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Product Information Packet

CEM3771T-5

10HP,3490RPM,3PH,60HZ,215TC,0729M,TEFC,F

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Part Detail							
Revision:	J	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Prod. Type:**	0730M	**Elec. Spec:**	07WGY278	**CD Diagram:**	CD0006
Enclosure:	TEFC	**Mfg Plant:**		**Mech. Spec:**	07H058	**Layout:**	07LYH058
Frame:	215TC	**Mounting:**	F1	**Poles:**	02	**Created Date:**	01-27-2012
Base:	RG	**Rotation:**	R	**Insulation:**	F	**Eff. Date:**	08-17-2016
Leads:	3#14					**Replaced By:**	
Literature:		**Elec. Diagram:**					

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Nameplate NP3441L

CAT.NO.	CEM3771T-5								
SPEC.	07H058Y278G1								
HP	10								
VOLTS	575								
AMP	9.3								
RPM	3490								
FRAME	215TC		**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	G	**DES**	B	**CL**	F		
NEMA-NOM-EFF	90.2	**PF**	87						
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									

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Parts List

Part Number	Description	Quantity
SA238144	SA 07H058Y278G1	1.000 EA
RA225071	RA 07H058Y278G1	1.000 EA
36FN3000C02	EXFN, PLASTIC, 5.25 OD, 1.175 ID	1.000 EA
HW3201A05	3/8-16 EYEBOLT	1.000 EA
09CB3002	CB W/1.38 LEAD HOLE FOR 37, 39, 307 & 30	1.000 EA
09GS1000	GASKET-CONDUIT BOX, 1/16 THICK LEXIDE	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
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 EA
37FE1100A41	FR ENDPLATE ASSEMBLY FOR ROUTING	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
37PE1300A10	PUEP ASSEMBLY FOR ROUTING	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
10XN2520A30	HEX HD CAP SCREW-STD THD-.25 X 20 THD PE	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
07FH4007	PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
09CB3501	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000 EA
09GS1013	09 GS FOR 09CB3501 LID - LEXIDE	1.000 EA

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Parts List (continued)

Part Number	Description	Quantity
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 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	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
HA3104A32	THRUBOLT- 5/16-18 X12.750	4.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.036 GA
LB1119N	WARNING LABEL	1.000 EA
LC0006	CONNECTION LABEL	1.000 EA
NP3441L	ALUM SUPER-E VPWM INVERTER READY UL	1.000 EA
07PA1011	PKG GRP, 07 CAST IRON PK1181	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

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AC Induction Motor Performance Data

