



MOTOR DATA SHEET

Motor type: **2Sg280M12_6**

Series: **MULTI SPEED**

04-12-2024

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	26	35	S1	70	495	502	2.1	2.2	4.6	84.2	87.1	88.5	0.40	0.52	0.61
400	YY	50	44	59	S1	77	990	424	2.0	2.2	6.5	92.2	92.6	92.2	0.80	0.87	0.90

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	73 66
Frame size	280	Sound power level [dB]	83 76
Number of poles	12 6	Terminal box position	on right side
Starting method	DOL or Y/Δ / 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 (IMB3) [kg]	585	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	9	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