

BALDOR • RELIANCE

Customer information packet

CFSWDL3507

.75HP, 1745RPM, 1PH, 60HZ, 56C, 3530L, TEFC, F1

Class - None

Division - Not Applicable

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 | 1800 RPM @ 60 HZ |
| Voltage @ Frequency | 115.0 V @ 60 HZ 230.0 V @ 60 HZ |
| Agency Approvals | WEEE C UR US |
| Ambient Temperature | 40 °C |
| Auxillary Box | No Auxillary Box |
| Auxillary Box Lead Termination | None |
| Base Indicator | Rigid |
| Bearing Grease Type | Polyrex EM (-20F +300F) |
| Blower | None |
| Current @ Voltage | 4.100 A @ 230.0 V 8.200 A @ 115.0 V |
| Design Code | N |
| Drip Cover | No Drip Cover |
| Duty Rating | CONT |
| Efficiency @ 100% Load | 74.0 % |
| Electrically Isolated Bearing | Not Electrically Isolated |
| Feedback Device | NO FEEDBACK |
| Front Shaft Indicator | None |
| Heater Indicator | No Heater |
| High Voltage Full Load Amps | 4.1 a |
| Insulation Class | F |

Part detail

| | |
|--------------|------------|
| Revision | C |
| Type | AC |
| Mech. spec. | 35E4732 |
| Base | |
| Status | PRD/A |
| Elec. spec. | 35WGG409 |
| Layout | 35LYE4732 |
| Eff. date | 12-03-2024 |
| CD Diagram | CD0648 |
| Poles | 04 |
| Leads | 7#18 |
| Proprietary | False |
| Created date | 02-23-2023 |

| | |
|-------------------------------|----------------------------|
| 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 | 7 @ 18 AWG |
| Motor Lead Termination | Flying Leads |
| Motor Standards | NEMA |
| Motor Type | 3530L |
| Mounting Arrangement | F1 |
| Number of Poles | 4 |
| Overall Length | 14.83 IN |
| Power Factor | 78 |
| 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 | 1.15 |
| Shaft Diameter | 0.625 IN |
| Shaft Ground Indicator | No Shaft Grounding |
| Shaft Rotation | Reversible |
| Shaft Slinger Indicator | No Slinger |
| Speed | 1745 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 # | CFSWDL3507 | | | WT | 33 | LBS | |
| SPEC | 35E4732G409G1 | | | ENCL | TEFC | | |
| SER # | | CC | | IP | 69 | | |
| HP | .75 | | | NEMA NOM. EFF | 74 | | |
| VOLTS | 115/230 | | | | | | |
| AMPS | 8.2/4.1 | | | PF | 78 | | |
| RATING | 40C AMB-CONT | | | | | | |
| RPM | 1745 | | | | | | |
| FRAME | 56C | HZ | 60 | CODE | K | CLASS | F |
| SER.F. | 1.15 | SF AMP | | PH | 1 | DES | N |
| DE | 6205 | ODE | 6205 | | | | |
| LUBRICATION | POLYREX EM | | | | | | |
| | | | | | | QR | |
| YR | | | | | | | |

