

MOTOR DATA SHEET

Motor type: Sh90L-8_4

Series: Multi speed



30-11-2025

ELECTRICAL PARAMETERS																	
U	CONN.	f	,	Þ	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
400	Δ	50	0.55	0.75	S1	2.1	695	7.56	1.85	2.0	3	51.8	59.4	62.1	0.40	0.51	0.61
400	YY	50	1.0	1.36	S1	2.2	1380	6.92	1.45	2.0	3.9	78.2	78.5	74.7	0.72	0.84	0.88

GENERAL DATA							
Efficiency class	-	Sound pressure level [dB]	54 64				
Frame size	90	Sound power level [dB]	67 68				
Number of poles	8 4	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]	16.6	Feet - material	aluminium				
Moment of inertia [kgm2]	0.0027	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	

