# Customer information packet

## CEWDM3611T

30M 4P TEFC HOR 182TC SP.#9 (HOSE DOWN
Class - None
Division - Not Applicable

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## Specifications

| | |
|---|---|
| **Enclosure** | TEFC |
| **Frame** | 182TC |
| **Frame Material** | Steel |
| **Frequency** | 60.00 Hz |
| **Haz Area Class and Group** | None |
| **Haz Area Division** | Not Applicable |
| **Motor Letter Type** | Three Phase |
| **Output @ Frequency** | 3.000 HP @ 60 HZ |
| **Phase** | 3 |
| **Synchronous Speed @ Frequency** | 1800 RPM @ 60 HZ |
| **Voltage @ Frequency** | 230.0 V @ 60 HZ |
| | 460.0 V @ 60 HZ |
| **Agency Approvals** | NEMA PREMIUM |
| **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** | 8.800 A @ 208.0 V |
| | 8.320 A @ 230.0 V |
| | 4.160 A @ 460.0 V |
| **Design Code** | B |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 89.5 % |
| **Electrically Isolated Bearing** | Not Electrically Isolated |
| **Feedback Device** | NO FEEDBACK |
| **Front Shaft Indicator** | None |
| **Heater Indicator** | No Heater |
| **High Voltage Full Load Amps** | 4.2 a |
| **Insulation Class** | F |

## Part Detail

| | |
|---|---|
| **Revision** | - |
| **Type** | AC |
| **Mech. spec.** | 36K190 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 36WGZ650 |
| **Layout** | 36LYK190 |
| **Eff. date** | 04-21-2026 |
| **CD Diagram** | CD0005 |
| **Poles** | 04 |
| **Leads** | 9#16 |
| **Proprietary** | False |
| **Created date** | 01-12-2026 |

| | |
|---|---|
| **Inverter Code** | Inverter Ready |
| **KVA Code** | K |
| **Lifting Lugs** | No Lifting Lugs |
| **Locked Bearing Indicator** | Locked Bearing |
| **Motor Lead Quantity/Wire Size** | 9 @ 16 AWG |
| **Motor Lead Termination** | Flying Leads |
| **Motor Standards** | NEMA |
| **Motor Type** | 3630M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 4 |
| **Overall Length** | 16.54 IN |
| **Power Factor** | 74 |
| **Product Family** | Wash Down |
| **Pulley End Bearing Type** | Ball |
| **Pulley Face Code** | C-Face |
| **Pulley Shaft Indicator** | Standard |
| **Rodent Screen** | None |
| **Service Factor** | 1.15 |
| **Shaft Diameter** | 1.125 IN |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | No Slinger |
| **Speed** | 1764 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**

| NP1669L | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CAT.NO.** | CEWDM3611T | | | | | | | | |
| **SPEC.** | 36K190Z650 | | | | | | | | |
| **HP** | 3 | | | | | | | | |
| **VOLTS** | 230/460 | | | | | | | | |
| **AMP** | 8.4/4.2 | | | | | | | | |
| **RPM** | 1765 | | | | | | | | |
| **FRAME** | 182TC | **HZ** | 60 | | | **PH** | 3 | | |
| **SER.F.** | 1.15 | **CODE** | K | **DES** | B | **CLASS** | F | | |
| **NEMA-NOM-EFF** | 89.5 | **PF** | 74 | | | | | | |
| **RATING** | 40C AMB-CONT | | | | | | | | |
| **CC** | 010A | | | | | | | | |
| **DE** | 6206 | **ODE** | 6205 | | | | | | |
| **ENCL** | TEFC | **SN** | | | | | | | |
| **BLANK** | 20:1CT, 20:1VT | | | | | | | | |

