

MOTOR DATA SHEET

Motor type: **SVf450Y12B**

Series: STANDARD EFFICIENCY



11-12-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	ŀ	•	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	400	540	S1	50	494	7779	0.9	2.6	5.8	-	-	95.0	-	-	0.81

GENERAL DATA					
Efficiency class	-	Sound pressure level [dB]	-		
Frame size	450	Sound power level [dB]	-		
Number of poles	12	Terminal box position	side of housing		
Starting method	DOL	Possibility of terminal box rotation	yes		
Insulation class	F	Bearing on D-side	6326C3		
Frequency converter supply	on demand	Bearing on ND-side	7322BTVP		
Mounting arrangement	IM3011(V1)	Bearings regreasing	yes		
Cooling method	IC511	Housing - material	steel		
Weight (IMB3) [kg]	4300	Feet - material	steel		
Moment of inertia [kgm2]	73.5	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

