

 **LAFERTMOTORS**

# AMC 56-132

2006



**Asynchronous three-phase motors**  
ALUMINIUM FRAME

**Drehstrom-Asynchronmotoren**  
ALUMINIUMGEHAUSE

**Motori asincroni trifase**  
CARCASSA IN ALLUMINIO

**Motores asíncronos trifásicos**  
CARCASA ALUMINIO

**Moteurs triphasés asynchrones**  
CARCASSE ALUMINIUM

 **LAFERTGROUP**

## **Asynchronous three-phase motors - Single-speed**

Three-phase squirrel-cage motors, designed for range of rated voltage 380-420 V  $\pm$  5% - 50 Hz.

For mains voltage according to IEC 60038 – 400 V  $\pm$  10% - 50 Hz.

Standard motors TEFC, thermal class F (temperature rise to class B).

Dimensions to IEC standards.

## **Drehstrom-Asynchronmotoren - Eintourig**

Drehstrommotoren mit Käfigläufer, ausgelegt für Bemessungsspannungsbereich 380-420 V  $\pm$  5% - 50 Hz.

Für Netzspannung nach IEC 60038 - 400 V  $\pm$  10% - 50 Hz.

Oberflächengekühlte Normmotoren, Wärmeklasse F (Erwärmung nach B).

IEC Anbaumaße.

## **Motori asincroni trifase - Singola velocità**

Motori trifase con rotore a gabbia di scoiattolo, per range di tensione nominale 380-420 V  $\pm$  5% - 50 Hz.

Per tensione di rete in conformità alla IEC 60038 - 400 V  $\pm$  10% - 50 Hz.

Motori standard chiusi autoventilati.

Classe d'isolamento F (sovratemperatura in classe B).

Dimensioni in accordo con gli standard IEC.

## **Motores asíncronos trifásicos - Una velocidad**

Motores trifásicos con rotor de jaula, para gama de tensión asignada 380-420 V  $\pm$  5% - 50 Hz.

Para tensión de red según IEC 60038 - 400 V  $\pm$  10% - 50 Hz.

Motores normalizados refrigerados por la superficie, clase térmica F (calentamiento según clase B).

Dimensiones según IEC.

## **Moteurs triphasés asynchrones - Mono-vitesse**

Moteurs triphasés, à cage d'écureuil, conçus pour la plage de tension nominale 380-420 V  $\pm$  5% - 50 Hz.

Pour une tension de réseau selon IEC 60038 - 400 V  $\pm$  10% - 50 Hz.

Moteurs standards fermés ventilés, isolation classe F (échauffement classe B).

Dimensions selon standards IEC.


