

## MOTOR DATA SHEET

Motor type: **2SUg280M6**

Series: **General purpose**



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 [-]		
V	-	Hz	kW	HP	-	A	rpm	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
400	Y	50	55	75	S1	105	975	539	-	3.5	-	-	-	91.8	-	-	0.82

### GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	-
Frame size	280	Sound power level [dB]	-
Number of poles	6	Terminal box position	top
Starting method	DOL	Possibility of terminal box rotation	no
Insulation class	F	Bearing on D-side	6217C3
Frequency converter supply	on demand	Bearing on ND-side	6217C3
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	yes
Cooling method	IC411	Housing - material	cast iron
Weight (IMB3) [kg]	690	Feet - material	cast iron
Moment of inertia [kgm <sup>2</sup> ]	2.22	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	3+3	Temperature sensors in bearings	on demand
Cable glands/inlets	3	Winding heaters	on demand
Temperature sensors in winding	3 x PTC	Optional accessories	on demand

### STANDARDS

IEC 60034-1

### ADDITIONAL INFO

Rotor voltage [V]	230	Rotor current [A]	151
Rotor resistance [ohm]	0.0127	Additional rotor resistance [ohm]	0.8794