



MOTOR DATA SHEET

Motor type: **Sh450H6A**

Series: **HIGH 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	450	600	S1	53.7	992	4332	0.8	2.2	5.2	-	-	96.0	-	-	0.84

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	81
Frame size	450	Sound power level [dB]	-
Number of poles	6	Terminal box position	top/ * side
Starting method	DOL	Possibility of terminal box rotation	yes
Insulation class	F	Bearing on D-side	6324MC3
Frequency converter supply	on demand	Bearing on ND-side	NU222EM1/*7322BTVP
Mounting arrangement	B3/B35/V1*	Bearings regreasing	yes
Cooling method	IC411	Housing - material	cast iron
Weight (IMB3) [kg]	3800	Feet - material	cast iron
Moment of inertia [kgm ²]	25.3	Bearing shields - material	cast iron
Direction of rotation	CW/CCW	Painting	RAL5010
Degree of protection	IP55	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

IEC 60034-1

CERTIFICATES

on demand
