



Product Information Packet

M1226T

10/4.4HP,1740/1160RPM,3PH,60HZ,254T,3750

Part Detail							
Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGS194	CD Diagram:	CD0013	Mfg Plant:	
Mech. Spec:	37L152	Layout:	37LYL152	Poles:	04/06	Created Date:	10-06-2006
Base:	RG	Eff. Date:	11-10-2017	Leads:	6#14		

Specs			
Catalog Number:	M1226T	Insulation Class:	F
Enclosure:	OPSB	Inverter Code:	Not Inverter
Frame:	256T	KVA Code:	J
Frame Material:	Steel	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	4.400 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
	10.000 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:	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3750M
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:	12.700 A @ 460.0 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.	M1226T											
SPEC.	37L152S194											
HP	10/4.4											
VOLTS	460											
AMP	12.7/7.2											
RPM	1740/1160											
FRAME	256T				HZ		60			PH	3	
SER.F.	1.15				CODE	J	DES		B	CLASS		F
NEMA-NOM-EFF						PF						
RATING	40C AMB-CONT											
CC				USABLE AT 208V								
DE	6309				ODE		6206					
ENCL	OPSB		SN									

Parts List		
Part Number	Description	Quantity
SA148522	SA 37L152S194	1.000 EA
RA137485	RA 37L152S194	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 EA
09CB3002SP	CB W/1.38 LEAD HOLE FOR 37, 39, 307 & 30	1.000 EA
HA6429	KO BOX ADAPTER REXITE	1.000 EA
19XW2520A16	SCREW,1/4-20X1 TAPTITE-II OR ROLOC 91	2.000 EA
59XW2520G07	.25-20X.44,HEX SER WSHR,TAPTITE 2,GREEN	1.000 EA
WD1000B16	T&B CX70TN TERMINAL	1.000 EA
37EP3203A00	MASTER,ODE,206 BRG,GREASER	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3202A01	STD PULLEY EP MODEL 37 OPEN 309 BRG	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
09CB3501SP	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000 EA
51XW2520A10	.25-20 X .62, TAPTITE II, HEX WSHR SLTD	2.000 EA
HW2501G25	KEY, 3/8 SQ X 2.875	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.028 GA
HA3104A52	THRUBOLT, .31-18 X 17.000	4.000 EA
37AD2001C01	BAFFLE PLATE, PLASTIC 1.56" WIDTH	2.000 EA
LB1119N	WARNING LABEL	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LC0013	CONNECTION LABEL	1.000 EA
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA
37PA1039	PALLET PACK GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA
FE-0000001	ZRTG FE ASSEMBLY	1.000 EA

Accessories		
Part Number	Description	Multiplier
39-3400	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 23343 - Typical performance - not guaranteed values

