

BALDOR® • RELIANCE

Product Information Packet

GMP3342

.5HP,1725RPM,3PH,60HZ,PSLH,3320M,TEFC,

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3320M	Elec. Spec:	33WG0673	CD Diagram:	CD0005A05
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	33E887-0673G2
Frame:	PSLH	Mounting:		Poles:	04	Created Date:	11-05-2015
Base:		Rotation:	R	Insulation:	F	Eff. Date:	09-28-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1220A07

CAT.NO.	GMP3342		
SER.NO			
SPEC.	33E887-0673G2		
HP	.5	TE	
VOLTS	208-230/460		
AMP	2.3-2.6/1.3		
HZ	60	PH	3
AMB.	40	DUTY	CONT
CAP		CODE	-
SER.F.	1.00	CLASS	F
R.P.M.	57.5		
TORQ/IN LB	484		
RATIO	30:1		
APRV-CSA		APRV-UL	

Parts List		
Part Number	Description	Quantity
SA311302	SA 33E887-0673G2	1.000 EA
RA298725	RA 33E887-0673G2	1.000 EA
HG0076A16B	HSG,PSL EP 33 FRAME LONG HOUSING .500	1.000 EA
BMH1714	WASHER,PREC 1.259"X.756"X.010"	2.000 EA
HW5002A95	N5002-125 32MM BEVELED INTERNAL RET RING	1.000 EA
HW4600G70	SEAL .500" X .875" X .200 SGL LIP FT802	1.000 EA
HA4021A05	1/16 NPSF-HX SOC PIPE PLUG TAPER DRY SEA	1.000 EA
HW3064E05	1/8 X 1/2 PIN DRIVE LOK TYPE H	1.000 EA
34GS1029A01	GASKET, CONDUIT BOX	1.000 EA
34CB3002C	CB CAST W/.69 DIA HOLE	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32X3/8 HX WSHR HD,SLTDTYPE 23,GREEN	1.000 EA
34GS1031A01	GASKET, FLAT CONDUIT BOX LID (LEXIDE)	1.000 EA
34CB4517	CB LID 4 MTG HOLES .22 DIA STAMPED, FOR	1.000 EA
51XT0832A08	8-32 X 1/2 TY23 HXWS SLDSR	4.000 EA
33EP3100A01SP	EP,33AC ODE GP 6203 TEFC W/DRAIN	1.000 EA
HW5109A05	WASHER, WAVE SPRING FOR 40MM BORE SMALLE	1.000 EA
HA3100A48	THRUBOLT 10-32 X 7.188	2.000 EA
HA4067A01	PUSH IN DRAIN FITTING (BLACK)	2.000 EA
33FN3000SP	EXTERNAL FAN, PLASTIC	1.000 EA
HW1003A08	WASHER, #8 EX TH LK, ZN (F/S)	1.000 EA
33FH4000A01SP	FAN COVER, STAMPED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
SG0045C11	SHAFT,ASSY PSLH LONG INT1 3RED 2.0/4.0	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
SG0045C12	SHAFT,ASSY PSLH LONG INT2 3RED 3.75/2.0	1.000 EA
SG0045C13	SHAFT,ASSY PSLH LONG OUTP 3RED 0.0/3.75	1.000 EA
CG0012A01BG	CAP, PSL GEAR HEAD	1.000 EA
RM1020A22	O-RING .070 X 4.527	1.000 EA
HW4600G71	SEAL, .750 X 1.250 X .250 SGL LIP FT802	1.000 EA
BH1163A03	SCE1212 INA NEEDLE ROLLER BBG1027	1.000 EA
60XM2520A12	SCREW,PAN TORX 1/4-20X.750 THREAD FORMIN	4.000 EA
BMH1910	KEY 3/16X3/16X1 1/8 AUTO X	1.000 EA
ME4000	.375-.75" DIA.#SW-04 WOVEN SHAFT PROTECT	0.167 FT
MJ1000B02	KLUB. GH6-460 GEAR OIL 1 GALLON	0.112 GA
MG1000G27	S-9282E MED CHARCOAL METALLIC GREY	0.030 GA
NP1220A07	NP,AC STD AD NONE V CSA UL GEAR MOTOR	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
CPA1001	PACKING GROUP OVERSIZED SINGLE	1.000 EA

