	7,7	2,3
EMAEX3-280S-2	75,0	134	127	2980	94,7	0,90	1,8	7,1	2,3
EMAEX3-280M-2	90,0	160	152	2980	95,0	0,90	1,8	7,1	2,3
EMAEX3-315S-2	110	195	185	2980	95,2	0,90	1,8	7,1	2,3
EMAEX3-315M-2	132	234	222	2980	95,4	0,90	1,8	7,1	2,3
EMAEX3-315L1-2	160	279	265	2980	95,6	0,91	1,8	7,2	2,3
EMAEX3-315L2-2	185	323	307	2980	95,7	0,91	1,8	7,2	2,3
EMAEX3-315L2-2	200	349	331	2985	95,8	0,91	1,8	7,2	2,2
EMAEX3-355M1-2	220	393	364	2985	95,8	0,91	1,8	7,2	2,2
EMAEX3-355M-2	250	436	414	2985	95,8	0,91	1,6	7,2	2,2
EMAEX3-355L1-2	280	488	464	2985	95,8	0,91	1,6	7,2	2,2
EMAEX3-355L-2	315	549	522	2985	95,8	0,91	1,6	7,9	2,1
EMAEX3-3551-2	355	619	588	2985	95,8	0,91	1,6	7,2	2,2

Other products

Besides our popular electric motor types, we offer a whole host of different motor types for more specialized solutions.

The rest of our electric motor range

General-Purpose High-Voltage Motors

Models: EMA ODP // EMA2 – TEFC, // EMA2VF – TEFC // EMAKK CACA // EMAVFKK CACA // EMAKS

Installation: B3

Frame Type: Open Drip-Proof // Totally Enclosed Fan Cooled // Closed Air Cooling // Closed Air-to-Water Cooling

Structure: Three-phase asynchronous motors

Our reliable and efficient series of general-purpose three-phase asynchronous motors offers reliable and efficient power solutions for a variety of applications. Ideal for driving: ventilation systems/fans, fluid transfer systems, compressors, conveyor belts and other general-purpose machinery



Explosion-Proof High-Voltage Motors

Model: EMAEX2 // EMAEX3 // EMAEX4 // EMAEX5

Installation: B3, other options available

Frame Type: Totally Enclosed Fan Cooled

Structure: Three-phase asynchronous motors

This series of versatile three-phase asynchronous motors can power a wide range of general-purpose machinery and equipment. Constructed with high-quality steel, the motor's optimized structural design ensures rigidity and durability to meet demanding operational requirements



Compressor Motors

Model: EMACo2AC // ENACo5AC // EMACo

Installation: B3 // B35

Frame Type: Totally Enclosed Fan Cooled // Open Drip-Proof

Structure: Three-phase asynchronous motors

Designed for versatility and efficiency, our series of three-phase asynchronous motors is suitable for a wide range of general-purpose applications. The motors feature a high-quality steel construction, optimized for structural rigidity and strength. This ensures reliable performance, low vibration, and minimal noise, while reducing energy consumption.



Options & accessories

Variable-Frequency Drive

Model: EMA VFD

Installation: B3

Frame Type: N/A

Structure: N/A

Unlock optimal control and energy savings for your motor applications with our advanced Variable Frequency Drives (VFDs). Our VFDs provide precise speed and torque control, allowing you to fine-tune your operations for maximum efficiency and reduced energy consumption.

Key Features:

Energy Efficiency: Significantly reduce power consumption by matching motor speed to application demand.

Enhanced Process Control: Achieve precise speed and torque control for improved system performance and product quality.

Extended Equipment Lifespan: Minimize mechanical stress and wear on motors and driven equipment through soft starts and stops.

Fault Protection: Built-in protective features safeguard your motor and drive from overcurrent, overvoltage, and other electrical anomalies.

User-Friendly Interface: Intuitive programming and monitoring for easy setup and operation.

Ideal for a wide range of industrial and commercial applications, our VFDs are engineered for reliability and performance, helping you achieve greater operational efficiency and cost savings.



Other services

After sales



Our comprehensive after-sales service ensures optimal performance and longevity of your electric motors. We offer a range of services including installation, commissioning, maintenance, and repair. Our skilled technicians provide timely and efficient support, minimizing downtime and maximizing productivity. Additionally, we offer spare parts and technical assistance to keep your operations running smoothly.

Energy Efficiency Consulting

Unsure what type of electric motor suits your challenges? We provide expert advice on selecting the most energy-efficient motor for specific applications, helping you reduce operating costs and minimize environmental impact. Reach out today to see how we can help you!



Need help picking the right product from our range of electric motors? Contact us today to receive free consultation.

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ELECTRIC MOTORS AMSTERDAM B.V.

CoC no: 94353409

VAT no: NL866745725B01

E-mail: info@emanetherlands.nl

Web: emanetherlands.nl

Tel: +31 (0) 617 599 765



www.emanetherlands.nl

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