

BALDOR • RELIANCE

Customer information packet

IDNRPM18074C

7.50HP, 1775RPM, 3PH, 60HZ, 1852C, TENV, FT/2

Specifications

| | |
|-------------------------------|-------------------------|
| Enclosure | TENV |
| Frame | FL1852CZ |
| Frame Material | Aluminum |
| Frequency | 60.00 Hz |
| Output @ Frequency | 7.500 HP @ 60 HZ |
| Phase | 3 |
| Synchronous Speed @ Frequency | 1800 RPM @ 60 HZ |
| Voltage @ Frequency | 460.0 V @ 60 HZ |
| Agency Approvals | CCSA US UR |
| Auxillary Box | No Auxillary Box |
| Base Indicator | Rigid |
| Bearing Grease Type | Polyrex EM (-20F +300F) |
| Current @ Voltage | 11.000 A @ 460.0 V |
| Duty Rating | CONT |
| Feedback Device | NO FEEDBACK |
| Frame Prefix | FL |
| Heater Indicator | No Heater |
| High Voltage Full Load Amps | 11.0 a |
| Insulation Class | H |
| Motor Standards | NEMA |
| Mounting Arrangement | F3 |
| Overall Length | 21.87 IN |
| Product Family | General Industrial |
| Pulley End Bearing Type | Ball |
| Pulley Face Code | C-Face |
| Service Factor | 1.00 |
| Shaft Diameter | 1.375 IN |
| Shaft Ground Indicator | No Shaft Grounding |
| Shaft Rotation | Reversible |
| Speed | 1775 rpm |
| Thermal Device - Bearing | None |

Part detail

| | |
|--------------|------------|
| Revision | C |
| Type | AC |
| Mech. spec. | |
| Base | |
| Status | PRD/A |
| Elec. spec. | L3222A |
| Layout | 617234-013 |
| Eff. date | 01-21-2022 |
| CD Diagram | 422927-001 |
| Poles | 04 |
| Leads | |
| Proprietary | False |
| Created date | 04-10-2015 |

Thermal Device - Winding

Normally Closed Thermostat

Nameplate

000613006MY

| | DUTY | HP | RPM | AMPS | VOLTS | HZ | | |
|-------------------|--------------|-----------------------|------------------|--------------|--------------|-------|------------------|-----|
| | CONT | 7.5 | 1775 | 11 | 460 | 60 | | |
| | CONT | 7.5 | 3560 | 9 | 460 | 120.5 | | |
| | CONT | 7.5 | 1775 | 22 | 230 | 60 | | |
| | CONT | 7.5 | 3560 | 18 | 230 | 120.5 | | |
| CAT.NO. | IDNRPM18074C | | SPEC. NO. | | P18T0349 | | | |
| SER.NO | | FR | FL 1852CZ | INSUL | H | | | |
| PH. | 3 | MAX SAFE SPEED | | 7200 | AMB. | 40 | MIN. AMB. | -25 |
| DESIGN NO. | L3222A | TYPE | | | ENCL. | TENV | | |
| S.F. | 1.0 | D.E. BRG. | | 45BC02JPP30A | | | | |
| ENCL MOD | | O.D.E. BRG. | | 35BC02JPP30A | | | | |