**Parts List**

| Part number | Description | Quantity |
|---|---|---|
| SA447286 | SA 36K190Z650 | 1.000 ea |
| RA439894 | RA 36K190Z650 | 1.000 ea |
| 36FN3000C01SP | EXFN, PLASTIC, 5.25 OD, .912 ID | 1.000 ea |
| 36CB3005A03W | 36 CB .75 NPT @ 6 W/WHITE EPOXY | 1.000 ea |
| 35GS1022A03 | GASKET BOX .125 THK WHITE NEOPRENE | 1.000 ea |
| 51XB1016A08 | 10-16X 1/2HXWSSLD SERTYB | 2.000 ea |
| HA5027A01 | HA4066A01 T-DRAIN X2 BAGGED | 1.000 ea |
| 11XW1032G06 | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 1.000 ea |
| 36EP3104A03MW | FREP MACH (RAISED FH PADS) WHITE EPOXY | 1.000 ea |
| HW4032A01 | BLACK DRAIN PLUG FOR WASH DOWN MOTORS | 3.000 ea |
| HW5100A05 | WVY WSHR F/205 & 304 BRGS | 1.000 ea |
| 36PE3301A27MW | PUEP ASSEMBLY FOR ROUTING PURPOSES | 1.000 ea |
| HW4032A01 | BLACK DRAIN PLUG FOR WASH DOWN MOTORS | 3.000 ea |
| HW4600B50 | SEAL 1.156 X 1.874 X 0.250 SINGLE LIP DB | 1.000 ea |
| 10XN2520S26 | 1/4-20X 1 5/8 HEX HD SS | 4.000 ea |
| 36FH4010A08 | IEC FH NO GREASER - W/PRIMER | 1.000 ea |
| 11XW1032S06 | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 3.000 ea |
| 36CB4518 | 36 LIPPED CB LID PRIMED | 1.000 ea |
| 37GS3010SP | 1/16"WHITE LID GASKET | 1.000 ea |
| 59XW0832S07 | TAPTITE II,HEX WSHR UNSLTD SER,410 S.S., | 4.000 ea |
| HW4600B32SP | V-RING SLINGER 1.000 X 1.540 X .24 VITON | 1.000 ea |
| HW4600B36SP | V-RING SLINGER 1.188 X 1.380 X .24 VITON | 1.000 ea |
| HW2502E16 | #303 SS,SQ KEY 1/4 X 1.750 | 1.000 ea |
| MJ5001A27 | 32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL | 0.001 qt |
| 85XU0407S04 | 4X1/4 U DRIVE PIN STAINLESS | 2.000 ea |
| LB1164 | LABEL,WARNING AND DRAIN | 1.000 ea |
| MJ1000A02 | GREASE, POLYREX EM EXXON | 0.050 lb |
| 51XB1214A16 | 12-14X1.00 HXWSSLD SERTYB | 1.000 ea |
| MG1025Z02 | ACTIVATOR WILKOFAST 060.02HF | 0.010 ga |
| MG1025W01 | WILKOFAST, 781.01, SIGNAL WHITE #9003 | 0.022 ga |
| HA3101S25 | THRUBOLT 1/4-20 X 11.00 | 4.000 ea |

| | | |
|---|---|---|
| LC0005 | CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING | 1.000 ea |
| NP1669L | SS WD SUPER-E UL PREM REV MTG | 1.000 ea |
| 36PA1001 | PKG GRP, PRINT PK1017A07 | 1.000 ea |
| MN416A01 | TAG-INSTAL-MAINT no wire (2500 bx)11/25 | 1.000 ea |
| FE-0000001 | ZRTG FE ASSEMBLY | 1.000 ea |

