



# MOTOR DATA SHEET

Motor type: **Sf315Y6-E**

Series: **Standard efficiency**

08-06-2025

## ELECTRICAL PARAMETERS

U	CONN.	f	P		Duty	I	n	T	TL/T	TB/T	IL/I	Efficiency at load [%]			Power factor at load [-]		
V	-	Hz	kW	HP	-	A	rpm	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
6000	Y	50	160	220	S1	19.8	991	1542	2.2	2.1	5.9	-	-	94.8	-	-	0.82

## GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	-
Frame size	315	Sound power level [dB]	-
Number of poles	6	Terminal box position	on right side
Starting method	DOL	Possibility of terminal box rotation	yes
Insulation class	F	Bearing on D-side	6320C3
Frequency converter supply	on demand	Bearing on ND-side	NU320EM1
Mounting arrangement	IM1001 (B3)	Bearings regreasing	yes
Cooling method	IC611	Housing - material	steel
Weight (IMB3) [kg]	1730	Feet - material	steel
Moment of inertia [kgm <sup>2</sup> ]	7.4	Bearing shields - material	steel
Direction of rotation	CW/CCW	Painting	RAL5010
Degree of protection	IP55	Climatic execution	N

## ENVIRONMENTAL CONDITIONS

Ambient temperature [°C]	from -20 up to +40	Altitude above sea level [m]	up to 1000
Relative humidity [%]	up to 95		

## ACCESSORY

Number of terminals or cables	3	Temperature sensors in bearings	2 x Pt100 (1 pc/bearing)
Cable glands/inlets	1	Winding heaters	on demand
Temperature sensors in winding	6 x Pt100 (2 pcs./phase)	Optional accessories	on demand

## STANDARDS

IEC60034-1

## CERTIFICATES

on demand