

BALDOR • RELIANCE

Customer information packet

ZDPM18010C-BV

10HP, 1800RPM, 3PH, 60HZ, 1831C, TEBC, FOOT,

Specifications

Enclosure	TEAO
Frame	FL1831C
Frame Material	Aluminum
Frequency	60.00 Hz
Output @ Frequency	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Auxillary Box	No Auxillary Box
Base Indicator	Rigid
Bearing Grease Type	No Grease
Current @ Voltage	10.600 A @ 460.0 V
Duty Rating	CONT
Feedback Device	TACHOMETER
Frame Prefix	FL
Heater Indicator	No Heater
High Voltage Full Load Amps	10.6 a
Insulation Class	H
Motor Standards	NEMA
Mounting Arrangement	F3
Overall Length	22.08 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	1800 rpm
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat

Part detail

Revision	F
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	PM3923A
Layout	617227-326
Eff. date	12-21-2021
CD Diagram	422927-001
Poles	04
Leads	
Proprietary	False
Created date	04-09-2015

Nameplate

000613006MY

	DUTY	HP	RPM	AMPS	VOLTS	HZ	
	CONT	10	1800	10.6	460	60	
	CONT	10	3000	10.3	460	100	
	CONT	10	1800	21.2	230	60	
	CONT	10	3000	20.6	230	100	
CAT.NO.	ZDPM18010C-BV		SPEC. NO.		P18M0501		
SER.NO.		FR	FL 1831C	INSUL	H		
PH.	3	MAX SAFE SPEED		7200	AMB.	40	MIN. AMB. -25
DESIGN NO.	PM3923A	TYPE		ENCL.	TEAO-BC		
S.F.	1.0	D.E. BRG.	45BC02JPP30A				
ENCL MOD		O.D.E. BRG.	35BC02JPP30A				

000692000VY

MEAS OPEN CIRCUIT VOLTAGE

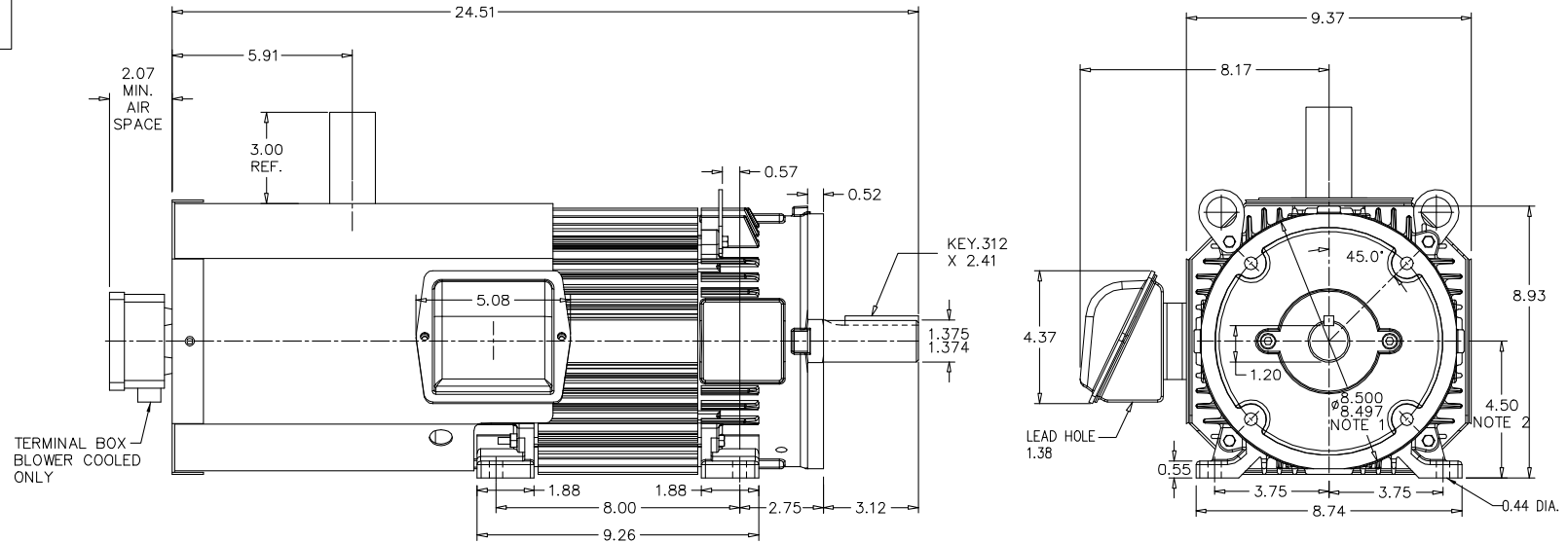
IS VOLTS AT RPM.

