BALDOR
A MEMBER OF THE ABB GROUP

BALDOR • RELIANCE

Product Information Packet

CEM3768T

5HP,1160RPM,3PH,60HZ,215TC,0746M,TEFC,F1

Copyright © All product information within this document is subject to Baldor Electric Company copyright © protection, unless otherwise noted.

Part Detail							
Revision:	H	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Prod. Type:**	0746M	**Elec. Spec:**	07WGY763	**CD Diagram:**	CD0005
Enclosure:	TEFC	**Mfg Plant:**		**Mech. Spec:**	07H058	**Layout:**	07LYH058
Frame:	215TC	**Mounting:**	F1	**Poles:**	06	**Created Date:**	06-16-2010
Base:	RG	**Rotation:**	R	**Insulation:**	F	**Eff. Date:**	10-16-2015
Leads:	9#14					**Replaced By:**	
Literature:		**Elec. Diagram:**					

BALDOR A MEMBER OF THE ABB GROUP

Nameplate NP3441LUA

CAT.NO.	CEM3768T								
SPEC.	07H058Y763G1								
HP	5								
VOLTS	230/460								
AMP	14.8/7.4								
RPM	1160								
FRAME	215TC	**HZ**	60			**PH**	3		
SER.F.	1.15	**CODE**	K	**DES**	A	**CL**	F		
NEMA-NOM-EFF	89.5	**PF**	71						
RATING	40C AMB-CONT								
CC	010A	**USABLE AT 208V**	15.3						
DE	6307	**ODE**	6206						
ENCL	TEFC	**SN**							
VPWM INVERTER READY									
CT6-60H(10:1)VT3-60H(20:1									
	50Hz 5HP 190/380V 17.2/8.6A								SF1.0

BALDOR A MEMBER OF THE ABB GROUP

Parts List

Part Number	Description	Quantity
SA198284	SA 07H058Y763G1	1.000 EA
RA185648	RA 07H058Y763G1	1.000 EA
37FN3002C01	EXFN, PLASTIC, 6.00 OD, 1.155 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

BALDOR
A MEMBER OF THE ABB GROUP

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
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP3441LUA	ALUM SUPER-E VPWM INV READY UL	1.000 EA
07PA1011	PKG GRP, 07 CAST IRON PK1181	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

