ABB BALDOR RELIANCE

Customer information packet

D2507P

2110AT, 7.5HP, 1750RPM, 240, 150, TEFC, F1

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Specifications

Armature Voltage	240 V
Base Speed	1750 rpm
Enclosure	TEFC
Field Voltage	150 V
	300 V
Frame	2110AT
Output Power	7.500 HP
Agency Approvals	CSA
Ambient Temperature	40 °C
Armature Current	26.6 a
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	29.60 IN
Service Factor	1.00
Shaft Diameter	1.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Slinger Indicator	No Slinger
Thermal Device - Bearing	None

Part Detail

Revision	-
Type	DC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	K0016A A
Layout	885-2
Eff. date	01-06-2020
CD Diagram	15209
Poles	00
Leads	
Proprietary	False
Created date	12-20-2019

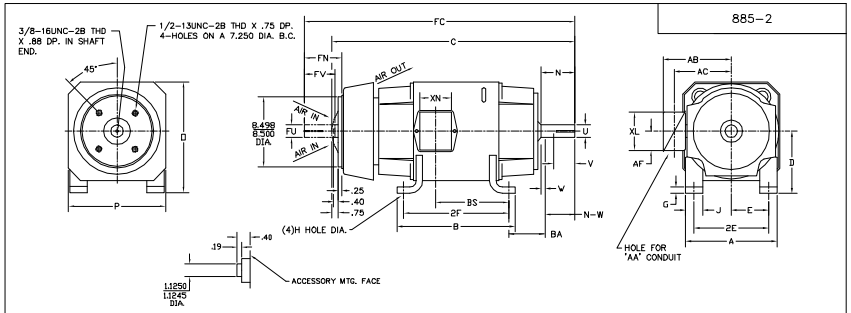
Nameplate

NP1734											
CAT.NO.	D2507P			**MODEL**	T21S8007						
HP	7.5	**RPM**	1750/2300		**FRAME**	2110AT					
ARM V	240	**ARM A**	26.60		**WOUND**	STR. SHUNT					
FLD V	150/300	**FLD A**	2.10-0.98/1.05-0.49								
CONN		**OHMS**	198.		**CL**	F					
ENCL	TEFC	**DUTY**	CONT		**MX AMB**	40					
P CODE	D	**CTSR**			**SER.F.**	1.0					
S/N				**E/S**	K0016A A						
	-										
O.D.E. BRG.	6207	**D.E. BRG.**	6207		**BRUSH**	150986-21-1		**QTY**	2		

Accessories

Part number	Description	Multiplier
91EP5000A01	C-FACE CONVERSION KIT FOR STOCK MTR,FR 2	P1

885-2



	FOOT MOUNTING						D.E SHAFT EXTENSION					DRIVE KEY		ACC SHAFT		ACC KEY		FRAME						
FRAME	BA	E	2F	C	H	J	N	N-W	U	V	W	KEY-SQ.	KEY-LONG	FN	FU	FV	KEY-SQ	KEY-LONG	A	B	C	FC	D	G	P
218AT	3.50	4.25	10.00	.50	.406	2.00	3.00	2.75	1.375	2.50 [3]	.25	.312	1.75	2.44	1.125	2.19	.250	2.25	10.38	11.00	26.30	28.75	5.25 [5]	10.47	10.44
219AT	3.50	4.25	11.00	.50	.406	2.00	3.00	2.75	1.375	2.50 [3]	.25	.312	1.75	2.44	1.125	2.19	.250	2.25	10.38	12.00	27.30	29.75	5.25 [5]	10.47	10.44
2110AT	3.50	4.25	12.50	.50	.406	2.00	3.00	2.75	1.375	2.50 [3]	.25	.312	1.75	2.44	1.125	2.19	.250	2.25	10.38	13.50	28.80	31.25	5.25 [5]	10.47	10.44
258AT	4.25	5.00	12.50	.69	.531	2.25	3.44	3.25	1.625	3.00 [3]	.19	.375	2.31	3.33	1.375	3.08	.312	3.00	12.38	14.00	30.19	35.03	6.25 [5]	12.47	12.44
259AT	4.25	5.00	14.00	.69	.531	2.25	3.44	3.25	1.625	3.00 [3]	.19	.375	2.31	3.33	1.375	3.08	.312	3.00	12.38	15.50	31.69	36.53	6.25 [5]	12.47	12.44
2510AT	4.25	5.00	16.00	.69	.531	2.25	3.44	3.25	1.625	3.00 [3]	.19	.375	2.31	3.33	1.375	3.08	.312	3.00	12.38	17.56	33.70	36.28	6.25 [5]	12.47	12.44
2513AT	4.25	5.00	22.00	.69	.531	2.25	3.44	3.25	1.625	3.00 [3]	.19	.375	2.31	3.33	1.375	3.08	.312	3.00	12.38	23.50	39.70	41.39	6.25 [5]	12.47	12.44

