

Data sheet for three-phase Squirrel-Cage Motor



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

Motor type: SD100 IEEE FS: 365T - 4p - 75 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	75.00	55.00	1,780	85.00	64.70	47.10	25.00	543.0	95.4	95.8	95.6	87.0	85.0	78.0	221.0	180	240	
Frame Type: 365T			Type of constr.: (A) Foot mounted - End shield								Motor Prot.:(A) Without Protection					NEMA Des.: B		S.F.: 1.15		
Mtr. WT:995 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				25 s							
250		500		1000		2000		4000		8000		Hz		Safe Stall Time Cold				35 s									
SPL@3		52.0		56.0		58.0		58.0		57.0		52.0		dB(A)		Frame material				cast iron							
Moment of inertia																19.7 Lb-ft²				Color, paint shade				Standard Paint - RAL7030			
Ext Load Inertia Capability:																338.0 Lb ft²				Coating (paint finish)				Standard Alkyed + Epoxy (C2)			
Bearings																Ventilation Type											
Bearing DE NDE								6314 Z C3 S0				6314 Z C3 S0				Method of cooling				TEFC							
Bearing_Type								Ball Bearing				Ball Bearing				Direction of rotation				Bidirectional							
AFBMA:								70BC03JP30				70BC03JP30				Fan Material				Polypropylen ESD							
Grease																VFD				CT: 20:1 VT: 20:1							
Capacity								7.5 oz				7.5 oz				Space heaters				without							
Grease Type:								Exxon Mobile EM								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
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----	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.			
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