

MOTOR DATA SHEET

Motor type: **Sh90S-10**

Series: **ABOVE 8-POLES**



22-10-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	F	9	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
230	Δ	50	0.25	0.34	S1	2.21	560	4.26	1.8	2.0	2.2	44.9	51.3	55.6	0.38	0.46	0.51
400	Y	50	0.25	0.34	S1	1.27	560	4.26	1.8	2.0	2.2	44.9	51.3	55.6	0.38	0.46	0.51

GENERAL DATA							
Efficiency class	-	Sound pressure level [dB]	63				
Frame size	90	Sound power level [dB]	53				
Number of poles	10	Terminal box position	top				
Starting method	DOL	Possibility of terminal box rotation	yes				
Insulation class	F	Bearing on D-side	6205 2Z C3				
Frequency converter supply	yes	Bearing on ND-side	6205 2Z C3				
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	no				
Cooling method	IC411	Housing - material	aluminium				
Weight (IMB3) [kg]	17	Feet - material	aluminium				
Moment of inertia [kgm2]	0.0028	Bearing shields - material	aluminium				
Direction of rotation	CW/CCW	Painting	RAL5010				
Degree of protection	IP55	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	

