ABB BALDOR RELIANCE

Customer information packet

WCL1408T

3HP, 1725RPM, 1PH, 60HZ, 184TCZ, 3634LC, OPEN
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPEN
Frame	184TCZ
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	3.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	C UR US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	16.000 A @ 230.0 V
	16.800 A @ 208.0 V
	32.000 A @ 115.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	78.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	16.0 a

Part Detail

Revision	AQ
Type	AC
Mech. spec.	36E775
Base	
Status	PRD/A
Elec. spec.	36WG2759
Layout	36LYE775
Eff. date	06-24-2026
CD Diagram	CD0016A01
Poles	04
Leads	4#14 A PH,3#16 B PH
Proprietary	False
Created date	01-01-0001

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	4 @ 14 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3634LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	19.69 IN
Power Factor	78
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	Included
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1725 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1256L										
CAT.NO.	WCL1408T									
SPEC.	36E775-2759									
HP	3									
VOLTS	115/230									
AMP	32/16									
RPM	1725									
FRAME	184TCZ	**HZ**	60			**PH**	1			
SER.F.	1.15	**CODE**	H	**DES**	L	**CLASS**	F			
NEMA-NOM-EFF	78	**PF**	78							
RATING	40C AMB-CONT									
CC										
DE	6207	**ODE**	6205							
ENCL	OPEN	**SN**								

Parts List

Part number	Description	Quantity
SA034726	SA 36E775-2759	1.000 ea
RA030754	RA 36E775-2759	1.000 ea
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	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
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 ea
36EP3204D00	MASTER ODE,205 BRG,GRSR,RLF	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 ea
HA1103A08	RODENT SCREEN, 36 FRAME, OPEN, FRONT END	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 ea
HW1000A10	#10 FLAT WASHER (SAE)	4.000 ea
HW1000A10	#10 FLAT WASHER (SAE)	4.000 ea
SP1008A01	BAFFLE, MODEL 36 & 37	1.000 ea
13XF0832A08	8-32 X.50 PAN HD,SLTD, TYPE F SCREW, ZIN	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
36EP1206A24	PU ENDPLATE, MACH	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 ea
36AD2000	AIR BAFFLE	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 ea
HA1102A09	RODENT SCREEN 36 OPEN FAC	2.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 ea
10XN2520A26	1/4-20X 1 5/8 HEX HD	4.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 ea
36CB4516	750LIPPED CB LID - GALVANNEAL	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 ea
HA2009A01	ALUM SLINGER 307 BRG CLOSE CPL PUMP MOTO	1.000 ea
80XN1032J06	10-32 X 3/8 SET SCREW, HEX SOC, CUP PT	1.000 ea
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 ea

HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.022 ga
SP5172A38	37 TYPE LC TORQ STAT SWITCH LEAD ASSEMBL	1.000 ea
36CB5010A01	CAPACITOR BOX KIT, 36CB3800Z, OC3020F12,	1.000 ea
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 ea
LC0016	CONNECTION LABEL	1.000 ea
NP1256L	ALUM UL CC INDUSTRIAL MOTOR A60	1.000 ea
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
FE-0000004	ZRTG FE ASSEMBLY	1.000 ea

