

MOTOR DATA SHEET

Motor type: **Sf450X8**

Series: STANDARD EFFICIENCY



21-11-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	F	D	Duty	1	n	Т	TL/T	TB/T	IL/I	Effici	ency at loa	d [%]	Powe	r factor at l	oad [-]
V	-	Hz	kW	HP	-	Α	rpm	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
6000	Y	50	400	540	S1	49.2	743	5141	1.1	2.5	6	-	1	94.4	-	-	0.83

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	-			
Frame size	450	Sound power level [dB]	-			
Number of poles	8	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]	3870	Feet - material	steel			
Moment of inertia [kgm2]	49.6	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					

