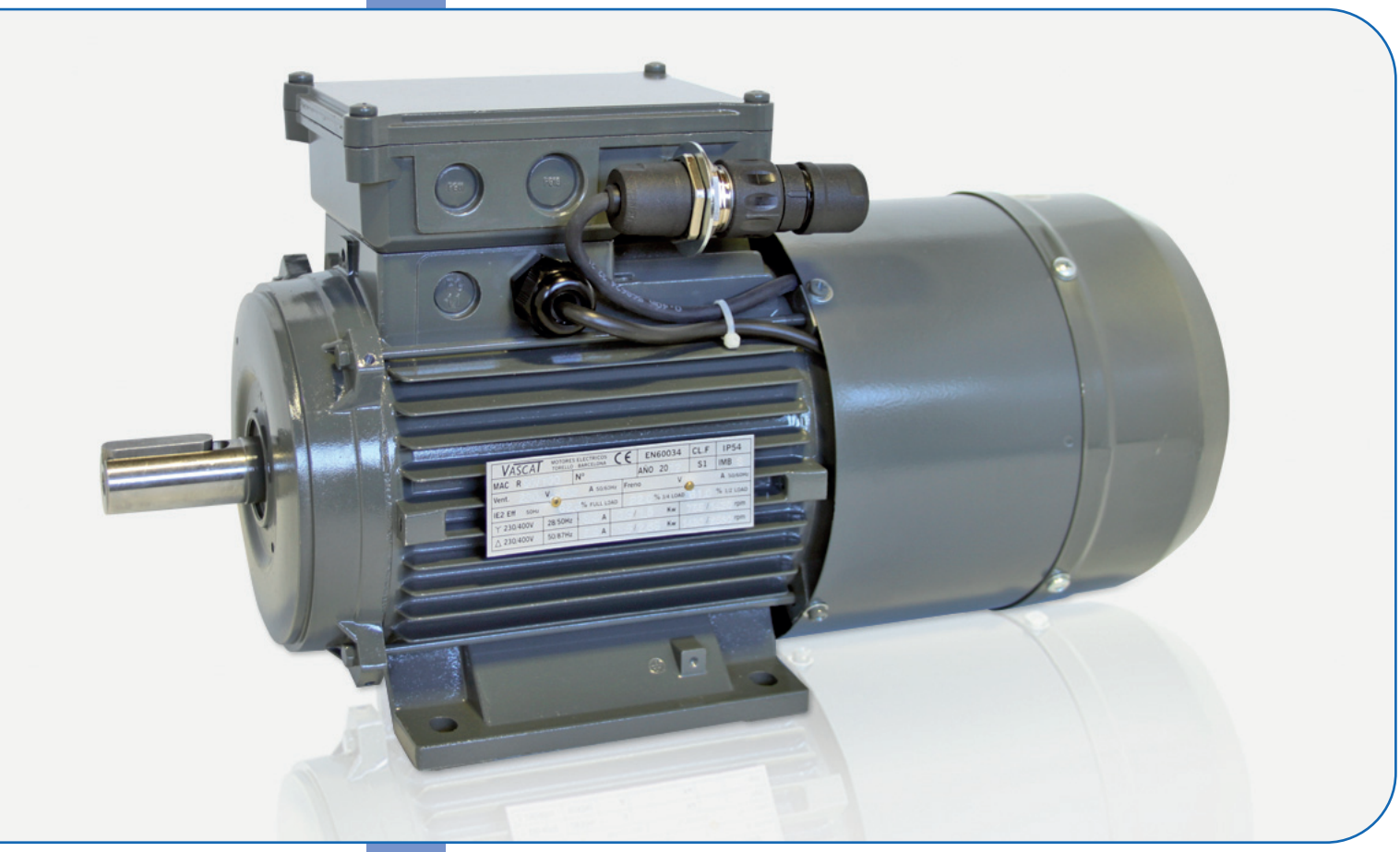
MAC DIVISION

MAC-R Series



Asynchronous motors for inverter duty

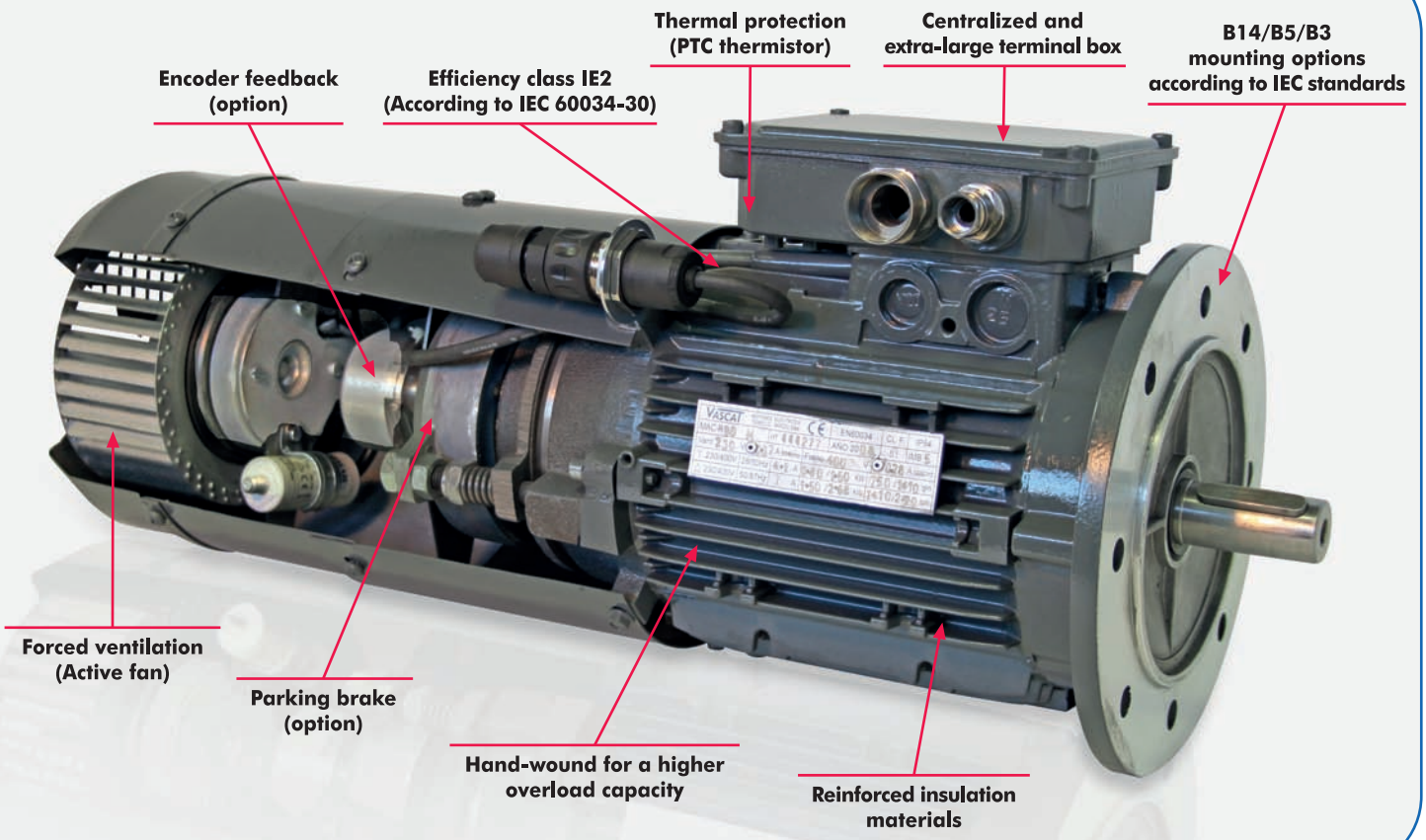
VASCAT

MAC DIVISION

