

MOTOR DATA SHEET

Motor type: **SUDg180L-6(S3-40%)**

Series: For cranes



30-11-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	ŀ)	Duty	1	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	14.5	19.5	S3-40%	29.9	955	145	-	2.5	-	85.3	86.7	86.2	0.62	0.75	0.81

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	76			
Frame size	180	Sound power level [dB]	65			
Number of poles	6	Terminal box position	top			
Starting method	DOL with external starter	Possibility of terminal box rotation	no			
Insulation class	F	Bearing on D-side	6311 2Z			
Frequency converter supply	on demand	Bearing on ND-side	6311 2Z			
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	no			
Cooling method	IC411	Housing - material	cast iron			
Weight (IMB3) [kg]	205	Feet - material	cast iron			
Moment of inertia [kgm2]	0.237	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]	255 Rotor current [A]		40			
Rotor resistance [ohm]	0.077	Additional rotor resistance [ohm]	3.21			