**380-420 V ± 5% - 50 Hz**
**400 V ± 10% - 50 Hz**

Type		kW	HP	min <sup>-1</sup>	$\eta$ 100%	$\cos \varphi$	$I_N$ 400V	$I_A/I_N$	$M_A/M_N$	$M_R/M_N$	$J$ 10 <sup>3</sup> kgm <sup>2</sup>	kg
<b>3000 min<sup>-1</sup> (2 poles)</b>												
AMC 56Z AA	2	0.09	0.12	2670	57.0	0.65	0.35	6.0	2.2	2.4	0.10	2.8
AMC 56Z BA	2	0.12	0.16	2800	62.0	0.69	0.40	6.0	2.2	2.4	0.10	3.2
AMC 63Z AA	2	0.18	0.25	2710	63.0	0.75	0.55	6.0	2.2	2.4	0.24	4.0
AMC 63Z BA	2	0.25	0.33	2710	65.0	0.78	0.71	6.0	2.2	2.4	0.24	4.4
AMC 71Z AA	2	0.37	0.50	2730	70.0	0.79	0.97	6.0	2.2	2.4	0.35	5.6
AMC 71Z BA	2	0.55	0.75	2760	71.0	0.79	1.42	6.0	2.2	2.4	0.52	6.1
AMC 80Z AA	2	0.75	1.0	2770	73.0	0.84	1.77	6.0	2.2	2.4	1.22	9.1
AMC 80Z BA	2	1.1	1.5	2770	76.2	0.83	2.51	6.0	2.2	2.4	1.7	10.2
AMC 90S AA	2	1.5	2.0	2840	78.5	0.84	3.28	6.0	2.2	2.4	1.2	12.0
AMC 90L CA	2	2.2	3.0	2840	81.0	0.85	4.61	6.0	2.2	2.4	1.9	15.0
AMC 100L AA	2	3.0	4.0	2840	82.6	0.87	6.03	7.0	2.2	2.3	3.2	22.3
AMC 112M AA	2	4.0	5.5	2880	84.2	0.87	7.9	7.5	2.2	2.3	4.9	26.7
AMC 132S YA	2	5.5	7.5	2900	85.7	0.88	10.5	7.5	2.0	2.2	9.0	38.5
AMC 132S ZA	2	7.5	10.5	2920	87.0	0.88	14.1	7.5	2.0	2.2	11.3	42.2
<b>1500 min<sup>-1</sup> (4 poles)</b>												
AMC 56Z BA	4	0.09	0.12	1320	50.0	0.61	0.43	6.0	2.3	2.4	0.16	3.3
AMC 63Z AA	4	0.12	0.16	1350	57.0	0.64	0.47	6.0	2.2	2.4	0.24	3.9
AMC 63Z BA	4	0.18	0.25	1350	59.0	0.65	0.68	6.0	2.2	2.4	0.29	4.3
AMC 71Z AA	4	0.25	0.33	1350	60.0	0.72	0.84	6.0	2.2	2.4	0.35	5.4
AMC 71Z BA	4	0.37	0.50	1370	65.0	0.74	1.11	6.0	2.2	2.4	0.52	6.2
AMC 80Z AA	4	0.55	0.75	1370	67.0	0.75	1.58	6.0	2.2	2.4	1.22	9.0
AMC 80Z BA	4	0.75	1.0	1380	72.0	0.78	1.93	6.0	2.2	2.4	1.70	10.0
AMC 90S AA	4	1.1	1.5	1400	76.2	0.79	2.64	6.0	2.2	2.4	2.20	12.1
AMC 90L BA	4	1.5	2.0	1400	78.5	0.80	3.45	6.0	2.2	2.4	2.80	14.6
AMC 100L AA	4	2.2	3.0	1420	81.0	0.81	4.8	7.0	2.2	2.3	5.00	21.0
AMC 100L BA	4	3.0	4.0	1420	82.6	0.81	6.5	7.0	2.2	2.3	6.00	24.7
AMC 112M AA	4	4.0	5.5	1430	84.2	0.83	8.3	7.0	2.2	2.2	9.0	30.5
AMC 132S ZA	4	5.5	7.5	1450	85.7	0.84	11.0	7.0	2.2	2.2	21.0	40.4
AMC 132M ZA	4	7.5	10.0	1450	87.0	0.85	14.6	7.0	2.2	2.2	28.0	49.6