ASYNCHRONOUS M

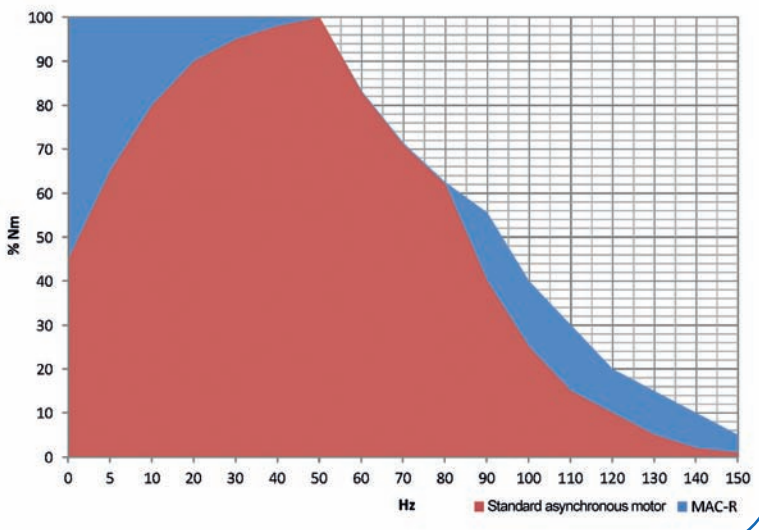
From 0,75 to 15 kW – Frames from 80 to 160 mm

High efficient asynchronous motors specifically designed for inverter duty.



