



## MOTOR DATA SHEET

Motor type: **SUDg160M-8(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 [-]		
V	-	Hz	kW	HP	-	A	rpm	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
400	Y+Y	50	5.5	7.5	S3-40%	13.7	685	76.7	-	2.2	-	71.6	75.5	75.2	0.54	0.67	0.74

### GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	72
Frame size	160	Sound power level [dB]	61
Number of poles	8	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 [kg]	130	Feet - material	cast iron
Moment of inertia [kgm <sup>2</sup> ]	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]	160	Rotor current [A]	21.8
Rotor resistance [ohm]	0.205	Additional rotor resistance [ohm]	4.24