



Customer information packet

D2007P

1810AT, 7.5HP, 1750RPM, 240, 150, DPGF, 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.	D2007P			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.	VOLTS	PHASE		INSUL	
CERTIFIED BY		H.P.	TYPE	ENCL	FREQ.		AMB.	
DATE					UNITS: INCH	SCALE: NONE	PROPORTION: NONE	
					PART NUMBER	875	DWG. SIZE A	

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
2.03
3/4 N.P.T. FOR CONDUIT
8.500
8.498 DIA.
FU

P
D
30°
CONDUIT
G
J
E
2E
A
N-W

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
ENGINEER
RFL
7-19-91
ENGINEER
DAG
7-19-91
MANUF.
RWT
7-19-91

BALDOR

TITLE: DIMENSION SHEET
DPFG, STD AT

REV. ECO. DESCRIPTION

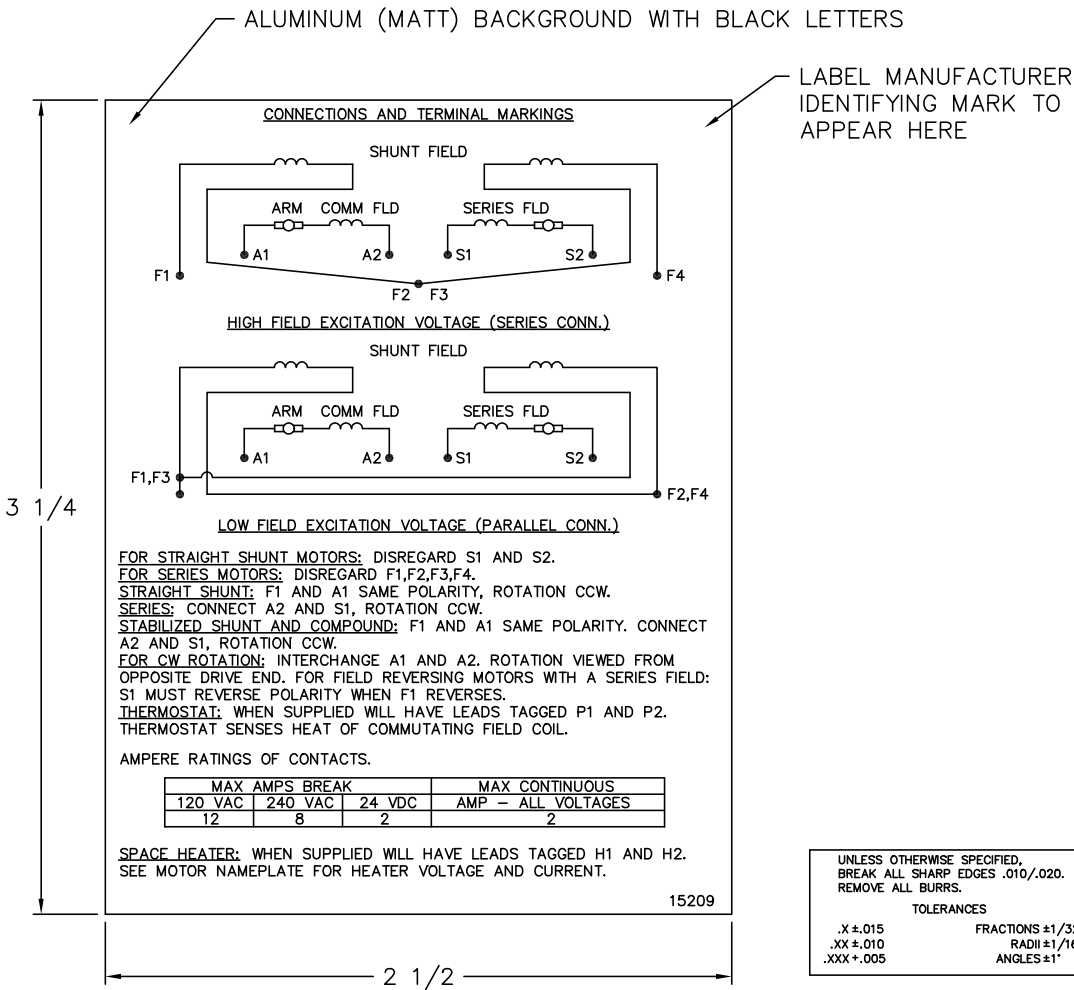
BY DATE

PART NUMBER
875

DWG. SIZE
A

REV.
A

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.

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