



Product Information Packet

M1524T

5/2.2HP,1725/1140RPM,3PH,60HZ,215T,3740M

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WG673	CD Diagram:	CD0013	Mfg Plant:	
Mech. Spec:	37A001	Layout:	37LYA001	Poles:	04/06	Created Date:	08-15-2006
Base:	RG	Eff. Date:	07-23-2015	Leads:	6#14		

Specs			
Catalog Number:	M1524T	Insulation Class:	F
Enclosure:	TEFC	Inverter Code:	Not Inverter
Frame:	215T	KVA Code:	K
Frame Material:	Steel	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	5.000 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
	2.200 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	6 @ 14 AWG
Synchronous Speed @ Frequency:	1200 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:	3740M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
Auxiliary Box:	No Auxiliary Box	Pulley Face Code:	Standard
Auxiliary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End
Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	12.800 A @ 230.0 V	Shaft Rotation:	Reversible

Design Code:	B	Shaft Slinger Indicator:	No Slinger
Drip Cover:	No Drip Cover	Speed Code:	2S-2W-VT
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 (OLD)
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
		Winding Thermal 2:	None

Nameplate NP1256L

CAT.NO.	M1524T										
SPEC.	37A001X673G1										
HP	5/2.2										
VOLTS	230										
AMP	12.8/7										
RPM	1725/1140										
FRAME	215T				HZ		60			PH	3
SER.F.	1.15		CODE		K	DES		B	CLASS		F
NEMA-NOM-EFF				PF							
RATING	40C AMB-CONT										
CC				USABLE AT 208V							
DE	6307				ODE		6206				
ENCL	TEFC		SN								

Parts List		
Part Number	Description	Quantity
SA147415	SA 37A001X673G1	1.000 EA
RA136463	RA 37A001X673G1	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
37CB3006	37 CB CASTING W/1.38 LEAD HOLE @ 6:00	1.000 EA
37GS1000SP	GASKET, CONDUIT BOX STD., .06 THICK LEXI	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
37EP3101A01	FR ENDPLATE, FOR ROUTING PURPOSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37PE3100A01	PUEP ASSEMBLY - ROUTING PUPROSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
07FH4007SP	PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
37CB4516	LIPPED LID FOR 37 FRAME NEC KOBX	1.000 EA
37GS1008	37 GS FOR CB LID - LEXIDE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501F21	KEY, 5/16 SQ X 2.375	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB

Parts List (continued)		
Part Number	Description	Quantity
37FN3002A01SP	EXFN, PLASTIC, 9.00 OD, 1.155 ID	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.028 GA
HA3104A17	5/16-18X13.250 T-BLT/OHIO	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0013	CONNECTION LABEL	1.000 EA
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA

