

MOTOR DATA SHEET

Motor type: **PSh90L-4**

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	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	2.2	3.0	S1	9.1	1410	14.9	2.7	2.9	5.45	75.6	78.4	78.0	0.55	0.70	0.78
400	Y	50	2.2	3.0	S1	5.2	1410	14.9	2.7	2.9	5.45	75.6	78.4	78.0	0.55	0.70	0.78

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	61			
Frame size	90	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	6205 2Z C3			
Frequency converter supply	yes	Bearing on ND-side	6205 2Z C3			
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	no			
Cooling method	IC411	Housing - material	aluminium			
Weight (IMB3) [kg]	19.4	Feet - material	aluminium			
Moment of inertia [kgm2]	0.0034	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	

