



# MOTOR DATA SHEET

Motor type: **Sh355H6A**

Series: **High efficiency**

08-06-2025

## ELECTRICAL PARAMETERS

U	CONN.	f	P		Duty	I	n	T	TL/T	TB/T	IL/I	Efficiency at load [%]			Power factor at load [-]		
V	-	Hz	kW	HP	-	A	rpm	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
6000	Y	50	160	220	S1	20.6	992	1540	1.4	2.6	6.4	-	-	94.7	-	-	0.79

## GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	79
Frame size	355	Sound power level [dB]	-
Number of poles	6	Terminal box position	top/ * side
Starting method	DOL	Possibility of terminal box rotation	yes
Insulation class	F	Bearing on D-side	6322MC3
Frequency converter supply	on demand	Bearing on ND-side	6322MC3
Mounting arrangement	B3/B35/V1*	Bearings regreasing	yes
Cooling method	IC411	Housing - material	cast iron
Weight (IMB3) [kg]	2030	Feet - material	cast iron
Moment of inertia [kgm <sup>2</sup> ]	6.9	Bearing shields - material	cast iron
Direction of rotation	CW/CCW	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