

MOTOR DATA SHEET

Motor type: SUDf100L-4A(S3-40%)

Series: FOR CRANES

07-12-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	F	•	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
400	Y+Y	50	1.3	1.8	S3-40%	3.3	1310	9.5	-	2.1	-	69.2	70.5	69.0	0.61	0.73	0.82

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	70			
Frame size	100	Sound power level [dB]	60			
Number of poles	4	Terminal box position	top			
Starting method	DOL with external starter	Possibility of terminal box rotation	no			
Insulation class	F	Bearing on D-side	6306 2Z			
Frequency converter supply	on demand	Bearing on ND-side	6306 2Z			
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	no			
Cooling method	IC411	Housing - material	cast iron			
Weight (IMB3) [kg]	40	Feet - material	cast iron			
Moment of inertia [kgm2]	0.009	Bearing shields - material	cast iron			
Direction of rotation	CW/CCW	Painting	RAL5010			
Degree of protection	IP44	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+3	Temperature sensors in bearings	on demand				
Cable glands/inlets	2 + 1	Winding heaters	on demand				
Temperature sensors in winding	3 x PTC	Optional accessories	on demand				

STANDARDS	
IEC 60034-1	

ADDITIONAL INFO							
Rotor voltage [V]	35	Rotor current [A]	23.2				
Rotor resistance [ohm]	0.046	Additional rotor resistance [ohm]	0.87				

