

BALDOR® • RELIANCE

Product Information Packet

CEWDM23994T

15HP,3500RPM,3PH,60HZ,254TC,3752M,TEFC,F

Part Detail							
Revision:	X	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3752M	Elec. Spec:	37WGT381	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37H882	Layout:	37LYH882
Frame:	254TC	Mounting:	F1	Poles:	02	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	08-26-2016
Leads:	9#12					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1669L

CAT.NO.	CEWDM23994T										
SPEC.	37H882T381G1										
HP	15										
VOLTS	230/460										
AMP	33.2/16.6										
RPM	3500										
FRAME	254TC				HZ		60			PH	3
SER.F.	1.15			CODE	K	DES		A		CLASS	F
NEMA-NOM-EFF	91			PF	90						
RATING	40C AMB-CONT										
CC	010A			USABLE AT 208V						36.4	
DE	6309			ODE		6206					
ENCL	TEFC			SN							
BLANK											

Parts List		
Part Number	Description	Quantity
SA084747	SA 37H882T381G1	1.000 EA
RA077907	RA 37H882T381G1	1.000 EA
37FN3002C01	EXFN, PLASTIC, 6.00 OD, 1.155 ID	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
37CB3005A04W	CASTING W/.75 NPT@6(MACH WHITE)	1.000 EA
37GS1025	37 MOLDED GASKET W/LIP, LEAD SEAL	1.000 EA
10XN2520A10	1/4-20X 5/8 HEX HD X	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
37EP3101A59MW	WHITE EPOXY EP MACH COMPL	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3401T08MW	FACE MT EP, ENCL, 213TC-215TC, W/WHITE E	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW4600B53	SEAL 1.688 X 2.275 X 0.312 SINGLE LIP DB	1.000 EA
10XN2520S36	1/4-20X 2 1/4 HEX HD SS	4.000 EA
HA3104S25	THRUBOLT-5/16-18X14.75 SS	4.000 EA
XY3118S12	5/16-18 HEX NUT, STAINLESS STEEL	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
07FH4011	WASHDOWN IEC FH W/PRIMED	1.000 EA
11XW1032S06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	3.000 EA
37CB4512	CONDUIT BOX LID FOR WASHDOWN 37 FRAME	1.000 EA
37GS1008A02	37 GS FOR CB LID - WHITE NEOPRENE	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
59XN0832S07	8/32 X 7/16 HX WS HD SER X	4.000 EA
HW4600B36SP	V-RING SLINGER 1.188 X 1.690 X .24 VITON	1.000 EA
HW4600B44	V-RING SLINGER 1.500 X 1.810 X .28 VITON	1.000 EA
HW2502G25	#303 SS,SQ KEY 3/8 X 2.880	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025W01	WILKOFAS, 781.01, SIGNAL WHITE #9003	0.028 GA
MG1025Z02	ACTIVATOR WILKOFAS 060.02HF	0.010 GA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP1669L	SS WD SUPER-E UL CSA-EEV PREM REV MTG	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 # 33531 - Typical performance - not guaranteed values

