

Data sheet for three-phase Squirrel-Cage Motor



zakaz@proenergo.ru
+7 (495) 565-31-34

Motor type: SD100 IEEE FS: 326T - 4p - 50 hp -

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

Remarks

Electrical data Class I Division 2 Gr. A, B, C or D, T3

U [V]	Δ / Y	f [Hz]	P [HP]	P [kW]	n [rpm]	I Load [Amps]					LRC	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	4/4		3/4	2/4	4/4	3/4	2/4				
460	Δ	60	50.00	37.00	1,780	58.00	45.10	33.40	19.00	363.0	94.5	95.0	94.8	85.0	82.0	74.0	148.0	170	230	
Frame Type: 326T			Type of constr.: (A) Foot mounted - End shield								Motor Prot.:(A) Without Protection					NEMA Des.: B		S.F.: 1.15		
Mtr. WT:700 lbs			Insulation Class.:Standard Class F Insulation							Temp. Rise Cl.: B		Amb. Temp.: + 40 to -20 °C @1000 m					kVA: G		IP 55	

Mechanical data

Sound level (SPL / SWL) at 60 Hz								64.0 dB(A) / 75.0 dB(A)								Thickener								Polyurea																															
Octave Band Center Frequencies Hertz																Safe Stall Time Hot																22 s																							
250				500				1000				2000				4000				8000				Hz				Safe Stall Time Cold																45 s											
SPL@3				52.0				59.0				59.0				57.0				53.0				50.0				dB(A)				Frame material																cast iron							
Moment of inertia																10.7 Lb-ft²																Color, paint shade																Standard Paint - RAL7030							
Ext Load Inertia Capability:																232.0 Lb ft²																Coating (paint finish)																Standard Alkyed + Epoxy (C2)							
Bearings																																																							
Bearing DE NDE																6312 Z C3 S0								6312 Z C3 S0								Ventilation Type																							
Bearing_Type																Ball Bearing								Ball Bearing								Method of cooling																TEFC							
AFBMA:																60BC03JP30								60BC03JP30								Direction of rotation																Bidirectional							
Fan Material																Polypropylen ESD																																							
VFD																CT: 20:1 VT: 20:1																																							
Space heaters																without																																							
Brake:																without																																							

Terminal box

Lead Wire Connection					3 LEAD - DELTA	Terminal box position	(3) F-1, Standard Floor Mount, T. Box LHS
Voltage	L1	L2	L3	Connected together		Material of terminal box	Cast Iron
----	----	----	----	----		Cable entry	2" NPT
----	T1	T2	T3	----			

Notes:

I_L/I_N = locked rotor current / current nominal
M_L/M_N = locked rotor torque / torque nominal
M_b/M_N = break down torque / nominal torque

3) Value is valid only for DOL operation with motor design IC411
2) at rated power / at full load

responsible dep. DI MC LVM	technical reference	created by DT Configurator	approved by	Technical data are subject to change! There may be discrepancies between calculated and actual data values.			
SIEMENS	document type datasheet			document status released		customer	
	title 1LE2421-3AB21-2AA3		document number				
© Siemens AG 2023			rev. 01	creation date 17.04.2023		language en	Page 1/1