

MOTOR DATA SHEET

Motor type: **2SUg280S8**

Series: **General purpose**



27-09-2024

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	37	50	S1	77	730	484	-	2.9	-	-	-	91.0	-	-	0.76

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	-
Frame size	280	Sound power level [dB]	-
Number of poles	8	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 [kg]	655	Feet - material	cast iron
Moment of inertia [kgm ²]	1.64	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]	175	Rotor current [A]	133
Rotor resistance [ohm]	0.0445	Additional rotor resistance [ohm]	0.7597