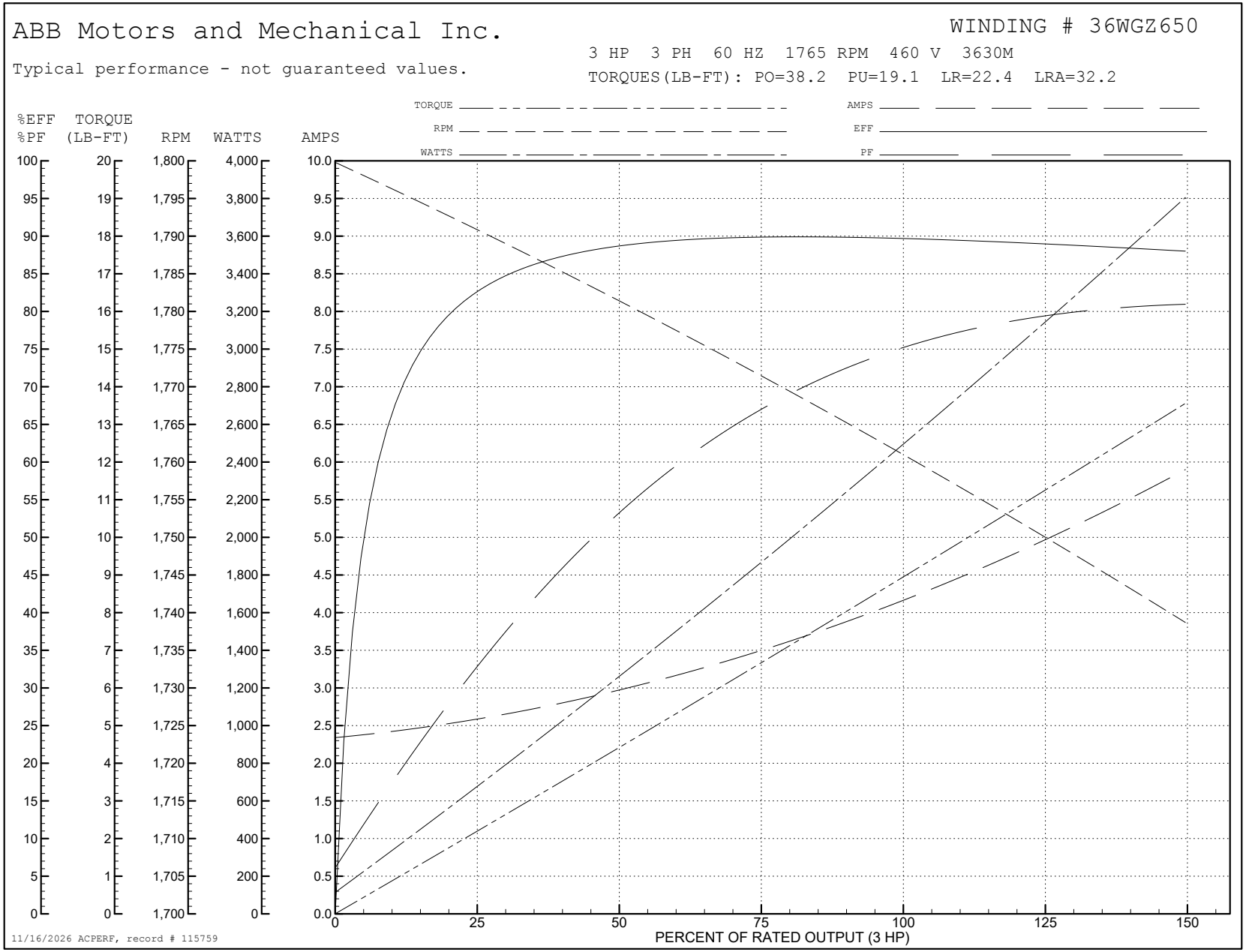
**AC Induction Motor Performance Data**
Record # 115759
Typical performance - not guaranteed values

