



MOTOR DATA SHEET

Motor type: **2SUDg250M6A(S3-25%)**

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	42	57	S3-25%	83	972	413	-	2.6	-	-	-	89.0	-	-	0.82

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	-
Frame size	250	Sound power level [dB]	-
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	6215 C3
Frequency converter supply	on demand	Bearing on ND-side	6215 C3
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	yes
Cooling method	IC411	Housing - material	cast iron
Weight [kg]	495	Feet - material	cast iron
Moment of inertia [kgm ²]	1.29	Bearing shields - material	cast iron
Direction of rotation	CW/CCW	Painting	RAL5010
Degree of protection	IP55	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]	155	Rotor current [A]	170
Rotor resistance [ohm]	0.0108	Additional rotor resistance [ohm]	0.509