Accessories		
Part Number	Description	Multiplier
LB75	BASE, L BRACKET 34 FRAME PSL KIT BLACK	A8

AC Induction Motor Performance Data

Record # 21905 - Typical performance - not guaranteed values

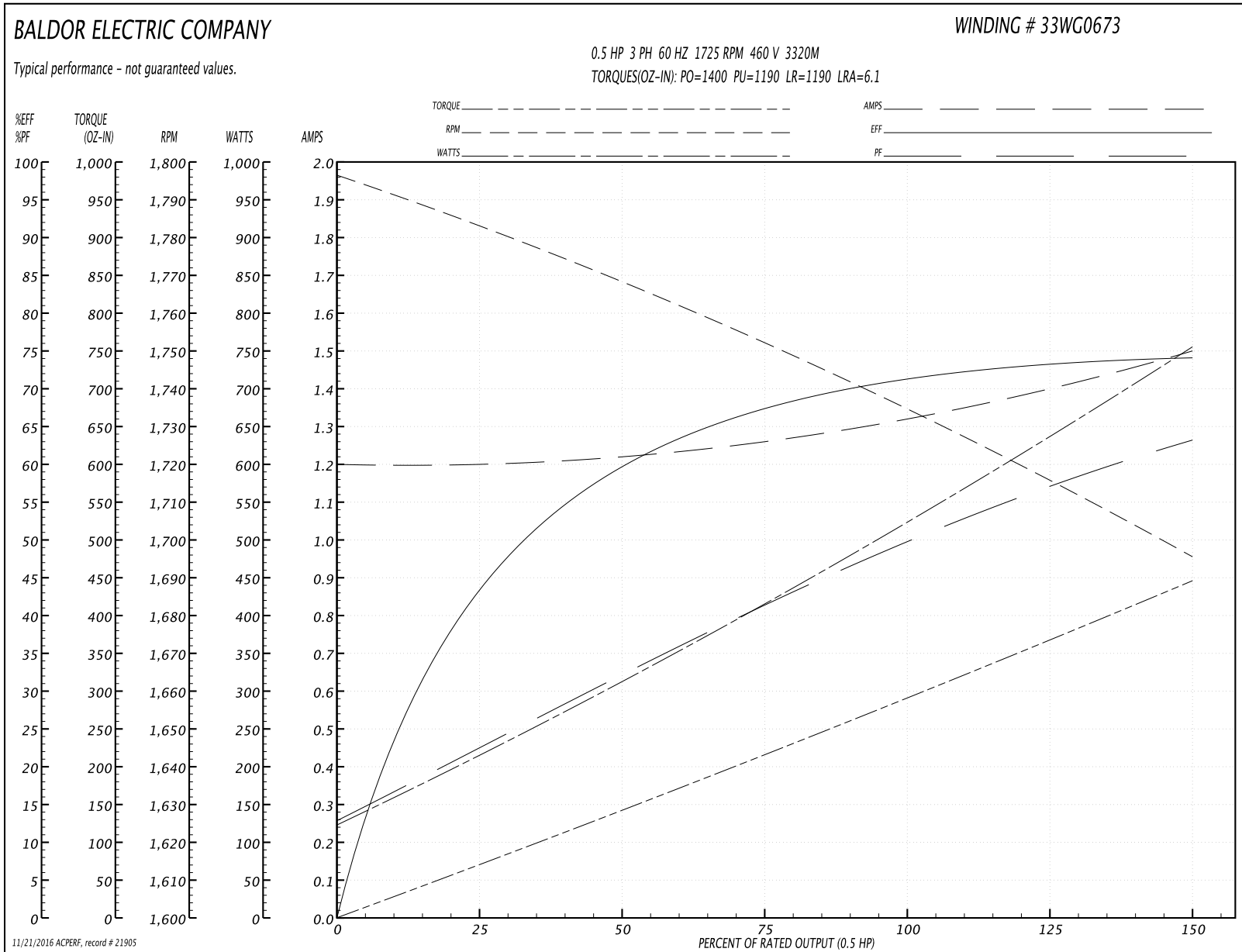
Winding: 33WG0673-R012	Type: 3320M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	291.2 OZ-IN
Volts	460			Start Configuration	direct on line
Full Load Amps	1.2			Breakdown Torque	1400 OZ-IN
R.P.M.	1725			Pull-up Torque	1190 OZ-IN
Hz	60	Phase	3	Locked-rotor Torque	1190 OZ-IN
NEMA Design Code	B	KVA Code	-	Starting Current	6.1 A
Service Factor (S.F.)	1			No-load Current	1.2 A
NEMA Nom. Eff.	71	Power Factor	54	Line-line Res. @ 25°C	28.9 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	
				Locked-rotor Power Factor	69
				Rotor inertia	43.1 LB-FT ²

