

MOTOR DATA SHEET

Motor type: **Sh450H12Cs**

Series: **ABOVE 8-POLES**



03-11-2025

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
400	Δ or Y	50	250	340	S1	506	492	4853	0.8	2.1	5.0	93.1	93.8	93.8	0.61	0.72	0.76

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	74			
Frame size	450	Sound power level [dB]	-			
Number of poles	12	Terminal box position	top/ * side			
Starting method	direct or VSD	Possibility of terminal box rotation	yes			
Insulation class	F	Bearing on D-side	6324 C3			
Frequency converter supply	yes	Bearing on ND-side	NU222 /* 7322 BTVP			
Mounting arrangement	IMB3/B35/V1*	Bearings regreasing	yes			
Cooling method	IC411	Housing - material	cast iron			
Weight (IMB3) [kg]	3750	Feet - material	cast iron			
Moment of inertia [kgm2]	40.0	Bearing shields - material	cast iron			
Direction of rotation	CW/CCW	Painting	RAL5010			
Degree of protection	IP55	Climatic execution	N			

	ENVIRONMENTAL CONDITIONS								
Ambient temperature [°C]	up to +40	Altitude above sea level [m]	vel [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	3	Winding heaters	on demand				
Temperature sensors in winding	6 x Pt100 (2pcs./phase)	Optional accessories	on demand				

STANDARDS	
IEC 60034-1	

CERTIFICATES					
on demand					

