

BALDOR® • RELIANCE 

Product Information Packet

L3609TM

3HP, 1725RPM, 1PH, 60HZ, 184T, 3634LC, TEFC, F1

Part Detail							
Revision:	AG	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGY155	CD Diagram:	CD0320	Mfg Plant:	
Mech. Spec:	36F227	Layout:	36LYF227	Poles:	04	Created Date:	
Base:	RG	Eff. Date:	02-11-2020	Leads:	4#14 A PH,2#16 B PH,1#10 #4TH		

Specs			
Catalog Number:	L3609TM	Insulation Class:	F
Enclosure:	TEFC	Inverter Code:	Not Inverter
Frame:	184T	KVA Code:	K
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Motor Letter Type:	Cap Start, Cap Run	Locked Bearing Indicator:	No Locked Bearing
Output @ Frequency:	3.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	4 @ 14 AWG, A PH
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	115.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	230.0 V @ 60 HZ	Motor Type:	3634LC
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	85
Agency Approvals:	UR	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End
Blower:	None	Shaft Ground Indicator:	No Shaft Grounding

Current @ Voltage:	14.500 A @ 230.0 V	Shaft Rotation:	Reversible
	28.000 A @ 115.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	L	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	None
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	Do Not Use
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	Manual Thermal Overload
Heater Indicator:	No Heater	Winding Thermal 1 Location:	KO
		Winding Thermal 2:	None

Nameplate NP1257L	
CAT.NO.	L3609TM
SPEC.	36F227Y155
HP	3
VOLTS	115/230
AMP	28/14.5
RPM	1725
FRAME	184T
HZ	60
PH	1
SER.F.	1.00
CODE	K
DES	L
CL	F
NEMA-NOM-EFF	78
PF	85
RATING	40C AMB-CONT
CC	USABLE AT 208V
DE	6206
ODE	6205
ENCL	TEFC
SN	

Parts List		
Part Number	Description	Quantity
SA034864	SA 36F227Y155	1.000 EA
RA030892	RA 36F227Y155	1.000 EA
OC3060F10SP	CYL OIL CAP 60MFD/370V	1.000 EA
TPBRJ35DB	THERMAL 1PH 1.25 MAN 120C	1.000 EA
EC1815A06SP	ELEC CAP 115V 2.0 X 4.3	1.000 EA
36CB3004A02	36 CB 1.09 @ 6, 1.25 MTO @ 3	1.000 EA
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HA6015A09	THERMAL RETAINER PLATED	1.000 EA
51XB1214A10	12-14 X 5/8HX WS SL SR TYBX	2.000 EA
36EP3104A01	FREP MACH ASSEMBLY FOR ROUTING	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
13XF0832A08	8-32 X.50 PAN HD,SLTD, TYPE F SCREW, ZIN	2.000 EA
36CB3800SP	CAPACITOR COVER, CAST	1.000 EA
HA7010A01	CAPACITOR RETENTION CLAMP, 6.562 LONG	1.000 EA
36GS3000	GASKET, CAPACITOR COVER LEXIDE	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
10XN2520A12	1/4-20 X 3/4 HEX HEAD CAP	2.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP3100A01SP	PUEP ASSEMBLY FOR ROUTING PURPOSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
36CB4516	750LIPPED CB LID - GALVANNEAL	1.000 EA
37GS1001	GASKET, CONDUIT BOX LID, .06 THICK LEXID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501E16	KEY, 1/4 SQ X 1.750	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
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 LB
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.022 GA
SP5172A05	37 TYPE LC TORQ STAT SW LEAD ASSEMBLY	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	4.000 EA
36FH4009A102	IEC FH GREASER PRIMED	1.000 EA
HA3101A45	THRUBOLT- 1/4-20 X 11.126	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1087	LABEL,MANUAL RESET (ROLL LABEL)	1.000 EA
LC0269	1PH,DV,REV,THERMAL,7 LD,L.AMP THRU HTR H	1.000 EA
NP1257L	ALUM UL CSA CC THERMAL REV MTG	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100/bx) 4/22	1.000 EA

Accessories		
Part Number	Description	Multiplier
36-3301	C FACE KIT	A8
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

