

## MOTOR DATA SHEET

Motor type: **4SIE280M4**

Series: **IE4**



03-02-2026

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
400	Δ	50	90	125	S1	149	1488	578	2.7	2.7	8.0	96.2	96.3	96.1	-	-	0.91
690	Y	50	90	125	S1	86	1488	578	2.7	2.7	8.0	96.2	96.3	96.1	-	-	0.91

## GENERAL DATA

Efficiency class	IE4	Sound pressure level [dB]	77
Frame size	280	Sound power level [dB]	87
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	6318C3
Frequency converter supply	yes	Bearing on ND-side	6318C3
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	yes
Cooling method	IC411	Housing - material	cast iron
Weight (IMB3) [kg]	800	Feet - material	cast iron
Moment of inertia [kgm <sup>2</sup> ]	2	Bearing shields - material	cast iron
Direction of rotation	CW/CCW	Painting	RAL5010
Degree of protection	IP55	Climatic execution	N

## 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	on demand
Cable glands/inlets	2 + 1	Winding heaters	on demand
Temperature sensors in winding	3 x PTC	Optional accessories	on demand

## STANDARDS

IEC 60034-1

## CERTIFICATES

on demand