



MOTOR DATA SHEET

Motor type: **Sh400H4Es**

Series: **IE1**

22-10-2019

ELECTRICAL PARAMETERS

U	CONN.	f	P		Duty	I	n	T	TL/T	TB/T	IL/I	Efficiency at load [%]			Power factor at load [-]		
			kW	HP								-	-	-	2/4	3/4	4/4
400	Δ or Y	50	560	750	S1	960	1491	3587	1.7	2.6	7.6	96.3	96.8	96.8	0.77	0.85	0.87
690	Δ or Y	50	560	750	S1	554	1491	3587	1.7	2.6	7.6	96.3	96.8	96.8	0.77	0.85	0.87

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	82
Frame size	400	Sound power level [dB]	-
Number of poles	4	Terminal box position	top/ * side
Starting method	DOL, Y/Δ 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	6322 C3/* 7322 BTVP
Mounting arrangement	IMB3/B35/V1*	Bearings regreasing	yes
Cooling method	IC411	Housing - material	cast iron
Weight (IMB3) [kg]	3250	Feet - material	cast iron
Moment of inertia [kgm ²]	15.0	Bearing shields - material	cast iron
Direction of rotation	according to the order	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	6	Temperature sensors in bearings	2 x Pt100 (1 pc/bearing)
Cable glands/inlets	2	Winding heaters	on demand
Temperature sensors in winding	6 x Pt100 (2pcs./phase)	Optional accessories	on demand

STANDARDS

IEC 60034-1

CERTIFICATES

on demand