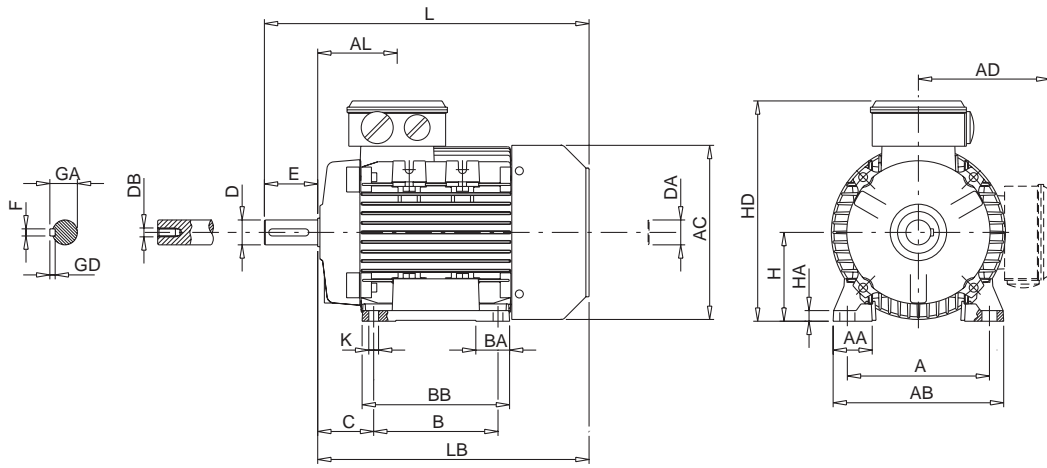


**380-420 V ± 5% - 50 Hz**

**400 V ± 10% - 50 Hz**

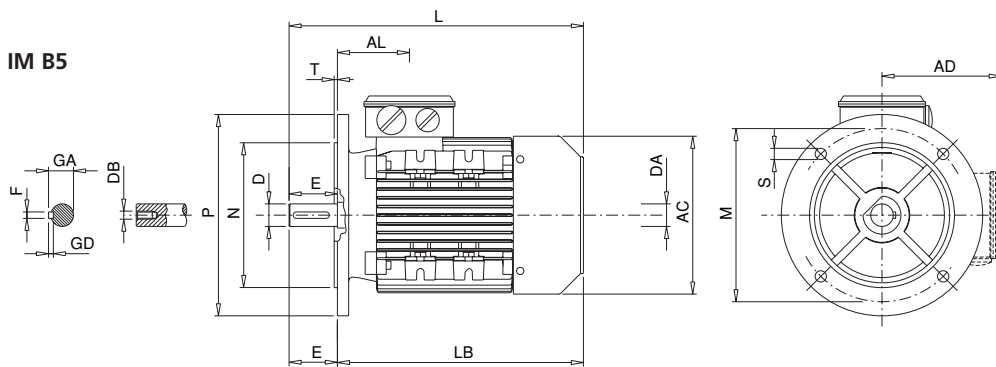
Type		kW	HP	min <sup>-1</sup>	$\eta$ 100%	cos $\varphi$	$I_N$ 400V	$I_R/I_N$	$M_R/M_N$	$M_K/M_N$	$J$ 10 <sup>3</sup> kgm <sup>2</sup>	kg
<b>1000 min<sup>-1</sup> (6 poles)</b>												
<b>AMC 63 AA</b>	<b>6</b>	0.09	0.12	840	42.0	0.61	0.51	3.5	2.0	2.0	0.04	4.2
<b>AMC 63 BA</b>	<b>6</b>	0.12	0.16	850	45.0	0.62	0.62	3.5	2.0	2.0	0.05	4.8
<b>AMC 71Z AA</b>	<b>6</b>	0.18	0.25	880	56.0	0.66	0.70	4.0	1.6	1.7	0.11	6.0
<b>AMC 71Z BA</b>	<b>6</b>	0.25	0.33	900	59.0	0.70	0.87	4.0	2.1	2.2	0.13	6.5
<b>AMC 71Z CA</b>	<b>6</b>	0.37	0.50	890	61.0	0.69	1.27	4.0	2.0	2.1	0.15	7.2
<b>AMC 80Z AA</b>	<b>6</b>	0.37	0.50	900	62.0	0.70	1.23	4.0	1.9	1.9	0.16	8.2
<b>AMC 80Z BA</b>	<b>6</b>	0.55	0.75	900	67.0	0.72	1.65	4.0	2.0	2.3	2.56	9.9
<b>AMC 90S AA</b>	<b>6</b>	0.75	1.0	920	69.0	0.72	2.18	5.5	2.2	2.2	3.54	11.7
<b>AMC 90L BA</b>	<b>6</b>	1.1	1.5	925	72.0	0.73	3.0	5.5	2.2	2.2	5.1	15.1
<b>AMC 100L AA</b>	<b>6</b>	1.5	2.0	945	74.0	0.76	3.9	6.0	2.2	2.2	7.9	19.1
<b>AMC 112M AA</b>	<b>6</b>	2.2	3.0	955	78.0	0.76	5.4	6.0	2.2	2.2	14.0	25.4
<b>AMC 132S ZA</b>	<b>6</b>	3.0	4.0	960	79.0	0.76	7.2	6.5	2.0	2.0	23.0	36.1
<b>AMC 132M YA</b>	<b>6</b>	4.0	5.5	960	80.5	0.76	9.4	6.5	2.0	2.0	31.0	45.0
<b>AMC 132M ZA</b>	<b>6</b>	5.5	7.5	960	83.0	0.77	12.4	6.5	2.0	2.0	41.0	55.5
<b>750 min<sup>-1</sup> (8 poles)</b>												
<b>AMC 71Z AA</b>	<b>8</b>	0.12	0.16	690	51	0.59	0.58	2.7	1.6	1.7	1.19	6.8
<b>AM 80Z AA</b>	<b>8</b>	0.25	0.33	680	56	0.61	1.06	2.7	1.6	2.0	2.9	10.9
<b>AM 90S AA</b>	<b>8</b>	0.37	0.50	680	63	0.63	1.35	2.8	1.6	1.8	4.9	14.8
<b>AM 90L BA</b>	<b>8</b>	0.55	0.75	680	66	0.65	1.85	3.0	1.6	1.8	5.7	17.2
<b>AM 100L AA</b>	<b>8</b>	0.75	1.0	710	66	0.65	2.45	3.5	1.7	2.1	7.5	17.5
<b>AM 100L BA</b>	<b>8</b>	1.1	1.5	710	72	0.67	3.2	3.5	1.7	2.1	8.4	19.7
<b>AM 112M AA</b>	<b>8</b>	1.5	2.0	710	74	0.68	4.3	4.2	1.8	2.1	15.0	25.6
<b>AM 132S ZA</b>	<b>8</b>	2.2	3.0	720	75	0.71	6.0	5.5	2.0	2.0	22.0	35.5
<b>AM 132M ZA</b>	<b>8</b>	3.0	4.0	720	77	0.73	7.7	5.5	2.0	2.0	31.0	45.0