Parts list

| Part number | Description | Quantity |
|--------------|--|----------|
| SA414930 | SA 35E4732G409G1 | 1.000 ea |
| RA406699 | RA 35E4732G409G1 | 1.000 ea |
| EC1460A05SP | ELEC CAP, 460-552 MFD, 125V, 2.06D X 3. | 1.000 ea |
| WD3006A01 | RSS-2-103JT 2W 10K RES. METAL OXIDE 5% | 1.000 ea |
| ES5503 | 115/40A,L ,CV ,130CO,.8*2.2*1.4,*4-7-2 | 1.000 ea |
| 11XW1032G06 | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 1.000 ea |
| 35EP1940A05 | FRONT TEFC 205 BRG (STAINLESS) | 1.000 ea |
| RM1070A25 | O-RING, VITON/FKM .070CS X 6.190ID | 1.000 ea |
| HW4600G01 | .984X1.499X.25 VITON SLICK SERIES LIP | 1.000 ea |
| HW4600E99 | 25 X 42 X 6 AFX SEAL, GRAPHITE INFUSED V | 1.000 ea |
| HW4500S33 | 1/8 NPT STAINLESS #304 SS PLUG | 4.000 ea |
| HW4500S33 | 1/8 NPT STAINLESS #304 SS PLUG | 4.000 ea |
| HW5100A05 | WVY WSHR F/205 & 304 BRGS | 1.000 ea |
| 35EP1935A02 | PULLEY 56C/143-5TC ENCL 205 BRG | 1.000 ea |
| RM1070A25 | O-RING, VITON/FKM .070CS X 6.190ID | 1.000 ea |
| HW4600G01 | .984X1.499X.25 VITON SLICK SERIES LIP | 1.000 ea |
| HW4600E99 | 25 X 42 X 6 AFX SEAL, GRAPHITE INFUSED V | 1.000 ea |
| RM1070A26 | O-RING,4.5MM I.D.X1.5MM C.S. (VITON) | 4.000 ea |
| 35FH4005A39 | IEC FH NO GREASER DEBURR/CLEAN - SS | 1.000 ea |
| 10XN1032FS06 | HEX HD CAP SCREW 10-32 X 3/8 SS FOOD SAF | 3.000 ea |
| 35CB1510A01G | 35 CB LID SINGLE PHASE MACHINED W/ FIPG | 1.000 ea |
| 10XN1032FS08 | HEX HD CAP SCREW 10-32 X 1/2 SS FOOD SAF | 6.000 ea |
| HW2502D13 | SS KEY, 3/16 SQ X 1.375 | 1.000 ea |
| HA7000A04 | KEY RETAINER 0.625 DIA SHAFTS | 1.000 ea |
| MJ5001A27 | 32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL | 0.005 qt |
| MJ5004A93 | FOOD GRADE (H1 RATED) ANTISEIZE THRD COM | 0.005 ea |
| HA5027A09 | DRAIN KIT,(2)HA4002A03 BAGGED W/LABEL | 1.000 ea |
| WD1000A15 | 3-520132-2 AMP FLAG (4M/RL NON-CANC/NON- | 2.000 ea |
| MJ1000A02 | GREASE, POLYREX EM EXXON | 0.050 lb |
| WD5603A02 | KIT, CLOSED-END LEAD SPLICE (18-14GA) | 1.000 ea |
| HA7724 | CAPACITOR CLAMP & SWITCH BRACKET FOR 35C | 1.000 ea |

| | | |
|---------------|--|----------|
| 51XW0832A07 | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 2.000 ea |
| 51XN1032A08 | 10-32 X 0.500 HX WS SL SR ZN | 1.000 ea |
| 35FN3002A05SP | EXFN, PLASTIC, 6.376 OD, .638 ID | 1.000 ea |
| 11XB1214S16 | 12-14X1.00 HXWSSLD TYP B STAINLESS | 1.000 ea |
| HA3100FS60 | THRUBOLT, 10-32 X 10.375 SS FOOD SAFE | 4.000 ea |
| 36PA1000 | PKG GRP, PRINT PK1016A06 | 1.000 ea |
| MN416A01 | TAG-INSTAL-MAINT no wire (2500bx)4/22 | 1.000 ea |
| FE-0000016 | ZTRG FE ASSEMBLY | 1.000 ea |
| PE-0000010 | ZRTG PE ASSEMBLY | 1.000 ea |

AC Induction Motor Performance Data

Record # 89159

Typical performance - not guaranteed values

| Winding: 35WGG409-R001 | | Type: 3530L | Enclosure: TEFC | |
|------------------------|-----------------|---------------------------|---|-----------------------------|
| Nameplate Data | | | 115 V, 60 Hz: Low Voltage Connection | |
| Rated Output (HP) | .75 | Full Load Torque | 2.23 LB-FT | |
| Volts | 115/230 | Start Configuration | direct on line | |
| Full Load Amps | 8.2/4.1 | Breakdown Torque | 5.29 LB-FT | |
| R.P.M. | 1745 | Pull-up Torque | 3.99 LB-FT | |
| Hz | 60 Phase | 1 | Locked-rotor Torque | 8.9 LB-FT |
| NEMA Design Code | N KVA Code | K | Starting Current | 51.11 A |
| Service Factor (S.F.) | 1.25 | No-load Current | 4.46 A | |
| NEMA Nom. Eff. | 74 Power Factor | 78 | Line-line Res. @ 25°C | 0.917 Ω A Ph 1.84 Ω B Ph |
| Rating - Duty | 40C AMB-CONT | Temp. Rise @ Rated Load | | |
| S.F. Amps | 9.9/4.95 | Temp. Rise @ S.F. Load | | |
| | | Locked-rotor Power Factor | 95.6 | |
| | | Rotor inertia | 0.217 lb-ft ² | |

