Customer information packet

CFSWDL3506

.75HP, 3450RPM, 1PH, 60HZ, 56C, 3516L, TEFC, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	56C
Frame Material	Stainless Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	.750 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	CSA
	UR
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	9.200 A @ 115.0 V
	4.800 A @ 208.0 V
	4.600 A @ 230.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	64.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	4.6 a

Part Detail

Revision	E
Type	AC
Mech. spec.	35E4732
Base	
Status	PRD/A
Elec. spec.	35WGL342
Layout	35LYE4732
Eff. date	08-30-2023
CD Diagram	CD0648
Poles	02
Leads	7#18,0#,0#,0# Y
Proprietary	False
Created date	07-21-2017

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Finish	UNPAINTED
Motor Lead Quantity/Wire Size	@ AWG
	7 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3516L
Mounting Arrangement	F1
Number of Poles	2
Overall Length	13.96 IN
Power Factor	81
Product Family	WD All SD Non-Encapsulated
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.25
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3450 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

NP4427ALG30										
CAT #	CFSWDL3506			**WT**	33		**LBS**			
SPEC	35E4732L342G1			**ENCL**	TEFC					
SER #				**CC**			**IP**	69		
HP	.75						**NEMA NOM. EFF**			64
VOLTS	115/230									
AMPS	9.2/4.6						**PF**	81		
RATING	40C AMB-CONT									
RPM	3450									
FRAME	56C	**HZ**	60	**CODE**	K		**CLASS**			F
SER.F.	1.25	**SF AMP**	11.2/5.6				**PH**	1	**DES**	N
DE	6205		**ODE**	6205						
LUBRICATION	POLYREX EM									
									QR	
YR										

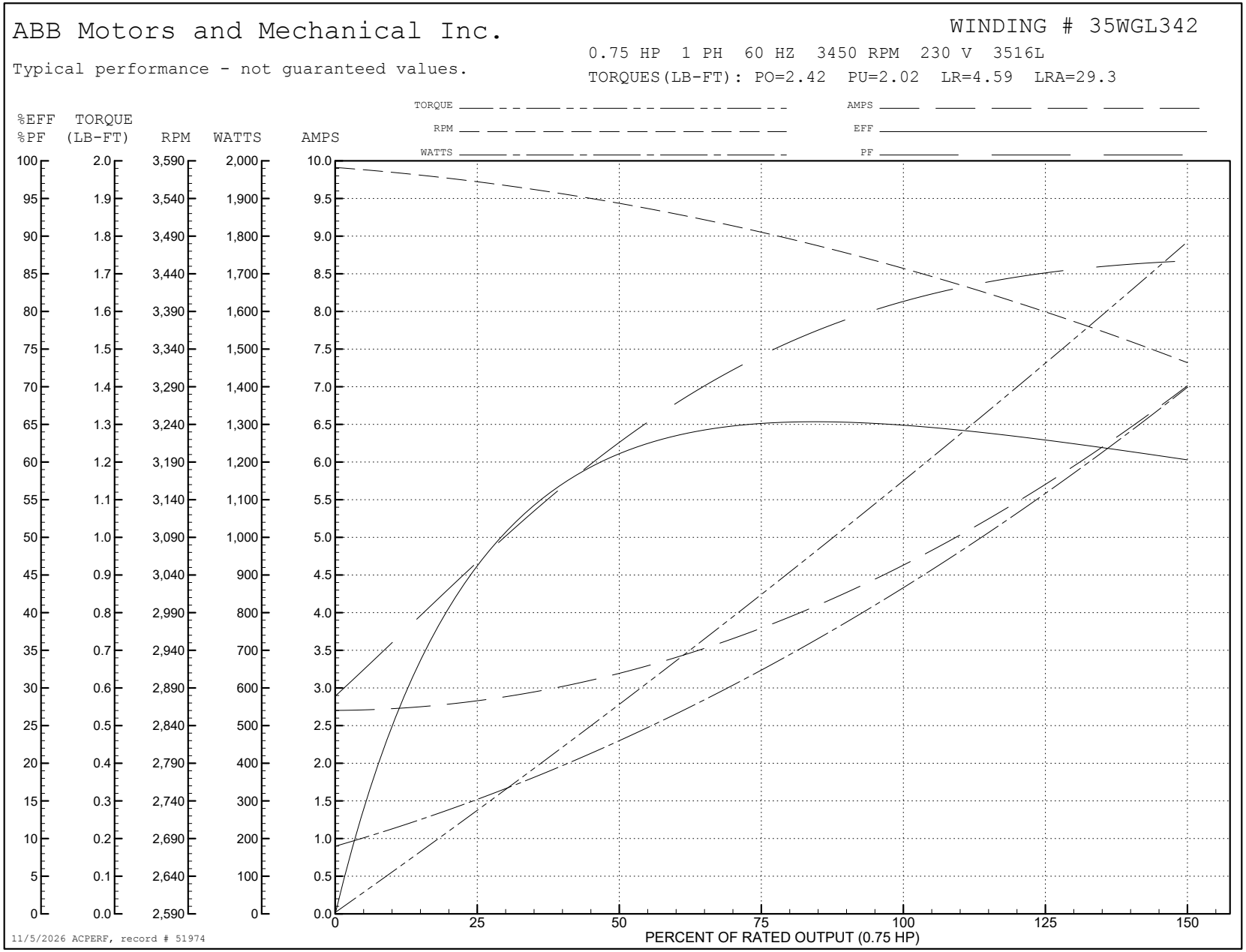
AC Induction Motor Performance Data
Record # 51974
Typical performance - not guaranteed values

