

MOTOR DATA SHEET

Motor type: **Sh90S-8_2**

Series: MULTI SPEED



08-12-2025

	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	0.28	0.37	S1	1.4	700	3.82	1.4	1.6	2.6	31.5	40.5	45.5	0.47	0.56	0.63
400	Y	50	1.1	1.5	S1	2.7	2850	3.69	1.3	1.8	3.9	59.7	67.6	69.0	0.59	0.74	0.86

GENERAL DATA							
Efficiency class	-	Sound pressure level [dB]	65 66				
Frame size	90	Sound power level [dB]	73 76				
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 [kgm2]	0.0036	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	

