

# **BALDOR**® • **RELIANCE**

## **Product Information Packet**

# **VHECP3770T**

**7.5HP, 1770RPM, 3PH, 60HZ, 213HP, 0735M, TEFC**

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Part Detail							
Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0735M	Elec. Spec:	07WGX790	CD Diagram:	
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	07K215	Layout:	
Frame:	213HP	Mounting:	F1	Poles:	04	Created Date:	
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	09-27-2012
Leads:	9#14	Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1260E							
CAT.NO.	VHECP3770T						
SPEC.	07K215X790						
HP	7.5						
VOLTS	230/460						
AMP	19/9.5						
RPM	1770						
FRAME	213HP	HZ	60	PH	3		
SER.F.	1.15	CODE	J	DES	A	CL	F
NEMA-NOM-EFF	91.7	PF	81				
RATING	40C AMB-CONT						
CC	010A	USABLE AT 208V	19.8				
DE	6309	ODE	6206				
ENCL	TEFC	SN					

Parts List		
Part Number	Description	Quantity
SA126215	SA 07K215X790	1.000 EA
RA116531	RA 07K215X790	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 PLTS-POLYREX EM G	1.000 EA
HA6283A01	SP'L EYE BOLT BRACKET FOR 306 & 307 MTRS	2.000 EA
10XN3816A12	3/8-16 X 3/4 HEX HD CAP SCREW	2.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	2.000 EA
10XN2520A06	1/4 20X3/8 HX HD CAP	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
WD1000B16	KPA-4C BURNDY TERMINAL	2.000 EA
09CB1001A26G	CONDUIT BOX, MACH W/GRAY EPOXY, W/1.50 N	1.000 EA
RM1017	LEAD SEPERATOR GASKET MODEL 307 1/8" THK	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	4.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW1001A10	WASHER, #10 SPLT LK, ZN X	1.000 EA
WD1000B17	KPA-8C BURNDY TERMINAL	1.000 EA
37EP1100B16G	FR EP 37L TEFC W/GRSR-RELIEF, NO DRAIN (	1.000 EA
HW4500A32	FIT./EXT 1698-B (ALEMITE)GREASE FITTING	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
HW4600B48	SEAL 2.438 X 3.350 X .375 SINGLE LIP	1.000 EA
37EP1504A12G	PULLEY 213-5LP 254LP ENCL 309 BRG W/ SEA	1.000 EA
HW4600B53	SEAL 1.688 X 2.275 X 0.312 SINGLE LIP DB	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
10XN2520A52	1/4-20X 3 .25 HEX HD CAP ZN	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
07FH1001A06G	307 FH FOR MTG TO FR E.P. W/GREASER & DR	1.000 EA
10XN2520A24	1/4-20X 1 1/2 HEX HD X	3.000 EA
WD4100A02	DP-1000 HEYCO PLUG OR 62MP1000 MICRO PL	1.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	3.000 EA
40FH2500A04G	P'L DRIP COVER MODEL 40- OPEN MACH, GRA	1.000 EA
HA2086A03	.375 X 1.0 HVY-FT SPACER SPIRAL # 62434	4.000 EA
10XN3816A32	3/8-16 X 2 HEX HD CAP SCREW	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HW4600B36SP	V-RING SLINGER 1.188 X 1.690 X 0.240	1.000 EA
HW4600B44SP	V-RING SLINGER 1.500 X 2.290 X 0.280	1.000 EA
09CB1504A01G	LIPPED CONDUIT BOX LID, MACH GRAY EPOXY	1.000 EA
09GS1001A01SP	GASKET, BOX LID, 1/8 THICK BLACK NEOPREN	1.000 EA
10XN2520A12	O1/4-20X 3/4 HEX HEAD CAP	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
MJ5001A01	46-665 RED SEALER	0.001 QT
MJ5001A14	DYNAPRO SEAL, CP MOTORS VC#2508050 (603	0.001 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115	LABEL,LIFTING DEVICE	1.000 EA
LB1002	LABEL,MARINE DUTY (ON ROLLS)	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB

