MOTOR DATA SHEET

Motor type: **SIE324T6**

Series: **NEMA PREMIUM**

18-02-2026

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	18.5	25	cont.	31.5	1190	149.1	2.3	2.4	5.8	92.4	93.3	93.0	0.65	0.75	0.80

GENERAL DATA

Efficiency class	NEMA PREMIUM	Sound pressure level [dB]	53
Frame size	324	Sound power level [dB]	63
Number of poles	6	Terminal box position	left side
Starting method	DOL, PWS	Possibility of terminal box rotation	yes
Insulation class	F	Bearing on D-side	6312C3
Frequency converter supply	on demand	Bearing on ND-side	6312C3
Mounting arrangement	IMB3/IMB35	Bearings regreasing	yes
Cooling method	IC411	Housing - material	cast iron
Weight [Lbs]	653	Feet - material	cast iron
Moment of inertia [Lb-Ft2]	12.9	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

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