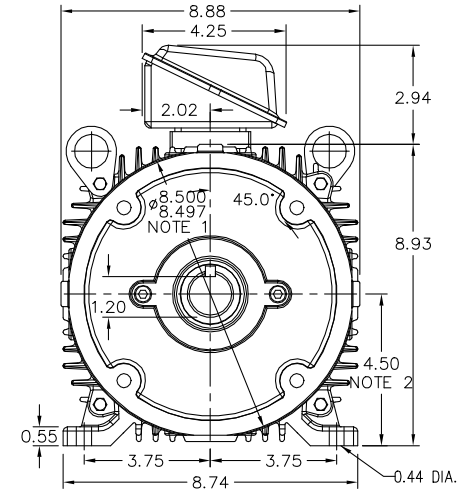
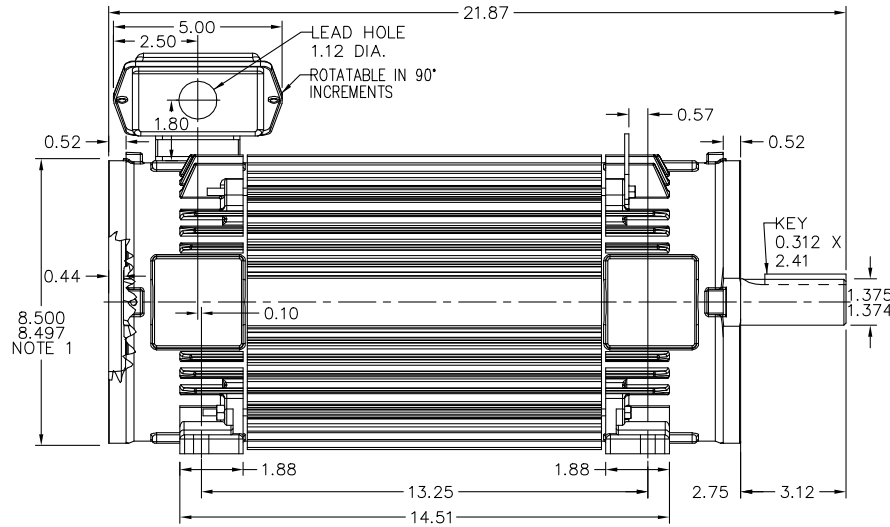
617234-013

RPM-AC FINNED FRAME VARIABLE SPEED ALTERNATING CURRENT MOTOR
FL1852CZ

ENCLOSURE: TOTALLY ENCLOSED
MOUNTING: FOOT / NEMA 210TC C-FACE
DRIVE METHOD: COUPLED OR BELTED

COOLING: NON-VENTILATED

ACCESSORIES: PROVISIONS FOR TACHOMETER MOUNTING ONLY WHEN SPECIFIED



NOTE 1: C-FACE & TACHOMETER MOUNTING
1/2-13 TAP, 1.00 DEEP, ON A 7.25 DIA. BOLT CIRCLE
FACE RUNOUT AND ECCENTRICITY 0.004 MAX. T.I.R.

NOTE 2: SHAFT HEIGHT WILL NOT BE EXCEEDED
SHIMS UP TO 0.03 INCHES IN THICKNESS ARE USUALLY
REQUIRED FOR COUPLED OR GREARED MACHINES

TERMINAL BOX MAY BE LOCATED F1 OR F2 IF SPECIFIED
40 AMP STEEL TERMINAL BOX SHOWN
REFER TO 616779-50 FOR SPECIFIED TERMINAL BOX DIMENSIONS
REFER TO 616779-55 FOR SPECIFIED TACHOMETER DIMENSIONS

MOTOR WEIGHT: 194 LBS. (MAY VARY 15%)
DIMENSIONS ARE IN INCHES SCALE: 1.00

617234-013

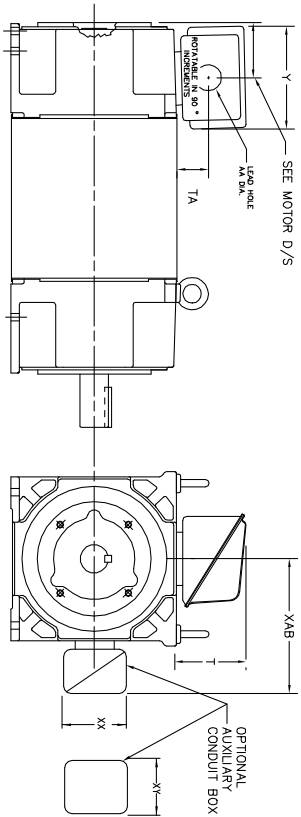
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

| | | |
|--------------------------|------------------------------|-------------------|
| REV. DESC: LOADED TO BUS | | |
| REV. LTR: - | VERSION: 00 | TDR: 000000481267 |
| FILE: \RGG\00003\410 | REVISED: 11:13:35 11/14/2008 | BY: CONBAT |
| MTL: - | | |

