

MOTOR DATA SHEET

Motor type: **Sh450H2C**

Series: High efficiency



04-11-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	ŀ	•	Duty	I	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	710	950	S1	79	2987	2270	0.8	2.8	6.9	-	-	96.7	-	-	0.89

GENERAL DATA					
Efficiency class	-	Sound pressure level [dB]	84		
Frame size	450	Sound power level [dB]	-		
Number of poles	2	Terminal box position	top		
Starting method	DOL	Possibility of terminal box rotation	yes		
Insulation class	F	Bearing on D-side	EFNLB9-90 or 6318MC3		
Frequency converter supply	on demand	Bearing on ND-side	EFNLQ9-90 or 6318MC3		
Mounting arrangement	B3/B35	Bearings regreasing	yes		
Cooling method	IC411	Housing - material	cast iron		
Weight (IMB3) [kg]	4190	Feet - material	cast iron		
Moment of inertia [kgm2]	13.1	Bearing shields - material	cast iron		
Direction of rotation	CW or CCW (according to the order)	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

