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TECHNICAL SPECIFICATION SHEET

THREE PHASES SQUIRREL CAGE ASYNCHRONOUS MOTORS

Type	NMST 280S8		
Protection Class	IP55		
Duty Type / Service Factor	S1	1.0	
Insulation Class	H		
Construction Type /Frame	B3/ 280S8		
Altitude / Ambient temperature	1000 m	40 C°	
Customer / Date / Order Number	-	7.07.2023	-



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)
37	736	400	50	74,6	91,8	0,78	480,1	4,8	1,8	2,3	1,630

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			6317	6316
Foot	Ductile Iron (GGG40)					NU 317	-
Fan	Plastic	Special Equipment	Brake	Forced ventilation	Heater	Encoder	Heat sensor
Terminal box	Cast Iron (GG20)		---	---	<input type="checkbox"/>	---	---
Cable Gland	PA6.6 2 x Pg36	Colour	RAL 6028 - Green			Weight (kg)	575



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
280,0	457,0	368,0	190,0	536,0	536,0	381,0	439,0	548,0	613,0	24,0	550,0	450,0	500,0	19,0	8,0	5,0	18,0	---	1144,0	993,0	75,0	140,0	20,0	79,5	12,0	M20	2 x Pg36

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.