

ABB BALDOR RELIANCE III

Customer information packet D2007P

1810AT, 7.5HP, 1750RPM, 240, 150, DPFG, F1

Specifications

Armature Voltage	240 V
Base Speed	1750 rpm
Enclosure	DPFG
Field Voltage	150 V
	300 V
Frame	1810AT
Output Power	7.500 HP
Agency Approvals	CSA
Ambient Temperature	40 °C
Armature Current	27.8 a
Base Indicator	Rigid
Drip Cover	No Drip Cover
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Field Winding Type	STR. SHUNT
Heater Indicator	No Heater
Insulation Class	F
Lifting Lugs	Standard Lifting Lugs
Motor Standards	NEMA
Mounting Arrangement	F1
Overall Length	22.21 IN
Service Factor	1.00
Shaft Diameter	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Slinger Indicator	No Slinger
Thermal Device - Bearing	None

Part Detail

Revision	A
Type	DC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	K0009A A
Layout	875
Eff. date	11-20-2019
CD Diagram	15209
Poles	00
Leads	
Proprietary	False
Created date	11-15-2019

Nameplate

NP1734									
CAT.NO.			MODEL	T18S8007					
HP	7.5	RPM	1750/2300		FRAME		1810AT		
ARM V	240		ARM A		27.80	WOUND		STR. SHUNT	
FLD V	150/300		FLD A		.92-.48/.46-.24				
CONN			OHMS			CL		F	
ENCL	DPFG		DUTY			CONT		MX AMB 40	
P CODE	D		CTSR			SER.F.		1.0	
S/N			E/S		K0009A A				
	BRUSH:18044-4								
O.D.E. BRG.	6205	D.E. BRG.	6206		BRUSH		18044-4		QTY 2

Accessories

Part number	Description	Multiplier
90EP5000A02	C-FACE CONVERSION KIT FOR STOCK MTR,FR 1	

CUSTOMER NAME				MODEL NO.				MTG.		REMARKS:	
CUSTOMER P.O.				FRAME		R.P.M.		PHASE		INSUL	
CERTIFIED BY				H.P.		TYPE		VOLTS		AMB.	
DATE						ENCL		FREQ.			

UNITS: INCH	SCALE: NONE	PROPORTION: NONE	PART NUMBER	875	DWG. SIZE A
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1/2-13UNC-2B THD X .75 DEEP
4-HOLES EQ. SPACED AT 90°
ON A 7.250 DIA. B.C.

3/8-16UNC-2B THD
X .88 DEEP IN SHAFT
END.

45°

ACCESSORY MTG. FACE

STANDARD COMM END
FOR SINGLE SHAFT EXTENSION

.40
.063
.061
.700
.695 DIA.
.9846
.9841 DIA.

FC

C

N

V

U

P

FV

FN

4(H) HOLE DIA.

.26

2F

B

BA

N-W

P

CONDUIT

30°

D

J

E

2E

A

FRAME	FOOT MOUNTING					D.E. SHAFT EXTENSION					DRIVE KEY		ACC SHAFT EXTENSION			ACC KEY		FRAME								ARM APPROX. WK ² LBS.FT. ²	APPROXIMATE WEIGHT
	BA	E	2F	G	H	J	N	N-W	U	V	W	KEY-SQ.	KEY-LONG	FN	FU	FV	KEY-SQ.	KEY-LONG	A	B	C	FC	D	O	P		
L182AT	2.75	3.75	4.50	.38	.406	1.50	2.90	2.77	1.125	2.50 ³	.13	.250	1.38	2.28	.875	2.03	.188	1.38	8.81	5.75	15.81	17.37	4.50 ²	8.94	8.88	.28	84 ⁵
L186AT	2.75	3.75	7.00	.38	.406	1.50	2.90	2.77	1.125	2.50 ³	.13	.250	1.38	2.28	.875	2.03	.188	1.38	8.81	8.25	19.31	20.87	4.50 ²	8.94	8.88	.67	159 ⁵
1810AT	2.75	3.75	11.00	.38	.406	1.50	2.90	2.77	1.125	2.50 ³	.13	.250	1.38	2.28	.875	2.03	.188	1.38	8.81	12.25	22.21	23.78	4.50 ²	9.00	9.00	1.0	195 ⁵