BALDOR • DODGE • RELIANCE
DIM SH 210TC RPMAC TENV FL1852CZ FT MT PROV FOR TACH
SH 1 of 1

INDUSTRIAL ALTERNATING CURRENT MOTORS
RPM AC

STEEL, CAST IRON, MILL AND TERMINAL BOARD CONDUIT BOX DIMENSIONS
NEMA FRAMES RL210 thru RL280 and IEC FRAMES RDL132 thru RDL180
NEMA FRAMES FL180 thru FL280 and IEC FRAMES FDL112 thru FDL180



| FRAME | TYPE | TERMINAL STRIP | AMPS | C/BOX | Y | TA | T | AA |
|---------------|-----------|----------------|------|------------|------|------|------|-----------|
| FL180 | STEEL | N | 40 | 706320003A | 5.00 | 1.62 | 3.00 | 1.12 |
| FL180 | STEEL | N | 75 | 706320003A | 6.12 | 2.38 | 4.38 | 1.75/2.00 |
| FL180 | CAST IRON | N | 208 | 706320007A | 6.92 | 2.00 | 7.00 | 2.50/2.00 |
| FL180 & FDL11 | CAST IRON | Y/N | 40 | 706320004B | 5.75 | 2.38 | 4.38 | 1.50/1.75 |
| FL180 & FDL11 | MILL | Y | 100 | 706310028A | 7.75 | 2.30 | 4.40 | PC29/PG16 |

| | | | | | | | | |
|---------------|-----------|-----|-----|-------------|-------|------|------|-----------|
| FL210 & RL210 | STEEL | N | 61 | 0754520009B | 6.34 | 2.00 | 4.12 | 1.75 |
| FL210 & RL210 | STEEL | N | 121 | 0754520010A | 7.69 | 2.38 | 5.25 | 1.94 |
| FL210 & RL210 | STEEL | N | 336 | 706320016A | 9.00 | 4.12 | 8.44 | 4.89 |
| FL210 & RL210 | CAST IRON | N | 110 | 075460062B | 7.25 | 2.50 | 5.25 | 1.5 TAP |
| FL210 & RL210 | MILL | Y | 100 | 7063100229A | 7.75 | 2.30 | 4.40 | PC29/PG16 |
| FL210 & RL210 | MILL | Y | 160 | 706310056A | 9.00 | 3.06 | 5.40 | PC36/PG16 |
| FL210 & RL210 | MILL | Y/N | 235 | 706310058B | 11.42 | 4.00 | 6.72 | 2.50 |

| | | | | | | | | |
|---------------|-----------|-----|-----|-------------|-------|------|-------|-----------|
| FL250 & RL250 | STEEL | N | 61 | 0754520009B | 6.34 | 2.00 | 4.12 | 1.75 |
| FL250 & RL250 | STEEL | N | 121 | 0754520010A | 7.69 | 2.38 | 5.25 | 1.94 |
| FL250 & RL250 | STEEL | N | 336 | 706320016A | 9.00 | 4.12 | 8.44 | 4.89 |
| FL250 & RL250 | CAST IRON | N | 110 | 075460062B | 7.25 | 2.50 | 5.25 | 1.5 TAP |
| FL250 & RL250 | CAST IRON | N | 210 | 706320013A | 10.50 | 4.88 | 9.00 | 4.0 TAP |
| FL250 & RL250 | MILL | Y | 100 | 7063100229A | 7.75 | 2.30 | 4.40 | PC29/PG16 |
| FL250 & RL250 | MILL | Y | 160 | 706310056A | 9.00 | 3.06 | 5.40 | PC36/PG16 |
| FL250 & RL250 | MILL | Y/N | 235 | 706310058B | 11.42 | 4.00 | 6.72 | 2.50 |
| FL250 & RL250 | MILL | Y | 400 | 706310063B | 14.39 | 7.43 | 12.15 | BLANK |

