



MOTOR DATA SHEET

Motor type: **SUDg160L-4(S3-40%)**

Series: **For cranes**

18-02-2026

ELECTRICAL PARAMETERS

<i>U</i>	CONN.	<i>f</i>	<i>P</i>		Duty	<i>I</i>	<i>n</i>	<i>T</i>	<i>TL/T</i>	<i>TB/T</i>	<i>IL/I</i>	Efficiency at load [%]			Power factor at load [-]		
<i>V</i>	-	Hz	<i>kW</i>	<i>HP</i>	-	A	<i>rpm</i>	<i>Nm</i>	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
400	Y+Y	50	14.5	19.5	S3-40%	28.6	1430	97	-	2.7	-	87.0	87.9	87.0	0.69	0.80	0.84

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	77
Frame size	160	Sound power level [dB]	66
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	6309 2Z
Frequency converter supply	on demand	Bearing on ND-side	6309 2Z
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	no
Cooling method	IC411	Housing - material	cast iron
Weight (IMB3) [kg]	155	Feet - material	cast iron
Moment of inertia [kgm ²]	0.098	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]	240	Rotor current [A]	39
Rotor resistance [ohm]	0.103	Additional rotor resistance [ohm]	3.55