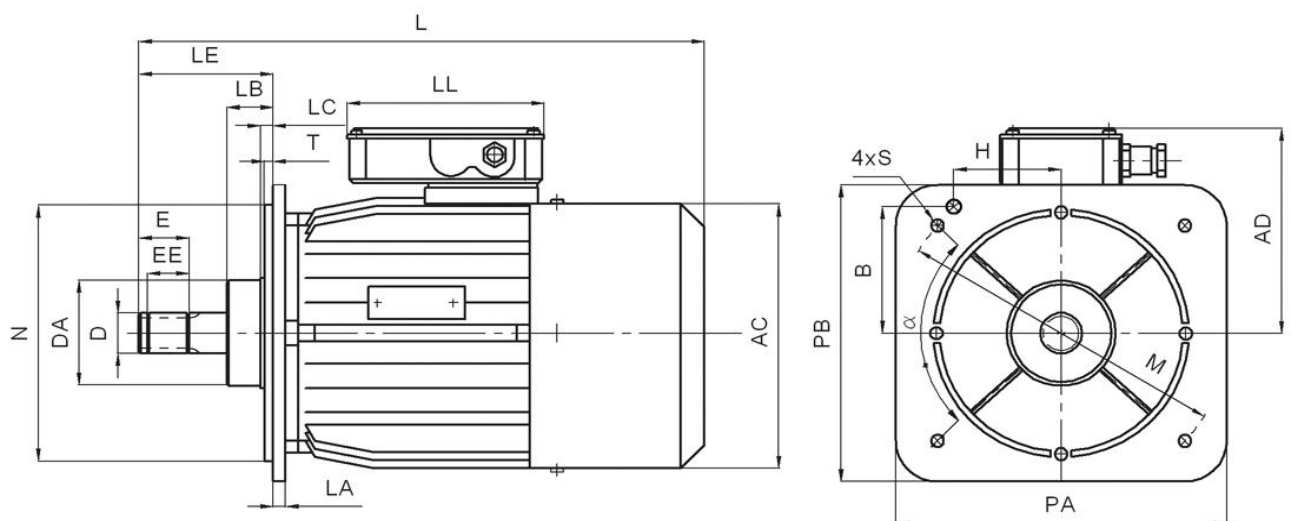


Three-phase electric motors with a built-in electromagnetic brake for lifting mechanisms and electric hoists – TYPE CAT – 240; 290

The three-phase asynchronous electric motors that have a built-in electromagnetic brake with height of the axis of rotation 100, 112, or 132 mm are designed for lifting mechanisms and electric hoists. We can produce motors with and without manual release of the brake, with and without independent cooling. Depending on the wiring diagram, two types of stops can be achieved: delayed stop or fast stop. In the case of a delayed stop, the AC power of the brake as well as of the motor are discontinued, while in the case of a fast stop, both the DC power supply of the brake and of the motor are discontinued.

Bemessungsleistung Rated output		TYP TYPE	Anlaufverhalten Starting performance		Bremsmoment Breaking torque	Inertia torque	Gewicht Weight
			n	I _n	M _{BR}	J	
kW	HP		min ⁻¹	A	N m	kg.m ²	kg
1500 min ⁻¹ S1,S4 - 40 % 240 h ⁻¹							
2.5	4.0	CAT100LA-4-240	1410	5.4	30	0.00983	25
4.0	5.5	CAT112M-4-240	1420	9.1	40	0.01660	35.8
7.5	10.2	CAT132M-4-290	1445	16.3	70	0.05190	-
500 / 1500 min ⁻¹ S4 - 20/40 % 240 h ⁻¹							
0.55 / 1.5	0.75 / 2.0	CAT100LB-12/4 240	430 / 1390	3.2 / 3.0	30	0.01516	30
0.83 / 2.5	1.13 / 3.4	CAT112M-12/4 240	430 / 1400	5.8 / 6.0	40	0.02040	39
1.33 / 4.0	1.8 / 5.5	CAT132MA-12/4 240	450 / 1400	7.6 / 9.0	70	0.05190	66
1.66 / 5.0	2.3 / 6.8	CAT132MB-12/4 240/5	460 / 1430	8.4 / 10.8	70	0.05830	75
2.0 / 6.0	2.7 / 8.2	CAT132MB-12/4 240/6	440 / 1400	10.0 / 13.0	70	0.05830	75

Overall and Joining Dimensions



TYP, TYPE	AC	AD	B	BA	D	DA	E	EE	L	LA	LB	LC	LE	LL	M	N	O	PA	PB	S	T	α
CAT100LA-4 240	192	140	101	101	30x1.25x9g	80	31	28	404	14	43	18	80	330	242	M25	300	280	13	9	86	
CAT112M-4 240	220	160	123	102					434													
CAT112MB-4 240			101	101					466													
CAT112 M 12/4 240			101	101					434													
CAT132MA 12/4 240	257	195	123	102	40x125x9g	105	34	29	532	16	47	90	370	292	M32	342	342	15	10	90		
CAT132MB 12/4 240/5									206													
CAT132MB 12/4 240/6									206													
CAT132M-4 290			150	124					206													