



MOTOR DATA SHEET

Motor type: **Sh90L-8_2**

Series: **MULTI SPEED**

04-12-2024

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	Y	50	0.37	0.5	S1	2.0	680	5.2	1.5	1.7	2.5	32.3	42.5	48.0	0.41	0.49	0.57
400	Y	50	1.5	2.0	S1	3.6	2800	5.12	1.6	1.9	3.7	68.6	72.7	72.6	0.59	0.73	0.83

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	66 68
Frame size	90	Sound power level [dB]	74 74
Number of poles	8 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]	16.5	Feet - material	aluminium
Moment of inertia [kgm ²]	0.0028	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