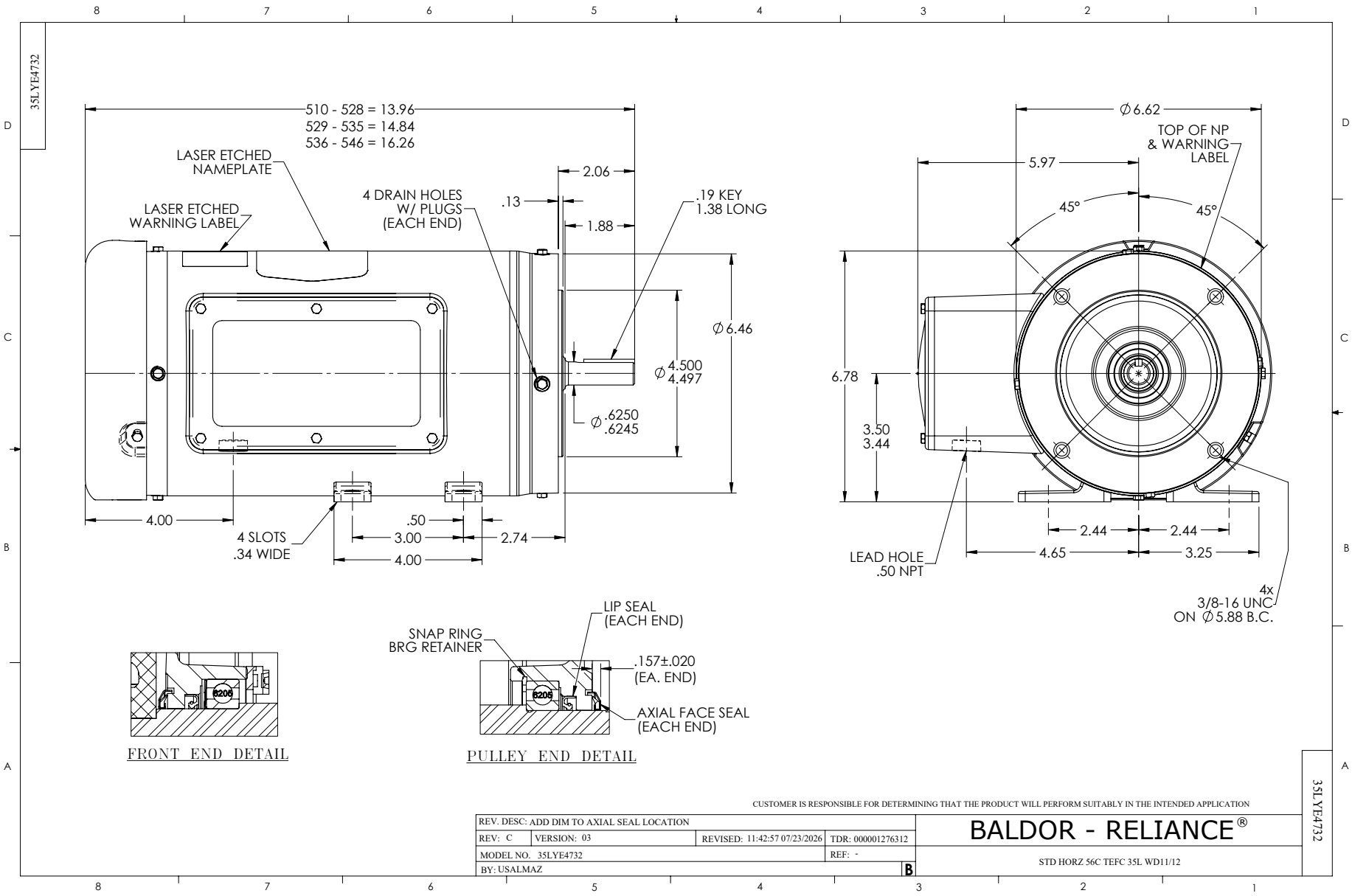
Winding: 35WGL342-R001	**Type:** 3516L	**Enclosure:** TEFC

