



MOTOR DATA SHEET

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

Series: **For cranes**

27-09-2024

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	1.3	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 [kg]	40	Feet - material	cast iron
Moment of inertia [kgm ²]	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