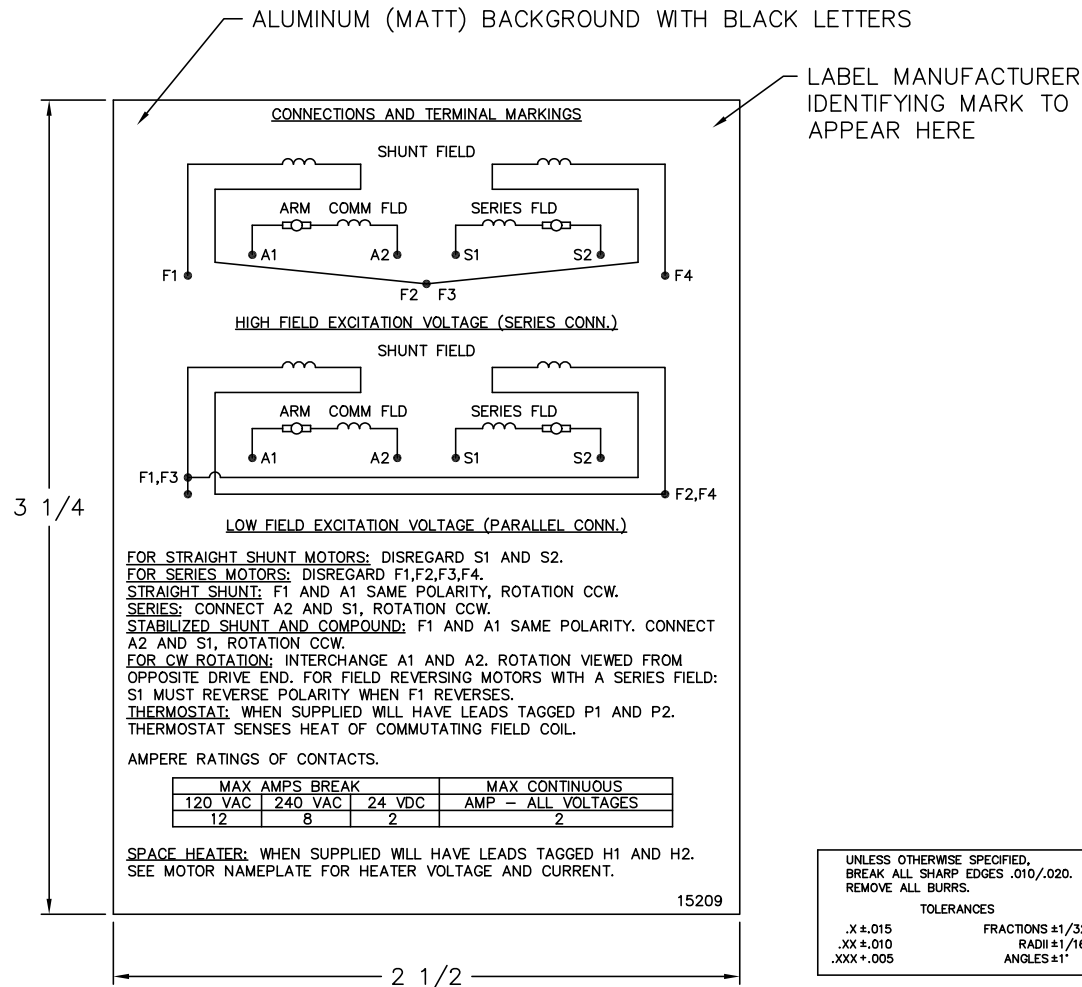
- 1) SHAFT DIAMETERS TO 1.500 TOLERANCE +.0000 - .0005
SHAFT DIAMETERS ABOVE 1.500 TOLERANCE +.0000 - .0010
SHAFT DIAMETERS TO 1.625 RUNOUT .002 T.I.R. MAX.
SHAFT DIAMETERS ABOVE 1.625 RUNOUT .003 T.I.R. MAX.
- 2) 'D' DIMENSION TOLERANCE +.000 - .030
- 3) 'V' DIMENSION IS MAX. HUB LENGTH ON SHAFT
- 4) CONDUIT BOX CAN BE ROTATED IN 90° STEPS ON ITS OWN AXIS.
- 5) TOTAL WEIGHT OF MOTOR.
- 6) ALL DIMENSIONS NOT NOTED ARE NOMINAL DIMENSIONS CONSULT
FACTORY FOR TOLERANCES.

FOR F1 OR F2 CONDUIT BOX
LOCATION SEE SALES ORDER

DESIGNER CSL 7-19-91		BALDOR	
ENGINEER RFL 7-19-91			
ENGINEER DAG 7-19-91		TITLE: DIMENSION SHEET DPFG, STD AT	
MANUF. RWT 7-19-91		PART NUMBER 875	DWG. SIZE A

A	19032	REDRAWN	CSL	7-19-1991
REV.	ECO.	DESCRIPTION	BY	DATE

15209



NOTE:
 MATERIAL .005 MINIMUM FULL HARD ALUMINUM DULL FINISH.
 TEMP. RANGE -20°C TO +125°C MAXIMUM.
 FOR INDOOR AND OUTDOOR MOUNTING BACK.
 METAL, PRESSURE SENSITIVE BACK. MUST MEET CSA STANDARD.
 THE CSA IDENTIFYING MARK OF THE LABEL MANUFACTURER MUST APPEAR IN THE UPPER RIGHT HAND CORNER AS INDICATED.

UNLESS OTHERWISE SPECIFIED, BREAK ALL SHARP EDGES .010/.020. REMOVE ALL BURRS.

TOLERANCES

.X ±.015 FRACTIONS ±1/32
 .XX ±.010 RADII ±1/16
 .XXX ±.005 ANGLES ±1°

15209

MATL:	NOTED
REV:	G CHANGE ALL "NAMEPLATE" TEXT TO "LABEL"
60Z91	SCALE: — BY: BKW REVISED: 02/19/97
	FILE: CHB00002485 TDR: 0115147

BALDOR ELECTRIC Co.

LABEL, CONNECTIONS AND TERMINAL MARKINGS DC