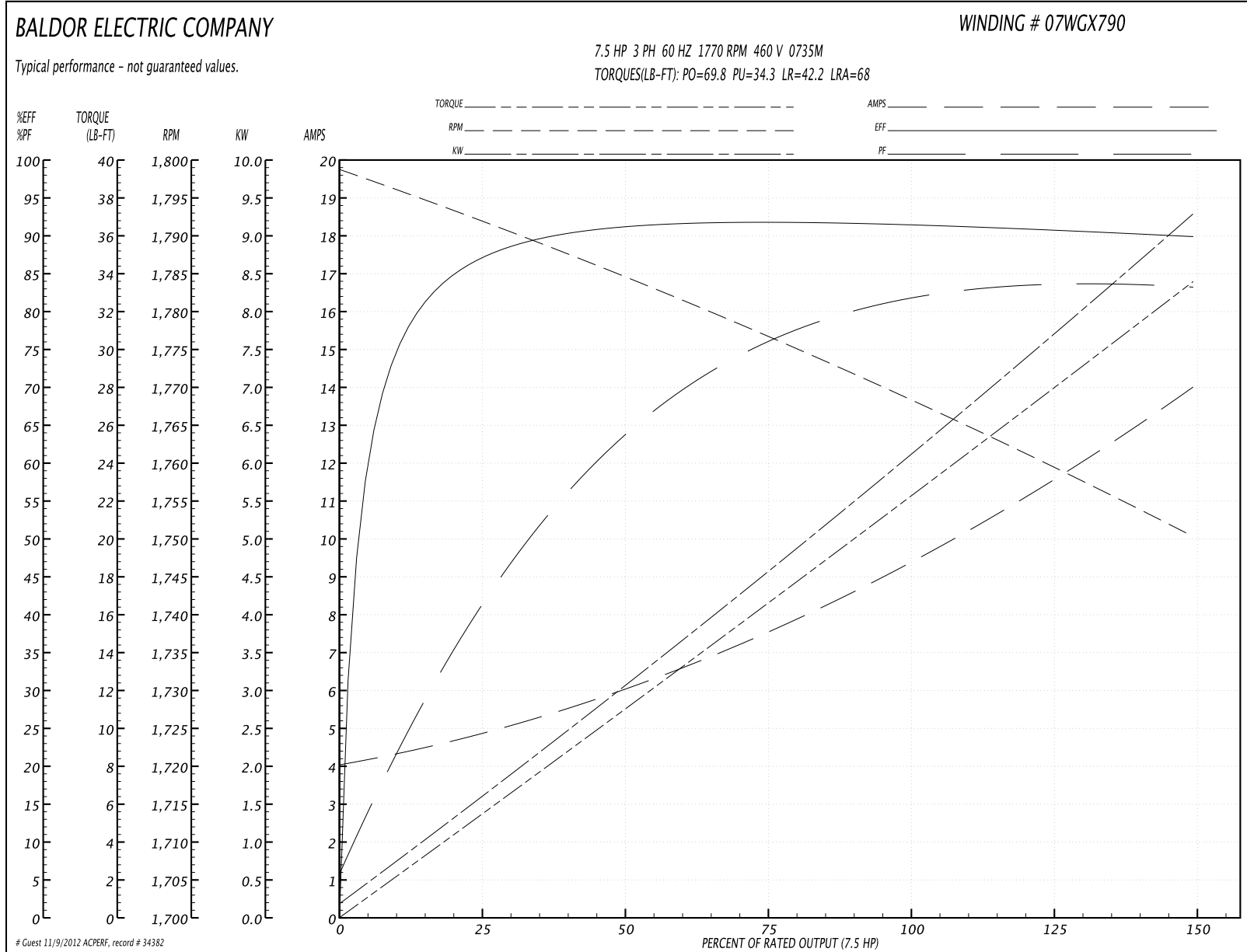
Parts List (continued)		
Part Number	Description	Quantity
HA3104A13	THRUBOLT 5/16-18 X 11.750 OHIO ROD	4.000 EA
MG1025N19	PAINT, 778.50 WILKO, RELIANCE ELEC GREEN	0.036 GA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119)	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LB1357	ENERGY GUIDE LABEL (BOX LABEL)	1.000 SH
NP1260E	SS CP SUPER-E UL CSA CC	1.000 EA
07PA1011	PKG GRP, 07 CAST IRON PK1181	1.000 EA
07PA1095	PKG GRP, VER 07 CAST IRON	1.000 EA
PK6503	STRUCTURAL WOOD PSC 1X6X8MULLBERRY LUMBE	4.000 EA

