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## TECHNICAL SPECIFICATION SHEET

### THREE PHASES SQUIRREL CAGE ASYNCHRONOUS MOTORS

Type	NMSF 112M2		
Protection Class	IP55		
Duty Type / Service Factor	S2 - 240 dk	1.0	
Insulation Class	F		
Construction Type /Frame	B3/ 112M2		
Altitude / Ambient temperature	1000 m	40 C°	
Customer / Date / Order Number	-	11.03.2026	-



### 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)
4	2872	400	50	7,6	83,3	0,91	13,3	6,5	2,5	2,6	0,005

### 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			6306 ZZ	6306 ZZ
Foot	Ductile Iron (GGG40)					NU 306	-
Fan	Plastic	Special Equipment	Brake	Forced ventilation	Heater	Encoder	Heat sensor
Terminal box	Cast Iron (GG20)		50 Nm brake	---	<input type="checkbox"/>	---	---
Cable Gland	PA6.6 2 x Pg13,5	Colour	RAL 6028 - Green			Weight (kg)	52



### 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		
112,0	190,0	140,0	70,0	235,0	218,0	176,0	175,0	221,0	262,0	12,0	250,0	180,0	215,0	15,0	4,0	4,0	14,0	---	546,0	478,0	28,0	60,0	8,0	31,0	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.