AC Induction Motor Performance Data

Record # 11212

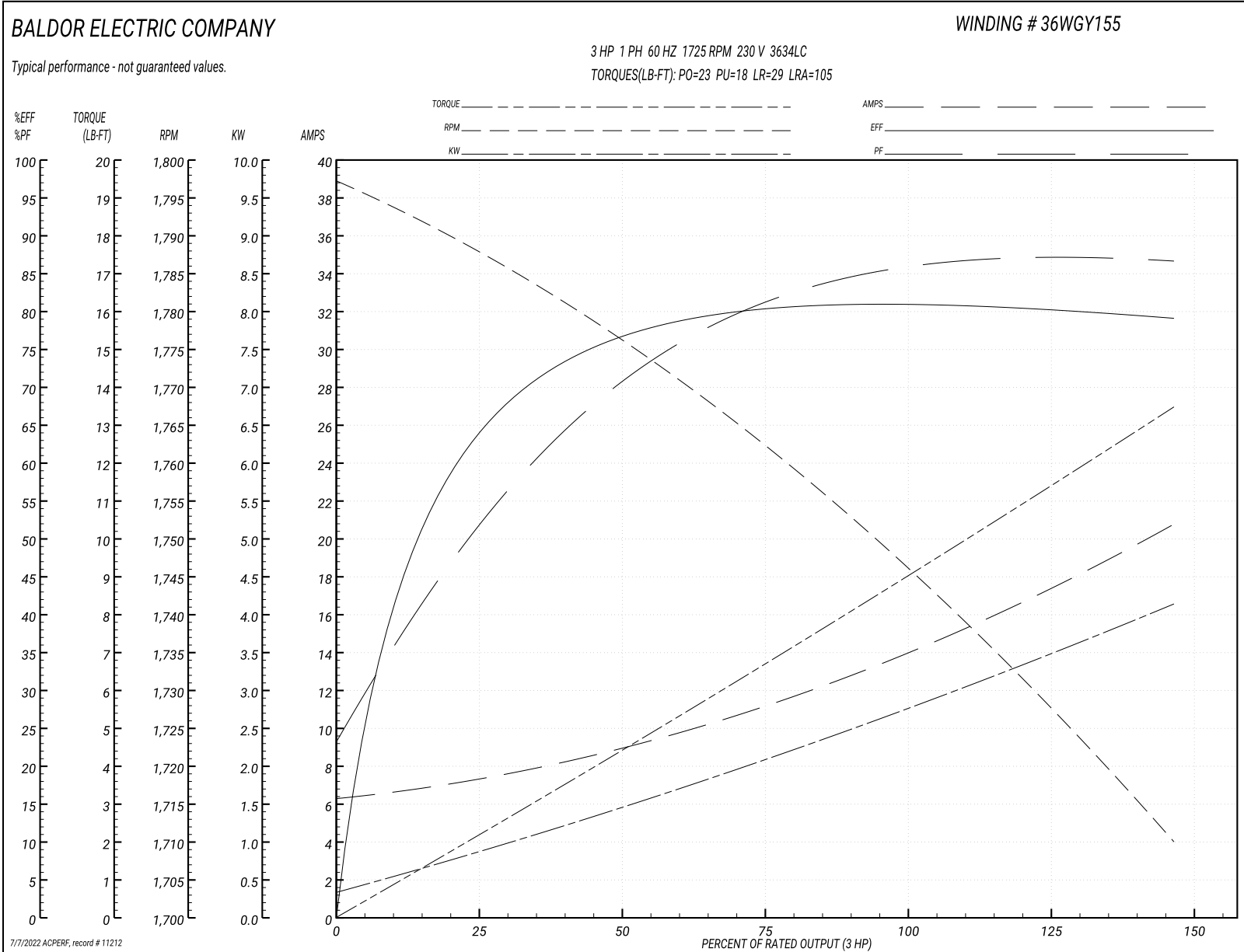
Typical performance - not guaranteed values

