



MOTOR DATA SHEET

Motor type: **SIE445TS2**

Series: **NEMA PREMIUM**

15-06-2025

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
460	Δ	60	110	150	cont.	161	3578	298.3	1.6	2.7	7.4	95.2	95.3	95.0	0.86	0.91	0.92

GENERAL DATA

Efficiency class	NEMA PREMIUM	Sound pressure level [dB]	88
Frame size	445	Sound power level [dB]	98
Number of poles	2	Terminal box position	left side
Starting method	DOL, PWS	Possibility of terminal box rotation	yes
Insulation class	F	Bearing on D-side	6315C3
Frequency converter supply	on demand	Bearing on ND-side	6315C3
Mounting arrangement	IMB3/IMB35	Bearings regreasing	yes
Cooling method	IC411	Housing - material	cast iron
Weight [Lbs]	1594	Feet - material	cast iron
Moment of inertia [Lb-Ft ²]	28.4	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	12	Temperature sensors in bearings	on demand
Cable glands/inlets	2	Winding heaters	on demand
Temperature sensors in winding	3 x PTC	Optional accessories	on demand

STANDARDS

NEMA MG-1

CERTIFICATES

CSA

ADDITIONAL INFO

NEMA design	B	NEMA code letter	G
-------------	---	------------------	---