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Product Information Packet

35X057Z541H2

1.5HP,1755RPM,3PH,60HZ,145TCY,3521M,TEFC

Part Detail							
Revision:	E	Status:	INA/A	Change #:		Proprietary:	Yes
Type:	AC	Prod. Type:	3521M	Elec. Spec:	35WGZ541	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35X057	Layout:	35LYX057
Frame:	145TCY	Mounting:	F3	Poles:	04	Created Date:	03-20-2008
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-15-2010
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Dealers Industrial Equipment -- Visit <https://DealersElectric.com> or call (908) 688-1966 for all of your electric motor & VFD needs!

Nameplate NP1256L										
CAT.NO.	9910-2000-1324									
SPEC.	35X057Z541H2									
HP	1.5									
VOLTS	208-230/460									
AMP	5.1-4.8/2.4									
RPM	1755									
FRAME	145TCY				HZ	60			PH	3
SER.F.	1.15		CODE	M	DES	B		CLASS	F	
NEMA-NOM-EFF	84		PF	70						
RATING	40C AMB-CONT									
CC	010A				USABLE AT 208V					
DE	6205				ODE	6203				
ENCL	TEFC		SN							
	P14X1371									

AC Induction Motor Performance Data

Record # 23168 - Typical performance - not guaranteed values

Winding: 35WGZ541-R001	Type: 3521M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	4.43 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	5.1-4.8/2.4			Breakdown Torque	19.4 LB-FT
R.P.M.	1755			Pull-up Torque	10.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	13.8 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	19 A
Service Factor (S.F.)	1.15			No-load Current	1.59 A
NEMA Nom. Eff.	84	Power Factor	70	Line-line Res. @ 25°C	10.1 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	56°C
S.F. Amps				Temp. Rise @ S.F. Load	65°C
				Rotor inertia	0.124 LB-FT ²

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	48	62	70	77	80	74
Efficiency	68.2	79.4	83	84	83.9	83	83.9
Speed	1792	1782	1772	1761	1749	1735	1754
Line amperes	1.64	1.8	2.04	2.35	2.71	3.12	2.57

Performance Graph at 460V, 60Hz, 1.5HP Typical performance - Not guaranteed values

