



Product Information Packet

IDXM7037T

2HP,1760RPM,3PH,60HZ,145TC,3534M,XPFC,F1

Part Detail							
Revision:	Q	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGZ542	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35N256	Layout:	35LYN256	Poles:	04	Created Date:	11-24-2010
Base:	RG	Eff. Date:	11-06-2017	Leads:	9#18		

Specs			
Catalog Number:	IDXM7037T	Insulation Class:	F
Enclosure:	XPFC	Inverter Code:	Inverter Duty
Frame:	145TC	KVA Code:	L
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	2.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	CLI GP D; CLII GP F,G	Motor Type:	3534M
XP Division:	Division I	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	76
	UL	Product Family:	General Purpose
	UR	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT
Blower:	None	Shaft Extension Location:	Pulley End

Constant Torque Speed Range:	6	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	2.800 A @ 460.0 V	Shaft Rotation:	Reversible
	5.600 A @ 230.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	B	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	NONE (OLD)
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	Normally Closed Thermostat
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
Heater Indicator:	No Heater	Winding Thermal 2:	None
		XP Temp Code:	T3C

Nameplate NP0887XPSLEV

NO.				CC	010A		
S/N				TEMP CODE	T3C		
SPEC.	35N256Z542G1			INV.TYPE	PWM		
CAT.NO.	IDX7037T			C HP FR	60	C HP TO	90
HP	2			CT HZ FROM	6	CT HZ TO	60
VOLTS	230/460			VT HZ FROM	6	VT HZ TO	60
AMPS	5.6/2.8			MAG CUR	3/1.5		
RPM	1760			MX RPM	2700		
HZ	60	PH	3	CL	F	NOM.EFF.	88.5
SER.F.	1.00	DES	B	SL HZ	1.3	WK2	0.201
FRAME	145TC	RATING	40C AMB-CONT				
	55C RISE						

Parts List		
Part Number	Description	Quantity
SA212876	SA 35N256Z542G1	1.000 EA
RA200105	RA 35N256Z542G1	1.000 EA
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
35CB3001A02SP	EXPL PROOF CONDUIT BOX, 3/4"PIPE TAP LEA	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
35EP3700A01SP	FR ENDPLATE, XPFC	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3702A01SP	PU EP-205 BRG-35X-56C-143-5TC	1.000 EA
51XN1032A16	10-32 X 1.000 HX WS SL SR	2.000 EA
HA3013A01	1/2-20X5/8 SPL.HX BOLT	2.000 EA
HW3021C06	3/32 DI X .625 PIN (F/S)	2.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A01SP	IEC FH NO GREASER W/PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB3500A01SP	CONDUIT BOX LID, MACH	1.000 EA
51XN2520A16	SCREW, HEX WS SLT, ZN, 1/4-20 X 1.00	4.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
NP0018F	ALUM UL XP CONDUIT BOX NAMEPLATE	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025G29	WILKOFAS, 789.229, DARK CHARCOAL GRAY	0.017 GA

Parts List (continued)		
Part Number	Description	Quantity
HA3104A10	THRUBOLT, 5/16-18 X 10.25	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP0887XPSLEV	SS XP INV UL CSA-EEV CC CL-I GP-D	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA

AC Induction Motor Performance Data

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AC Induction Motor Performance Data
 Record # 33866
 Typical performance - not guaranteed values

Winding: 35WVGZ542	Type: 3535M	Enclosure: XPFC
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Nameplate Data				General Characteristics at 460 V, 60 Hz: High Volt Connection	
Rated Output (HP)	2			Full Load Torque	5.88 LB-FT
Volts	230/460			Start Configuration	DOL
Full Load Amps	5.6/2.8			Break Down Torque	24.6 LB-FT
R.P.M.	1760			Pull-Up Torque	17.3 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	19.5 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	25 Amps
Service Factor	1			No-load Current	1.54 Amps
NEMA Nom. Eff.	88.5	P.F.	76	Line-line Res. @ 25°C.	6.61 Ohms
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	49°C
S.F. Amps				Temp. Rise @ S.F. Load	

Load Characteristics at 460 Volts, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	55	69	76	80	84	
Efficiency	80.6	87.2	89.2	89	88.6	87.5	
Speed	1792	1783	1772	1761	1749	1737	
Line Amperes	1.65	1.91	2.29	2.74	3.27	3.82	

Baldor Electric Company Fort Smith, Arkansas



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