MAIN ADVANTAGES

- *Nominal torque from 0 rpm without overheating.*
- *Higher torque comparing to standard induction motors with same frame.*
- *Servo motor performances: High accuracy in speed and position control.*
- *Energy savings: High efficiency and inverter operation.*
- *Longer lifetime: Reinforced insulation materials.*





O T O R S F O R I N V E R T E R D U T Y

Main characteristics

Motor type: *Asynchronous squirrel-cage motor*

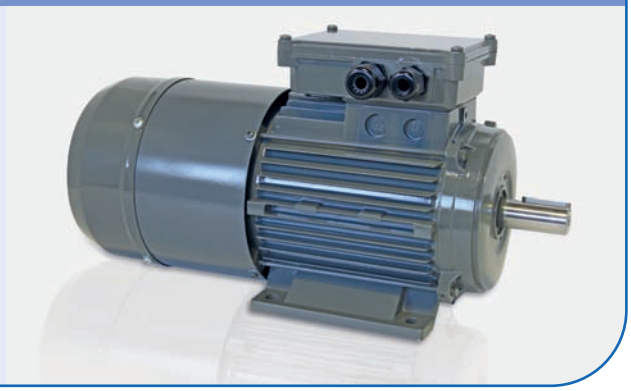
Protection degree: *IP54*

Nominal voltage: *400 Vac (Inverter duty)*

Insulating materials: *Class F*

Cooling type: *IC 416 (Active fan)*

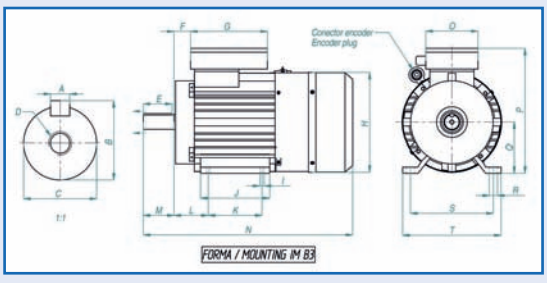
Efficiency: *IE2 class*

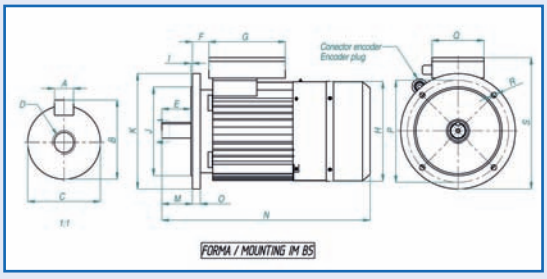


Technical performances

MOTOR TYPE		Power (kW)	Nominal Torque (Nm)	Nominal Speed (rpm)	Nominal Current (A)	Inertia (Kg/m²)	Weight (Kg)
MAC R 080	.70	0,75-1,33	5	1420-2530	1,7-2,9	0,00182	13
MAC R 090	.100	1,5-2,7	10,1	1420-2530	3,4-5,9	0,00383	16
MAC R 100	.120	3-5,3	20,1	1425-2535	6,5-11,3	0,00633	27
MAC R 112	.140	4-7,1	26,5	1430-2550	7,6-13,2	0,00935	34
MAC R 132	.125	5,5-9,7	36	1460-2570	11,3-19,6	0,0260	49
	.170	7,5-13,2	49	1460-2570	14,8-25,6	0,0318	59
MAC R 160	.160	6,2-11	71,9	830-1460	12,3-21,3	0,059	90
	.215	8,5-15	97,8	835-1465	16,7-29	0,082	106

Dimensions





MOTOR TYPE		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
MAC R 080	.70	6	21,5	19j6	M6	35	28	146	160	9,5	125	100	50	40	390	102	209	80	17,5	125	154
MAC R 090	.100	8	27	24j6	M8	45	32	146	177	9,5	155	125	56	50	433	102	224	90	17,5	140	174
MAC R 100	.120	8	30	28j6	M10	55	38	146	192	11,2	175	140	63	60	474	102	245	100	21,2	160	192
MAC R 112	.140	8	30	28j6	M10	55	37	200	220	11,2	175	140	70	60	487	136	286	112	21,2	190	224
MAC R 132	.125	10	41	38k6	M12	75	43	200	259	11,2	180	140	89	80	545	136	324	132	21,2	216	256
	.170	10	41	38k6	M12	75	43	200	259	11,2	218	178	89	80	583	136	324	132	21,2	216	256
MAC R 160	.160	12	45	42k6	M16	80	73	150	300	15	261	210	108	110	716	150	378	160	25	254	319
	.215	12	45	42k6	M16	80	73	150	300	15	261	210	108	110	716	150	378	160	25	254	319