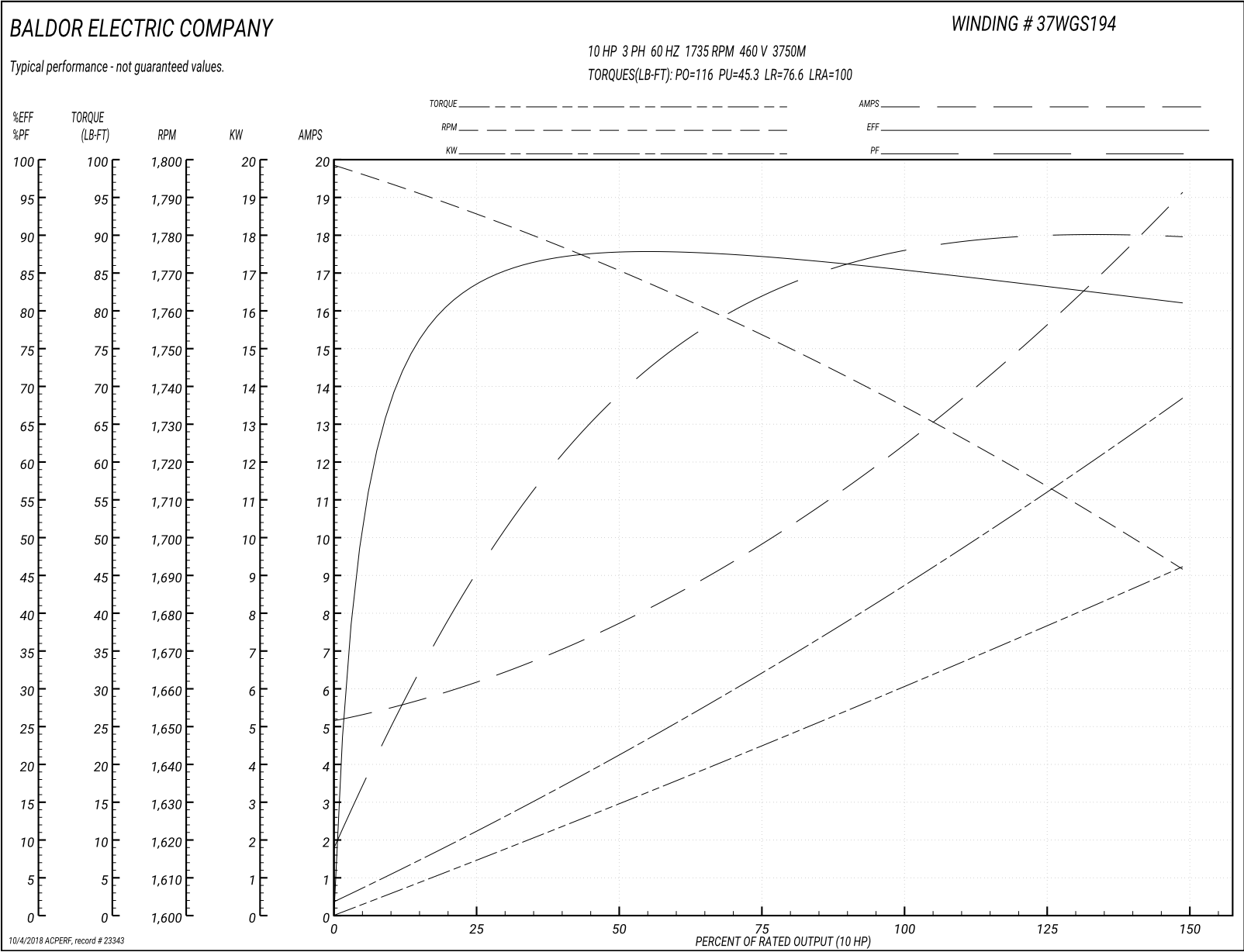
Winding: 37WGS194-R001	Type: 3750M	Enclosure: TEFC
-------------------------------	--------------------	------------------------

Nameplate Data				460 V, 60 Hz: High Speed Connection	
Rated Output (HP)	10/4.4			Full Load Torque	30.4 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	12.7/7.2			Breakdown Torque	116 LB-FT
R.P.M.	1760/1160			Pull-up Torque	45.3 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	76.6 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	100 A
Service Factor (S.F.)	1.15			No-load Current	5.34 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	1.87 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	73°C
S.F. Amps				Temp. Rise @ S.F. Load	92°C

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	46	71	81	87	89	91	88
Efficiency	82.7	87.4	87.3	85.7	83.6	80.9	84.4
Speed	1786	1770	1754	1735	1715	1691	1723
Line amperes	5.89	7.62	9.76	12.7	15.6	19	14.4

Performance Graph at 460V, 60Hz, 10.0HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 23344 - Typical performance - not guaranteed values

Winding: 37WGS194-R001	Type: 3750M	Enclosure: TEFC
-------------------------------	--------------------	------------------------

Nameplate Data				460 V, 60 Hz: Low Speed Connection	
Rated Output (HP)	10/4.4			Full Load Torque	20 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	12.7/7.2			Breakdown Torque	77.7 LB-FT
R.P.M.	1760/1160			Pull-up Torque	24.7 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	37.3 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	40.6 A
Service Factor (S.F.)	1.15			No-load Current	4.64 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	4.21 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	63°C
S.F. Amps				Temp. Rise @ S.F. Load	77°C

Load Characteristics 460 V, 60 Hz, 4.4 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	48	61	70	76	79	74
Efficiency	71.1	80.5	82.5	82.3	80.7	78.3	81.3
Speed	1190	1181	1171	1160	1146	1129	1152
Line amperes	4.82	5.34	6.12	7.17	8.42	10	7.92

Performance Graph at 460V, 60Hz, 4.4HP Typical performance - Not guaranteed values

