

MOTOR DATA SHEET

Motor type: **PSg112M-4A**

Series: **IE1**



23-10-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	,	•	Duty	1	n	Т	TL/T	TB/T	IL/I	Effici	ency at loa	d [%]	Power	factor at l	oad [-]
V	-	Hz	kW	HP	-	Α	rpm	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
400	Δ	50	5.5	7.5	S1	11.3	1425	36.86	2.5	3.1	6.45	84.1	84.9	83.9	0.64	0.77	0.84
690	Y	50	5.5	7.5	S1	6.5	1425	36.86	2.5	3.1	6.45	84.1	84.9	83.9	0.64	0.77	0.84

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	61			
Frame size	112	Sound power level [dB]	72			
Number of poles	4	Terminal box position	top			
Starting method	DOL or Y/Δ	Possibility of terminal box rotation	yes			
Bearing on D-side	6306 2Z C3	Frequency converter supply	yes			
Bearing on ND-side	6306 2Z C3	Mounting arrangement	IMB3/B5/B35			
Bearings regreasing	no	Cooling method	IC411			
Housing - material	aluminium	Weight (IMB3) [kg]	39.0			
Feet - material	aluminium	Moment of inertia [kgm2]	0.012			
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	1	Winding heaters	on demand			
Temperature sensors in winding	on demand	Optional accessories	on demand			

STANDARDS	
IEC 60034-1	

CERTIFICATES	
on demand	

