

MOTOR DATA SHEET

Motor type: **3SIE450H4E**

Series: **IE3**



14-06-2025

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
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 [kgm ²]	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