Nameplate Data				**230 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			.75	**Full Load Torque**	1.14 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			9.2/4.6	**Breakdown Torque**	2.42 LB-FT
R.P.M.			3450	**Pull-up Torque**	2.02 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	4.59 LB-FT
NEMA Design Code	N	**KVA Code**	K	**Starting Current**	29.3 A
Service Factor (S.F.)			1.25	**No-load Current**	2.68 A
NEMA Nom. Eff.	64	**Power Factor**	81	**Line-line Res. @ 25ºC**	3.4258 Ω A Ph 1.1305 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	69°C
S.F. Amps			11.2/5.6	**Temp. Rise @ S.F. Load**	92°C

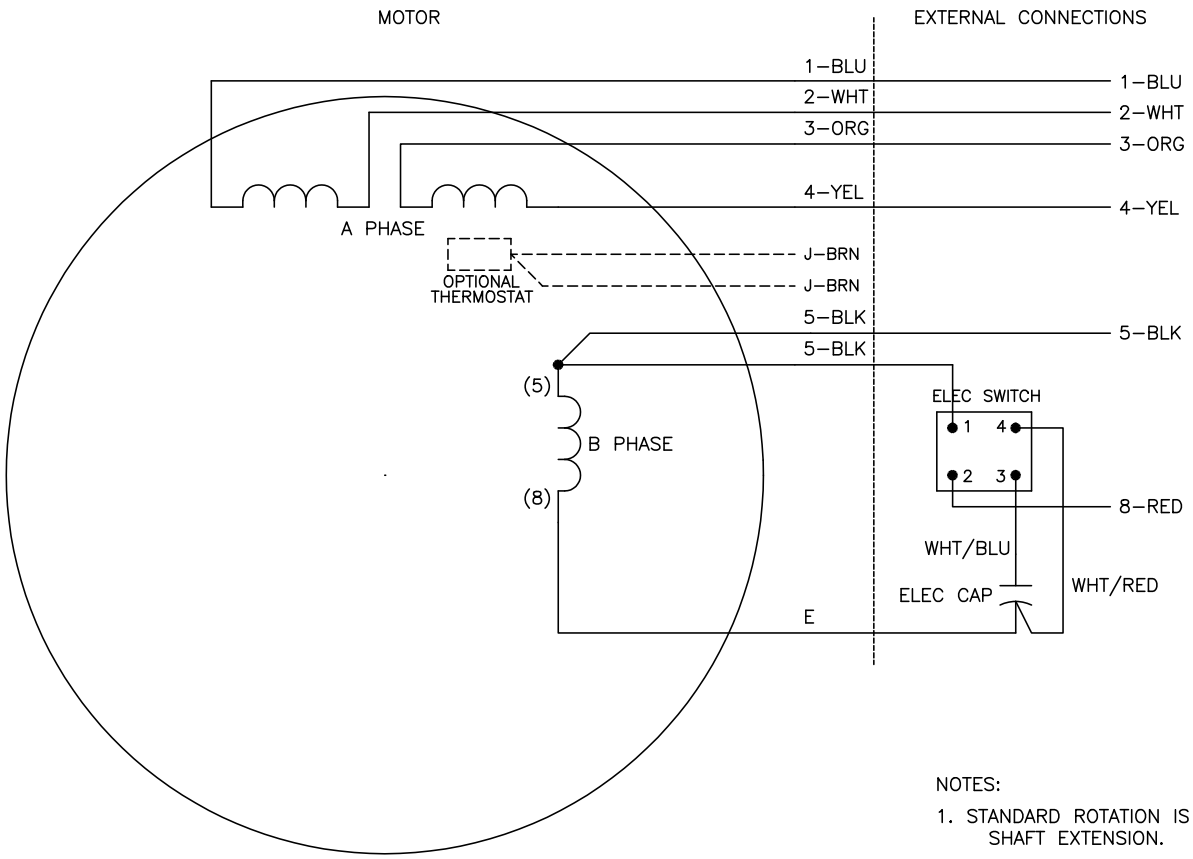
Load Characteristics 230 V, 60 Hz, 0.75 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	48	64	74	81	85	87	85
Efficiency	46.1	59.7	64.7	65.5	64.1	59.7	64.1
Speed	3557.8	3528.3	3494.3	3452.4	3397.8	3316.2	3398
Line amperes	2.84	3.24	3.81	4.59	5.61	7.06	5.61