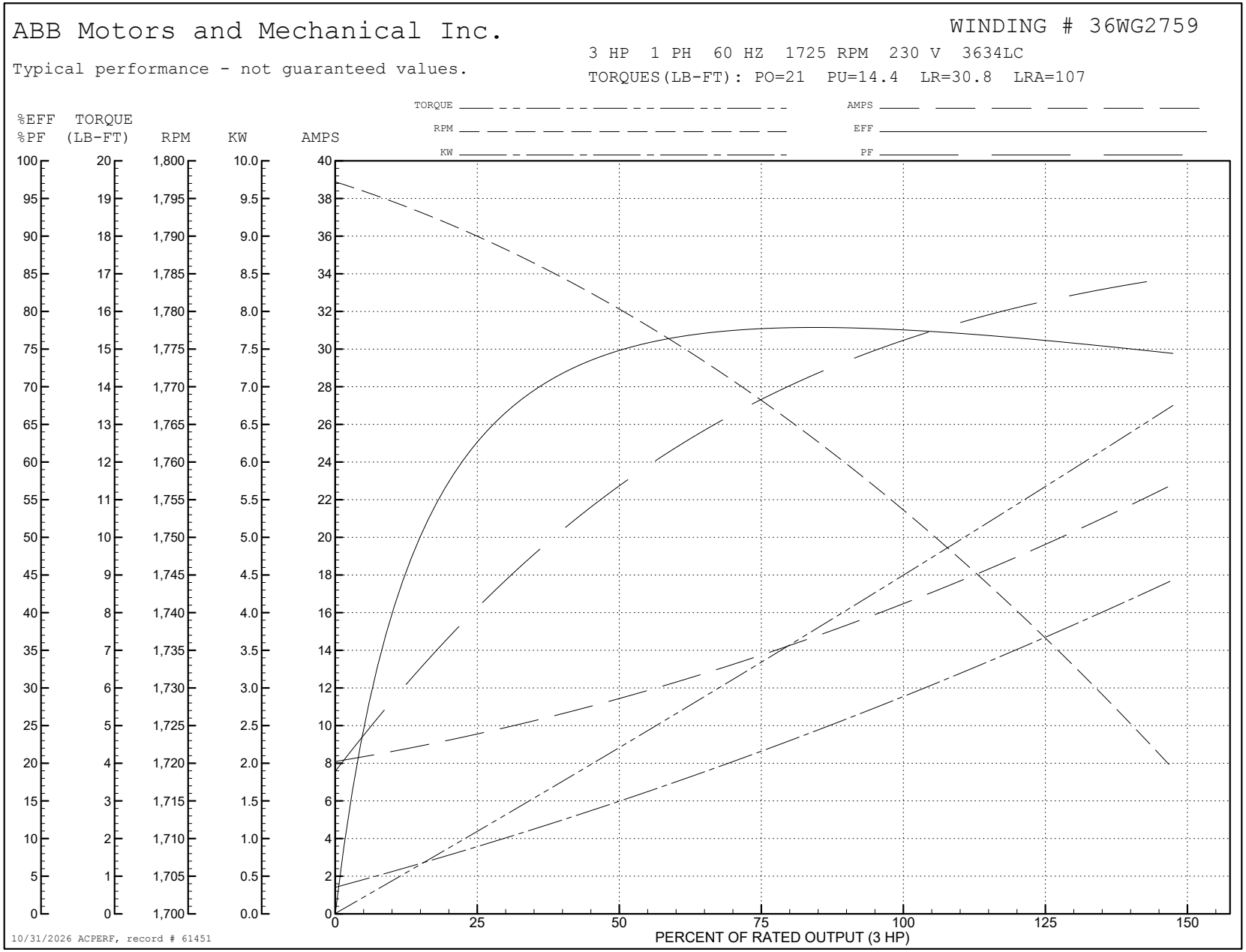
AC Induction Motor Performance Data
Record # 61451
Typical performance - not guaranteed values

