



MOTOR DATA SHEET

Motor type: **PSg100L-4**

Series: **IE1**

04-12-2025

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
230	Δ	50	4.0	5.5	S1	16.0	1415	27.0	2.8	2.9	6.2	78.9	81.1	80.7	0.55	0.69	0.78
400	Y	50	4.0	5.5	S1	9.2	1415	27.0	2.8	2.9	6.2	78.9	81.1	80.7	0.55	0.69	0.78

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	61
Frame size	100	Sound power level [dB]	71
Number of poles	4	Terminal box position	top
Starting method	DOL	Possibility of terminal box rotation	yes
Insulation class	F	Bearing on D-side	6206 2Z C3
Frequency converter supply	yes	Bearing on ND-side	6206 2Z C3
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	no
Cooling method	IC411	Housing - material	aluminium
Weight (IMB3) [kg]	28.9	Feet - material	aluminium
Moment of inertia [kgm ²]	0.0067	Bearing shields - material	aluminium
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	1	Winding heaters	on demand
Temperature sensors in winding	on demand	Optional accessories	on demand

STANDARDS

IEC 60034-1

CERTIFICATES

on demand