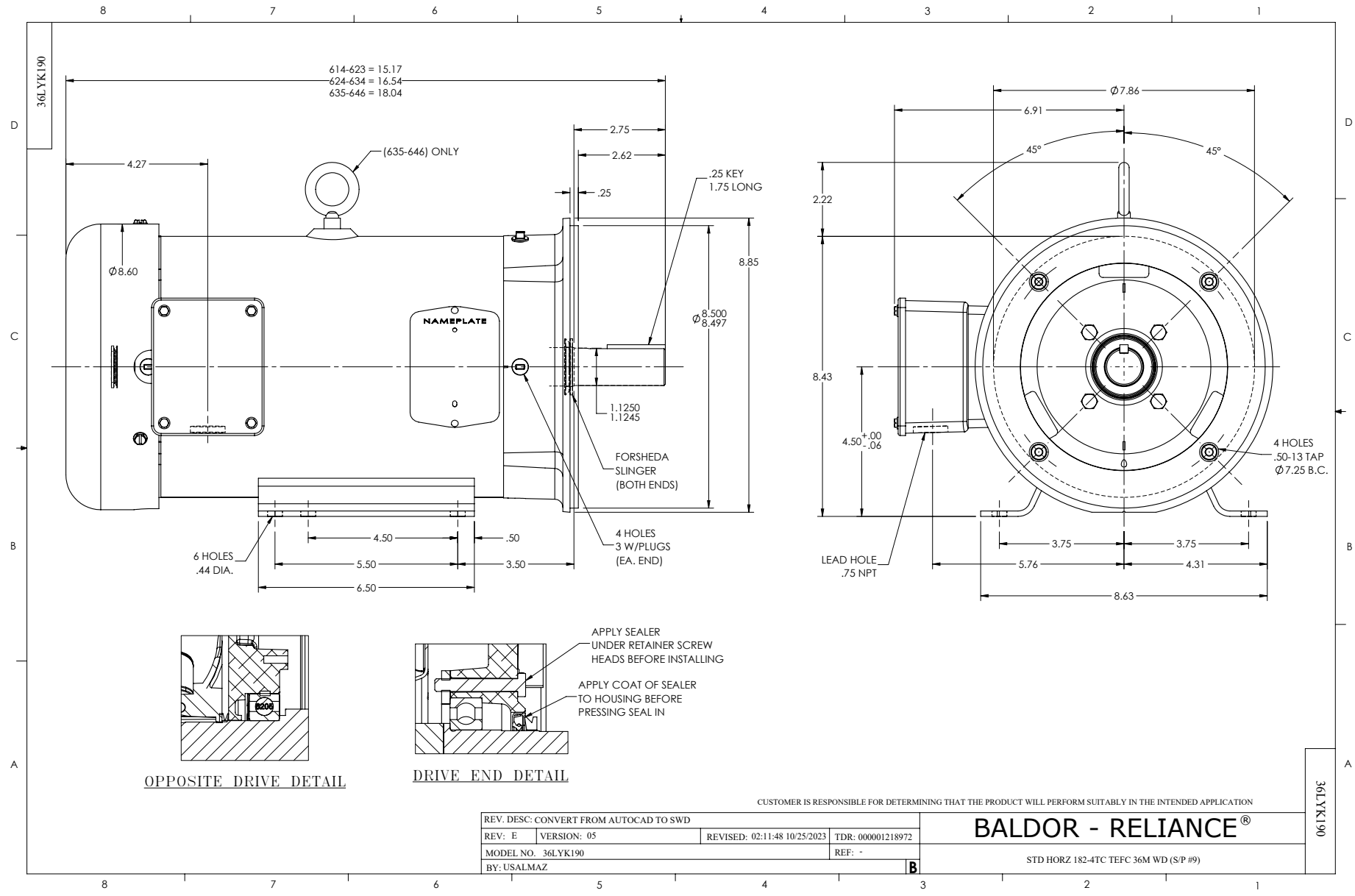
| **Winding:** 36WGZ650-R001 | **Type:** 3630M | **Enclosure:** TEFC |
|---|---|---|

| **Nameplate Data** | | | | **460 V, 60 Hz: High Voltage Connection** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | 3 | **Full Load Torque** | 8.942 LB-FT |
| **Volts** | | | 230/460 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 8.4/4.2 | **Breakdown Torque** | 38.2 LB-FT |
| **R.P.M.** | | | 1765 | **Pull-up Torque** | 19.1 LB-FT |
| **Hz** | 60 | **Phase** | 3 | **Locked-rotor Torque** | 22.4 LB-FT |
| **NEMA Design Code** | B | **KVA Code** | K | **Starting Current** | 32.2 A |
| **Service Factor (S.F.)** | | | 1.15 | **No-load Current** | 2.38 A |
| **NEMA Nom. Eff.** | 89.5 | **Power Factor** | 74 | **Line-line Res. @ 25ºC** | 3.8717 Ω |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 46°C |
| **S.F. Amps** | | | 9.4/4.7 | **Temp. Rise @ S.F. Load** | 56°C |
| | | | | **Locked-rotor Power Factor** | 42.6 |
| | | | | **Rotor inertia** | 0.279 lb-ft² |

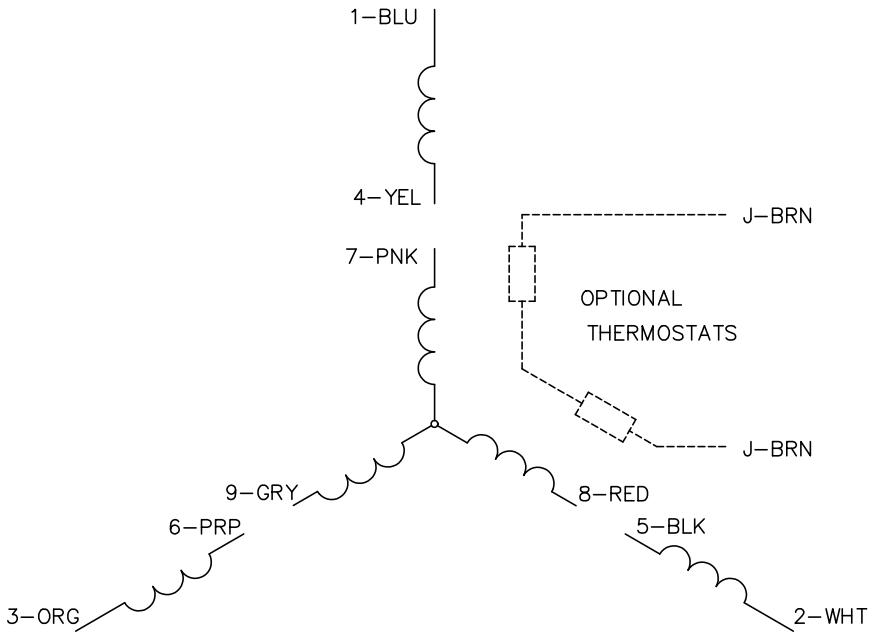
**Load Characteristics 460 V, 60 Hz, 3 HP**