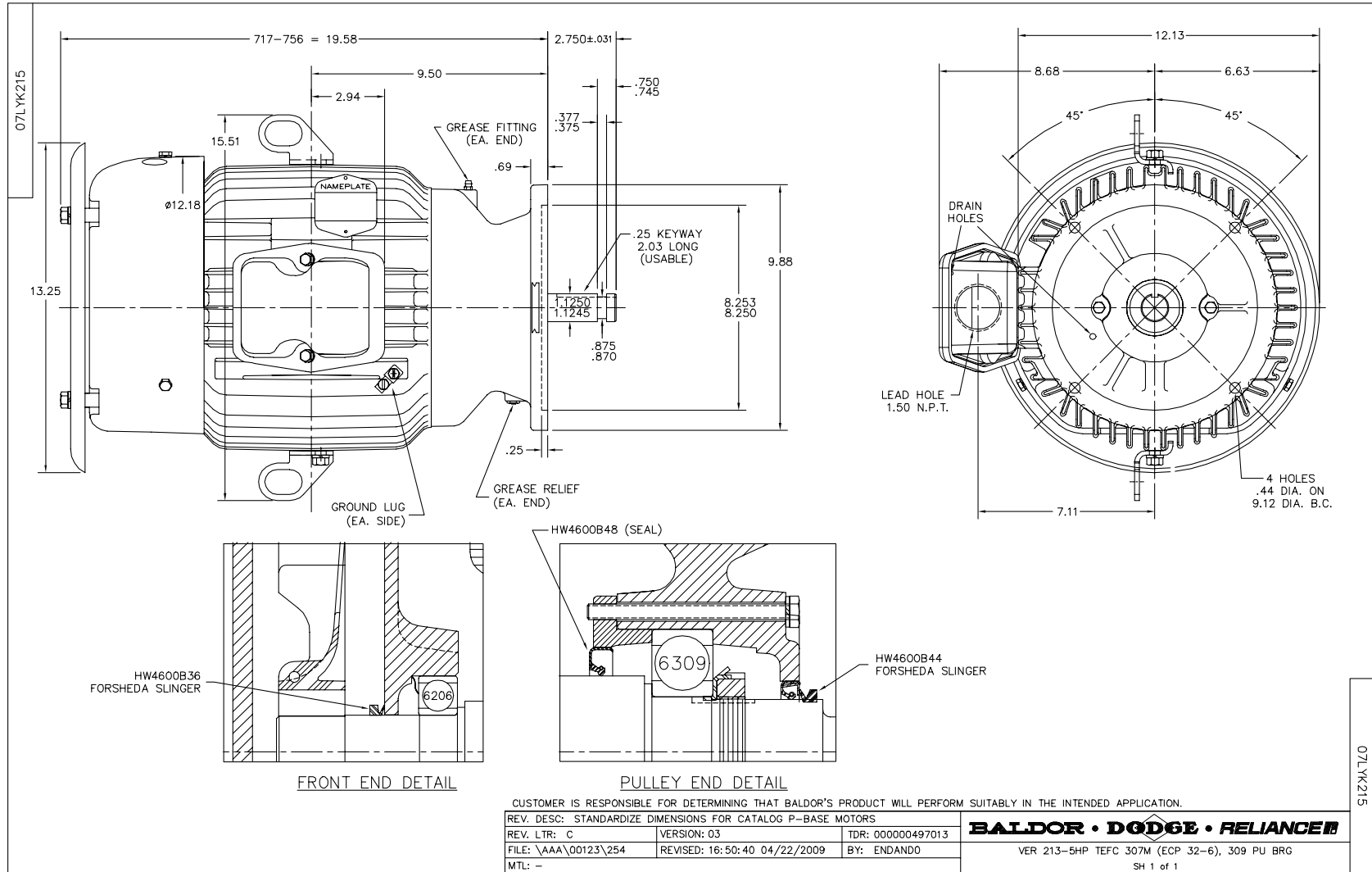
**Performance Data at 460V, 60Hz, 7.5HP (Typical performance - Not guaranteed values)**