Load Characteristics 115 V, 60 Hz, 0.75 HP

| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 | S.F. |
|-----------------|------|------|------|------|------|------|------|
| Power Factor | 41 | 59 | 71 | 77 | 82 | 85 | 82 |
| Efficiency | 61.6 | 73 | 75.5 | 75.4 | 73.4 | 70.2 | 73.4 |
| Speed | 1786 | 1773 | 1759 | 1744 | 1726 | 1702 | 1726 |
| Line amperes | 4.81 | 5.65 | 6.82 | 8.22 | 9.88 | 11.8 | 9.88 |

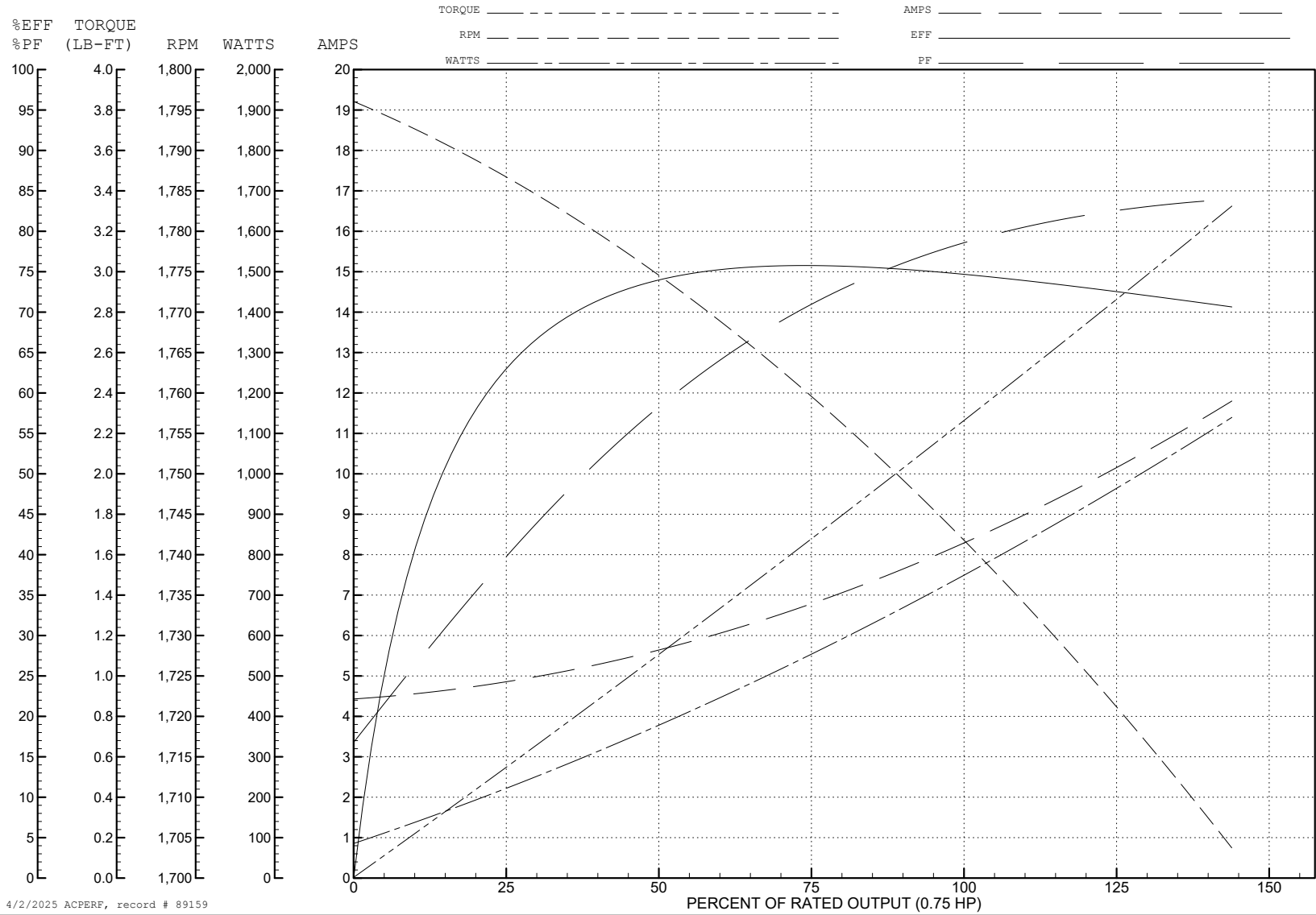
ABB Motors and Mechanical Inc.

