

MOTOR DATA SHEET

Motor type: **3SIE180M4**

Series: **IE3**



30-11-2025

	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
400	Δ	50	18.5	25	S1	33.9	1475	119.8	2.9	3.5	8.3	92.1	92.8	92.6	0.70	0.80	0.85
690	Y	50	18.5	25	S1	19.7	1475	119.8	2.9	3.5	8.3	92.1	92.8	92.6	0.70	0.80	0.85

GENERAL DATA						
Efficiency class	IE3	Sound pressure level [dB]	62			
Frame size	180	Sound power level [dB]	75			
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	63112Z			
Frequency converter supply	yes	Bearing on ND-side	63112Z			
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	on demand			
Cooling method	IC411	Housing - material	cast iron			
Weight (IMB3) [kg]	190	Feet - material	cast iron			
Moment of inertia [kgm2]	0.162	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	1	Winding heaters	on demand			
Temperature sensors in winding	on demand	Optional accessories	on demand			

STANDARDS	
IEC 60034-1	

CERTIFICATES	
on demand	

