

## MOTOR DATA SHEET

Motor type: **Sf450X12A**

Series: **STANDARD EFFICIENCY**



03-02-2026

<b>ELECTRICAL PARAMETERS</b>																	
<i>U</i>	<i>CONN.</i>	<i>f</i>	<i>P</i>		<i>Duty</i>	<i>I</i>	<i>n</i>	<i>T</i>	<i>TL/T</i>	<i>TB/T</i>	<i>IL/I</i>	<i>Efficiency at load [%]</i>			<i>Power factor at load [-]</i>		
<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
6000	Y	50	160	220	S1	20.8	495	3087	0.9	2.6	5.7	-	-	94.0	-	-	0.79

### GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	-
Frame size	450	Sound power level [dB]	-
Number of poles	12	Terminal box position	on right side
Starting method	DOL	Possibility of terminal box rotation	yes
Insulation class	F	Bearing on D-side	NU226EM1+6226MC3
Frequency converter supply	on demand	Bearing on ND-side	NU226EM1
Mounting arrangement	IM1001(B3)	Bearings regreasing	yes
Cooling method	IC611	Housing - material	steel
Weight (IMB3) [kg]	3490	Feet - material	steel
Moment of inertia [kgm <sup>2</sup> ]	41.3	Bearing shields - material	steel
Direction of rotation	CW/CCW	Painting	RAL5010
Degree of protection	IP54	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