



MOTOR DATA SHEET

Motor type: **SVf450Y12B**

Series: **STANDARD EFFICIENCY**

04-05-2025

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	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 [kgm ²]	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