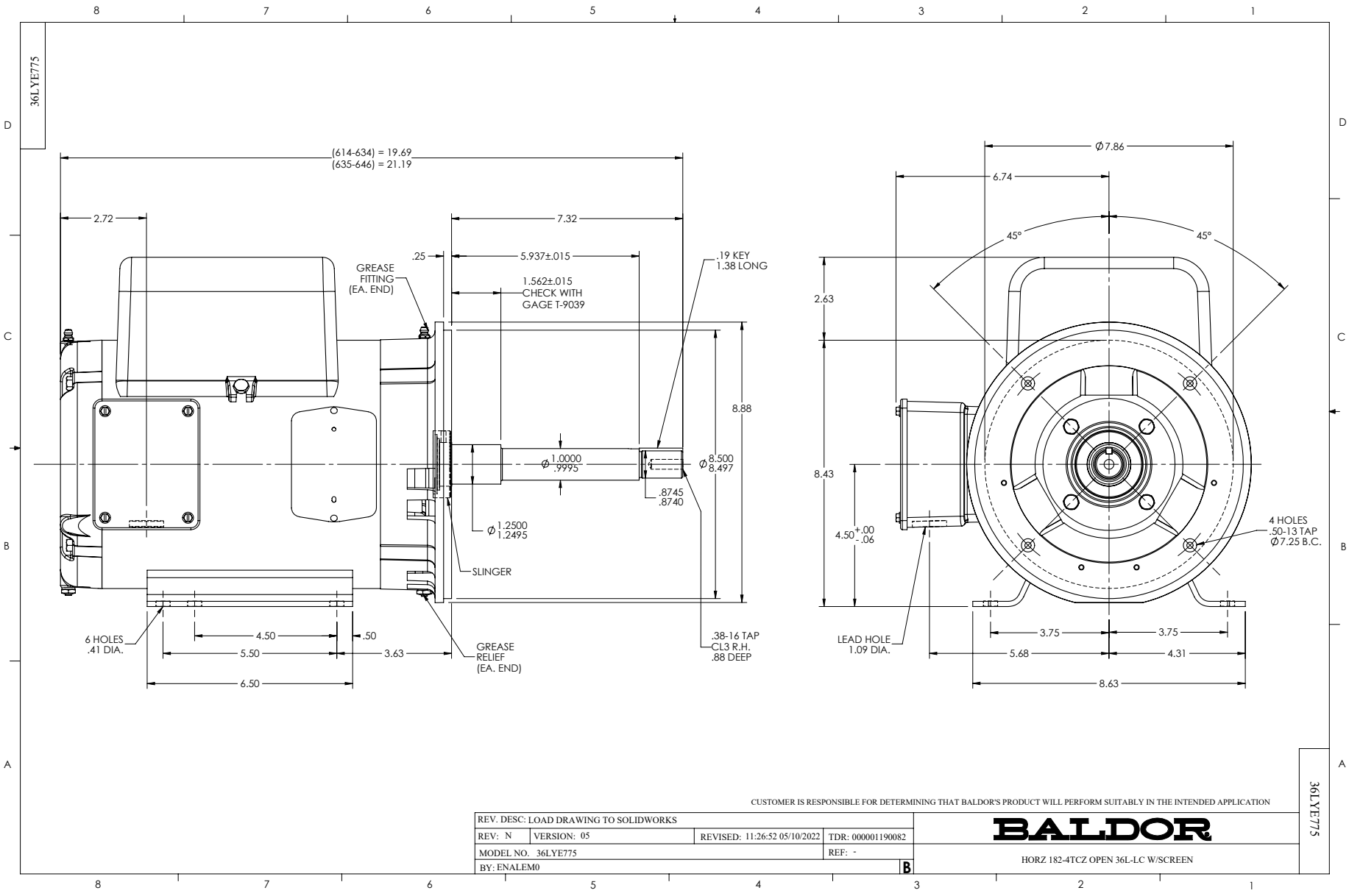
Winding: 36WG2759-R003	**Type:** 3634LC	**Enclosure:** OPEN

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			32/16	**Breakdown Torque**	21 LB-FT
R.P.M.			1725	**Pull-up Torque**	14.4 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	30.8 LB-FT
NEMA Design Code	L	**KVA Code**	H	**Starting Current**	107 A
Service Factor (S.F.)			1.15	**No-load Current**	8.5 A
NEMA Nom. Eff.	78	**Power Factor**	78	**Line-line Res. @ 25ºC**	4.156 Ω A Ph 0.586 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	57°C
S.F. Amps				**Temp. Rise @ S.F. Load**	72°C

