

BALDOR® • RELIANCE

Product Information Packet

EM3769T-8

7.5HP,3500RPM,3PH,60HZ,213T,0724M,TEFC,F

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0724M	Elec. Spec:	07WGY364	CD Diagram:	CD0006
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	07H002	Layout:	07LYH002
Frame:	213T	Mounting:	F1	Poles:	02	Created Date:	09-24-2012
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	08-15-2013
Leads:	3#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1259L									
CAT.NO.	EM3769T-8								
SPEC.	07H002Y364G1								
HP	7.5								
VOLTS	200								
AMP	21								
RPM	3500								
FRAME	213T	HZ			60	PH		3	
SER.F.	1.15	CODE			H	DES		B	CL F
NEMA-NOM-EFF	89.5	PF			85				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V							
DE	6307	ODE			6206				
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA251648	SA 07H002Y364G1	1.000 EA
RA238485	RA 07H002Y364G1	1.000 EA
36FN3000C02	EXFN, PLASTIC, 5.25 OD, 1.175 ID	1.000 EA
S/P107-000-001	SUPER E PROC'S-FS, WS & CK PLTS	1.000 EA
HW3201A05	3/8-16 EYEBOLT	1.000 EA
09CB3002SP	CB W/1.38 LEAD HOLE FOR 37, 39, 307 & 30	1.000 EA
09GS1000SP	GASKET-CONDUIT BOX, 1/16 THICK LEXIDE	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
WD1000B17	T&B CX35TN TERMINAL	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
37EP1100A41	FR ENDPLATE MACH FOR GREASER & RELIEF	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP1101A22	PU ENDPLATE, MACH	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
07FH4007SP	IEC FH W/GRSR, NOTCH @ 6:00 & 3 FAN CVR	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
09CB3501SP	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000 EA
09GS1013SP	09 GS FOR 09CB3501 LID - LEXIDE	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HW2501F21	KEY, 5/16 SQ X 2.375	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
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
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
HA3104A32	THRUBOLT- 5/16-18 X12.750	4.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.036 GA
LB1119N	WARNING LABEL	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LC0006	CONNECTION LABEL	1.000 EA
NP1259L	ALUM SUPER-E UL CSA-EEV CC NEMA PREMIUM	1.000 EA
07PA1011	PKG GRP, 07 CAST IRON PK1181	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

Accessories		
Part Number	Description	Multiplier
37-1304	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 39894 - Typical performance - not guaranteed values

