

BALDOR® • RELIANCE

Product Information Packet

WALKER INDUSTRIAL PRODUCTS, INC.

EM3714T-8

10HP,1770RPM,3PH,60HZ,215T,3752M,TEFC,F1

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3752M	Elec. Spec:	37WGR082	CD Diagram:	CD0006
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37A001	Layout:	37LYA001
Frame:	215T	Mounting:	F1	Poles:	04	Created Date:	08-07-2015
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	11-02-2015
Leads:	3#10					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3441L							
CAT.NO.	EM3714T-8						
SPEC.	37A001R082G1						
HP	10						
VOLTS	200						
AMP	28.6						
RPM	1770						
FRAME	215T	HZ	60	PH	3		
SER.F.	1.15	CODE	K	DES	A	CL	F
NEMA-NOM-EFF	91.7	PF	82				
RATING	40C AMB-CONT						
CC	010A	USABLE AT 208V					
DE	6307	ODE	6206				
ENCL	TEFC	SN					
VPWM INVERTER READY							
CT6-60H(10:1)VT3-60H(20:1							
	SFA 32.9						

AC Induction Motor Performance Data

Record # 46159 - Typical performance - not guaranteed values

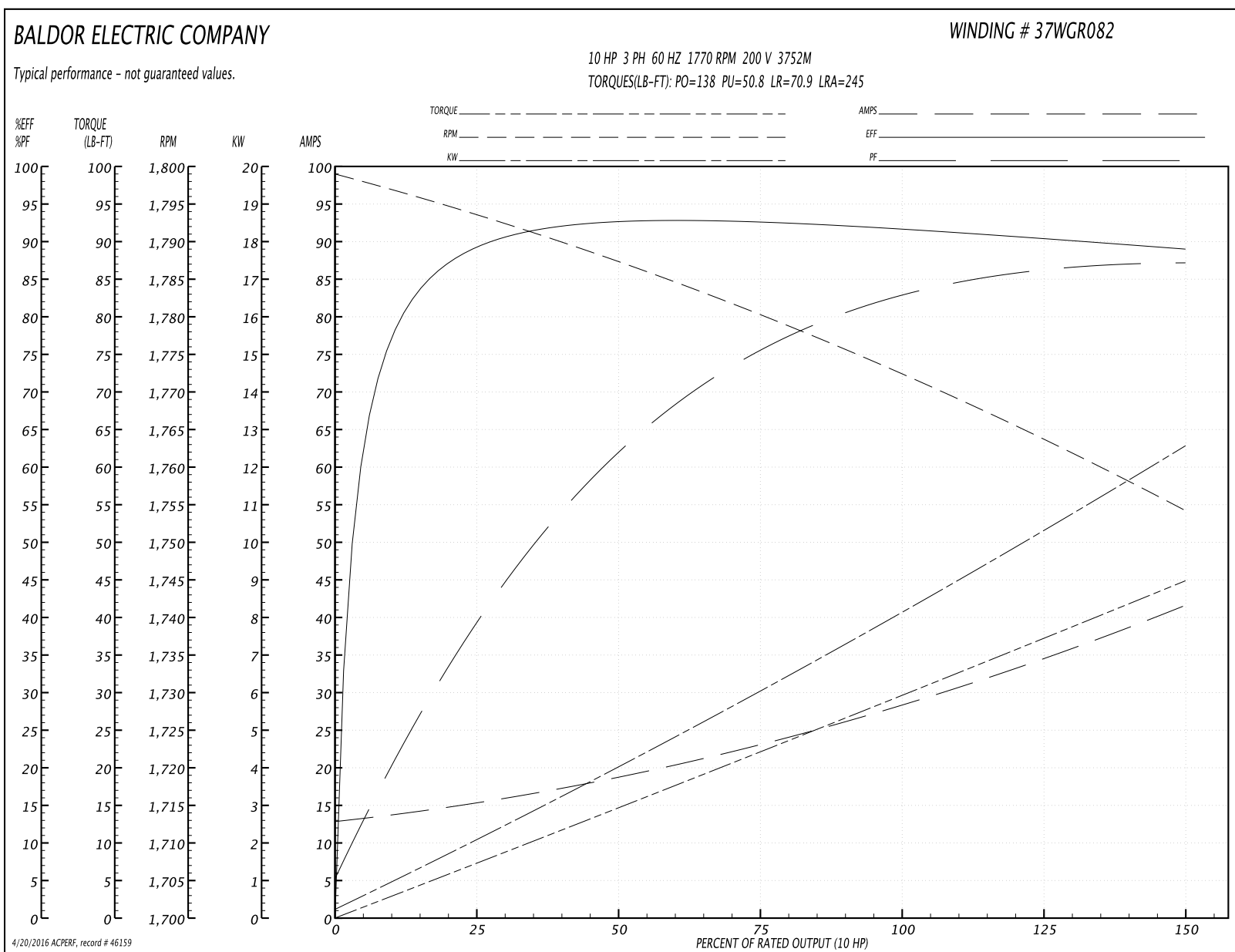
Winding: 37WGR082-R002	Type: 3752M	Enclosure: TEFC
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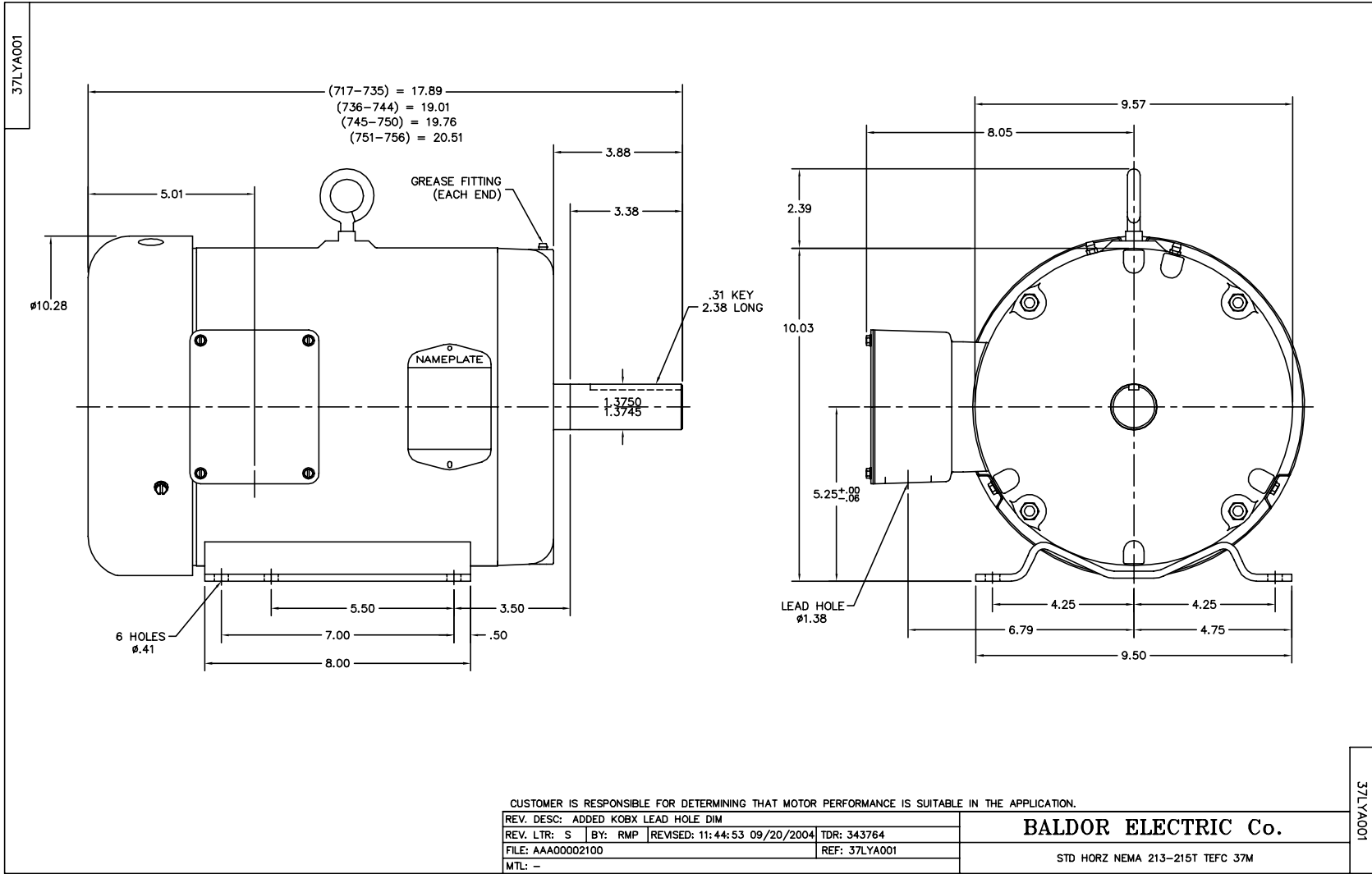
Nameplate Data				200 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	10			Full Load Torque	29.5 LB-FT
Volts	200			Start Configuration	direct on line
Full Load Amps	28.6			Breakdown Torque	138 LB-FT
R.P.M.	1770			Pull-up Torque	50.8 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	70.9 LB-FT
NEMA Design Code	A	KVA Code	K	Starting Current	245 A
Service Factor (S.F.)	1.15			No-load Current	13.3 A
NEMA Nom. Eff.	91.7	Power Factor	82	Line-line Res. @ 25°C	0.174 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	64°C
S.F. Amps				Temp. Rise @ S.F. Load	78°C
				Rotor inertia	1.28 LB-FT ²