General Characteristics			
Full Load Torque:	22.1 LB-FT	Start Configuration:	DOL
No-Load Current:	4.18 Amps	Break-Down Torque:	69.8 LB-FT
Line-line Res. @ 25°C.:	1.43 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	34.3 LB-FT
Temp. Rise @ Rated Load:	42 C	Locked-Rotor Torque:	42.2 LB-FT
Temp. Rise @ S.F. Load:	52 C	Starting Current:	68.0 Amps

Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	43.0	65.0	76.0	81.0	83.0	84.0	82.0
Efficiency:	87.4	91.6	92.3	92.0	91.2	90.1	91.5
Speed:	1792.0	1784.0	1777.0	1769.0	1760.0	1750.0	1764.0
Line Amperes:	4.68	5.93	7.53	9.44	11.6	13.9	10.7

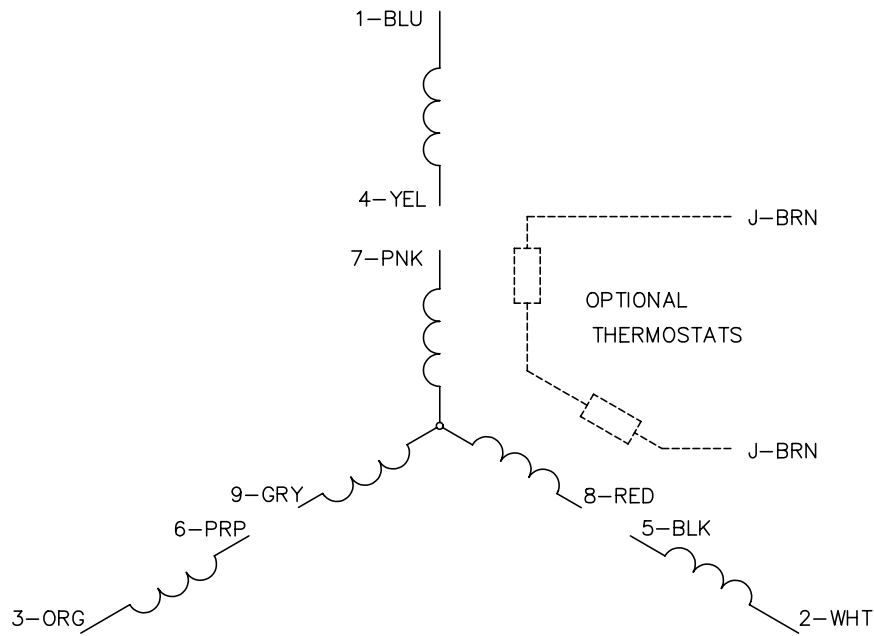
Performance Graph at 460V, 60Hz, 7.5HP Typical performance - Not guaranteed values







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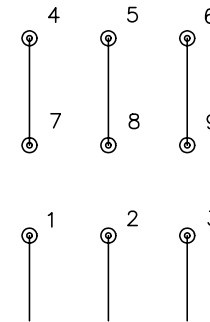


LOW VOLTAGE  
(2Y)



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
9000D		FILE: AAA00005140	MDL: -
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**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS

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