Record # 36756 - Typical performance - not guaranteed values

Winding: 07WGY278-R001	**Type:** 0730M	**Enclosure:** TEFC

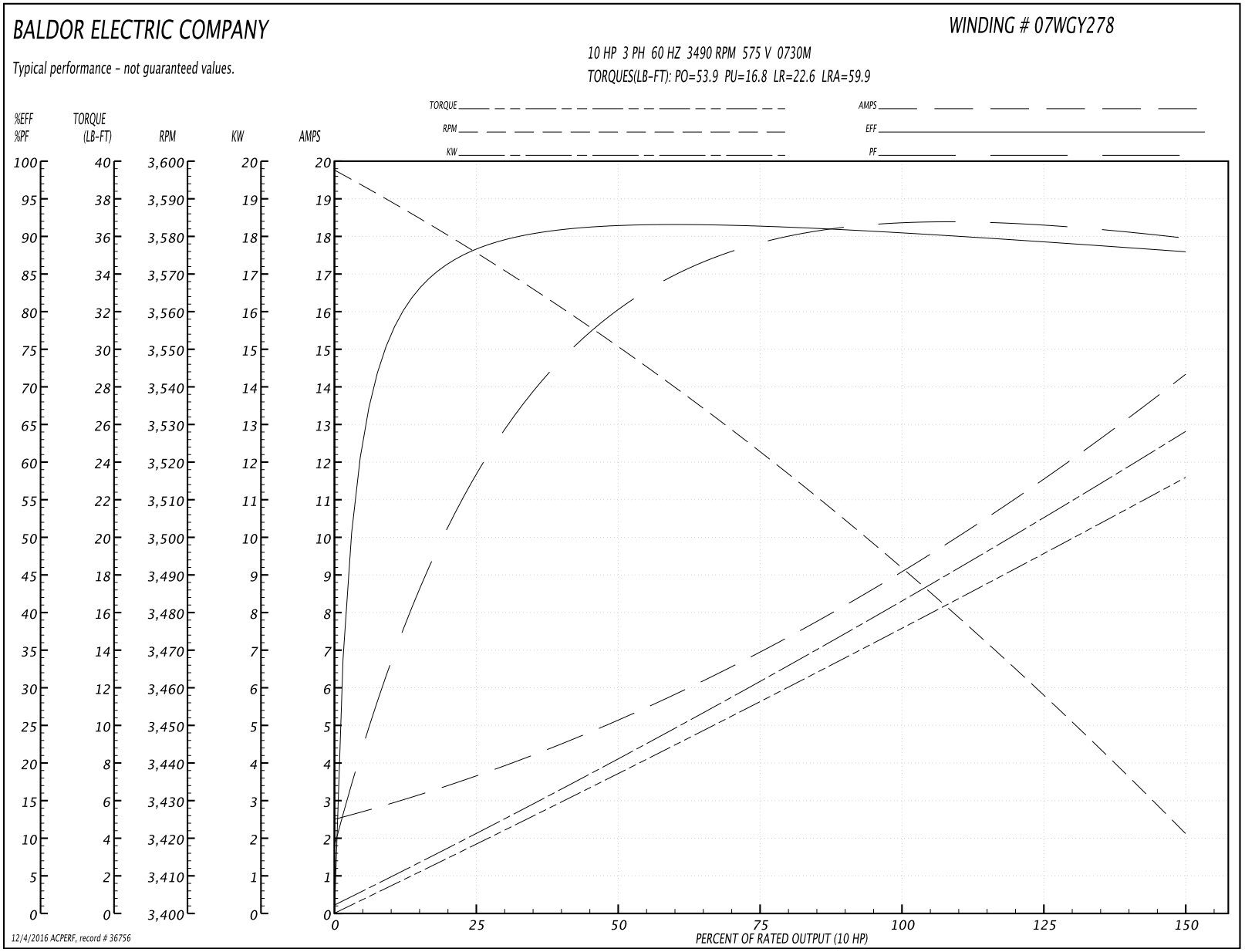
Nameplate Data				575 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	10			Full Load Torque	15.1 LB-FT
Volts	575			Start Configuration	direct on line
Full Load Amps	9.3			Breakdown Torque	53.9 LB-FT
R.P.M.	3490			Pull-up Torque	16.8 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	22.6 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	59.9 A
Service Factor (S.F.)	1.15			No-load Current	2.68 A
NEMA Nom. Eff.	90.2	Power Factor	87	Line-line Res. @ 25ºC	1.71 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	64°C
S.F. Amps				Temp. Rise @ S.F. Load	80°C
				Locked-rotor Power Factor	33
				Rotor inertia	0.273 LB-FT2

Load Characteristics 575 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	63	82	89	91	91	91	90
Efficiency	88.4	91.7	91.4	90.5	89.2	88.1	90.1
Speed	3575	3549	3522	3493	3459	3421	3476
Line amperes	3.45	5.1	7.05	9.18	11.6	14.2	10.7

