

MOTOR DATA SHEET

Motor type: **Sg355S12A**



Series: **ABOVE 8-POLES**

19-02-2026

ELECTRICAL PARAMETERS																	
<i>U</i>	CONN.	<i>f</i>	<i>P</i>		Duty	<i>I</i>	<i>n</i>	<i>T</i>	<i>TL/T</i>	<i>TB/T</i>	<i>IL/I</i>	Efficiency at load [%]			Power factor at load [-]		
<i>V</i>	-	Hz	<i>kW</i>	<i>HP</i>	-	A	<i>rpm</i>	<i>Nm</i>	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
400	Δ or Y	50	90	120	S1	195	493	1743	1.2	2.2	5.5	90.0	91.4	91.5	0.53	0.66	0.73
690	Δ or Y	50	90	120	S1	113	493	1743	1.2	2.2	5.5	90.0	91.4	91.5	0.53	0.66	0.73

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	75
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]	1390	Feet - material	cast iron
Moment of inertia [kgm ²]	10.4	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