



## MOTOR DATA SHEET

Motor type: **PSH90L-4\_2**

Series: **MULTI SPEED**

04-12-2025

### ELECTRICAL PARAMETERS

U	CONN.	f	P		Duty	I	n	T	TL/T	TB/T	IL/I	Efficiency at load [%]			Power factor at load [-]		
V	-	Hz	kW	HP	-	A	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 [kgm <sup>2</sup> ]	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