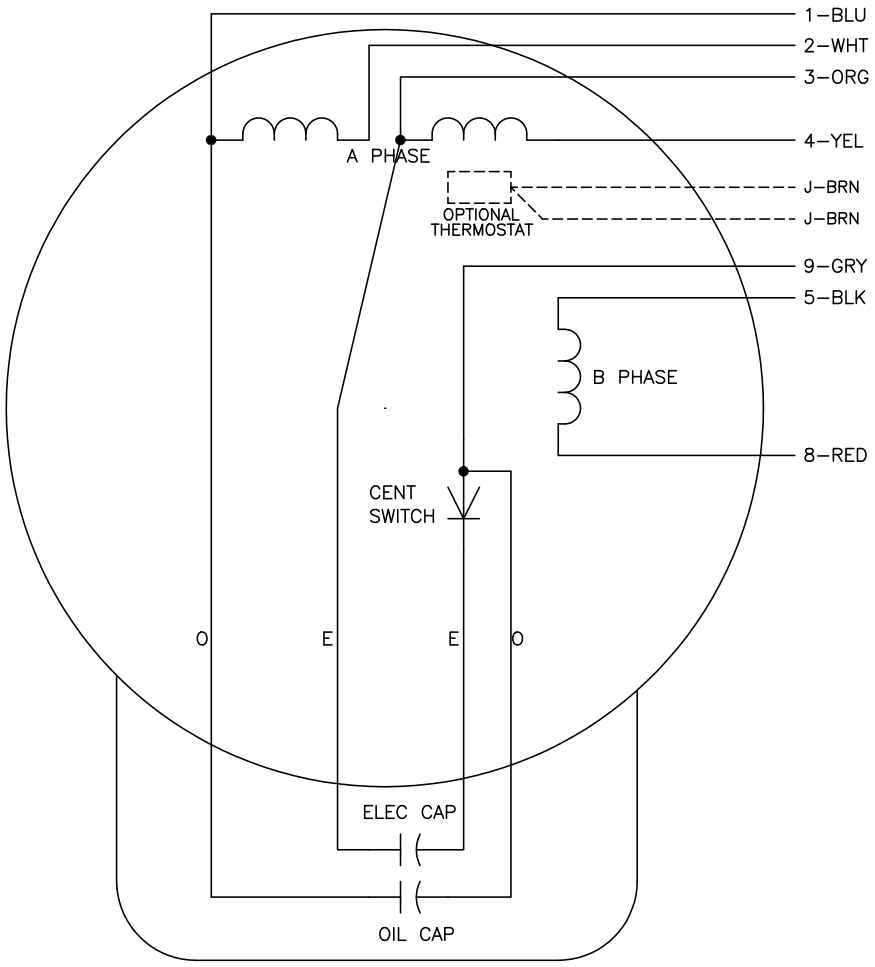
Load Characteristics 230 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	45	64	73	79	85	83	83
Efficiency	62.6	74.9	78.6	78	75	74.9	76.1
Speed	1788	1780	1769	1756	1733	1721	1742
Line amperes	9.1	10.4	15.8	16	19	23	17.8


ABB Motors and Mechanical Inc.
WINDING # 36WG2759
3 HP 1 PH 60 HZ 1725 RPM 230 V 3634LC
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=21 PU=14.4 LR=30.8 LRA=107
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (3 HP)
10/31/2026 ACPERF, record # 61451


36LYE775
(614-634) = 19.69
(635-646) = 21.19
2.72
7.32
.25
5.937±.015
1.562±.015
CHECK WITH
GAGE T-9039
GREASE
FITTING
(EA. END)
.19 KEY
1.38 LONG
8.88
Ø 1.0000
.9995
Ø 8.500
8.497
.8745
.8740
Ø 1.2500
1.2495
SLINGER
6 HOLES
.41 DIA.
4.50
.50
5.50
3.63
6.50
GREASE
RELIEF
(EA. END)
.38-16 TAP
CL3 R.H.
.88 DEEP
Ø7.86
6.74
45°
45°
2.63
8.43
4.50 +.00 -.06
4 HOLES
.50-13 TAP
Ø7.25 B.C.
LEAD HOLE
1.09 DIA.
3.75
3.75
5.68
4.31
8.63
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOAD DRAWING TO SOLIDWORKS
REV: N
VERSION: 05
REVISED: 11:26:52 05/10/2022
TDR: 000001190082
MODEL NO. 36LYE775
REF: -
BY: ENALEM0
B
BALDOR
HORZ 182-4TCZ OPEN 36L-LC W/SCREEN
36LYE775

CD0016A01



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1	4,5	2,3	8,9
HIGH OPP	1	4,8	2,3	5,9
LOW STD	1,3	2,4,5	8,9	–
LOW OPP	1,3	2,4,8	5,9	–

NOTES:

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

CD0016A01

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 04/09/99 1:19	TDR: 0178636
CD0016A01		FILE: AAA00007410	MDL: –
		MTL: –	TYPE LC, DV, REV, OIL CAP ACR. LINE, 7 LEADS