Load Characteristics 460 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	23	32	41	50	57	63
Efficiency	43.2	59.5	67.4	71.4	73.4	74
Speed	1782	1769	1752	1734	1717	1695
Line amperes	1.2	1.22	1.26	1.32	1.4	1.5

Performance Graph at 460V, 60Hz, 0.5HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 21907 - Typical performance - not guaranteed values

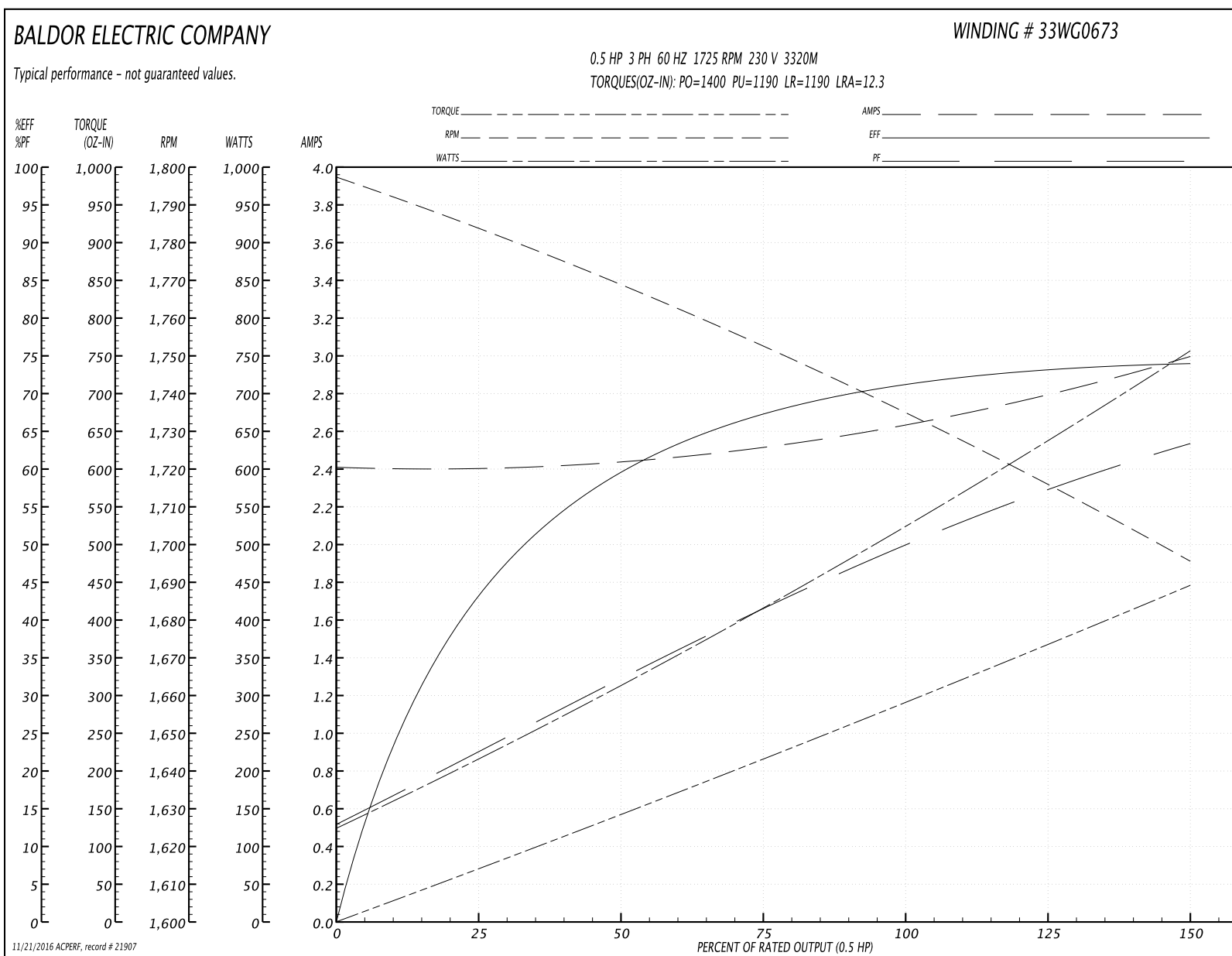
Winding: 33WG0673-R012	Type: 3320M	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	290.6 OZ-IN
Volts	230			Start Configuration	direct on line
Full Load Amps	2.4			Breakdown Torque	1400 OZ-IN
R.P.M.	1725			Pull-up Torque	1190 OZ-IN
Hz	60	Phase	3	Locked-rotor Torque	1190 OZ-IN
NEMA Design Code	B	KVA Code	-	Starting Current	12.3 A
Service Factor (S.F.)	1			No-load Current	2.41 A
NEMA Nom. Eff.	71	Power Factor	54	Line-line Res. @ 25°C	7.4 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 230 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	23	32	41	50	57	63
Efficiency	43.1	59.4	67.2	71.4	73.4	73.8
Speed	1785	1768	1752	1735	1717	1695
Line amperes	2.4	2.44	2.52	2.63	2.79	3