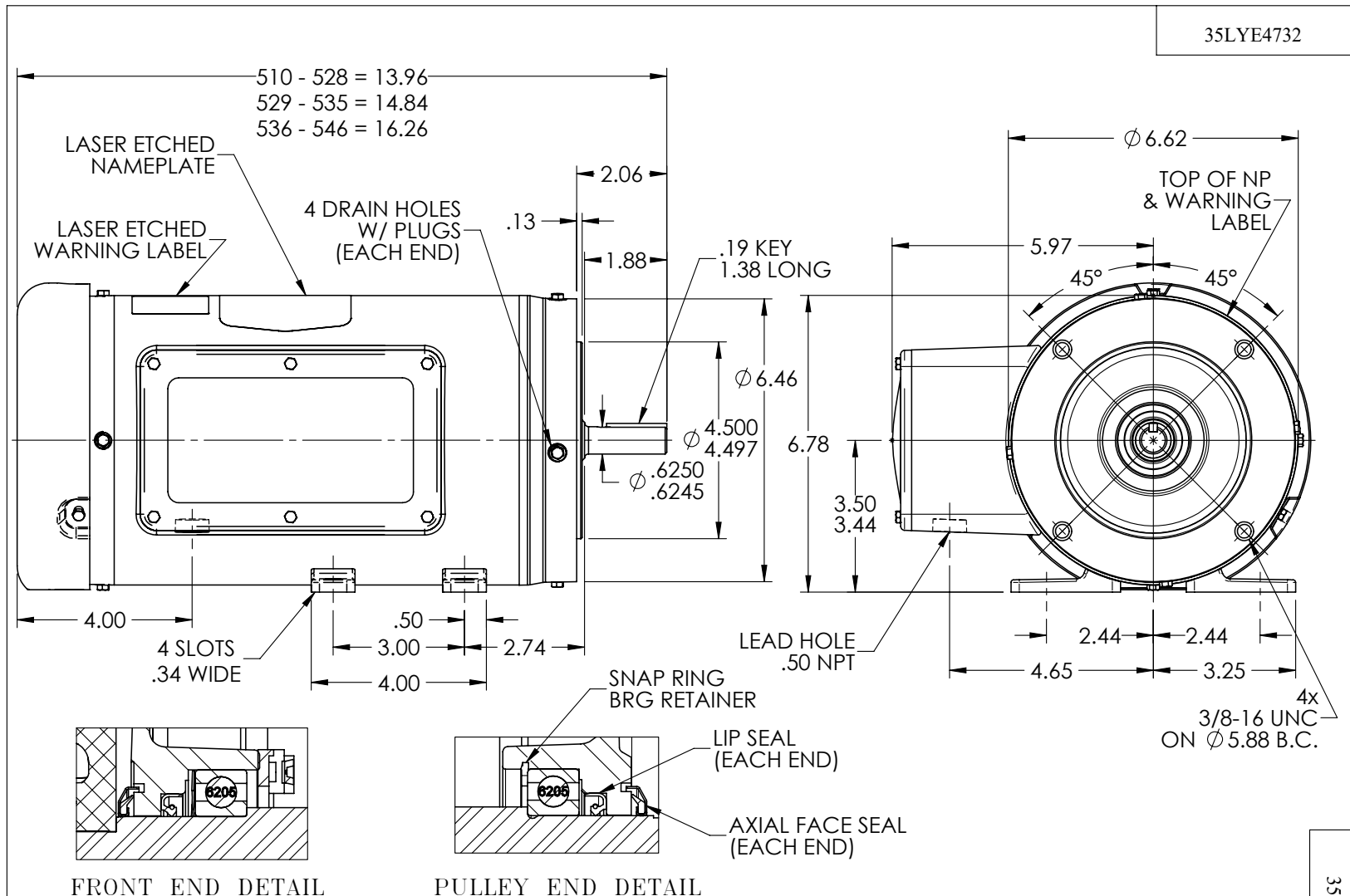
WINDING # 35WGG409

Typical performance - not guaranteed values.