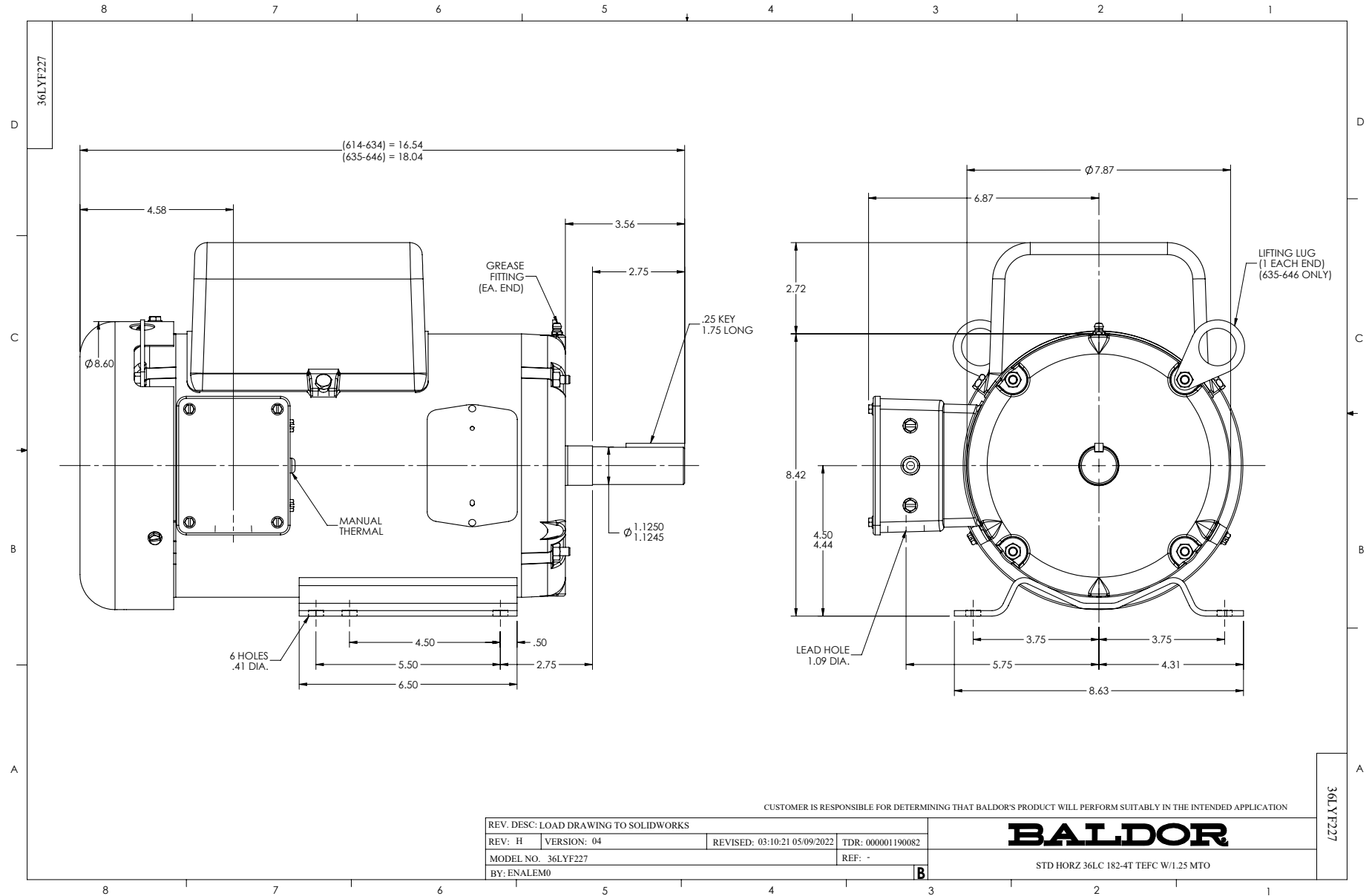
Winding: 36WGY155-R001		Type: 3634LC		Enclosure: TEFC	
Nameplate Data			230 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	3	Full Load Torque	9 LB-FT		
Volts	115/230	Start Configuration	direct on line		
Full Load Amps	28/14.5	Breakdown Torque	23 LB-FT		
R.P.M.	1725	Pull-up Torque	18 LB-FT		
Hz	60 Phase	1	Locked-rotor Torque	29 LB-FT	
NEMA Design Code	L	KVA Code	K	Starting Current	105 A
Service Factor (S.F.)	1	No-load Current	6.35 A		
NEMA Nom. Eff.	78	Power Factor	85	Line-line Res. @ 25°C	0.688 Ω A Ph 0.628 Ω B Ph
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	96°C	