Performance Graph at 230V, 60Hz, 0.5HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 21908 - Typical performance - not guaranteed values

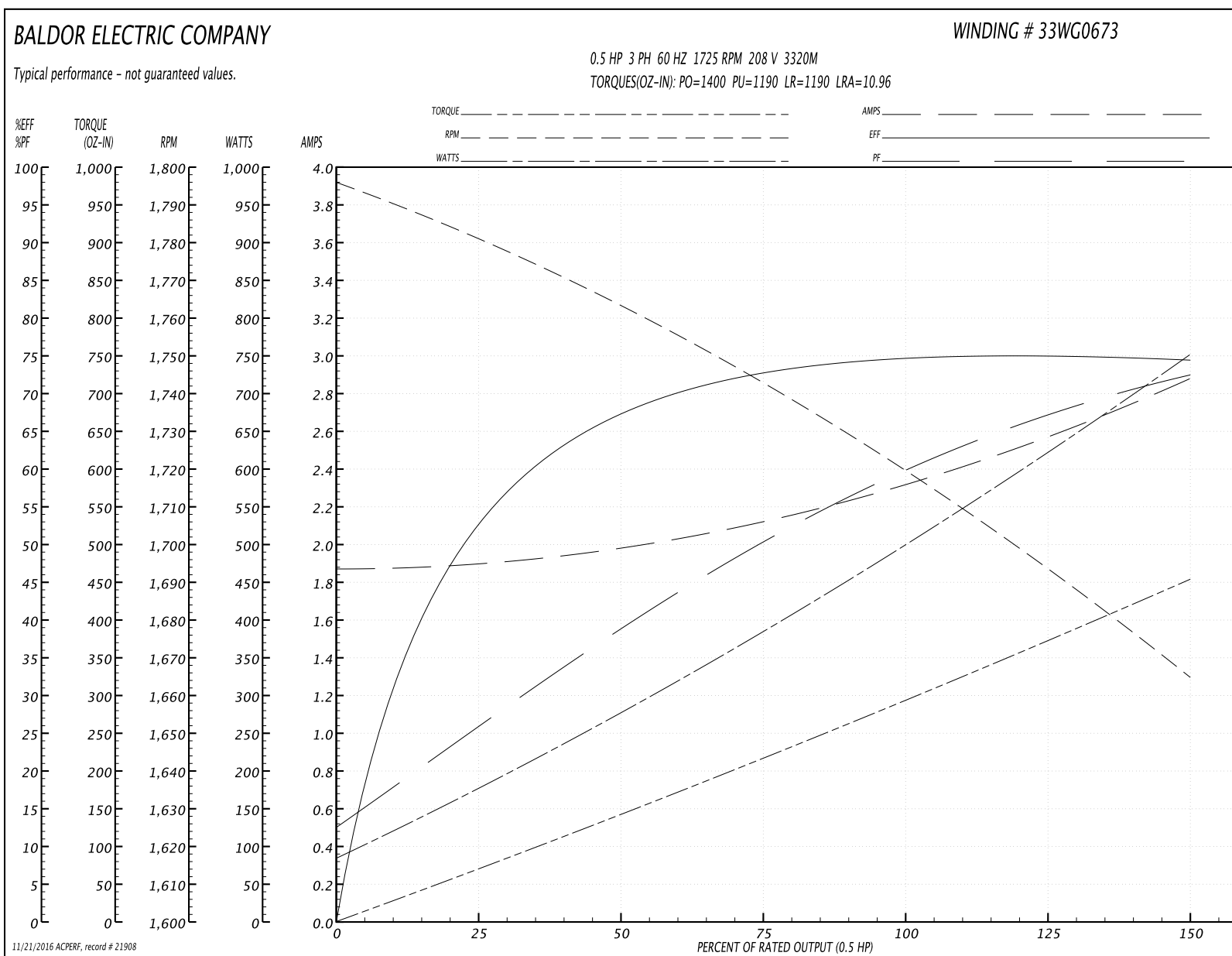
Winding: 33WG0673-R012	Type: 3320M	Enclosure: TEFC
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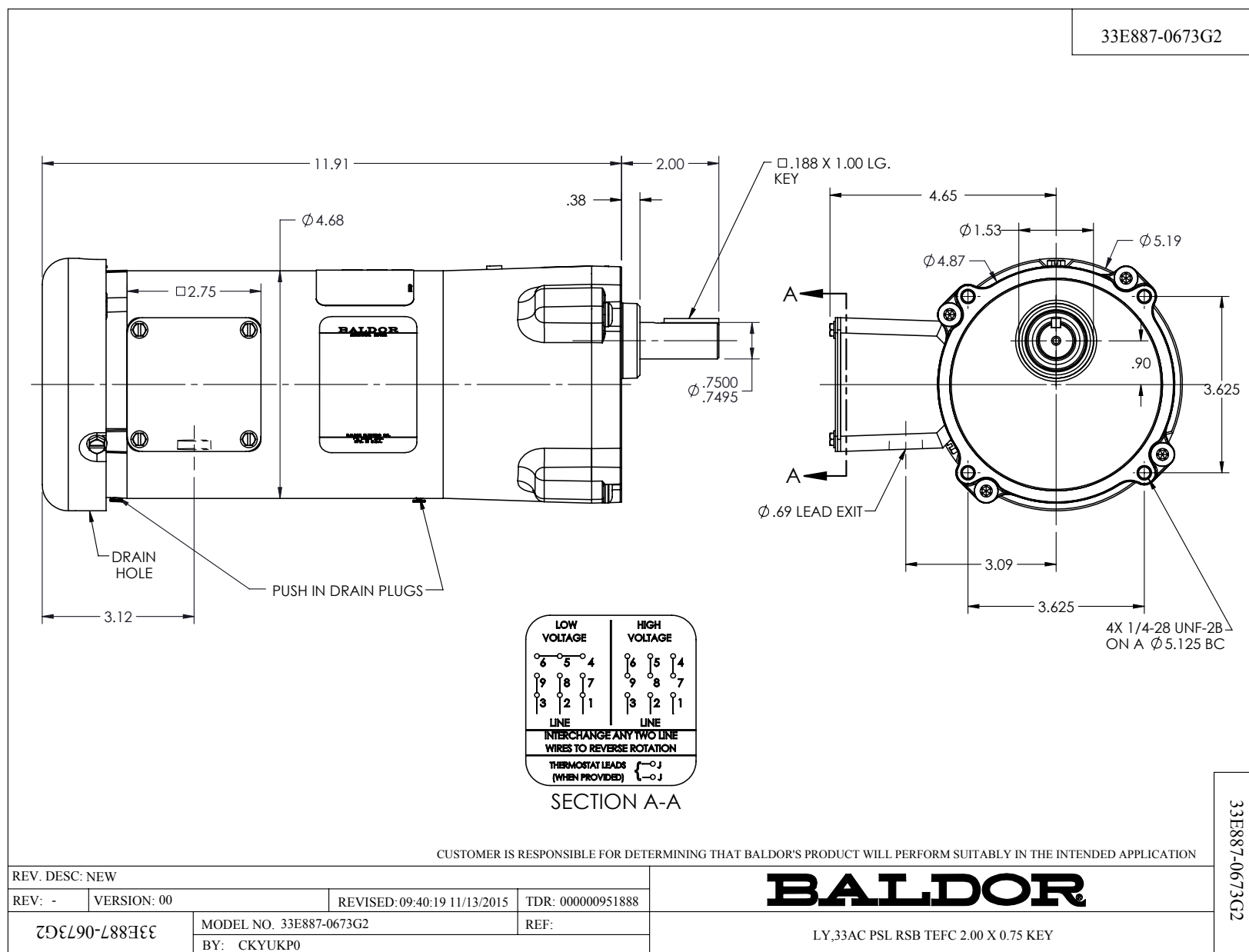
Nameplate Data				208 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	293.1 OZ-IN
Volts	208			Start Configuration	direct on line
Full Load Amps	2.6			Breakdown Torque	1400 OZ-IN
R.P.M.	1725			Pull-up Torque	1190 OZ-IN
Hz	60	Phase	3	Locked-rotor Torque	1190 OZ-IN
NEMA Design Code	B	KVA Code	-	Starting Current	10.96 A
Service Factor (S.F.)	1			No-load Current	1.87 A
NEMA Nom. Eff.	71	Power Factor	54	Line-line Res. @ 25°C	28.9 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

