

MOTOR DATA SHEET

Motor type: **Sh450H12As**

Series: **ABOVE 8-POLES**



03-11-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	F	D	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
400	Δ or Y	50	160	220	S1	324	494	3093	0.8	2.3	5.6	93.1	93.8	93.8	0.57	0.69	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]	3470	Feet - material	cast iron		
Moment of inertia [kgm2]	30.0	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]		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			

