

MOTOR DATA SHEET

Motor type: 4SIE280M4

Series: **IE4**



30-11-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	,	P	Duty	1	n	Т	TL/T	TB/T	IL/I	Effici	ency at loa	d [%]	Power	factor at l	oad [-]
V	-	Hz	kW	HP	-	Α	rpm	Nm	-	-	-	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 [kgm2]	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	

