

MOTOR DATA SHEET

Motor type: **Sh80X-8C**

Series: **IE1**



21-11-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	F	9	Duty	1	n	Т	TL/T	TB/T	IL/I	Efficiency at load [%] Power 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	0.37	0.50	S1	2.95	680	5.20	2.0	2.0	2.5	46.8	54.9	58.0	0.38	0.48	0.60
400	Y	50	0.37	0.50	S1	1.70	680	5.20	2.0	2.0	2.5	46.8	54.9	58.0	0.38	0.48	0.60

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	52			
Frame size	80	Sound power level [dB]	59			
Number of poles	8	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]	7.5	Feet - material	aluminium			
Moment of inertia [kgm2]	0.001693	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	