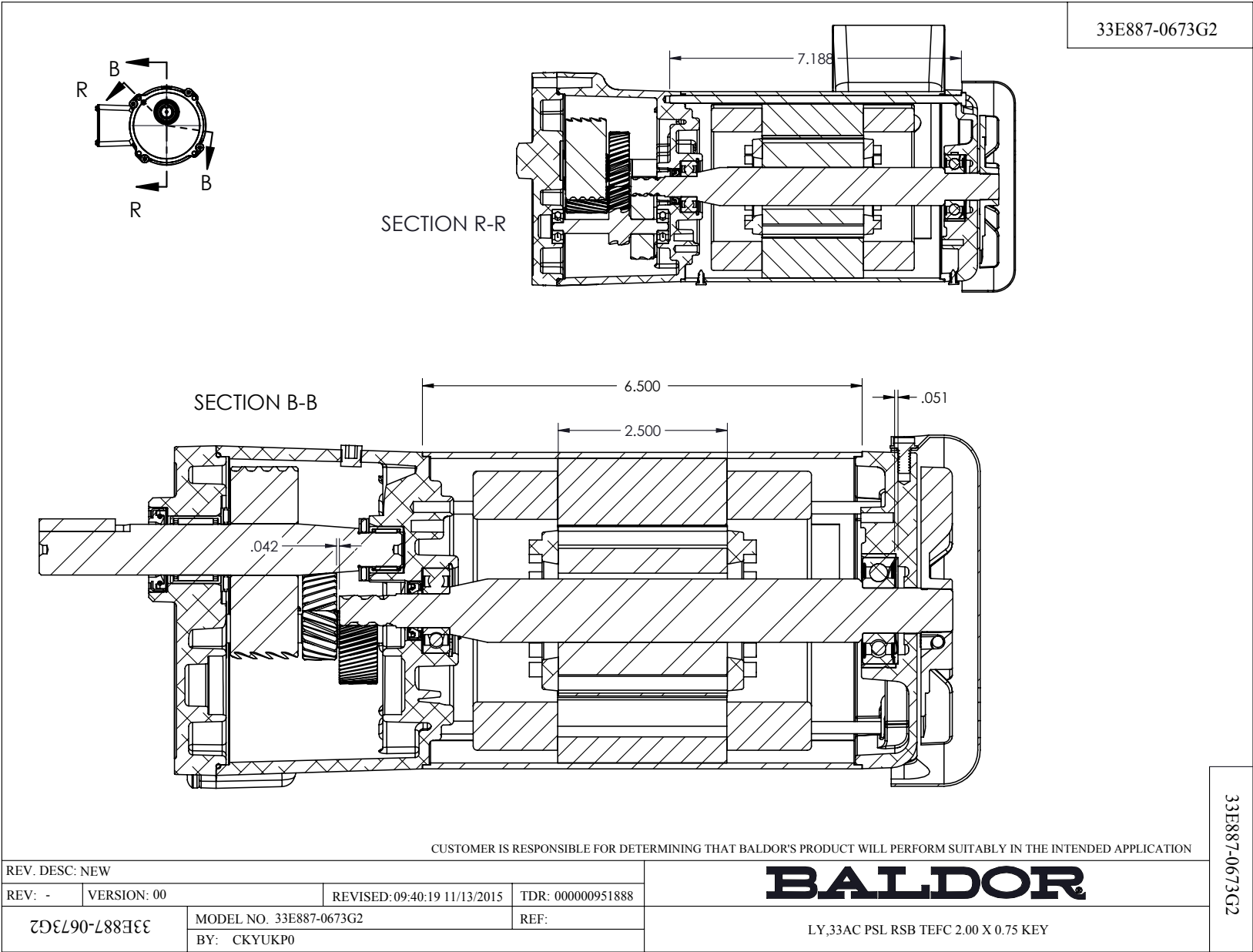
Load Characteristics 208 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	26	39	50	60	67	73
Efficiency	52.1	66.9	72.7	75	75.2	74.2
Speed	1780	1762	1743	1721	1694	1664
Line amperes	1.9	1.98	2.12	2.32	2.57	2.88

