

BALDOR® • RELIANCE

Product Information Packet

CEWAM3704T

3HP,1160RPM,3PH,60HZ,213TC,3739M,TEFC,F1

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3739M	Elec. Spec:	37WGS519	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37J961	Layout:	37LYJ961
Frame:	213TC	Mounting:	F1	Poles:	06	Created Date:	03-26-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	11-01-2013
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1260E									
CAT.NO.	CEWAM3704T								
SPEC.	37J961S519G1								
HP	3								
VOLTS	208-230/460								
AMP	9.6-9.2/4.6								
RPM	1160								
FRAME	213TC	HZ			60	PH		3	
SER.F.	1.15	CODE			L	DES		B	CL F
NEMA-NOM-EFF	89.5	PF			68				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V							
DE	6307	ODE			6206				
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA192902	SA 37J961S519G1	1.000 EA
RA180527	RA 37J961S519G1	1.000 EA
37FN3002C01	EXFN, PLASTIC, 6.00 OD, 1.155 ID	1.000 EA
S/P107-000-001	SUPER E PROC'S-FS, WS & CK PLTS	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
37CB1000A17A	37 KOBX W/ .75 NPT @ 6: W/ AUTOPHORETIC	1.000 EA
37GS1016B01	SANTOPRENE KOBX GASKET W/LIP (BLACK)	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
37EP1100C05A	FRONT TEFC 206 BRG WD3 W/ CLIPPER (AUTOP	1.000 EA
HW4606A03	JM CLIPPER/SEAL (LWE-1156-1875-AL44)	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP1300A95A	PULLEY 213-5TC ENCL 307 BRG WD3 W/ AUTOP	1.000 EA
HW4606A04	JM CLIPPER/SEAL (LWE-1376-2125-AL45)	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
10XN2520S28	1/4-20X 1 3/4 HEX HD SS X	4.000 EA
XY3118S12	5/16-18 HEX NUT, STAINLESS STEEL	4.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
07FH4011	WASHDOWN IEC FH W/AUTOPHORETIC PRIMER	1.000 EA
10XN1032S08	10-32X1/2 HEX HEAD S STL	3.000 EA
36CB4518	36 LIPPED CB LID AUTOPHORETIC	1.000 EA
37GS1003	1/16 NEOPRENE GASKET-BLACK, CONDUIT BOX	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
59XN0832S07	8/32 X 7/16 HX WS HD SER X	4.000 EA
HW2502F21	#303 SS,SQ KEY 5/16 X 2.375	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 EA
MG1025A01	PAINT, 770.02 WILKOFASST CLEAR EPOXY	0.010 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
MJ5001A23	P.D. GEORGE B-276 AIR DRY VARNISH	0.001 GA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
HA3104S17	THRUBOLT 13.250LG SS	4.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP1260E	SS CP SUPER-E UL CSA CC	1.000 EA
37PA1052	PALLET PACK GRP, 150 LB MTR 2 X 4 RUNNER	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