Load Characteristics 230 V, 60 Hz, 3 HP

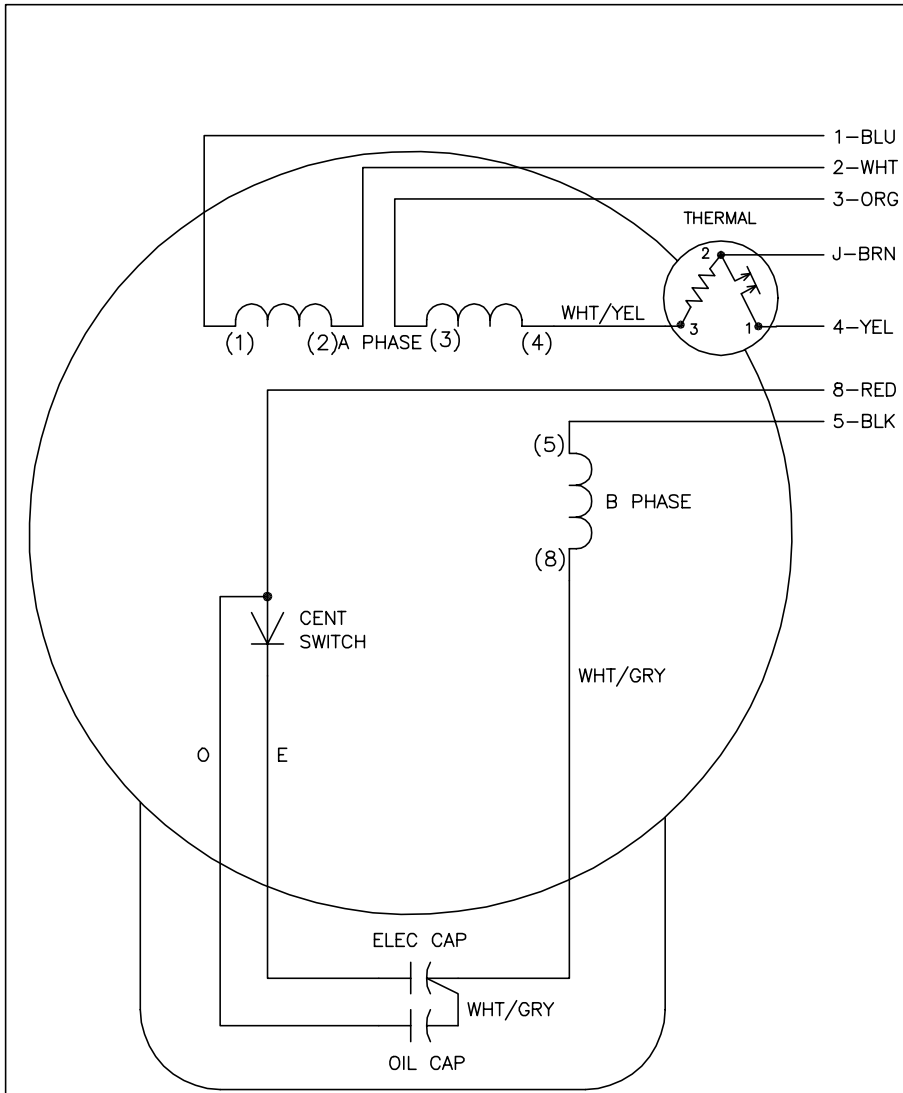
% of Rated Load	25	50	75	100	125	150
Power Factor	53	71	81	86	88	89
Efficiency	63.3	76.2	80.4	81.4	80.7	78.8
Speed	1787	1775	1762	1747	1730	1709
Line amperes	7.25	9	11.3	14	17.1	20.8

Performance Graph at 230V, 60Hz, 3.0HP Typical performance - Not guaranteed values





CD0320



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1,8	4	2,3,5	J
HIGH OPP	1,5	4	2,3,8	J
LOW STD	1,3,8	4	-	2,J,5
LOW OPP	1,3,5	4	-	2,J,8

- NOTES:
1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
 2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
 3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0320

REV. DESC: ADD INTERNAL CONNECTION TO HELP MANUFACTURING		
REV. LTR: G	VERSION: 01	TDR: 000000941594
FILE: \AAA\00007\422	REVISED: 02:21:00 08/28/2015	BY: ENALEMO
MTL: -		

BALDOR

TYPE LC, DV, REV, THERMAL, B PH AMPS THRU HTR HVC, 7 LEAD
SH 1 of 1