

ABB BALDOR RELIANCE III

Customer information packet

D5015P

15HP, 1750/2300RPM, DC, 258AT, DPFG, F1

Specifications

Armature Voltage	500 V
Base Speed	1750 rpm
Enclosure	DPFG
Field Voltage	150 V
	300 V
Output Power	15.000 HP
Agency Approvals	CSA
Ambient Temperature	40 °C
Armature Current	25.2 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	29.84 IN
Shaft Diameter	1.624 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.	K0036A A
Layout	876-1
Eff. date	02-26-2020
CD Diagram	15209
Poles	00
Leads	
Proprietary	False
Created date	12-12-2019

Nameplate

NP1734											
CAT.NO.				MODEL	T25S8003						
HP	15	RPM	1750/2300		FRAME	0258AT					
ARM V	500		ARM A		25.20	WOUND	STR. SHUNT				
FLD V	150/300		FLD A		2.78-1.58/1.39-.79						
CONN			OHMS					CL	F		
ENCL	DPFG		DUTY		CONT		MX AMB		40		
P CODE	D		CTSR					SER.F.			
S/N				E/S	K0036A A						
O.D.E. BRG.	6207	D.E. BRG.	6209		BRUSH	150986-25-1				QTY	2

Parts List

Part number	Description	Quantity
SA376989	SA T25S8003	1.000 ea
AA018215	AA T25S8003	1.000 ea
036170004DA	DRSCW METRIC NAMEPLATE	4.000 ea
NP1734	NPL,BALDOR DC MTR ALUMINUM	1.000 ea
032018004BK	HHCS 5/16-18X1/2 PLATED	2.000 ea
15094	DISHED LOCKWASHER .332 ID, .865 OD	2.000 ea
25686-1	ROCKER RING ASSY FR 250	1.000 ea
150986-25-1SP	BRUSH,250 FR. SERIES E-41	2.000 ea
25034-6	CE BRKT MACH FR 250 LOCK ODE BRG	1.000 ea
25066-6	FE BRKT MACH FR 250 FOR LOCKED ODE	1.000 ea
004824015A	GREASE POLYREX EM	0.200 lb
032130010CA	3/8-16 X 1.25 HSHCS	4.000 ea
032130010CA	3/8-16 X 1.25 HSHCS	4.000 ea
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 ea
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 ea
HW5100A09	W3328-036 WVY WSHR (WB)	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
032130016AA	HSHCS	2.000 ea
150449-25	T BOX GRD STUD ARG 1/4 20 DIA. STUD	1.000 ea
25108-1	GASKET,TERM BOX,1/8"CORK NEOPRENE(DC-205	1.000 ea
25108-1	GASKET,TERM BOX,1/8"CORK NEOPRENE(DC-205	1.000 ea
032018006DK	HHCS 1/2-13X3/4 PLATED	4.000 ea
25106	TERMINAL BOX HOLE COVER, FR 250	1.000 ea
032018004AK	HHCS 1/4-20X1/2 PLATED	4.000 ea
25048-1	CVR GASKET,CE,FR-250 3/32 THK CORK/N	3.000 ea
25048-2	CVR GASKET,FE,FR-250 3/32 THK CORK/NEO	3.000 ea
032018004AK	HHCS 1/4-20X1/2 PLATED	28.000 ea
25062-2	LOUVER COVER,FE,FR-250 18GA C.R. STEEL	3.000 ea
25036-1	ACCESS COVER ODE, FR 250 SERIES	1.000 ea
25062-1	LOUVER COVER,CE,FR-250 18GA C.R. STEEL	2.000 ea

