

MOTOR DATA SHEET

Motor type: Sh90L-6_4

Series: MULTI SPEED



22-10-2025

	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	Y	50	0.75	1.0	S1	2.4	940	7.62	1.9	2.1	3.7	54.2	61.6	64.4	0.46	0.59	0.70
400	Y	50	1.2	1.61	S1	3.2	1410	8.13	1.6	2.0	4.2	63.3	69.3	67.7	0.52	0.67	0.78

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	59 66			
Frame size	90	Sound power level [dB]	63 72			
Number of poles	6 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]	15.3	Feet - material	aluminium			
Moment of inertia [kgm2]	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	