AC Induction Motor Performance Data

Record # 30695 - Typical performance - not guaranteed values

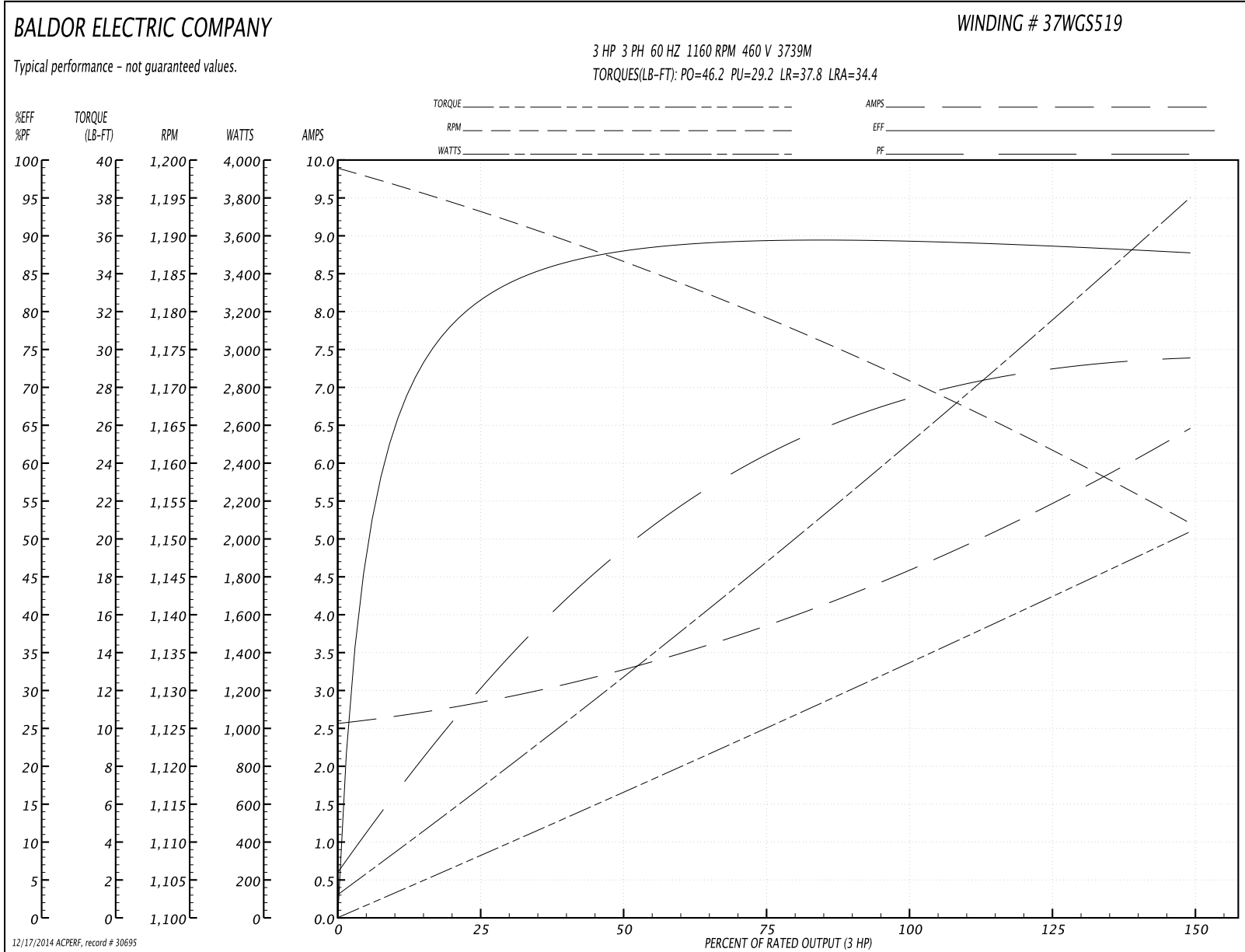
Winding: 37WGS519-R001	Type: 3739M	Enclosure: TEFC
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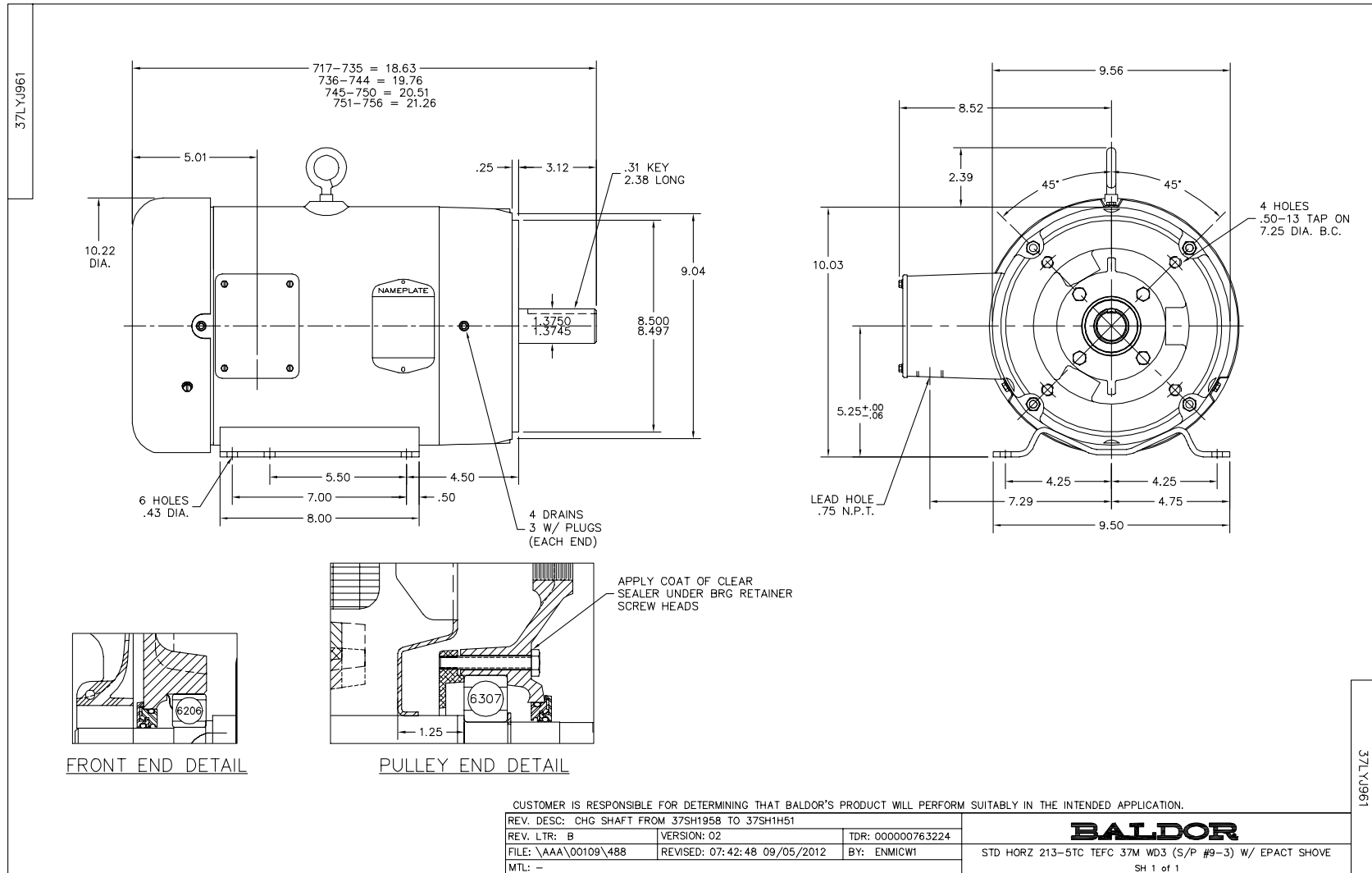
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	3			Full Load Torque	13.4 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	9.6-9.2/4.6			Breakdown Torque	46.2 LB-FT
R.P.M.	1160			Pull-up Torque	29.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	37.8 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	34.4 A
Service Factor (S.F.)	1.15			No-load Current	2.6 A
NEMA Nom. Eff.	89.5	Power Factor	68	Line-line Res. @ 25°C	2.5761 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	37°C
S.F. Amps				Temp. Rise @ S.F. Load	44°C
				Rotor inertia	0.97 LF ²

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	49	61	68	72	74	70
Efficiency	81	87.7	89.4	89.5	88.8	87.7	89.1
Speed	1194	1185.9	1178.9	1171.9	1161.8	1151.7	1166
Line amperes	2.79	3.24	3.85	4.61	5.49	6.44	5.14

Performance Graph at 460V, 60Hz, 3.0HP Typical performance - Not guaranteed values

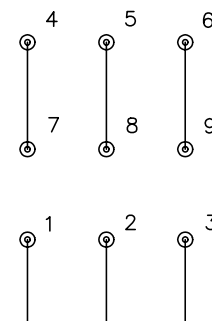




CD0005

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