

BALDOR® • *RELIANCE*

Product Information Packet

EM7074T

10HP,3490RPM,3PH,60HZ,215T,3728M,XPFC,F1

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3728M	Elec. Spec:	37WGS864	CD Diagram:	CD0005
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	37H253	Layout:	37LYH253
Frame:	215T	Mounting:	F1	Poles:	02	Created Date:	11-29-2011
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	11-17-2016
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP0015XPSLEV	
NO.	<input type="text"/> CC 010A
SER.	<input type="text"/>
SPEC.	37H253S864G1
CAT.NO.	EM7074T
HP	10 T. CODE T2C
VOLTS	230/460
AMPS	23.6/11.8
RPM	3490
HZ	60 PH 3 CL B
SER.F.	1.00 DES B CODE G
RATING	40C AMB-CONT
FRAME	215T NEMA-NOM-EFF 90.2
USABLE AT 208V	PF 87
BLANK	<input type="text"/>

Parts List		
Part Number	Description	Quantity
SA234998	SA 37H253S864G1	1.000 EA
RA221962	RA 37H253S864G1	1.000 EA
36FN3000C02	EXFN, PLASTIC, 5.25 OD, 1.175 ID	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 #8 SCREW	1.000 EA
37EP1704A01	FR ENDPLATE, TEFC, CAST IRON, MACHINED	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP1701A02	PU ENDPLATE,TEFC, 1 FAN, W/GREASER, MACH	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 EA
XY5013A12	NUT,1/2-13,HEX,STEEL,ZINCPLATED	4.000 EA
37FH4000A02SP	FAN COVER, W/ PRIMER	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
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
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
NP0018F	ALUM UL XP CONDUIT BOX NAMEPLATE	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1025G29	WILKOFAS, 789.229, DARK CHARCOAL GRAY	0.028 GA

Parts List (continued)		
Part Number	Description	Quantity
HA3106A03	THRUBOLT- 1/2-13 X 11.875 X	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP0015XPSLEV	SS XP UL CSA-EEV CC CL-I GP-D	1.000 EA
37PA1039	PALLET PACK GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 50544 - Typical performance - not guaranteed values

