

MOTOR DATA SHEET

Motor type: **3SIE450H2D**

Series: **IE3**



21-11-2025

ELECTRICAL PARAMETERS																	
U	CONN.	f	ŀ	•	Duty	I	n	Т	TL/T	TB/T	IL/I	Effici	ency at loa	d [%]	Power	r factor at l	oad [-]
V	-	Hz	kW	HP	-	Α	rpm	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
690	Δ or Y	50	900	1200	S1	888	2990	2875	0.7	2.7	6.6	95.9	96.4	96.4	0.80	0.86	0.88

GENERAL DATA						
Efficiency class	IE3	Sound pressure level [dB]	85			
Frame size	450	Sound power level [dB]	-			
Number of poles	2	Terminal box position	top			
Starting method	direct or VSD	Possibility of terminal box rotation	yes			
Insulation class	F	Bearing on D-side	6318 C3			
Frequency converter supply	yes	Bearing on ND-side	6318 C3			
Mounting arrangement	IMB3/B35	Bearings regreasing	yes			
Cooling method	IC411	Housing - material	cast iron			
Weight (IMB3) [kg]	4480	Feet - material	cast iron			
Moment of inertia [kgm2]	19.0	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				