	CONDUIT BOX							ARM APPROX. WK [2] LBS.FT.²	APPROXIMATE WEIGHT
FRAME	AA	AB	AC	AF	BS	XL	XN		
218AT	3/4-1	7.91	6.44	2.44	8.38	3.81	3.12	1.35	277 [6]
219AT	3/4-1	7.91	6.44	2.44	9.38	3.81	3.12	1.49	295 [6]
2110AT	3/4-1	7.91	6.44	2.44	10.88	3.81	3.12	1.71	321 [6]
258AT	1 1/4	9.35	7.72	2.94	9.75	4.94	4.00	2.91	411 [6]
259AT	1 1/4	9.35	7.72	2.94	11.25	4.94	4.00	3.31	456 [6]
2510AT	1 1/4	9.35	7.72	2.94	13.25	4.94	4.00	3.80	516 [6]
2513AT	1 1/4	9.35	7.72	2.94	19.25	4.94	4.00	5.27	528 [6]

1) SHAFT DIAMETERS TO 1.600 TO ERANCE +.0000 -.0006
SHAFT DIAMETERS 1.601 TO 1.625 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) 'C' DIMENSION TOLERANCE +.000 - .020
3) 'V' DIMENSION IS MAX HUB LENGTH ON SHAFT
4) CONDUIT BOX CAN BE ROTATED IN 90 STEPS ON ITS OWN AXIS
5) TOLERANCE ON ALL DIMENSIONS ±.030 UNLESS OTHERWISE NOTED.
6) ALL DIMENSIONS NOT NOTED ARE NOMINAL DIMENSIONS CONSULT FACTORY FOR TOLERANCES.

FOR F1 OR F2 CONDUIT BOX LOCATION SEE SALES ORDER

885-2

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

REV. DESC: REV. "D" DIM TO +.000 -.060			BALDOR
REV. LTR: A	VERSION: 01	TDR: 000000752566	
FILE: \RGG\00019\542		REVISED: 04:41:28 06/20/2012	DIM SHEET
MTL: -		BY: RGGNAS	SH 1 of 1

BALDOR ROUND DC ARMATURE INSULATION B/M

FRAME SIZE: **2110** CORE LENGTH: **7.12**
VOLTS: **0-300** #SLOTS: **24**

DESCRIPTION	#PCS	SIZE (USAGE) OR PART #	PURCHASE INFO	REMARKS
SLOT LINER	24	1.38" X 7.44" (10.27IN2)	612769207CC	4824-10-CX (.015")
TOP STICK	24	7.63" (.64')	4175320005CC	AY482409011 24-21-15
SHAFT INSULATION	2	NA	418020001B	4824-10-CX (.007")
COMMUTATOR INSULATION	NA	8.00"	MH1094A03	"GOLD TAPE"
NOMEX/GLASS CLOTH	NA	12.00"	FH482410150	4824-10FH
SLEEVING	NA	NA	NA	4824-13AW

