



MOTOR DATA SHEET

Motor type: **PSg112M-2**

Series: **IE1**

27-04-2025

ELECTRICAL PARAMETERS

U	CONN.	f	P		Duty	I	n	T	TL/T	TB/T	IL/I	Efficiency at load [%]			Power factor at load [-]		
			kW	HP								-	-	-	2/4	3/4	4/4
400	Δ	50	5.5	7.5	S1	10.7	2890	18.17	2.5	3.2	7.1	85.3	86.6	86.0	0.70	0.81	0.86
690	Y	50	5.5	7.5	S1	6.2	2890	18.17	2.5	3.2	7.1	85.3	86.6	86.0	0.70	0.81	0.86

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	73
Frame size	112	Sound power level [dB]	83
Number of poles	2	Terminal box position	top
Starting method	DOL or Y/Δ	Possibility of terminal box rotation	yes
Insulation class	F	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]	34.0	Feet - material	aluminium
Moment of inertia [kgm ²]	0.006	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