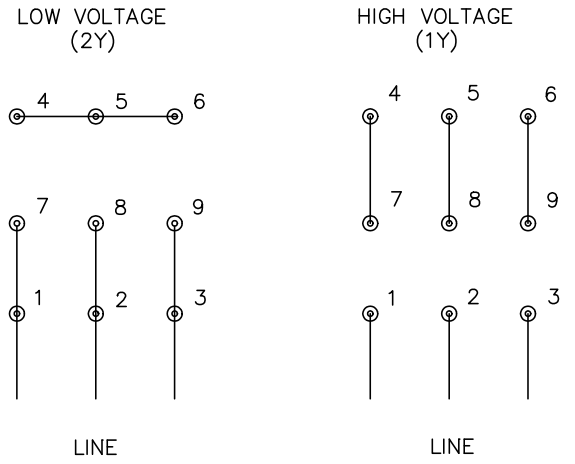
| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** | **S.F.** |
|---|---|---|---|---|---|---|---|
| **Power Factor** | 33 | 54 | 67 | 74 | 79 | 81 | 77 |
| **Efficiency** | 82.2 | 88.4 | 89.8 | 89.8 | 89 | 87.9 | 89.3 |
| **Speed** | 1790.7 | 1781.4 | 1771.4 | 1761.2 | 1749.9 | 1738.7 | 1754 |
| **Line amperes** | 2.54 | 2.94 | 3.51 | 4.2 | 4.99 | 5.87 | 4.67 |


ABB Motors and Mechanical Inc.
WINDING # 36WGZ650
3 HP 3 PH 60 HZ 1765 RPM 460 V 3630M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=38.2 PU=19.1 LR=22.4 LRA=32.2
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (3 HP)
11/16/2026 ACPERF, record # 115759


36LYK190
614-623 = 15.17
624-634 = 16.54
635-646 = 18.04
(635-646) ONLY
4.27
2.75
2.62
.25
.25 KEY
1.75 LONG
Ø8.60
NAMEPLATE
8.85
Ø8.500
Ø8.497
1.1250
1.1245
FORSHEDA
SLINGER
(BOTH ENDS)
4 HOLES
3 W/PLUGS
(EA. END)
6 HOLES
.44 DIA.
4.50
.50
5.50
3.50
6.50
Ø7.86
6.91
45°
45°
2.22
8.43
4.50 +.00 -.06
4 HOLES
.50-13 TAP
Ø7.25 B.C.
LEAD HOLE
.75 NPT
3.75
3.75
5.76
4.31
8.63
APPLY SEALER
UNDER RETAINER SCREW
HEADS BEFORE INSTALLING
APPLY COAT OF SEALER
TO HOUSING BEFORE
PRESSING SEAL IN
OPPOSITE DRIVE DETAIL
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT FROM AUTOCAD TO SWD
REV: E
VERSION: 05
REVISED: 02:11:48 10/25/2023
TDR: 000001218972
MODEL NO. 36LYK190
REF: -
BY: USALMAZ
B
BALDOR - RELIANCE®
STD HORZ 182-4TC TEFC 36M WD (S/P #9)
36LYK190

CD0005




NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0005

| | | | |
|---|---|---|---|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS | | | BALDOR ELECTRIC Co. |
| REV. LTR: E | BY: JLP | REVISED: 01/19/99 10:15 | TDR: 0171435 |
| CD0005 | | FILE: AAA00005140 | MDL: – |
| | | MTL: – | 3PH, DV, 9 LEADS |