Accessories		
Part Number	Description	Multiplier
37-3301	C FACE KIT	P1

AC Induction Motor Performance Data

Record # 37160 - Typical performance - not guaranteed values

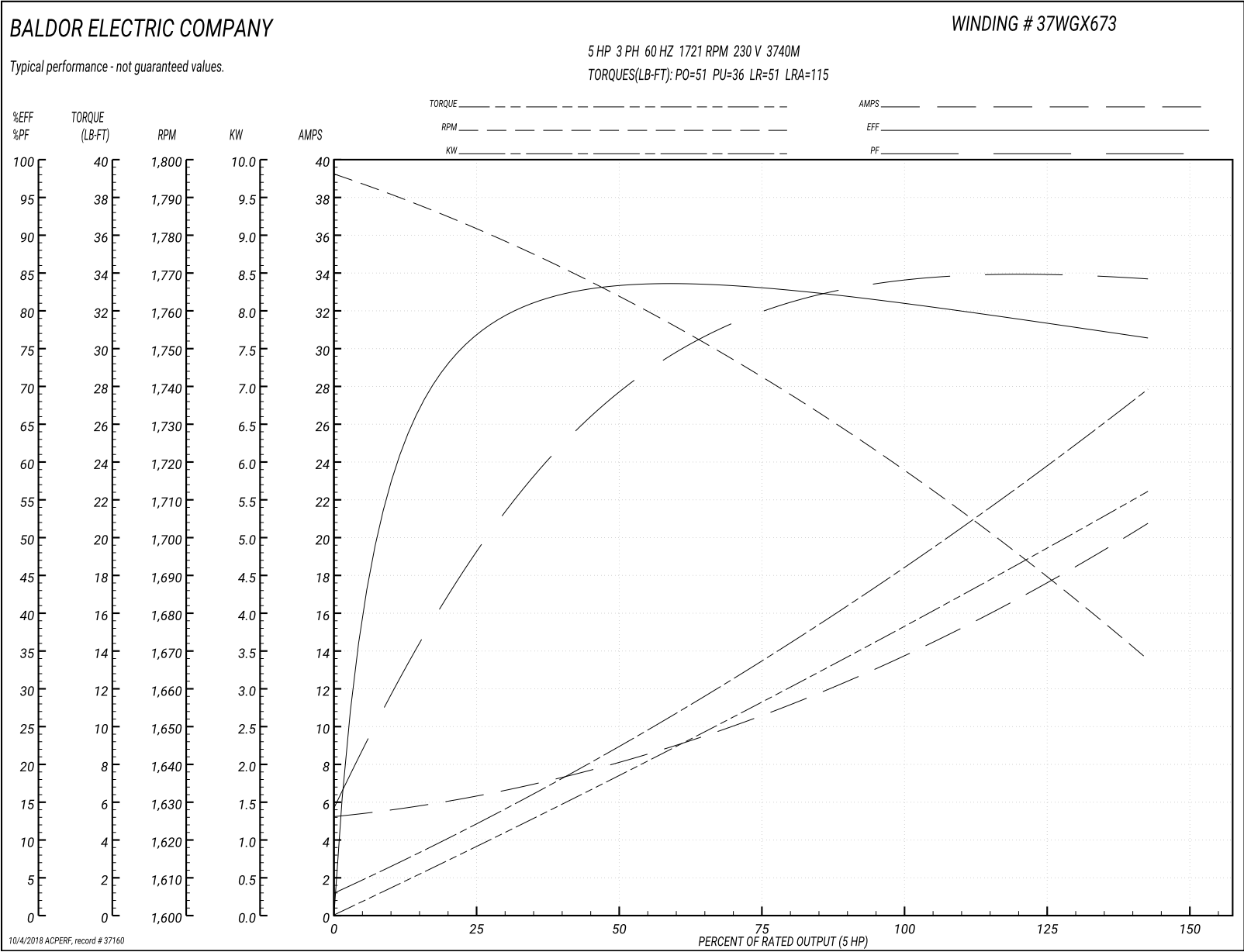
Winding: 37WGX673-R002	Type: 3740M	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: High Speed Connection	
Rated Output (HP)	5/2.2			Full Load Torque	15 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	12.8/7			Breakdown Torque	51 LB-FT
R.P.M.	1725/1140			Pull-up Torque	36 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	51 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	115 A
Service Factor (S.F.)	1.15			No-load Current	5.3 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	0.825 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	80°C
S.F. Amps				Temp. Rise @ S.F. Load	96°C

Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	51	70	80	83	85	85	84
Efficiency	75.9	82.2	83.2	81.4	79.4	76	80.2
Speed	1780	1761	1743	1721	1697	1665	1707
Line amperes	6.2	8.2	10.6	13.6	16.9	20.8	15.6

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



AC Induction Motor Performance Data

Record # 37161 - Typical performance - not guaranteed values

Winding: 37WGX673-R002	Type: 3740M	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: Low Speed Connection	
Rated Output (HP)	5/2.2			Full Load Torque	15 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	12.8/7			Breakdown Torque	51 LB-FT
R.P.M.	1725/1140			Pull-up Torque	36 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	51 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	115 A
Service Factor (S.F.)	1.15			No-load Current	5.3 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	2.15 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	80°C
S.F. Amps				Temp. Rise @ S.F. Load	95°C

Load Characteristics 230 V, 60 Hz, 2.2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	51	70	80	83	85	85	84
Efficiency	75.9	82.2	83.2	81.4	79.4	76	80.2
Speed	1780	1761	1743	1721	1697	1665	1707
Line amperes	6.2	8.2	10.6	13.6	16.9	20.8	15.6

Performance Graph at 230V, 60Hz, 2.2HP Typical performance - Not guaranteed values