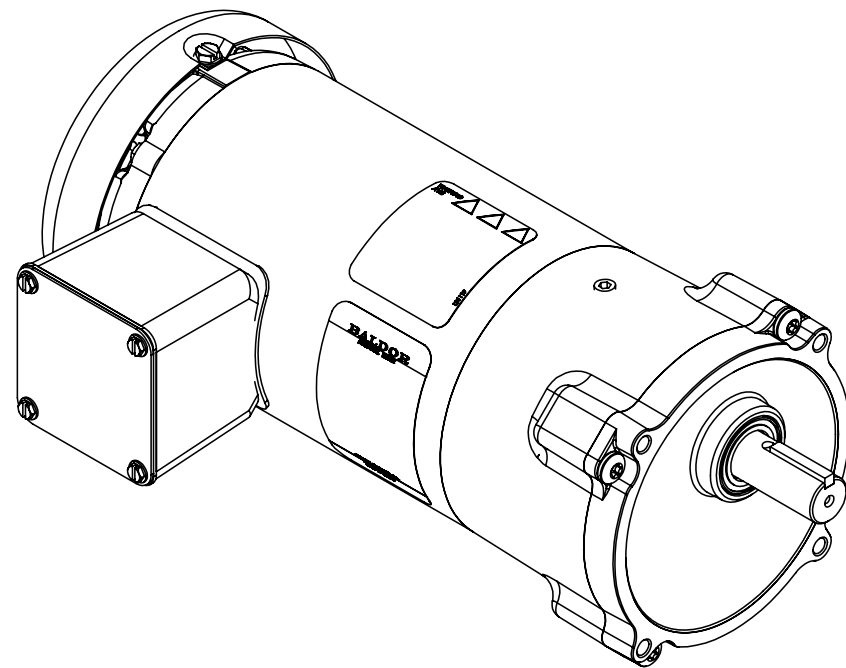
Performance Graph at 208V, 60Hz, 0.5HP Typical performance - Not guaranteed values







ITEM NO.	PART NUMBER	QTY.
1	HG0076A16	1
2	BMH1714	2
3	BH1165A02	1
4	HW5002A95	1
5	HW4600D35	1
6	BH1163A02	1
7	HA4021A05	1
8	HW3064E05	1
9	33SH7271B01	1
10	33RC4120-00	1
11	BG6203C03	1
12	33SA9200B96	1
13	NS2512A01	1
14	34GS1029A01	1
15	34CB3002C	1
16	51XB1016A07	2
17	11XT1032G06	1
18	34CB4517	1
19	34GS1031A01	1
20	51XT0832A07	4
21	33EP3100A01	1
22	HW5109A05	1
23	HA3100A	2
24	33FN3000	1
25	12XN0832A16	1
26	HW1003A08	1
27	XY0832A02	1
28	33FH4000A01	1
29	51XB1016A06	3
30	SG0045C11	1
31	SG0045C12	1
32	SG0045C13	1
33	CG0012A01	1
34	RM1020A22	1
35	BH1163A03	1
36	HW4600D39	1
37	60XM2520A12	4
38	LC0005	1
39	LB1119	1
40	BMH1910	1
41	HA4067	2
42	NP1220A 33AC RSB	1