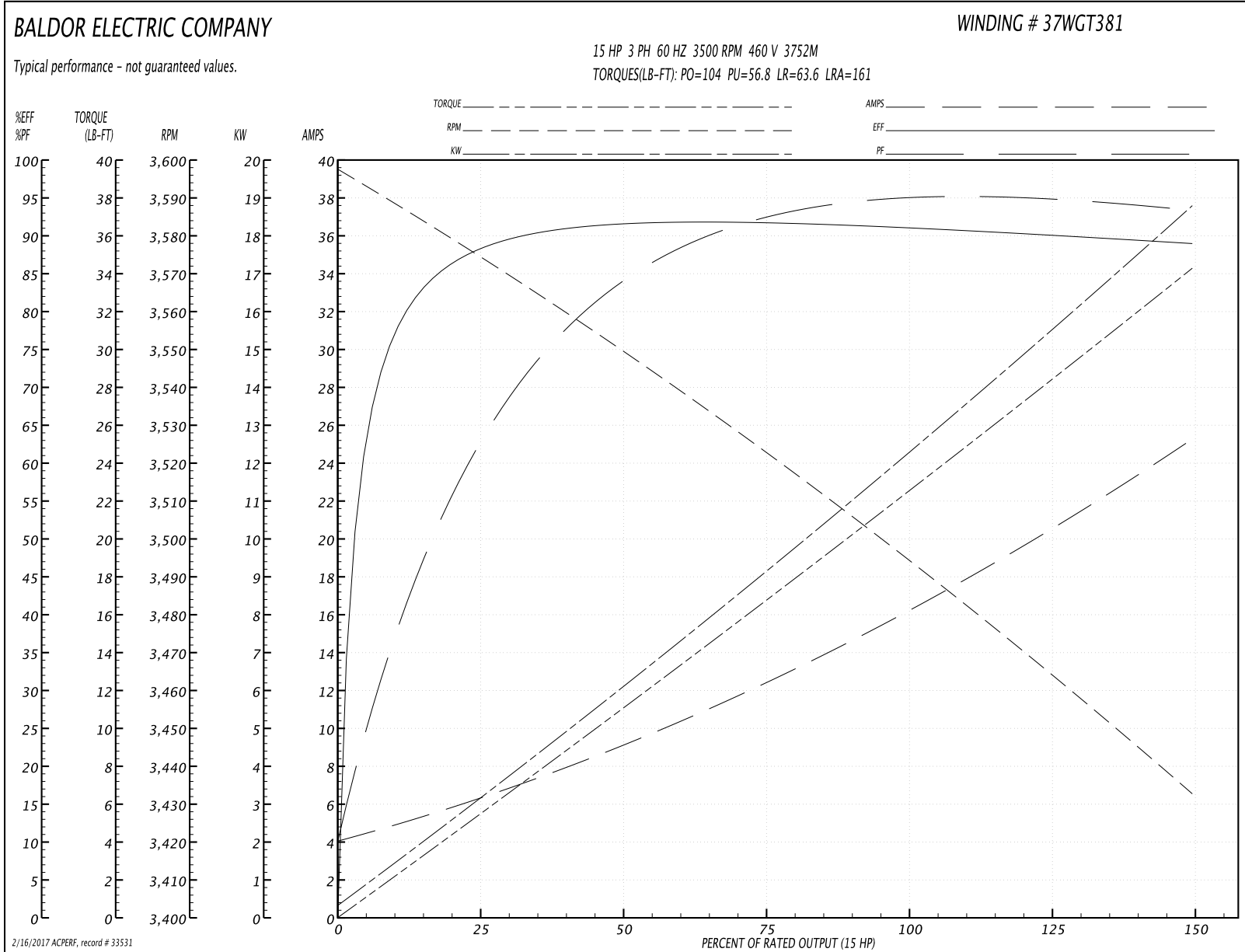
Winding: 37WGT381-R001	Type: 3752M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	15			Full Load Torque	22.5 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	33.2/16.6			Breakdown Torque	104 LB-FT
R.P.M.	3500			Pull-up Torque	56.8 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	63.6 LB-FT
NEMA Design Code	A	KVA Code	K	Starting Current	161 A
Service Factor (S.F.)	1.15			No-load Current	4.43 A
NEMA Nom. Eff.	91	Power Factor	90	Line-line Res. @ 25°C	0.51091 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	70°C
S.F. Amps				Temp. Rise @ S.F. Load	87°C
				Locked-rotor Power Factor	31
				Rotor inertia	0.475 LB-FT ²

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	69	87	92	93	94	94	94
Efficiency	88.8	92	92.1	91.5	90.4	89	90.8
Speed	3573.5	3549.1	3521.8	3495.3	3464.8	3432.8	3477
Line amperes	5.91	8.94	12.6	16.5	20.6	25	19

Performance Graph at 460V, 60Hz, 15.0HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 35776 - Typical performance - not guaranteed values