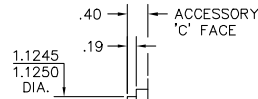
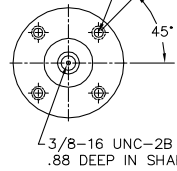
15599-37	DRIVE SCR,#10 X.37 TYPE UPLATED STEEL	5.000 ea
28022-1	VENT GUARD,WITH LOUVERS	1.000 ea
25109	TERMINAL BOX BASE FR 250	1.000 ea
25110	TERMINAL BOX COVER FR 250	1.000 ea
25111	GASKET,COVER,1/8"THK CORK/NEOPRENE (DC-2	1.000 ea
032018004AK	HHCS 1/4-20X1/2 PLATED	2.000 ea
032018004AK	HHCS 1/4-20X1/2 PLATED	4.000 ea
15209	LABEL CONNECTIONS & TERMINAL MARKIN	1.000 ea
15021-1	ACCESSORY FACE COVER FRAME 180-500 SERIE	1.000 ea
034180018FA	KEY 3/8 SQ X 2.25"	1.000 ea
004824007BTW	SPECIAL PAINT4824-3BVZ	0.100 ea

Accessories

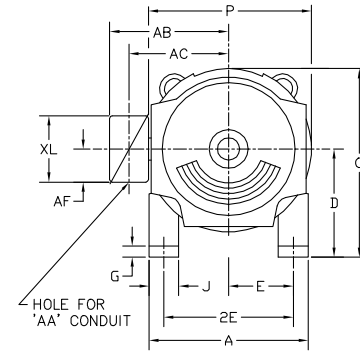
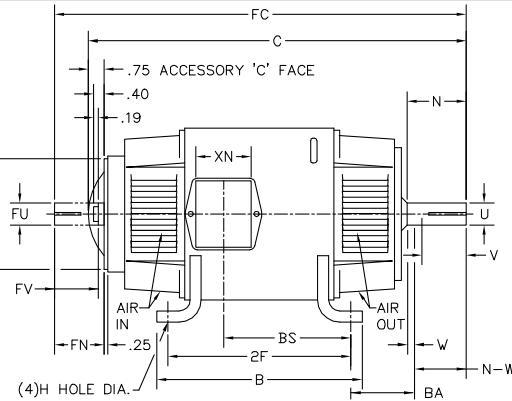
Part number	Description	Multiplier
92EP5000A01	C-FACE CONVERSION KIT FOR STOCK MTR,FR 2	

876-1

1/2-13UNC-2B THD X 1.00 DEEP
4-HOLES EQUALLY SPACED
ON A 7.250 DIA. B.C.



STANDARD COMM END
FOR SINGLE SHAFT EXTENSION



	FOOT MOUNTING						D.E. SHAFT EXTENSION					DRIVE KEY			ACC SHAFT			ACC KEY		FRAME					
FRAME	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	
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	24.25	25.93	5.25 ²	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	25.25	26.93	5.25 ²	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	26.75	28.43	5.25 ²	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	27.25	29.84	6.25 ²	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	28.75	31.34	6.25 ²	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	30.75	33.34	6.25 ²	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	36.75	39.34	6.25 ²	12.47	12.44

CONDUIT BOX								ARM APPROX. WBS.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	242 ⁵
219AT	3/4-1	7.91	6.44	2.44	9.38	3.81	3.12	1.49	260 ⁵
2110AT	3/4-1	7.91	6.44	2.44	10.88	3.81	3.12	1.71	286 ⁵
258AT	1 1/4	9.35	7.72	2.94	9.75	4.94	4.00	2.91	366 ⁵
259AT	1 1/4	9.35	7.72	2.94	11.25	4.94	4.00	3.31	411 ⁵
2510AT	1 1/4	9.35	7.72	2.94	13.25	4.94	4.00	3.80	471 ⁵
2513AT	1 1/4	9.35	7.72	2.94	19.25	4.94	4.00	5.27	532 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 -.060
- 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