33E887-0673G2

33E887-0673G2

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

REV. DESC: NEW

REV: - VERSION: 00 REVISED: 09:40:19 11/13/2015 TDR: 000000951888

33E887-0673G2

MODEL NO. 33E887-0673G2

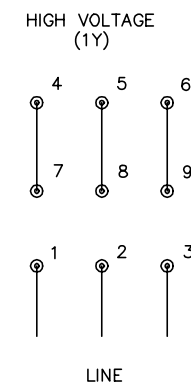
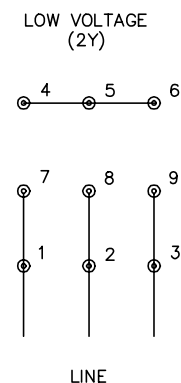
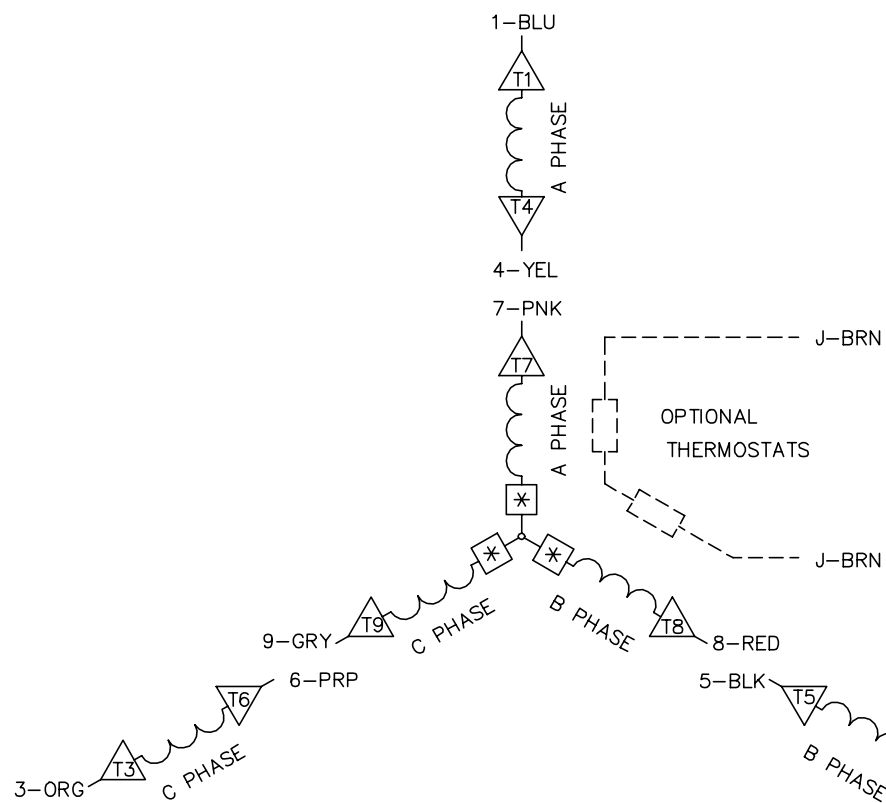
BY: CKYUKP0

REF:

BALDOR

LY,33AC PSL RSB TEFC 2.00 X 0.75 KEY

CD0005A05



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.
5. =MAGNET WIRE COIL END WITH I.D. NUMBER.
6. =MAGNET WIRE COIL END WITH I.D. SYMBOL.
7. SEE CW PRINT FOR NEST TO NEST CROSSOVER CONNECTIONS.

REV. DESC: ADD NEST NOTE

REV. LTR: C

VERSION: 03

TDR: 000000445597

CD0005A05

FILE: \CKA\00024\847

REVISED: 12:51:06 11/15/2007

MTL: -

BY: CKMICRO

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3PH, DV, 9 LEADS, CK

CD0005A05