Load Characteristics 200 V, 60 Hz, 10 HP

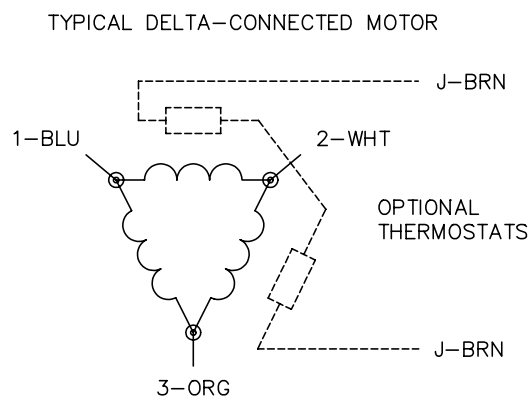
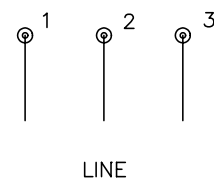
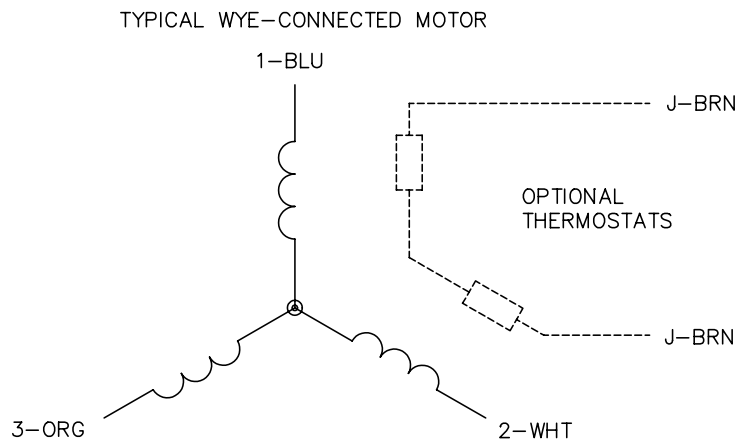
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	41	63	75	82	85	88	84
Efficiency	88.2	92	92.7	91.9	90.8	88.8	91.2
Speed	1794	1787	1780	1773	1764	1754	1768
Line amperes	14.7	18.4	23.2	28.6	34.7	41.3	32.3

Performance Graph at 200V, 60Hz, 10.0HP 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

90000D

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

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

CD0006