



## MOTOR DATA SHEET

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

Series: **IE3**

18-02-2026

ELECTRICAL PARAMETERS																	
<i>U</i>	CONN.	<i>f</i>	<i>P</i>		Duty	<i>I</i>	<i>n</i>	<i>T</i>	<i>TL/T</i>	<i>TB/T</i>	<i>IL/I</i>	Efficiency at load [%]			Power factor at load [-]		
<i>V</i>	-	Hz	<i>kW</i>	<i>HP</i>	-	A	<i>rpm</i>	<i>Nm</i>	-	-	-	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 <sup>2</sup> ]	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