BALDOR
A MEMBER OF THE ABB GROUP

AC Induction Motor Performance Data

Record # 50558 - Typical performance - not guaranteed values

Winding: 07WGY763-R005	**Type:** 0746M	**Enclosure:** TEFC

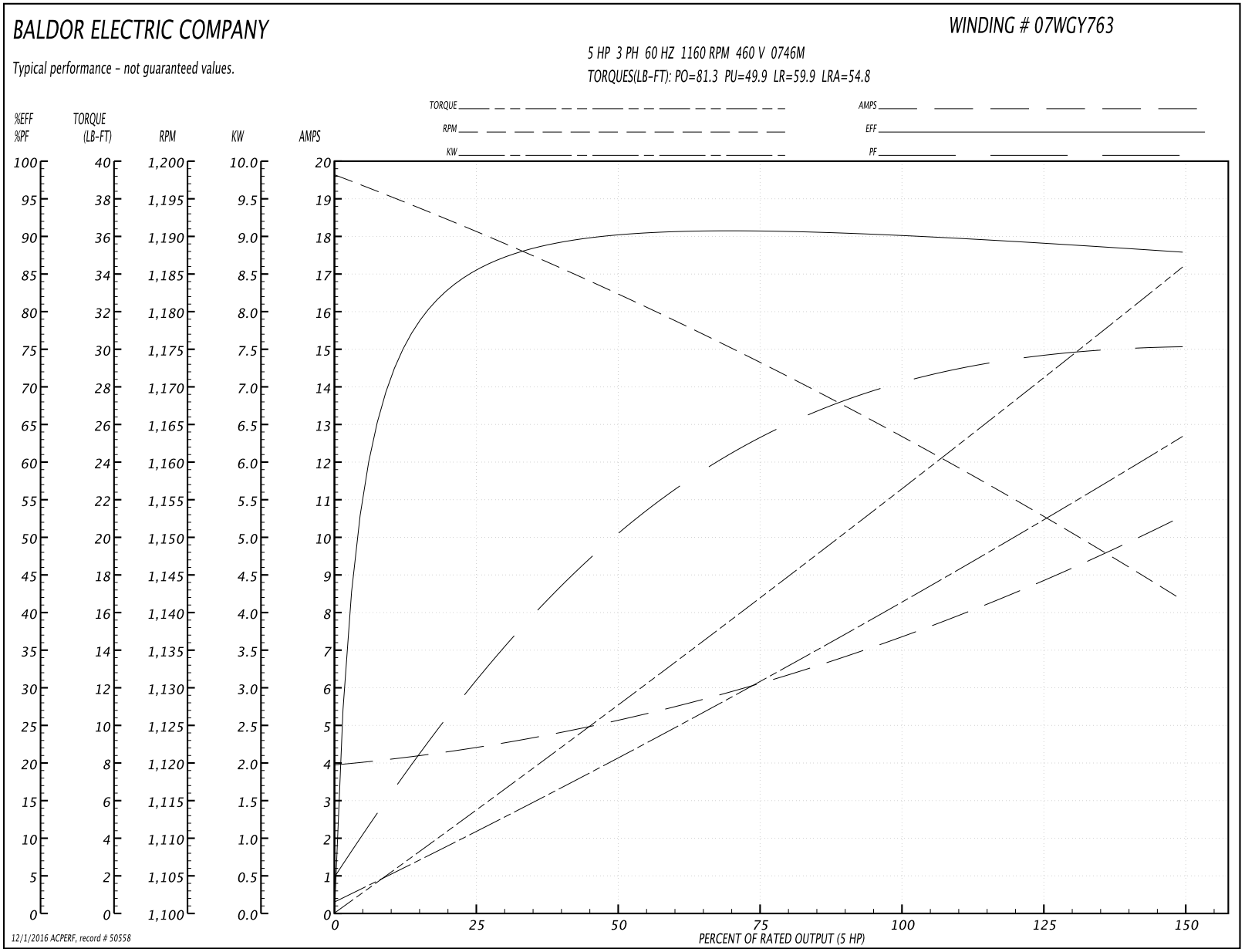
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	5			Full Load Torque	22.8 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	14.8/7.4			Breakdown Torque	81.3 LB-FT
R.P.M.	1160			Pull-up Torque	49.9 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	59.9 LB-FT
NEMA Design Code	A	KVA Code	K	Starting Current	54.8 A
Service Factor (S.F.)	1.15			No-load Current	4.03 A
NEMA Nom. Eff.	89.5	Power Factor	71	Line-line Res. @ 25ºC	1.64 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	50°C
S.F. Amps				Temp. Rise @ S.F. Load	62°C
				Locked-rotor Power Factor	22.2
				Rotor inertia	1.14 LB-FT2

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	51	63	70	74	76	72
Efficiency	85	89.8	90.7	90.4	89.2	87.8	89.7
Speed	1190	1181	1174	1164	1153	1141	1157
Line amperes	4.32	5.06	6.12	7.48	8.92	10.5	8.34

