

## **MOTOR DATA SHEET**

Motor type: **PSg100L-4** 

Series: **IE1** 



23-10-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	F	•	Duty	1	n	Т	TL/T	TB/T	IL/I	Effici	ency at loa	d [%]	Power	r factor at l	oad [-]
V	-	Hz	kW	HP	-	Α	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 [kgm2]	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	

