

Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS

Motor type: FS: B449T - 4p - 300 hp -

Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project
Remarks		

Electrical data Class I, Div 1 Gr. C&D; Class II, Div1, Gr. F&G

U [V]	Δ/Y	f [Hz]	P [HP]	P [kW]	n [rpm]	I Load [Amps]					Nom. Eff Load [%]			Pwr. Factor Load [%]			Torque [lb-ft]	T _A /T _N LRT [%]	T _k /T _N BDT [%]
						4/4	3/4	1/2	0	LRC	4/4	3/4	2/4	4/4	3/4	2/4			
460		60	300.00	-/-	1,785	338.00	263.60	194.90	114.00	2400.0	96.2	96.3	96.1	86.0	83.0	75.0	882.0	140	200
Frame Type: B449T		Type of constr.: (A) Foot mounted - End shield				Ins. Cl.:Insulation class F		Motor Prot.:(G) Thermostats, Klixon type, normally closed				NEMA Des.: A		S.F.: 1					
Mtr. WT:2,350						Temp. Rise Cl.: B		Amb. Temp.: + to -20 °C @1000 m				kVA: H		IP IP65					


Mechanical data

Sound level (SPL / SWL) at 60 Hz	84.0 dB(A) / 95.0 dB(A)	Thickener	Polyurea
Octave Band Center Frequencies Hertz		Safe Stall Time Hot	22 s
250	500	1000	2000
4000	8000	Hz	
SPL@3	dB(A)		Safe Stall Time Cold
		Frame material	cast iron
Moment of inertia	69.5 Lb-ft ²	Color, paint shade	
Ext Load Inertia Capability:	1200.0 Lb ft ²	Coating (paint finish)	
Bearings		Ventilation Type	
Bearing DE NDE	6318 Z C3 S0	6316 Z C3 S0	Method of cooling
Bearing_Type	Ball Bearing	Ball Bearing	Direction of rotation
AFBMA:	90BC03JP30	80BC03JP30	Fan Material
Grease		VFD	CT: n/a VT: 20:1
Capacity	14.5 oz	7.5 oz	Space heaters
Grease Type:	Exxon Mobile EM		Brake:

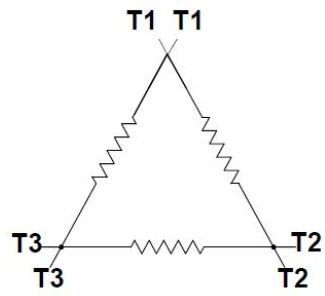
Terminal box

Lead Wire Connection	6 LEAD - DELTA	Terminal box position	(3) Mounting - F-1
Voltage	L1	L1	L1
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---	T1	T2	T3
		Material of terminal box	
		Cable entry	-/-

Notes:			
I _r /I _N = locked rotor current / current nominal		3) Value is valid only for DOL operation with motor design IC411	
M _r /M _N = locked rotor torque / torque nominal		2) at rated power / at full load	
M _b /M _N = break down torque / nominal torque			

responsible dep.	technical reference	created by	approved by	<i>Technical data are subject to change! There may be discrepancies between software and customer interface</i>			
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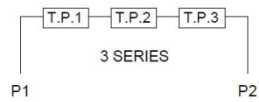
Main terminal diagram




6 LEAD DELTA			
LINES			CONN.
L1	L2	L3	
T1	T2	T3	Δ

Motor protection

THERMOSTATS



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