

MOTOR DATA SHEET

Motor type: **3SIE80-4B**

Series: **IE3**



20-04-2024

ELECTRICAL PARAMETERS

U	CONN.	f	P		Duty	I	n	T	TL/T	TB/T	IL/I	Efficiency at load [%]			Power factor at load [-]		
V	-	Hz	kW	HP	-	A	rpm	N	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
230	Δ	50	0.75	1.0	S1	3.60	1430	5.0	4.1	3.9	6.3	80.1	81.7	82.5	0.44	0.56	0.64
400	Y	50	0.75	1.0	S1	2.10	1430	5.0	4.1	3.9	6.3	80.1	81.7	82.5	0.44	0.56	0.64

GENERAL DATA

Efficiency class	IE3	Sound pressure level [dB]	58
Frame size	80	Sound power level [dB]	65
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	62042Z
Frequency converter supply	yes	Bearing on ND-side	62042Z
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	no
Cooling method	IC411	Housing - material	aluminium
Weight (IMB3) [kg]	11	Feet - material	aluminium
Moment of inertia [kgm ²]	0.00265	Bearing shields - material	aluminium
Direction of rotation	CW/CCW	Painting	RAL5010
Degree of protection	IP54/IP55	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		

STANDARDS

IEC 60034-1

CERTIFICATES

on demand