



MOTOR DATA SHEET

Motor type: **Sh56-4B**

Series: **IE1**

01-09-2024

ELECTRICAL PARAMETERS

U	CONN.	f	P		Duty	I	n	T	TL/T	TB/T	IL/I	Efficiency at load [%]			Power factor at load [-]		
			kW	HP								-	-	-	2/4	3/4	4/4
230	Δ	50	0.09	0.12	S1	0.60	1380	0.62	2.0	2.1	2.4	48.6	56.2	60.0	0.42	0.53	0.61
400	Y	50	0.09	0.12	S1	0.35	1380	0.62	2.0	2.1	2.4	48.6	56.2	60.0	0.42	0.53	0.61

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	49
Frame size	56	Sound power level [dB]	56
Number of poles	4	Terminal box position	top
Starting method	DOL or Y/Δ	Possibility of terminal box rotation	yes
Insulation class	F	Bearing on D-side	62012Z
Frequency converter supply	yes	Bearing on ND-side	62012Z
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	no
Cooling method	IC411	Housing - material	aluminium
Weight (IMB3) [kg]	2.8	Feet - material	aluminium
Moment of inertia [kgm ²]	0.000186	Bearing shields - material	aluminium
Direction of rotation	CW/CCW	Painting	RAL5010
Degree of protection	IP 54/IP 55	Climatic execution	U/2

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	no
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