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**									

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

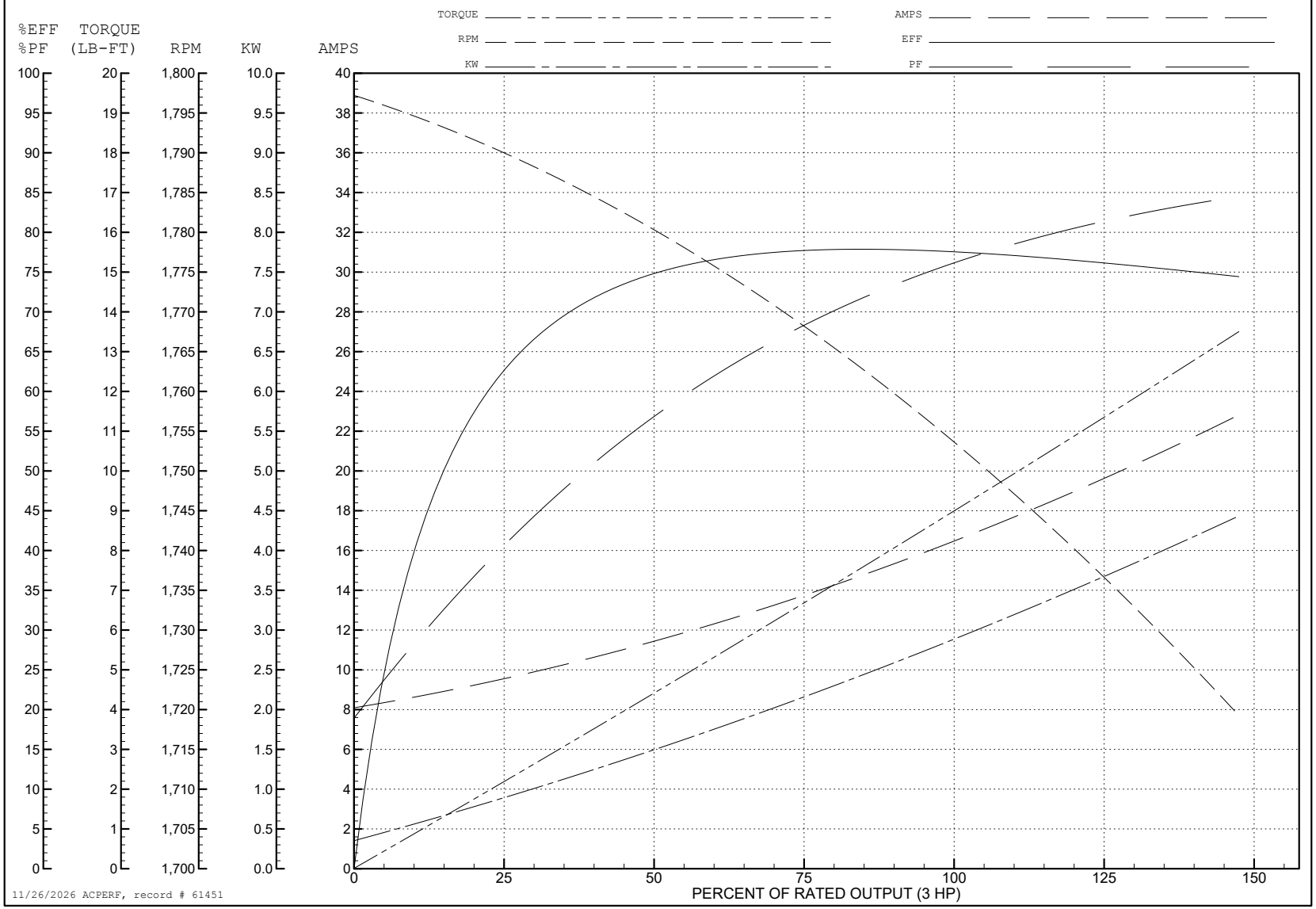
ABB Motors and Mechanical Inc.

