

MOTOR DATA SHEET

Motor type: **Sf450Y6**

Series: STANDARD EFFICIENCY



21-11-2025

ELECTRICAL PARAMETERS																	
U	CONN.	f	ı	P	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
6000	Y	50	800	1080	S1	90.9	991	7709	1	2.3	5.6	-	-	95.3	-	-	0.89

GENERAL DATA					
Efficiency class	-	Sound pressure level [dB]	-		
Frame size	450	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	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]	4310	Feet - material	steel		
Moment of inertia [kgm2]	56.7	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				
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