



24  
68  
POLES  
MULTI  
SPEED

## MOTOR DATA SHEET

Motor type: **2Sg280M8\_4**

Series: **Multi speed**

18-02-2026

ELECTRICAL PARAMETERS																	
<i>U</i>	CONN.	<i>f</i>	<i>P</i>		Duty	<i>I</i>	<i>n</i>	<i>T</i>	<i>TL/T</i>	<i>TB/T</i>	<i>IL/I</i>	Efficiency at load [%]			Power factor at load [-]		
<i>V</i>	-	Hz	<i>kW</i>	<i>HP</i>	-	A	<i>rpm</i>	<i>Nm</i>	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
400	Δ	50	60	80	S1	117	733	782	1.7	1.8	5.0	-	-	91.1	-	-	0.81
400	YY	50	80	107	S1	134	1475	518	1.6	2.1	6.3	-	-	92.6	-	-	0.93

## GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	-
Frame size	280	Sound power level [dB]	-
Number of poles	8 4	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]	620	Feet - material	cast iron
Moment of inertia [kgm <sup>2</sup> ]	2.15	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