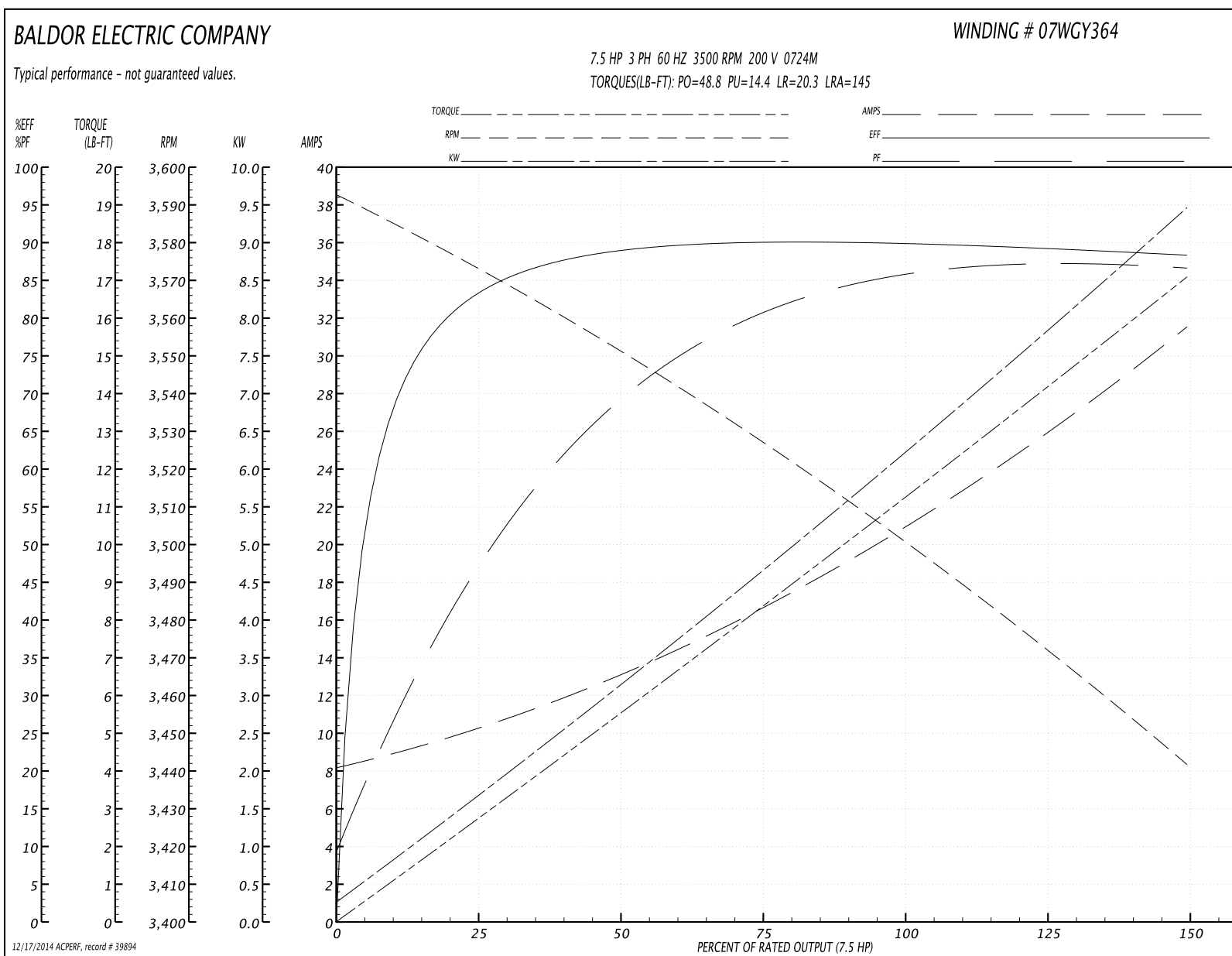
Winding: 07WGY364-R001	Type: 0724M	Enclosure: TEFC
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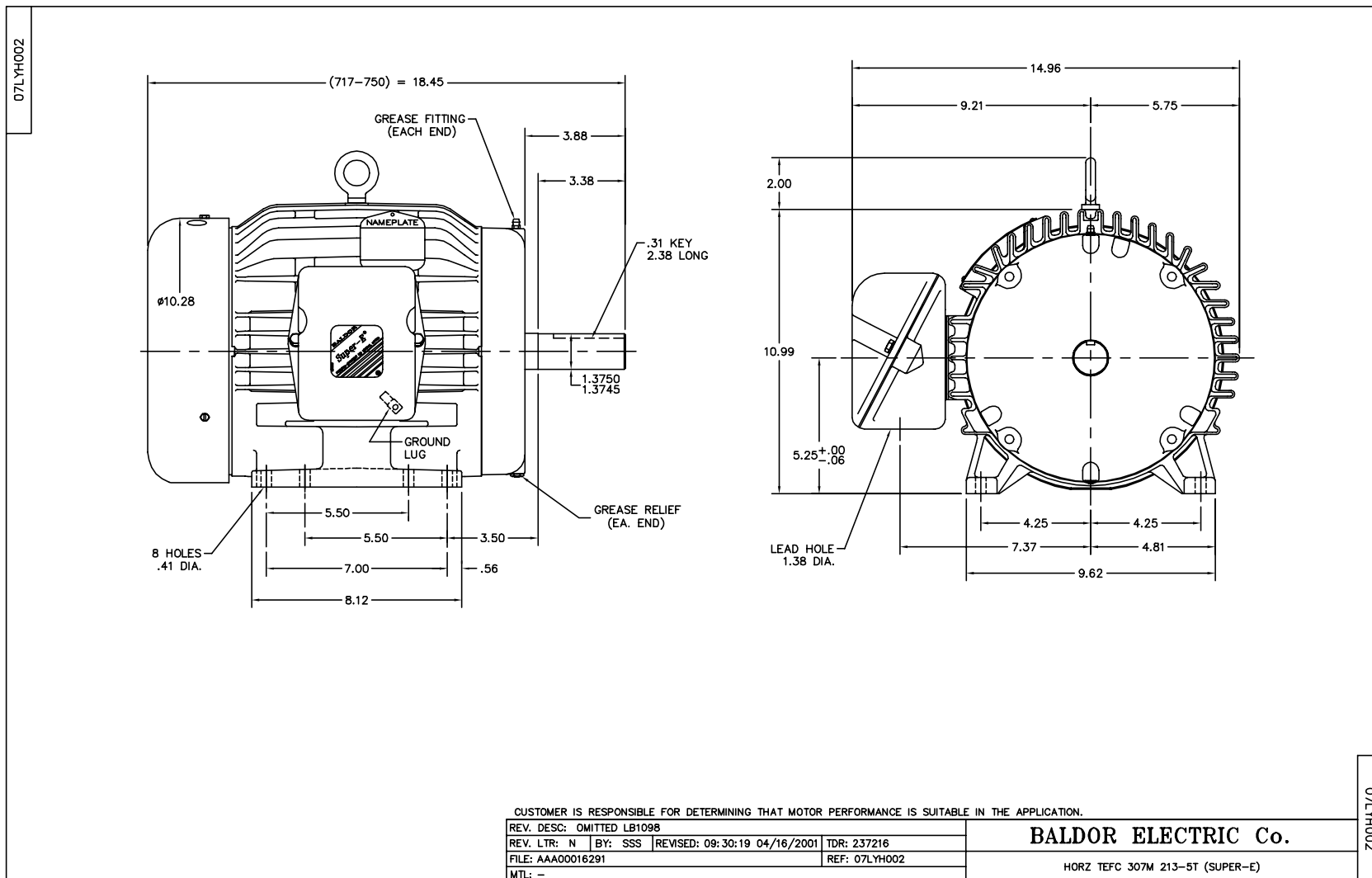
Nameplate Data				200 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	7.5			Full Load Torque	11.2 LB-FT
Volts	200			Start Configuration	direct on line
Full Load Amps	21			Breakdown Torque	48.8 LB-FT
R.P.M.	3500			Pull-up Torque	14.4 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	20.3 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	145 A
Service Factor (S.F.)	1.15			No-load Current	8.5 A
NEMA Nom. Eff.	89.5	Power Factor	85	Line-line Res. @ 25°C	0.235 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	47°C
S.F. Amps				Temp. Rise @ S.F. Load	57°C
				Rotor inertia	0.219 LF ²

Load Characteristics 200 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	49	71	80	85	87	87	86
Efficiency	83.2	88.9	90.3	89.8	89.3	88.4	89.5
Speed	3574	3552	3527	3500	3473	3442	3484
Line amperes	9.87	12.8	16.8	21.1	26	31.3	24

Performance Graph at 200V, 60Hz, 7.5HP Typical performance - Not guaranteed values





CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: D

BY: JLP

REVISED: 01/21/99 4:02

TDR: 0171435

9000D

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006