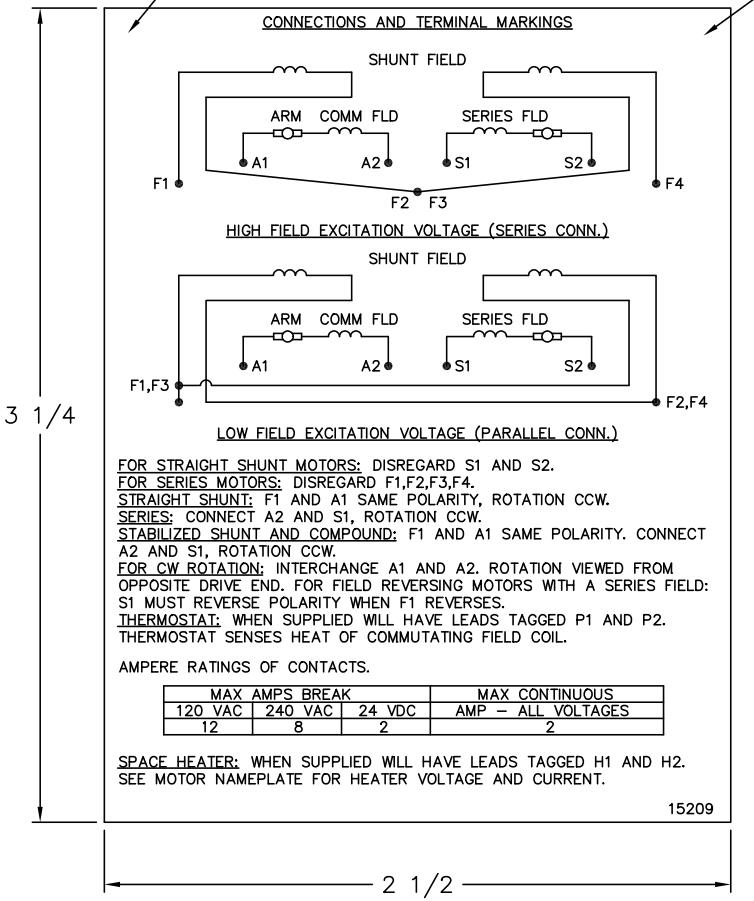
BALDOR · DODGE · RELIANCE

424503-002M

15209

ALUMINUM (MATT) BACKGROUND WITH BLACK LETTERS

LABEL MANUFACTURER IDENTIFYING MARK TO APPEAR HERE



CONNECTIONS AND TERMINAL MARKINGS

HIGH FIELD EXCITATION VOLTAGE (SERIES CONN.)

LOW FIELD EXCITATION VOLTAGE (PARALLEL CONN.)

FOR STRAIGHT SHUNT MOTORS: DISREGARD S1 AND S2.
FOR SERIES MOTORS: DISREGARD F1,F2,F3,F4.
STRAIGHT SHUNT: F1 AND A1 SAME POLARITY, ROTATION CCW.
SERIES: CONNECT A2 AND S1, ROTATION CCW.
STABILIZED SHUNT AND COMPOUND: F1 AND A1 SAME POLARITY. CONNECT A2 AND S1, ROTATION CCW.
FOR CW ROTATION: INTERCHANGE A1 AND A2. ROTATION VIEWED FROM OPPOSITE DRIVE END. FOR FIELD REVERSING MOTORS WITH A SERIES FIELD: S1 MUST REVERSE POLARITY WHEN F1 REVERSES.
THERMOSTAT: WHEN SUPPLIED WILL HAVE LEADS TAGGED P1 AND P2. THERMOSTAT SENSES HEAT OF COMMUTATING FIELD COIL.

AMPERE RATINGS OF CONTACTS.

MAX AMPS BREAK			MAX CONTINUOUS
120 VAC	240 VAC	24 VDC	AMP – ALL VOLTAGES
12	8	2	2

SPACE HEATER: WHEN SUPPLIED WILL HAVE LEADS TAGGED H1 AND H2. SEE MOTOR NAMEPLATE FOR HEATER VOLTAGE AND CURRENT.

15209

NOTE:
MATERIAL .005 MINUMUM 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 INDENTIFYING 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°

MATL: NOTED				BALDOR ELECTRIC Co.
REV:	G	CHANGE ALL "NAMEPLATE" TEXT TO "LABEL"		
15209	SCALE: –	BY: BKW	REVISED: 02/19/97	LABEL, CONNECTIONS AND TERMINAL MARKINGS DC
	FILE: CHB00002485		TDR: 0115147	

15209