IM B3

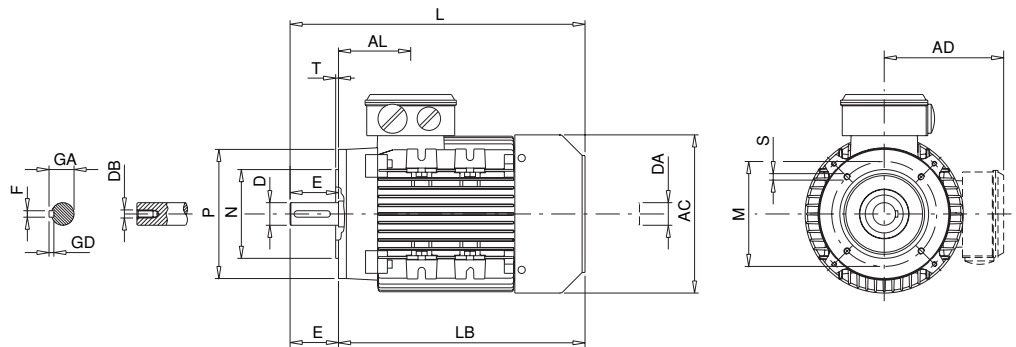


IEC DIN	H h	A b	B a	C w <sub>1</sub>	K <sup>1)</sup> s	AB f	BB e	AD <sup>2)</sup> g <sub>1</sub>	HD <sup>2)</sup> m <sub>1</sub>	AC g	HA c	L k	LB	AL	BA m	AA n	D/DA d/d <sub>1</sub>	E/EA l/l <sub>1</sub>	F/FA u/u <sub>1</sub>	GD	GA/GC t/t <sub>1</sub>	DB <sup>3)</sup> d <sub>5</sub> /d <sub>7</sub>
56	56	90	71	36	5.8	110		100	156	120	8	195	175	58			9	20	3	3	7.2	M3
63Z	63	100	80	40	7	120	103	110	173	130	10	215	192	61	25	27	11	23	4	4	8.5	M4
71	71	112	90	45	7	132	105	117	188	145	9	255	225	67	22	28	14	30	5	5	11	M5
80	80	125	100	50	10	160	130	137	217	165	9.5	290	250	79.5	35	35	19	40	6	6	15	M6
90S	90	140	100	56	10	175	155	145	235	185	11	310	260	82.5	33	35	24	50	8	7	20	M8
90L	90	140	125	56	10	175	155	145	235	185	11	335	285	82.5	30	35	24	50	8	7	20	M8
100	100	160	140	63	12	196	176	152	252	205	12	386	326	78.5	42	50	28	60	8	7	24	M10
112	112	190	140	70	12	220	180	180	292	230	15	395	335	88	42	55	28	60	8	7	24	M10
132S	132	216	140	89	12	252	176	193	325	270	20	436	356	94	40	58	38	80	10	8	33	M12
132M-L	132	216	178	89	12	252	214	193	325	270	20	475.5	395.5	94	40	58	38	80	10	8	33	M10

IM B5



IM B14



Flange / Flansch / Flangia / Brida / Bride B14						Flange / Flansch / Flangia / Brida / Bride B5										
IEC DIN	P a <sub>1</sub>	N b <sub>1</sub>	M e <sub>1</sub>	T f <sub>1</sub>	S <sup>1)</sup> s <sub>1</sub>	P e <sub>1</sub>	N b <sub>1</sub>	P a <sub>1</sub>	T f <sub>1</sub>	S <sup>1)</sup> s <sub>1</sub>	D d	E l	F u	GD	GA t	DB <sup>2)</sup> d <sub>6</sub>
56	80	50	65	2.5	M5	98	80	120	3	M6	9 j6	20	3	3	10.2	M3
63	90	60	75	2.5	M5	115	95	140	3	M8	11 j6	23	4	4	12.5	M4
71	105	70	85	2.5	M6	130	110	160	3.5	M8	14 j6	30	5	5	16	M5
80	120	80	100	3	M6	165	130	200	3.5	M10	19 j6	40	6	6	21.5	M6
90	140	95	115	3	M8	165	130	200	3.5	M10	24 j6	50	8	7	28	M8
100	160	110	130	3.5	M8	215	180	250	4	M12	28 j6	60	8	7	32	M10
112	160	110	130	3.5	M8	215	180	250	4	M12	28 j6	60	8	7	32	M10
132	200	130	165	4	M10	265	230	300	4	M12	38 k6	80	10	8	43	M12

1) Clearance hole for screw / Durchgangsloch für Schraube / Dimensione foro per vite / Agujero pasante para tornillo / Alésage  
IM B5 on request / IM B5 auf Anfrage / IM B5 su richiesta / IM B5 sobre demanda / IM B5 sur demande

2) Centering holes in shaft extensions to DIN 332 part 2 / Zentrierbohrungen in den Wellenenden nach DIN 332 Teil 2 / Foro su uscita d'asse conforme a DIN 332 parte 2  
Agujero centrado en salida de eje según DIN 332 parte 2 / Perçage de l'arbre selon DIN 332 partie 2



**Your distributor**