



MOTOR DATA SHEET

Motor type: **2Sg280M8**

Series: **IE1**

22-12-2024

ELECTRICAL PARAMETERS

U	CONN.	f	P		Duty	I	n	T	TL/T	TB/T	IL/I	Efficiency at load [%]			Power factor at load [-]		
			kW	HP								-	-	-	2/4	3/4	4/4
400	Δ	50	45	60	S1	84	737	583	2.1	2.0	5.4	92.0	92.8	92.5	0.75	0.82	0.84
690	Y	50	45	60	S1	48	737	583	2.1	2.0	5.4	92.0	92.8	92.5	0.75	0.82	0.84

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	62
Frame size	280	Sound power level [dB]	72
Number of poles	8	Terminal box position	on right side
Starting method	DOL or Y/Δ	Possibility of terminal box rotation	yes
Insulation class	F	Bearing on D-side	6317C3
Frequency converter supply	yes	Bearing on ND-side	6317C3
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	yes
Cooling method	IC411	Housing - material	cast iron
Weight (IMB3) [kg]	590	Feet - material	cast iron
Moment of inertia [kgm ²]	1.8	Bearing shields - material	cast iron
Direction of rotation	CW/CCW	Painting	RAL5010
Degree of protection	IP55	Climatic execution	N

ENVIRONMENTAL CONDITIONS

Ambient temperature [°C]	up to +40	Altitude above sea level [m]	up to 1000
Relative humidity [%]	up to 95		

ACCESSORY

Number of terminals or cables	6	Temperature sensors in bearings	on demand
Cable glands/inlets	2 + 1	Winding heaters	on demand
Temperature sensors in winding	3 x PTC	Optional accessories	on demand

STANDARDS

IEC 60034-1

CERTIFICATES

on demand