

MOTOR DATA SHEET

Motor type: **3SIE355ML4B**

Series: **IE3**



03-11-2025

	ELECTRICAL PARAMETERS																	
U	(CONN.	f	F	Þ	Duty	1	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
40	0	Δ	50	315	425	S1	532	1489	2020	2.2	2.5	7.2	95.9	96.1	96.0	0.80	0.87	0.89
69	0	Υ	50	315	425	S1	307	1489	2020	2.2	2.5	7.2	95.9	96.1	96.0	0.80	0.87	0.89

GENERAL DATA							
Efficiency class	IE3	Sound pressure level [dB]	78				
Frame size	355	Sound power level [dB]	-				
Number of poles	4	Terminal box position	top/* side of housing				
Starting method	DOL, Y/Δ or VSD	Possibility of terminal box rotation	yes				
Insulation class	F	Bearing on D-side	6222 C3/* 6322 C3				
Frequency converter supply	yes	Bearing on ND-side	6222 C3/* 6322 C3				
Mounting arrangement	IMB3/B35/V1*	Bearings regreasing	yes				
Cooling method	IC411	Housing - material	cast iron				
Weight (IMB3) [kg]	1830	Feet - material	cast iron				
Moment of inertia [kgm2]	6.4	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	6	Temperature sensors in bearings	on demand				
Cable glands/inlets	2	Winding heaters	on demand				
Temperature sensors in winding	3 x PTC (1pc/phase)	Optional accessories	on demand				

STANDARDS
IEC 60034-1

CERTIFICATES	
on demand	