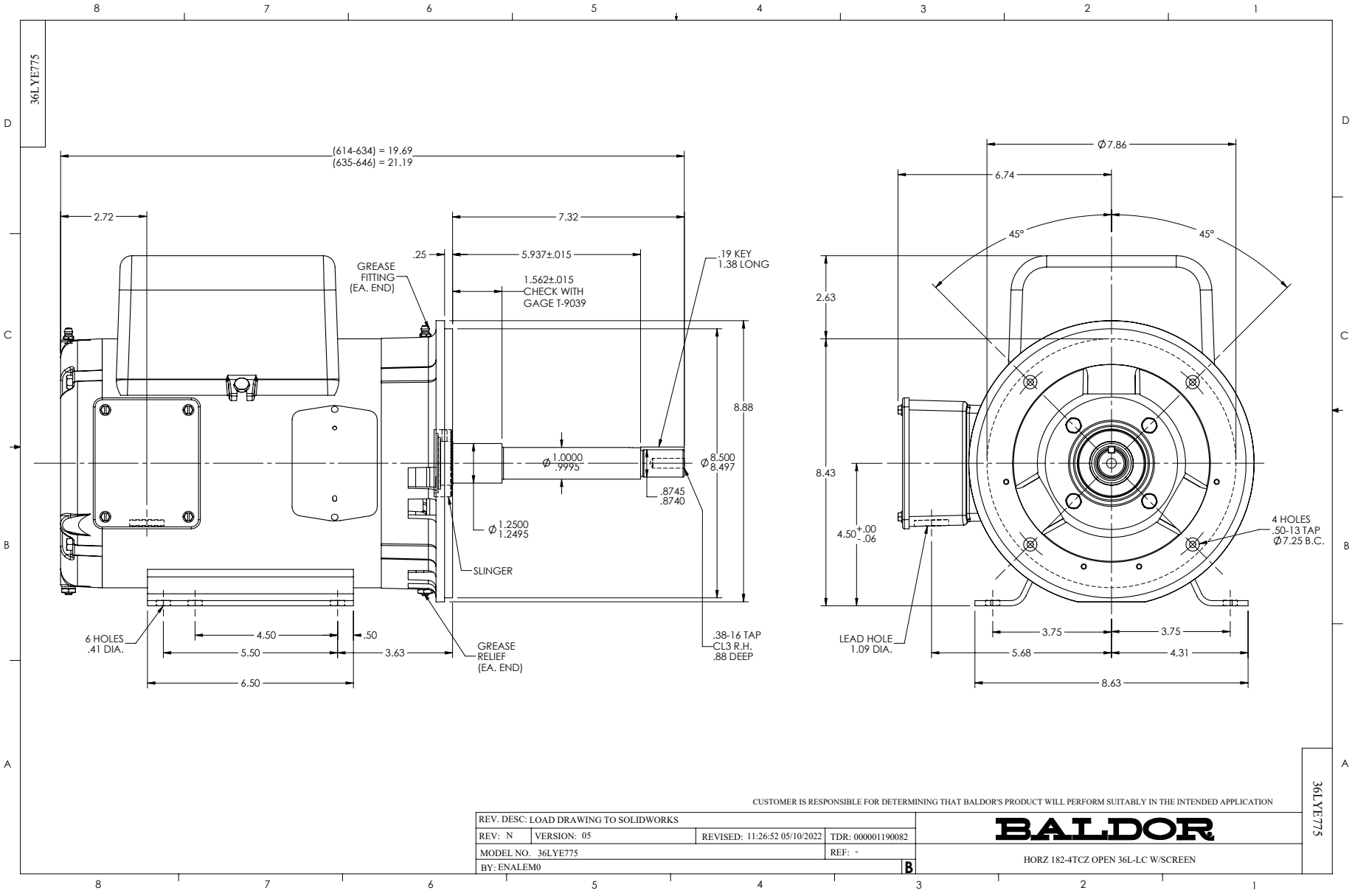
WINDING # 36WG2759

3 HP 1 PH 60 HZ 1725 RPM 230 V 3634LC

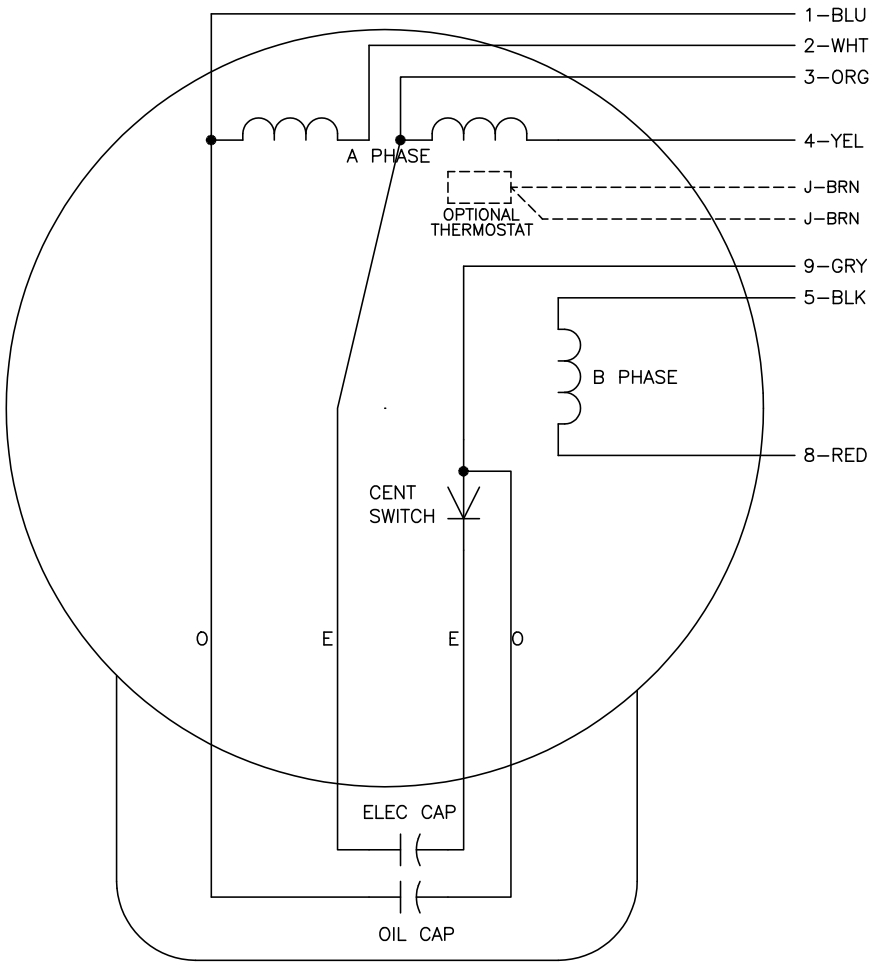
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=21 PU=14.4 LR=30.8 LRA=107




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