

## **MOTOR DATA SHEET**

Motor type: **PSh90L-4\_2** 

Series: Multi speed



30-11-2025

ELECTRICAL PARAMETERS																	
U	CONN.	f	F	9	Duty	1	n	Т	TL/T	TB/T	IL/I	Effici	ency at loa	d [%]	Powe	r 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	1.6	2.10	S1	3.7	1405	10.88	1.9	2.1	5.0	74.13	75.5	73.7	0.64	0.77	0.85
400	YY	50	2.4	3.3	S1	4.5	2780	8.24	1.4	2.0	4.8	82.41	83.62	82.6	0.85	0.92	0.94

GENERAL DATA							
Efficiency class	-	Sound pressure level [dB]	63 66				
Frame size	90	Sound power level [dB]	77 78				
Number of poles	4 2	Terminal box position	top				
Starting method	DOL / DOL	Possibility of terminal box rotation	yes				
Insulation class	F	Bearing on D-side	62052Z				
Frequency converter supply	on demand	Bearing on ND-side	62052Z				
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	no				
Cooling method	IC411	Housing - material	aluminium				
Weight (IMB3) [kg]	21.5	Feet - material	aluminium				
Moment of inertia [kgm2]	0.0148	Bearing shields - material	aluminium				
Direction of rotation	CW/CCW	Painting	RAL5010				
Degree of protection	IP 55	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	