| | | | | | | | | |
|---------------|-----------|-----|-----|------------|-------|------|-------|-----------|
| FL280 & RL280 | STEEL | N | 160 | 706320029A | 7.25 | 3.50 | 7.06 | 2.50 |
| FL280 & RL280 | STEEL | N | 306 | 706320018A | 9.00 | 4.12 | 8.44 | 4.89 |
| FL280 & RL280 | STEEL | N | 500 | 702560010C | 14.62 | 7.56 | 12.70 | 5.00 |
| FL280 & RL280 | CAST IRON | N | 140 | 706320012B | 9.25 | 4.81 | 8.56 | 3.0 TAP |
| FL280 & RL280 | CAST IRON | N | 210 | 706320013A | 10.50 | 4.88 | 9.00 | 4.0 TAP |
| FL280 & RL280 | CAST IRON | N | 510 | 706320014D | 15.00 | 7.56 | 12.81 | 5.0 TAP |
| FL280 & RL280 | MILL | Y | 100 | 706310056A | 7.75 | 2.30 | 4.40 | PC29/PG16 |
| FL280 & RL280 | MILL | Y | 160 | 706310058B | 9.00 | 3.06 | 5.40 | PC36/PG16 |
| FL280 & RL280 | MILL | Y/N | 235 | 706310057A | 11.42 | 4.00 | 6.72 | 2.50 |
| FL280 & RL280 | MILL | Y | 400 | 706310063B | 14.39 | 7.43 | 12.15 | BLANK |

| FRAME SIZE | OPTIONAL AUXILIARY CONDUIT BOX DIMENSIONS (MAXIMUM) | | | | | | | | |
|-------------------------|---|------|------|-------------|-------------------------|-------------|------|------|------------|
| | XAB | XX | XY | PART NUMBER | FRAME SIZE | PART NUMBER | | | |
| FL210/FL180/FL160/FL140 | 7.38 | 4.25 | 4.25 | 602007-26-A | FL210/FL180/FL160/FL140 | 10.88 | 8.00 | 8.00 | 706310-3-B |
| FL250/FL180/FL160/FL140 | 8.44 | 4.25 | 4.25 | 602007-26-A | FL250/FL180/FL160/FL140 | 11.88 | 8.00 | 8.00 | 706310-3-B |
| FL280/FL180/FL160/FL140 | 9.12 | 4.25 | 4.25 | 602007-26-A | FL280/FL180/FL160/FL140 | 12.62 | 8.00 | 8.00 | 706310-3-B |

- (1) 7/8" PIPE TAP
- (2) CUSTOMER TO PROVIDE W/LE TYP CONDUIT.
- (3) DIM SA ON 1" DIA DIA W/2

TERMINAL BOX CAN BE ROTATED FOR LEAD INLET AT TOP, SIDES OR BOTTOM
TERMINAL BOX LOCATED ON OPPOSITE SIDE WHEN F-2, V-1, V-4, V-5, V-7,
OR C-1 MOUNTING IS SPECIFIED. BOX LOCATED ON TOP WHEN SPECIFIED.

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

| | | |
|-------------------------------------|--------------------------------|-------------------|
| REV. DESC: ADD 706310-637 & 639 BOX | VERSION: 06 | TDR: 000001180260 |
| REV. LTR: F | REVISED: 11: 08: 56 10/26/2021 | BY: RCGRWM |
| FILE: \RGG\00003\692 | | |
| MTL: - | | |

BALDOR - RELIANCE®
DIM SHT NEMA RL210-RL280 FL180-FL280 IEC RDL132-RDL180
SH 1 of 1

422927-001



NOTE:
DATA TO BE SIZED
SO THAT IT FITS INTO
MATERIAL DECAL
DIMENSIONS. MAKE
LETTERS & NUMBERS
AS LARGE AS POSSIBLE.

MATERIAL: CERAMATIC DGF-P4
PERMA GRIP ADHESIVE

ALL LETTERS, NUMBERS
AND LINES TO BE BLACK
ON WHITE BACKGROUND.

422927-001

| | | |
|---|------------------------------|------------------|
| REV. DESC: CHANGE BACKGROUND COLOR FROM GOLD TO WHITE | | |
| REV. LTR: B | VERSION: 02 | TDR: 00000788708 |
| FILE: \RGG\00000\203 | REVISED: 08:09:29 03/04/2013 | |
| MTL: - | BY: RGGWT | |

BALDOR

EXTERNAL CONNECTION LABEL

SH 1 of 1