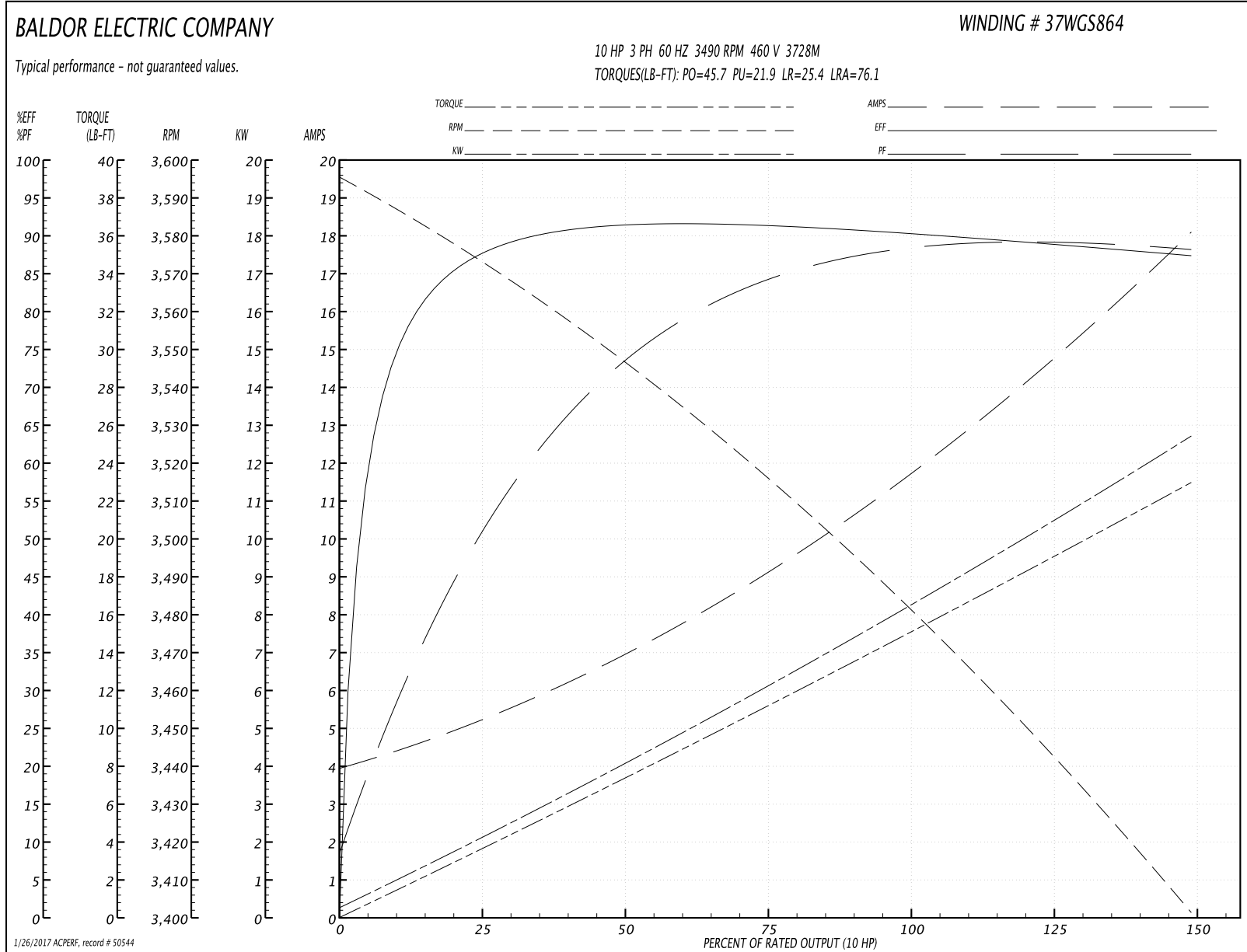
Winding: 37WGS864-R022	Type: 3728M	Enclosure: XPFC
-------------------------------	--------------------	------------------------

Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	10			Full Load Torque	15 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	23.6/11.8			Breakdown Torque	45.7 LB-FT
R.P.M.	3490			Pull-up Torque	21.9 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	25.4 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	76.1 A
Service Factor (S.F.)	1			No-load Current	4.12 A
NEMA Nom. Eff.	90.2	Power Factor	87	Line-line Res. @ 25°C	0.991 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	79°C
				Locked-rotor Power Factor	33.1
				Rotor inertia	0.255 LB-FT ²