617227-326

RPM-AC FINNED FRAME VARIABLE SPEED ALTERNATING CURRENT MOTOR
FL1831CZ

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

COOLING: BLOWER COOLED
ACCESSORIES: ENCODER



TERMINAL BOX
BLOWER COOLED
ONLY

- 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 (40 AMPS)
(706320-003A)
ROTATABLE IN 90° INCREMENTS

MOTOR WEIGHT: 133 LBS. (MAY VARY 15%)
DIMENSIONS ARE IN INCHES SCALE: 1.00

617227-326

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THIS PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: INITIAL RELEASE	VERSION: 00	TDR: 000001063820
REV. LTR: -	REVISED: 03:05:29 03/09/2018	BY: RGGWT
FILE: \RGG\00028\992		
MTL: -		

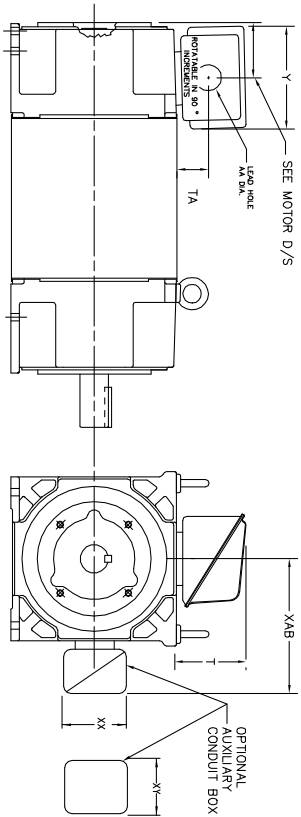
BALDOR

DIM SHT,RPMAC,TEBC,FL1831CZ,ENCODER

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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	STEEL	N	208	706320007A	6.82	2.00	7.00	2.50/2.00
FL180	CAST IRON	N	208	706320007A	6.78	2.38	4.38	1.50/1.75
FL180 & FDL11	MILL	Y	100	706310028A	7.73	2.30	4.40	PC329/PG18
FL210 & RL210	STEEL	N	61	0754520009	6.34	2.00	4.12	1.75
FL210 & RL210	STEEL	N	121	0754520009	7.38	2.38	4.75	1.19
FL210 & RL210	STEEL	N	306	706320016A	9.00	4.12	8.42	4.89
FL210 & RL210	CAST IRON	N	110	075460052B	7.25	2.50	5.25	1.5 TAP
FL210 & RL210	MILL	Y	100	7063100229A	7.75	2.30	4.40	PC329/PG18
FL210 & RL210	MILL	Y	160	706310056A	9.00	3.06	5.40	PC36/PG16
FL210 & RL210	MILL	Y/N	235	706310056B	11.42	4.00	6.72	2.50
FL250 & RL250	STEEL	N	61	0754520009	6.34	2.00	4.12	1.75
FL250 & RL250	STEEL	N	121	0754520009	7.69	2.38	5.25	1.94
FL250 & RL250	STEEL	N	306	706320016A	9.00	4.12	8.42	4.89
FL250 & RL250	CAST IRON	N	110	075460052B	7.25	2.50	5.25	1.5 TAP
FL250 & RL250	CAST IRON	N	210	706320017A	10.50	4.88	9.00	4.0 TAP
FL250 & RL250	MILL	Y	100	7063100229A	7.75	2.30	4.40	PC329/PG18
FL250 & RL250	MILL	Y	160	706310056A	9.00	3.06	5.40	PC36/PG16
FL250 & RL250	MILL	Y	160	706310056B	9.00	3.06	5.40	PC36/PG16
FL250 & RL250	MILL	Y/N	235	706310057A	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	706310056B	9.00	3.06	5.40	PC36/PG16
FL280 & RL280	STEEL	N	306	706320016A	11.42	4.00	6.72	2.50
FL280 & RL280	STEEL	N	500	706320017A	14.62	7.56	12.70	5.00
FL280 & RL280	CAST IRON	N	140	706320017B	9.25	4.81	8.56	3.0 TAP
FL280 & RL280	CAST IRON	N	210	706320015A	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	PC329/PG16
FL280 & RL280	MILL	Y	160	706310056B	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			
FL120/FL160/FL200/FL180	7.38	4.25	4.25	602007-26-A	FL120/FL160/FL200/FL180	10.88	8.00	8.00	706310-3-B
FL250/FL180/FL280/FL180	8.44	4.25	4.25	602007-26-A	FL250/FL180/FL280/FL180	11.88	8.00	8.00	706310-3-B
FL280/FL180/FL280/FL180	9.12	4.25	4.25	602007-26-A	FL280/FL180/FL280/FL180	12.62	8.00	8.00	706310-3-B

- (1) 7/8" PIPE TAP
- (2) CUSTOMER TO PROVIDE WIRE TYPE CONDUIT.
- (3) DIM SA OR 1" DIA DIA W/6

TERMINAL BOX CAN BE ROTATED FOR LEAD OUTLET 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

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