

## **MOTOR DATA SHEET**

Motor type: **Sh80X-8D** 

Series: **IE1** 



23-10-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	F	•	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
230	Δ	50	0.55	0.75	S1	4.20	690	7.61	2.1	2.2	2.5	48.7	55.8	59.0	0.41	0.52	0.60
400	Y	50	0.55	0.75	S1	2.40	690	7.61	2.1	2.2	2.5	48.7	55.8	59.0	0.41	0.52	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]	12.7	Feet - material	aluminium		
Moment of inertia [kgm2]	0.003451	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	