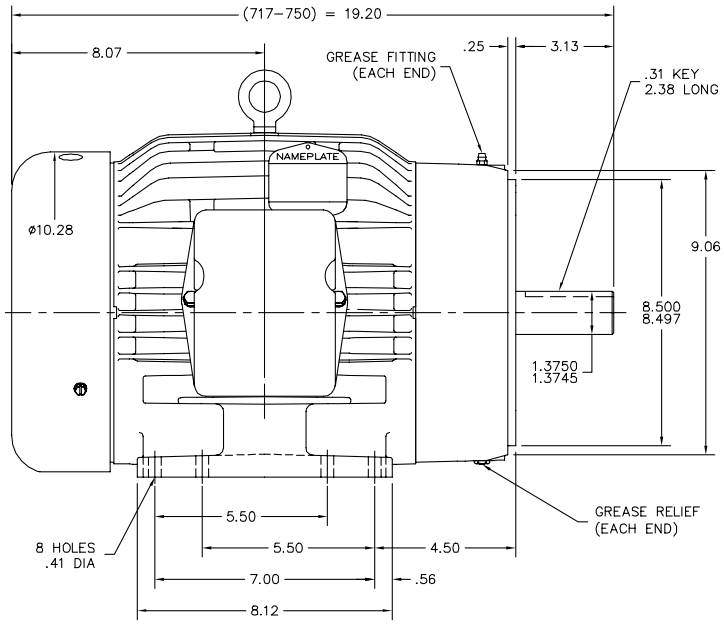
BALDOR A MEMBER OF THE ABB GROUP

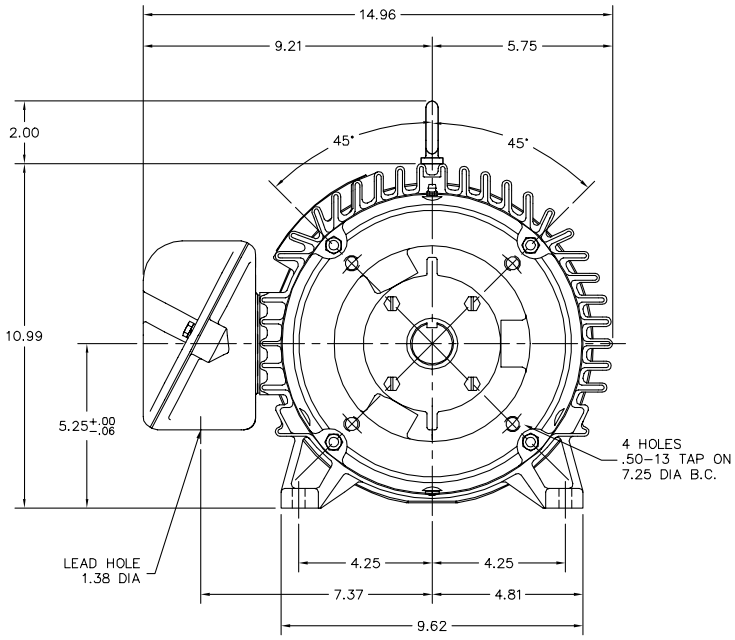
Performance Graph at 460V, 60Hz, 5.0HP Typical performance - Not guaranteed values



BALDOR
A MEMBER OF THE ABB GROUP

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: –		

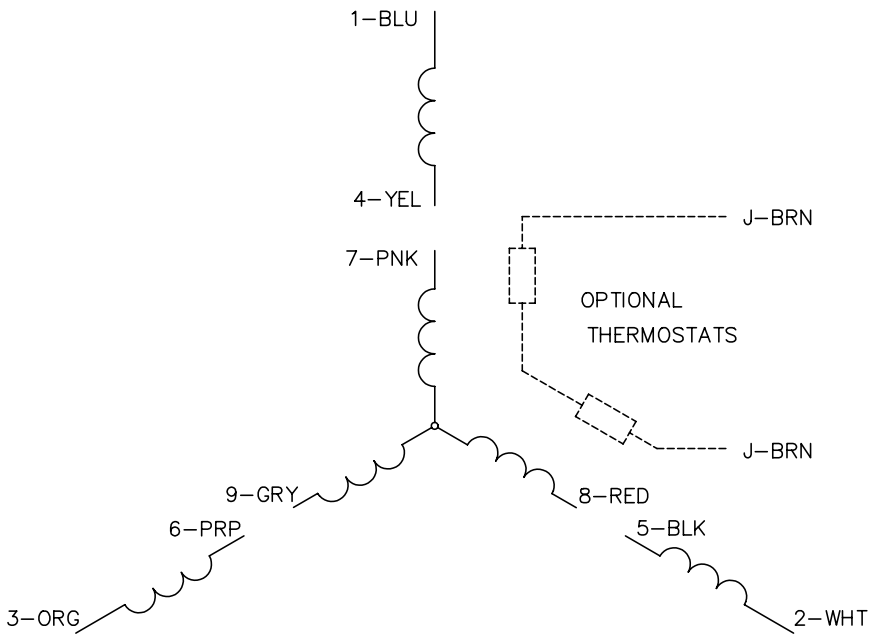
BALDOR

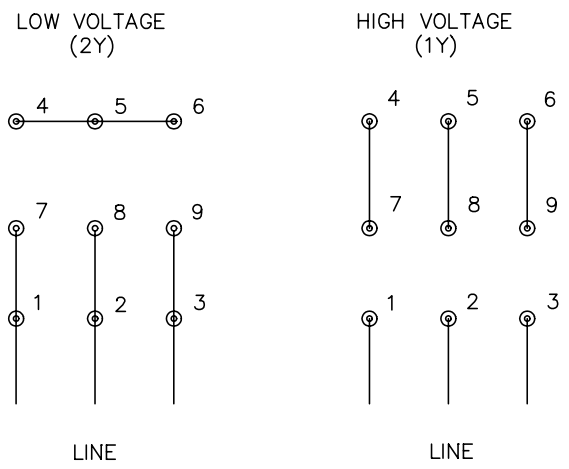
HORZ 213-5TC TEFC 307M SUPER-E

SH 1 of 1

BALDOR
A MEMBER OF THE ABB GROUP

CD0005





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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS

BALDOR A MEMBER OF THE ABB GROUP