



Product Information Packet

L1410T

5HP,1725RPM,1PH,60HZ,184T,3640LC,OPEN,F1

Part Detail							
Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WG849	CD Diagram:	CD0017A02	Mfg Plant:	
Mech. Spec:	36M925	Layout:	36LYM925	Poles:	04	Created Date:	01-06-2010
Base:	RG	Eff. Date:	04-08-2019	Leads:	2#10 A PH,2#16 B PH		

Specs			
Catalog Number:	L1410T	Inverter Code:	Not Inverter
Enclosure:	OPEN	KVA Code:	G
Frame:	184T	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	No Locked Bearing
Output @ Frequency:	5.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	2 @ 10 AWG, A PH
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3640LC
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	87
	UR	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	Standard
Base Indicator:	Rigid	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	23.000 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	25.000 A @ 208.0 V	Shaft Rotation:	Reversible

Design Code:	L	Shaft Slinger Indicator:	No Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None
Front Face Code:	Standard	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
Insulation Class:	F	Winding Thermal 2:	None

Nameplate NP1256L

CAT.NO.	L1410T									
SPEC.	36M925W849G1									
HP	5									
VOLTS	230									
AMP	23									
RPM	1725									
FRAME	184T				HZ		60		PH	1
SER.F.	1.15			CODE	G	DES	L	CLASS	F	
NEMA-NOM-EFF	82.5			PF	87					
RATING	40C AMB-CONT									
CC				USABLE AT 208V						25
DE	6206			ODE	6205					
ENCL	OPEN		SN							

Parts List		
Part Number	Description	Quantity
SA189553	SA 36M925W849G1	1.000 EA
RA177263	RA 36M925W849G1	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
36EP3204B00	MASTER ODE,205 BRG,GRSR	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
SP1008A01	BAFFLE, MODEL 36 & 37	1.000 EA
13XF0832A08	8-32 X.50 PAN HD,SLTD, TYPE F SCREW, ZIN	2.000 EA
10XN2520A12	1/4-20 X 3/4 HEX HEAD CAP	2.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP3205D00	MASTER DE,206 BRG,1.197SH,GRSR	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
36CB4516	36 LIPPED CB LID - GALVANNEAL	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501E16	KEY, 1/4 SQ X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
HA6362ZP	LIFTING LUG FOR 36 FRAME MOTORS.	2.000 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.022 GA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
HA3101A40	THRUBOLT 1/4-20 X 12.687	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
36CB5005A03	CAPACITOR BOX KIT, 36CB3800, OC3040F18,	1.000 EA
SP5172A05	37 TYPE LC TORQ STAT SW LEAD ASSEMBLY	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0017	CONN LABEL-1 PHASE-SINGLE VOLT-REV ROTNO	1.000 EA
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 3/19	1.000 EA
PE-0000001	ZRTG PE ASSEMBLY	1.000 EA
FE-0000001	ZRTG FE ASSEMBLY	1.000 EA

Accessories		
Part Number	Description	Multiplier
36-3403	C FACE KIT	A8
36EP1405A09SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 20861 - Typical performance - not guaranteed values

Winding: 36WGW849-R001	Type: 3640LC	Enclosure: OPEN
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Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	5			Full Load Torque	15 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	23			Breakdown Torque	34 LB-FT
R.P.M.	1725			Pull-up Torque	28 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	41 LB-FT
NEMA Design Code	L	KVA Code	G	Starting Current	140 A
Service Factor (S.F.)	1.15			No-load Current	8.4 A
NEMA Nom. Eff.	82.5	Power Factor	87	Line-line Res. @ 25°C	0.45 Ω A Ph 1.56 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	90°C
S.F. Amps				Temp. Rise @ S.F. Load	110°C

Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	60	78	86	89	91	91	90
Efficiency	67.2	79.2	82.7	83	81.5	78.5	82.1
Speed	1786	1772	1756	1739	1718	1691	1726
Line amperes	10.1	13.2	17.2	21.9	27.4	34	25.2

Performance Graph at 230V, 60Hz, 5.0HP Typical performance - Not guaranteed values

ABB Motors and Mechanical Inc.

WINDING # 36WGW849

Typical performance - not guaranteed values.

5 HP 1 PH 60 HZ 1725 RPM 230 V 3640LC
TORQUES(LB-FT): PO=34 PU=28 LR=41 LRA=140



