since 1921

MOTOR DATA SHEET

Motor type: **3SIE450H4E**

Series: **IE3**

20-04-2024

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*	*N*	-	-	-	*2/4*	*3/4*	*4/4*	*2/4*	*3/4*	*4/4*
690	Δ or Y	50	1000	1350	S1	985	1493	6397	1.5	2.5	7.3	96.0	96.5	96.5	0.79	0.86	0.88

GENERAL DATA

Efficiency class	IE3	Sound pressure level [dB]	84
Frame size	450	Sound power level [dB]	-
Number of poles	4	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]	4700	Feet - material	cast iron
Moment of inertia [kgm2]	38.0	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	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

As part of our development program, we reserve the rights to alter or amend any of the specifications without giving prior notice.

Copyright © 2024 Cantoni Group www.cantonigroup.com