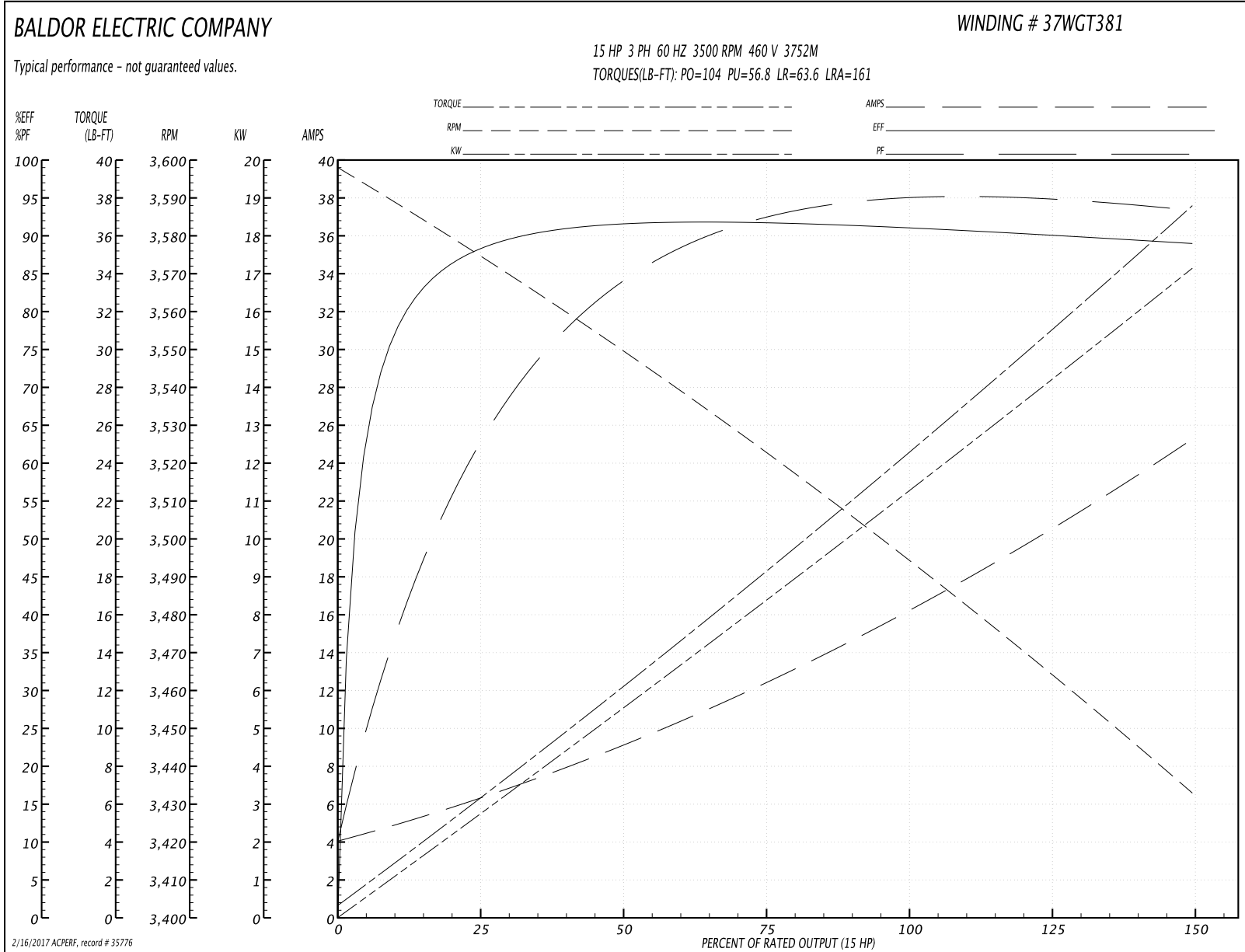
Winding: 37WGT381-R007	Type: 3752M	Enclosure: TEFC
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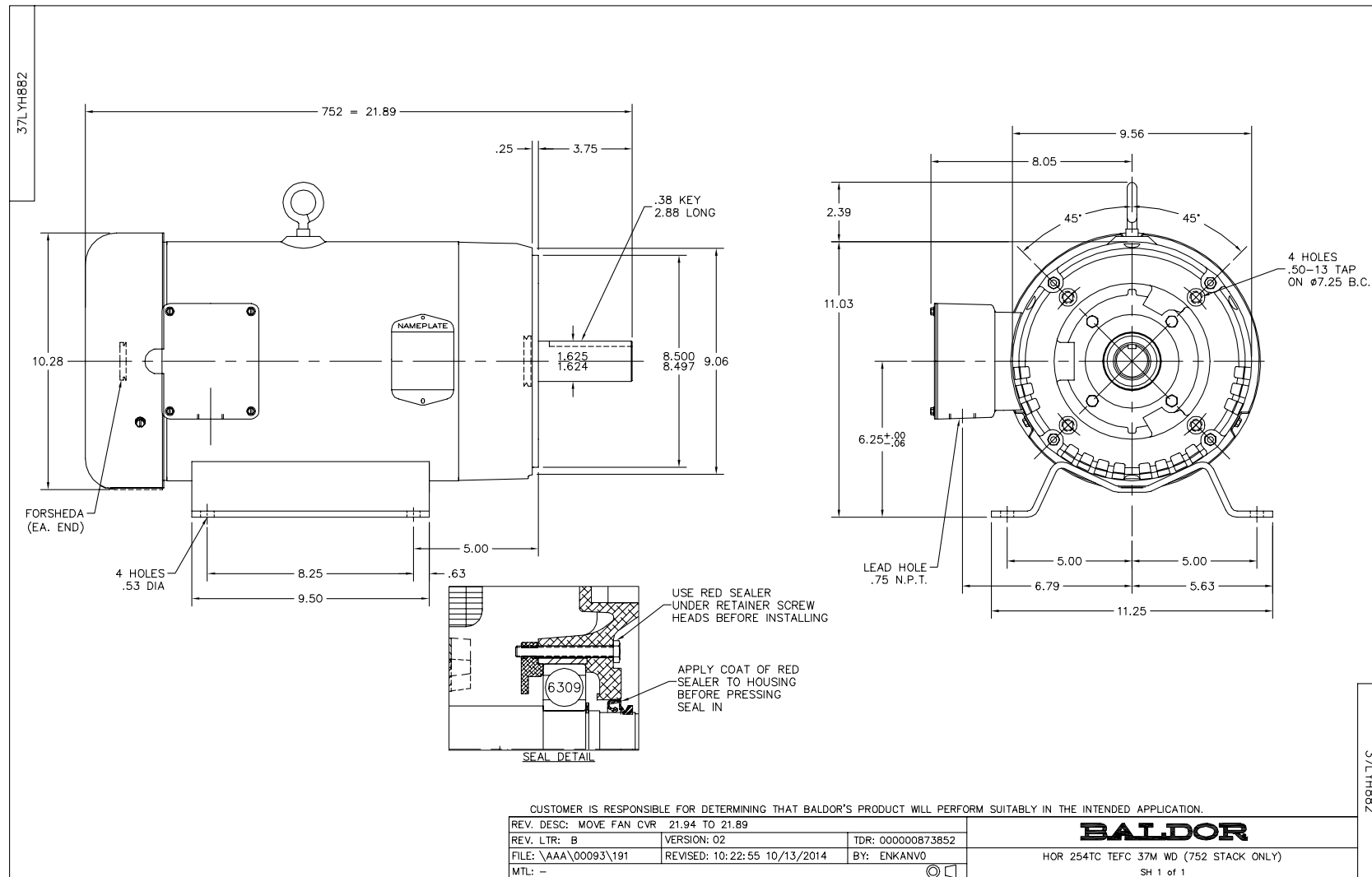
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	15			Full Load Torque	22.5 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	33.2/16.6			Breakdown Torque	104 LB-FT
R.P.M.	3500			Pull-up Torque	56.8 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	63.6 LB-FT
NEMA Design Code	A	KVA Code	K	Starting Current	161 A
Service Factor (S.F.)	1.15			No-load Current	4.43 A
NEMA Nom. Eff.	91	Power Factor	90	Line-line Res. @ 25°C	0.479 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	70°C
S.F. Amps				Temp. Rise @ S.F. Load	87°C
				Locked-rotor Power Factor	31
				Rotor inertia	0.475 LB-FT ²

Load Characteristics 460 V, 60 Hz, 15 HP

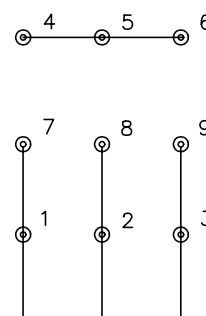
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	69	87	92	93	94	94	94
Efficiency	88.3	91.5	91.8	91.2	90.1	89	90.5
Speed	3574	3549	3522	3495	3465	3433	3477
Line amperes	5.91	8.94	12.6	16.5	20.6	25	19

Performance Graph at 460V, 60Hz, 15.0HP Typical performance - Not guaranteed values

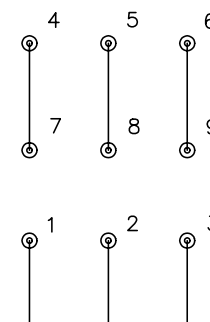




CD0005


 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

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005