

Data sheet for three-phase Squirrel-Cage Motor

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

Motor type: SD100 IEEE FS: 286T - 4p - 30 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	T _k /T _N	
						4/4	3/4	1/2	0	4/4		3/4	2/4	4/4	3/4	2/4	LRT [%]		BDT [%]		
460	Δ	60	30.00	22.00	1,775	35.00	27.30	20.50	12.00	218.0	93.6	94.1	93.9	85.0	82.0	73.0	89.0	180	251		
Frame Type: 286T			Type of constr.: (A) Foot mounted - End shield							Motor Prot.:(A) Without Protection					NEMA Des.: B		S.F.: 1.15				
Mtr. WT:478 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								65.0 dB(A) / 76.0 dB(A)								Thickener								Polyurea																															
Octave Band Center Frequencies Hertz																Safe Stall Time Hot																24 s																							
250				500				1000				2000				4000				8000				Hz				Safe Stall Time Cold																44 s											
SPL@3				51.0				55.0				55.0				62.0				59.0				51.0				dB(A)				Frame material																cast iron							
Moment of inertia																4.8 Lb-ft²																Color, paint shade																Standard Paint - RAL7030							
Ext Load Inertia Capability:																144.0 Lb ft²																Coating (paint finish)																Standard Alkyed + Epoxy (C2)							
Bearings																																																							
Bearing DE NDE																6310 Z C3 S0								6310 Z C3 S0																															
Bearing_Type																Ball Bearing								Ball Bearing																															
AFBMA:																50BC03JP30								50BC03JP30																															
Grease																																																							
Capacity																2.6 oz								2.6 oz																															
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 information and actual motor surface				
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