



MOTOR DATA SHEET

Motor type: **SUDf100L-4B(S3-40%)**

Series: **For cranes**

14-03-2025

ELECTRICAL PARAMETERS

U	CONN.	f	P		Duty	I	n	T	TL/T	TB/T	IL/I	Efficiency at load [%]			Power factor at load [-]		
			kW	HP								-	2/4	3/4	4/4	2/4	3/4
400	Y+Y	50	1.7	2.3	S3-40%	4.2	1310	12.4	-	2.3	-	73.0	73.9	72.1	0.62	0.75	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]	45	Feet - material	cast iron
Moment of inertia [kgm ²]	0.01	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]	40	Rotor current [A]	25.3
Rotor resistance [ohm]	0.052	Additional rotor resistance [ohm]	0.91