ABB Motors and Mechanical Inc.
WINDING # 35WGL342
Typical performance - not guaranteed values.
0.75 HP 1 PH 60 HZ 3450 RPM 230 V 3516L
TORQUES(LB-FT): PO=2.42 PU=2.02 LR=4.59 LRA=29.3
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
100 95 90 85 80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0
2.0 1.9 1.8 1.7 1.6 1.5 1.4 1.3 1.2 1.1 1.0 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1 0.0
3,590 3,540 3,490 3,440 3,390 3,340 3,290 3,240 3,190 3,140 3,090 3,040 2,990 2,940 2,890 2,840 2,790 2,740 2,690 2,640 2,590
2,000 1,900 1,800 1,700 1,600 1,500 1,400 1,300 1,200 1,100 1,000 900 800 700 600 500 400 300 200 100 0
10.0 9.5 9.0 8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0
0 25 50 75 100 125 150
PERCENT OF RATED OUTPUT (0.75 HP)
11/5/2026 ACPERF, record # 51974


35LYE4732
510 - 528 = 13.96
529 - 535 = 14.84
536 - 546 = 16.26
LASER ETCHED NAMEPLATE
LASER ETCHED WARNING LABEL
4 DRAIN HOLES W/ PLUGS (EACH END)
2.06
.13
1.88
.19 KEY 1.38 LONG
∅6.46
∅4.500 4.497
∅.6250 .6245
4.00
4 SLOTS .34 WIDE
.50
3.00
2.74
4.00
∅6.62
TOP OF NP & WARNING LABEL
5.97
45°
45°
6.78
3.50 3.44
2.44
2.44
4.65
3.25
LEAD HOLE .50 NPT
4x 3/8-16 UNC ON ∅5.88 B.C.
SNAP RING BRG RETAINER
LIP SEAL (EACH END)
.157±.020 (EA. END)
AXIAL FACE SEAL (EACH END)
6206
6206
FRONT END DETAIL
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADD DIM TO AXIAL SEAL LOCATION
REV: C
VERSION: 03
REVISED: 11:42:57 07/23/2026
TDR: 000001276312
MODEL NO. 35LYE4732
REF: -
BY: USALMAZ
B
BALDOR - RELIANCE®
STD HORZ 56C TEFC 35L WD11/12
35LYE4732

CD0648



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

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. USE STEARNS ELECTRONIC START SWITCH OR EQUIVALENT.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0648

REV. DESC: ADD OPTIONAL LEAD COLORS			BALDOR ELECTRIC Co.
REV. LTR: B	BY: JLP	REVISED: 12/04/00 10:12	TDR: 0226347
CD0648		FILE: AAA00011416	REF: –
		MTL: –	TYPE L, DV, REV, 6 LEAD, SEPERATE CAP AND ELECTRONIC SWITCH