0.75 HP 1 PH 60 HZ 1745 RPM 115 V 3530L

TORQUES (LB-FT): PO=5.29 PU=3.99 LR=8.9 LRA=51.11





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

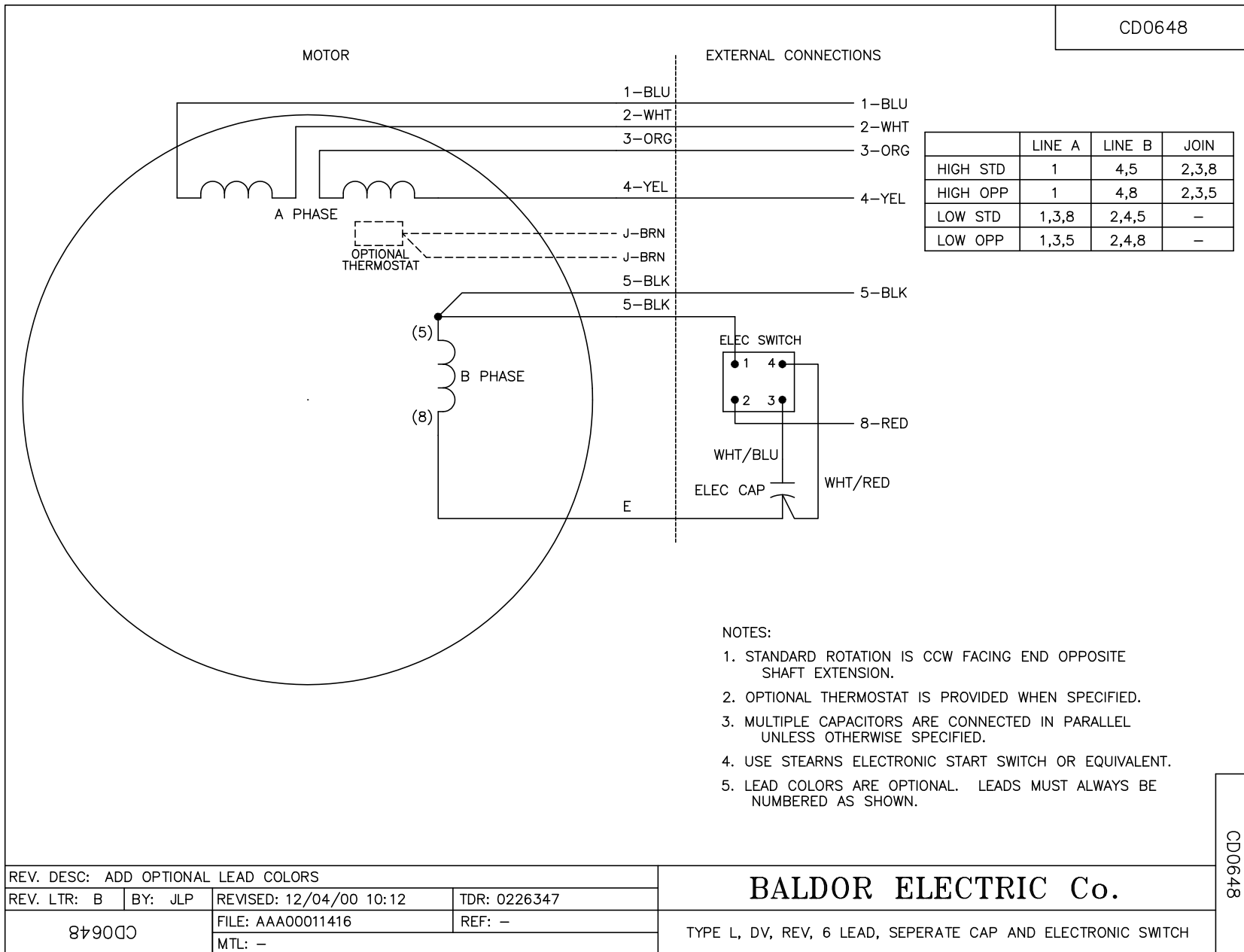
| | | | |
|---|-------------|------------------------------|-------------------|
| REV. DESC: REMOVE FACE DRAINS & DRAIN FTG; ADD DRAIN PLUG | | | |
| REV: A | VERSION: 01 | REVISED: 09:24:42 06/14/2023 | TDR: 000001202627 |
| 35LYE4732 | | MODEL NO. 35LYE4732 | REF: - |
| | | BY: ENFRAJ0 | |

BALDOR

STD HORZ 56C TEFC 35L WD11/12

35LYE4732

CD0648



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 | | | |
| REV. LTR: B | BY: JLP | REVISED: 12/04/00 10:12 | TDR: 0226347 |
| 879000 | | FILE: AAA00011416 | REF: - |
| | | MTL: - | |

BALDOR ELECTRIC Co.

TYPE L, DV, REV, 6 LEAD, SEPERATE CAP AND ELECTRONIC SWITCH