

MOTOR DATA SHEET

Motor type: **Sh450H10A**

Series: High efficiency



04-11-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	ŀ	•	Duty	I	n	Т	TL/T	TB/T	IL/I	Efficiency at load [%]		Power factor at load [-]			
V	-	Hz	kW	HP	-	Α	rpm	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
6000	Y	50	280	380	S1	35	594	4502	0.9	2.4	5.6	-	-	95.1	-	-	0.81

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	77			
Frame size	450	Sound power level [dB]	-			
Number of poles	10	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]	3890	Feet - material	cast iron			
Moment of inertia [kgm2]	43.8	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					