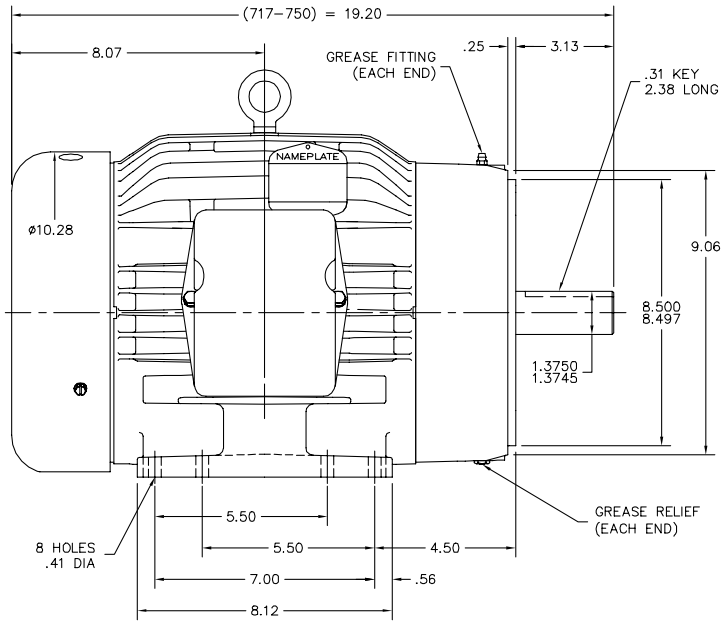
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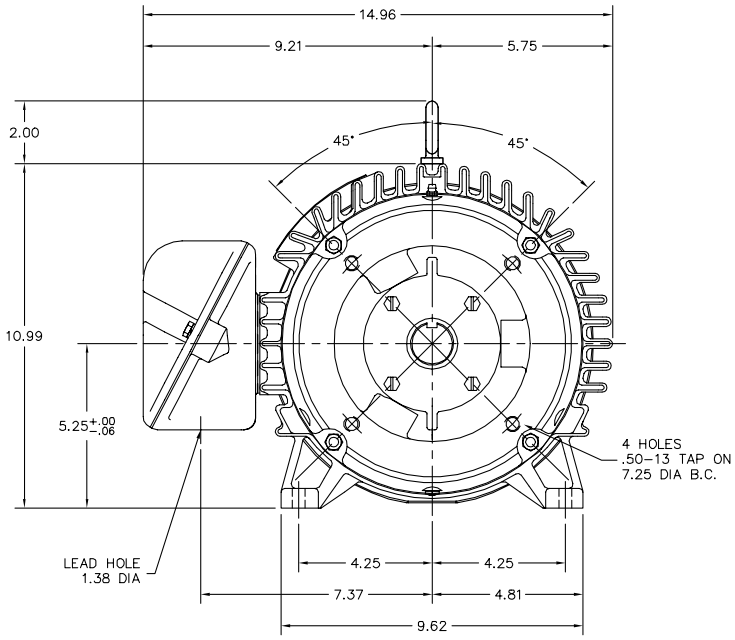
Performance Graph at 575V, 60Hz, 10.0HP Typical performance - Not guaranteed values



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07LYH058





07LYH058

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: OMIT GROUND LUG FROM LAYOUT		
REV. LTR: M	VERSION: 03	TDR: 000000569767
FILE: \AAA\00016\842	REVISED: 08:57:45 12/03/2010	BY: ENMATR0
MTL: –		

BALDOR

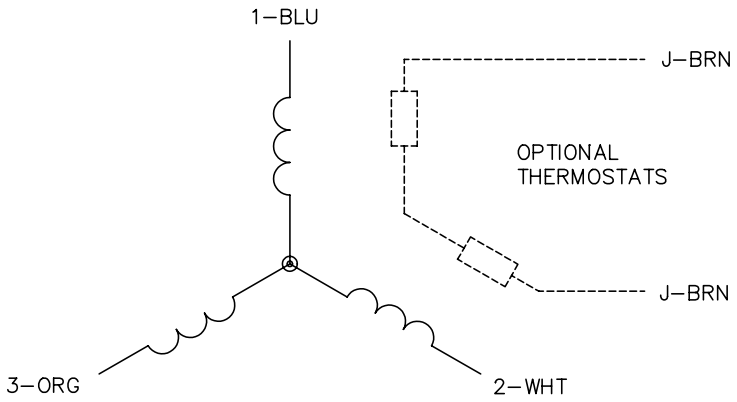
HORZ 213-5TC TEFC 307M SUPER-E

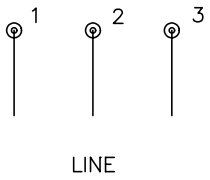
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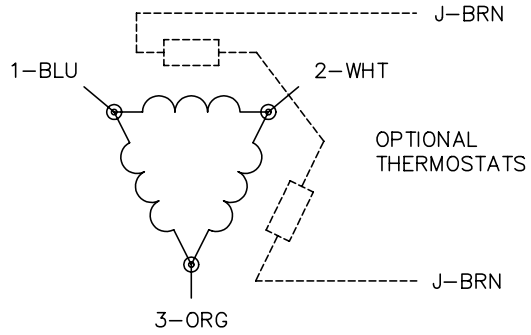
CD0006

TYPICAL WYE–CONNECTED MOTOR





TYPICAL DELTA–CONNECTED MOTOR



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			BALDOR ELECTRIC Co.
REV. LTR: D	BY: JLP	REVISED: 01/21/99 4:02	TDR: 0171435
9000CD		FILE: AAA00005141	MDL: –
		MTL: –	3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006

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