MOTOR TYPE		A	B	C	D	E	F	G	H	I	J	K	M	N	O	P	Q	R	S
MAC R 080	.70	6	21,5	19j6	M6	35	28	146	160	3,5	130j6	200	40	390	11	165	102	11	229
MAC R 090	.100	8	27	24j6	M8	45	32	146	177	3,5	130j6	200	50	433	10	165	102	11	234
MAC R 100	.120	8	30	28j6	M10	55	38	146	192	4	180j6	250	60	474	15,5	215	102	11	270
MAC R 112	.140	8	30	28j6	M10	55	37	200	220	4	180j6	250	60	487	15,5	215	136	14	299
MAC R 132	.125	10	41	38k6	M12	75	43	200	259	4	230j6	300	80	545	20,7	265	136	14	342
	.170	10	41	38k6	M12	75	43	200	259	4	230j6	300	80	583	20,7	265	136	14	342
MAC R 160	.160	12	45	42k6	M16	80	75	150	300	5	250j6	350	110	716	13	300	150	19	404
	.215	12	45	42k6	M16	80	75	150	300	5	250j6	350	110	716	13	300	150	19	404

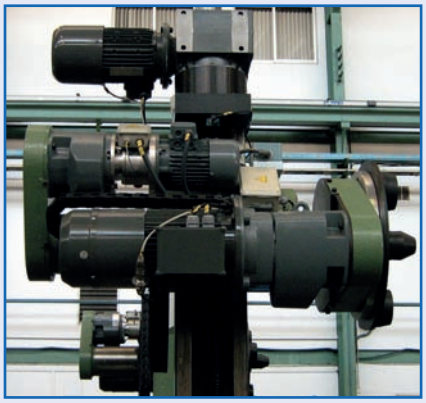
MAC DIVISION

TÜVRheinland® CERT ISO 9001

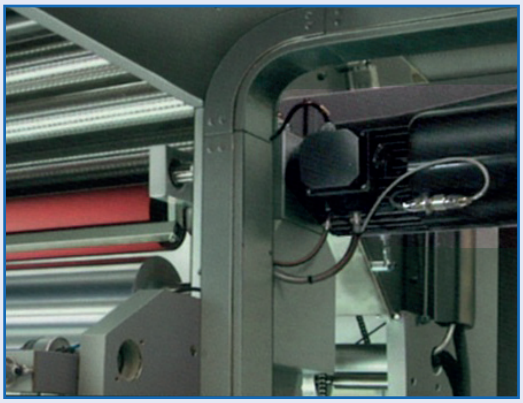
Some typical applications for MAC-R motors

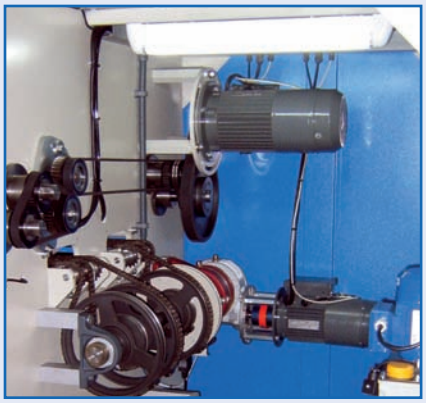
- Stackers and Feeders
- Winders / Rewinders
- Gantry cranes
- Packaging machines
- Testing systems
- High inertia machinery

And much more









OTHER MAC MOTORS FOR HIGH DYNAMIC APPLICATIONS

MAC-QI Series



Radial blower (IC06-IP23)
Up to 500 kW / 3600 Nm

MAC-QE Series



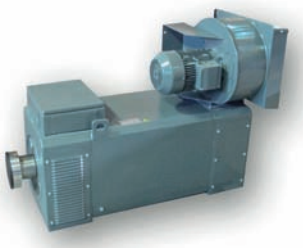
Axial blower (IC416-IP54)
Up to 260 kW / 1700 Nm

MAC-QX Series



Axial blower (I06-IP23)
Up to 200 kW / 1440 Nm

MAC-HS Series



High speed motors
Up to 450 kW / 10000 rpm

CT 62 - ED 01

VASCAT

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