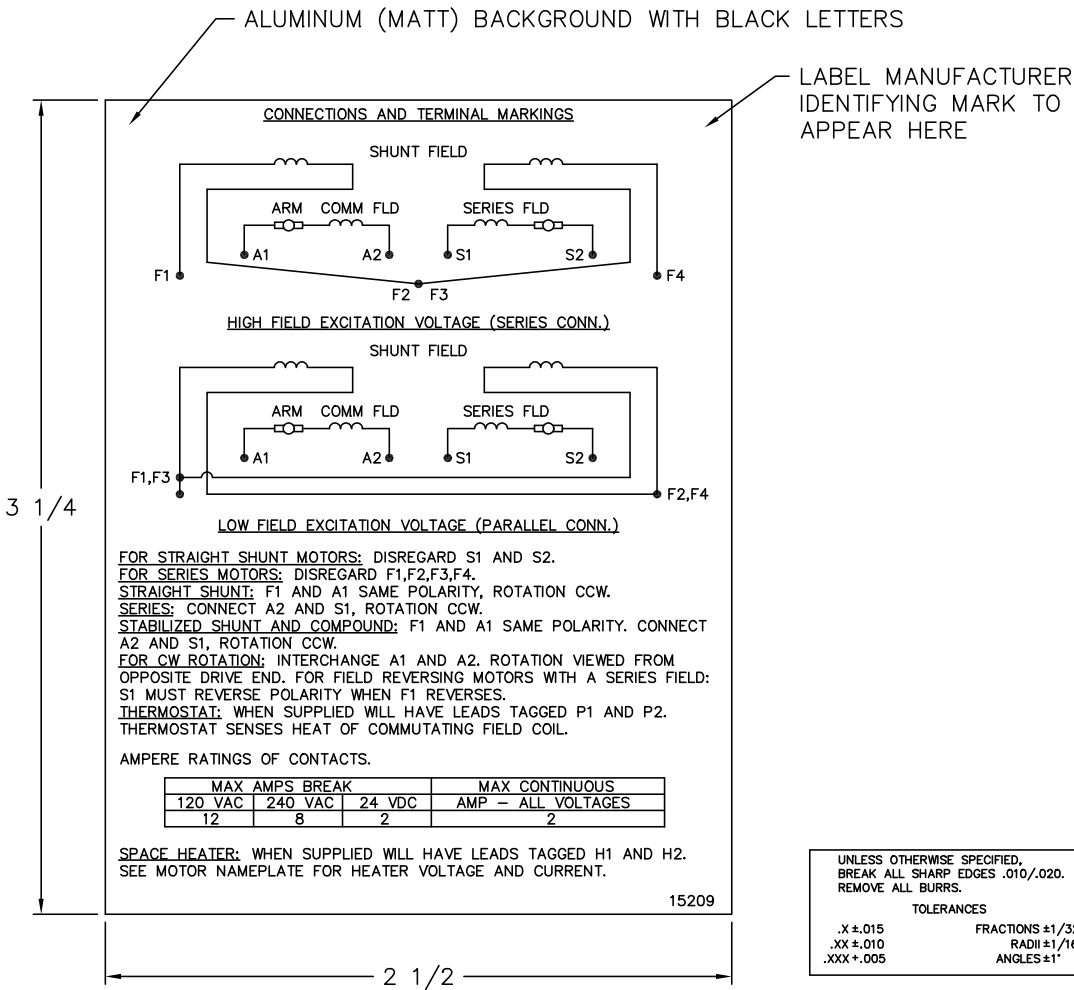
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CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: REV. "D" DIM TO +.000 -.060 ONLY		
REV. LTR: B	VERSION: 01	TDR: 000000752566
FILE: \RGG\00019\505	REVISED: 09:35:03 06/20/2012	BY: RGGNAS
MTL: -		

BALDOR
DIM SHEET, 218AT-2513AT, DPFG, STD
SH 1 of 1

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.

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

BALDOR ELECTRIC Co.

LABEL, CONNECTIONS AND TERMINAL MARKINGS DC

15209