



24
68
POLES
MULTI
SPEED

MOTOR DATA SHEET

Motor type: **2Sg250M6_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	Y	50	30	40	S1	61	993	289	2.1	3.5	7.8	83.9	86.6	87.3	0.60	0.73	0.82
400	Y	50	45	60	S1	80	1485	289	2.8	3.9	8.4	86.3	88.9	89.8	0.74	0.84	0.90

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	67 75
Frame size	250	Sound power level [dB]	77 85
Number of poles	6 4	Terminal box position	on right side
Starting method	DOL / DOL	Possibility of terminal box rotation	yes
Insulation class	F	Bearing on D-side	6315P63E1
Frequency converter supply	on demand	Bearing on ND-side	6315P63E1
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	yes
Cooling method	IC411	Housing - material	cast iron
Weight (IMB3) [kg]	455	Feet - material	cast iron
Moment of inertia [kgm ²]	1.4	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