



MOTOR DATA SHEET

Motor type: **2Sg280S8_6**

Series: **MULTI SPEED**



17-05-2024

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	N	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
400	Y	50	33	44	S1	65	740	426	2.5	2.5	6.8	-	-	89.0	-	-	0.82
400	Y	50	44	59	S1	78	990	424	1.6	2.0	6.0	-	-	90.0	-	-	0.90

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	-
Frame size	280	Sound power level [dB]	-
Number of poles	8 6	Terminal box position	on right side
Starting method	DOL / DOL	Possibility of terminal box rotation	yes
Insulation class	F	Bearing on D-side	6317P63E1
Frequency converter supply	on demand	Bearing on ND-side	6317P63E1
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	yes
Cooling method	IC411	Housing - material	cast iron
Weight [kg]	540	Feet - material	cast iron
Moment of inertia [kgm ²]	1.65	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	yes	Optional accessories	on demand

STANDARDS

IEC 60034-1

CERTIFICATES

on demand