



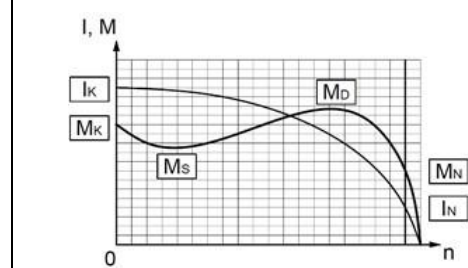
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TECHNICAL SPECIFICATION SHEET

THREE PHASES SQUIRREL CAGE ASYNCHRONOUS MOTORS

Type	NMSC 90S		
Protection Class	IP55		
Duty Type / Service Factor	S1	1.0	
Insulation Class	H		
Construction Type /Frame	B35/ 90S		
Altitude / Ambient temperature	1000 m	40 C°	
Customer / Date / Order Number	-	11.01.2024	-



PERFORMANCE DATA (FULL LOAD)

Rated Output (kW)	Rated Speed (1/min)	Voltage (V)	Frequency (Hz)	Current (A)	Efficiency (%)	Power Factor (Cos φ)	Rated Torque MN (Nm)	Starting Current IK/IN	Starting Torque MK/MN	Breakdown Torque MD/MN	Moment of Inertia Jmot (kgm²)
0,16-0,5	449 1427	400	50	1,1 1,5	75,5	0,62 0,84	3,4 3,3	2,0 3,8	1,6 1,5	2,5	0,002

CHARACTERISTIC DATA

Frame	Cast Iron (GG20)	Bearings	Standart			Drive End Bearing	Non Drive End Bearing
End Shield - DE and NDE	Cast Iron (GG20)		Heavy Duty			6205 ZZ	6205 ZZ
Foot	Ductile Iron (GGG40)					-	-
Fan	Plastic	Special Equipment	Brake	Forced ventilation	Heater	Encoder	Heat sensor
Terminal box	Aluminium		---	---	<input type="checkbox"/>	---	---
Cable Gland	PA6.6 2 x Pg13.5	Colour	RAL 6028 - Green			Weight (kg)	22



DIMENSIONS (mm) (B3-B5-V1-V5-V6-B6-B7-B8-B35)

B3										B5							Common Dimensions										
H	A	B	C	AB	AC	AD	BB	HC	HD	K	P	N	M	S	Hole Pcs.	T	LA	LB	LC	L	ØD	E	F	GA	GD	DB	R
90,0	140,0	100,0	56,0	185,0	176,0	127,0	130,0	178,0	-	10,0	200,0	130,0	165,0	12,0	4,0	3,5	11,0	249,0	360,0	299,0	24,0	50,0	8,0	27,0	7,0	*	2 x Pg13,5

Important Note : Values provided in this datasheet represent the preliminary design values. Please keep in mind that these values might vary for the final product, due to technical requirements.