

MOTOR DATA SHEET

Motor type: **Sg112M-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	1.6	2.10	S1	4.1	975	15.67	1.8	2.6	6.1	72.3	77.0	78.4	0.47	0.61	0.71
400	Y	50	2.4	3.3	S1	5.4	1455	15.75	1.7	2.6	6.1	77.0	80.6	81.1	0.55	0.70	0.77

GENERAL DATA							
Efficiency class	-	Sound pressure level [dB]	57 66				
Frame size	112	Sound power level [dB]	77 70				
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	63062Z				
Frequency converter supply	on demand	Bearing on ND-side	63062Z				
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	no				
Cooling method	IC411	Housing - material	aluminium				
Weight (IMB3) [kg]	34	Feet - material	aluminium				
Moment of inertia [kgm2]	0.018	Bearing shields - material	cast iron				
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	

