

MOTOR DATA SHEET

Motor type: Sg355S12B

Series: **ABOVE 8-POLES**



21-11-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	F	•	Duty	1	n	Т	TL/T	TB/T	IL/I	Effici	ency at loa	d [%]	Power	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	110	150	S1	238	491	2140	1.3	1.9	5.1	90.0	91.5	91.5	0.58	0.69	0.73
690	Δ or Y	50	110	150	S1	137	491	2140	1.3	1.9	5.1	90.0	91.5	91.5	0.58	0.69	0.73

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	76			
Frame size	355	Sound power level [dB]	-			
Number of poles	12	Terminal box position	on right side/* on side			
Starting method	bezpośredni lub Y/D	Possibility of terminal box rotation	yes			
Insulation class	F	Bearing on D-side	NU322 EM1/* 6322 C3			
Frequency converter supply	on demand	Bearing on ND-side	6322 C3/* 7322 BTVP			
Mounting arrangement	IMB3/B35/V1*	Bearings regreasing	yes			
Cooling method	IC411	Housing - material	cast iron			
Weight (IMB3) [kg]	1570	Feet - material	cast iron			
Moment of inertia [kgm2]	12.1	Bearing shields - material	cast iron			
Direction of rotation	CW/CCW	Painting	RAL5010			
Degree of protection	IP54	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	6	Temperature sensors in bearings	on demand			
Cable glands/inlets	2	Winding heaters	on demand			
Temperature sensors in winding	3 x PTC	Optional accessories	on demand			

STANDARDS	
IEC 60034-1	

CERTIFICATES	
on demand	