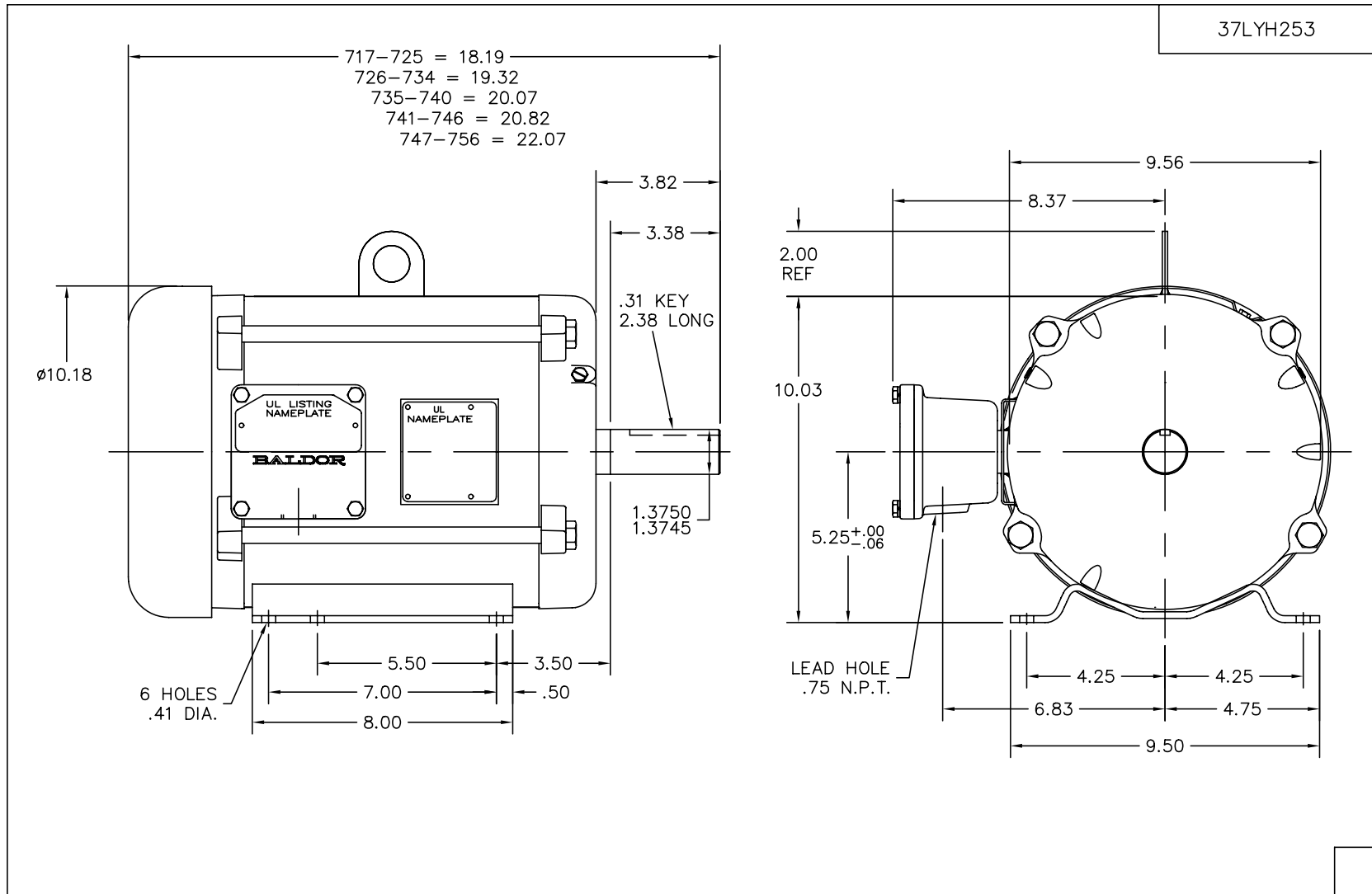
Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	53	74	84	87	89	89
Efficiency	86.7	91	91.4	90.6	89.1	87.3
Speed	3575	3547	3516	3482	3445	3401
Line amperes	4.94	6.85	9.1	11.8	14.7	18

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



1/26/2017 ACPERF, record # 50544



37LYH253

CUST. NAME		CUST. P.O.		CERTIFIED BY		MODEL		INSUL		AMB	
H.P.		MTG		TYPE		R.P.M.		VOLTS		ENCL	
PHASE		FREQ		FRAME							
REV. LTR: - BY: BGM REVISED: 10/06/99 8:36 TDR: 0191618											
BALDOR ELECTRIC Co.											
HORZ 213-5T XPFC 37M EPACT STACKS CL-1 GP-D											
REV. DESC: NEW		FILE: AAA00068799		MDL: -							
Mtl: -											

37LYH253

CD0005

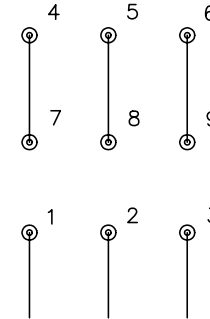


LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
9000D		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005