

# MOTOR DATA SHEET

Motor type: **Sh450H6Bs**

Series: **IE1**



19-10-2019

## 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
690	Δ or Y	50	560	750	S1	552	994	5380	1.2	2.6	6.8	96.0	96.4	96.4	0.78	0.86	0.88

## GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	80
Frame size	450	Sound power level [dB]	-
Number of poles	6	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]	4300	Feet - material	cast iron
Moment of inertia [kgm <sup>2</sup> ]	40.6	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