



Customer information packet

D50150RS-BV

150HP, 1750RPM, DC, 3612ATZ, DPG-FV,

Specifications

Enclosure	DP
Frame	MC3612ATZ
Frame Material	Steel
Output Power	150.000 HP
Agency Approvals	CCSA US
Ambient Temperature	40 °C
Bearing Grease Type	Polyrex EM (-20F +300F)
Drip Cover	No Drip Cover
Feedback Device	NO FEEDBACK
Field Winding Type	STAB SHUNT
Frame Prefix	MC
Heater Indicator	No Heater
Lifting Lugs	Standard Lifting Lugs
Motor Standards	NEMA
Mounting Arrangement	F2
Overall Length	42.88 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Slinger Indicator	No Slinger

Part detail

Revision	A
Type	DC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	G6363D B
Layout	609972-049
Eff. date	01-15-2025
CD Diagram	
Poles	00
Leads	
Proprietary	False
Created date	04-09-2015

Nameplate

000613006LP									
CAT.NO.	D50150RS-BV	SPEC NO.		T36S1313					
FR	MC 3612ATZ	HP	150		DUTY		CONT		
ENCL.	DP	RPM	1750/2000		S.F.		1.0		
ENCL MOD	FORCE VENT	VOLTS		500		INSUL		F	
MAX SAFE SPEED	03400	AMPS	240.00		AMB.		40		
FIELD DATA		SER.NO.							
WINDING	STAB SHUNT	POWER CODE		C					
VOLTS	300	D.E. BRG.		95BC02J30X					
MAX AMPS @ 25 C	4.81	O.D.E. BRG.		80BC02J30X					
HOT AMPS	3.47/2.98	MIN. AMB.		0		TYPE		TR	
BRUSH:419904052AF									
AIR BAFFLED									

INDUSTRIAL DIRECT CURRENT MOTORS
AND GENERATORS - RPM III

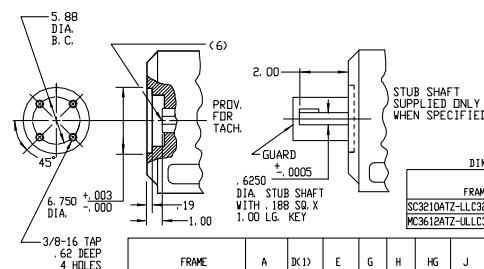
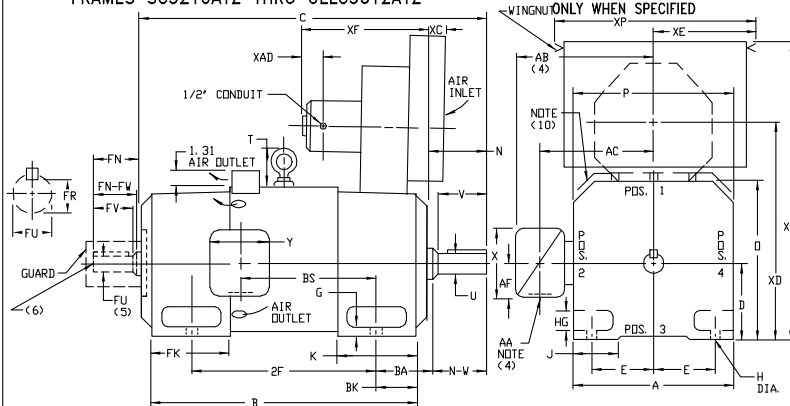
ENCLOSURE: DRIP-PROOF FULLY-GUARDED,
SPLASHPROOF

COOLING: FORCE VENTILATED WITH
INTEGRAL BLOWER AND
MOTOR AIR FILTERED-
SPECIAL BAFFLE

MOUNTING:FOOT

ACCESSORIES: PROVISION FOR
TACHOMETER MOUNTING

FRAMES SC3210ATZ THRU ULLC3612ATZ



DIMENSIONS ARE IN INCHES

FRAME	XC	XD	XE	XF	XD	XP	XA
SC3210ATZ-LLC3212ATZ	.88	23.44	11.25	17.69	38.63	22.50	3.00
MC3612ATZ-LLC3612ATZ	.69	23.94	9.83	18.81	38.25	22.50	11.00

FRAME	A	D(1)	E	G	H	HG	J	O	P	T	BA	K	FK		
													STD.	LG(B)	R
SC3210ATZ-LLC321ATZ	15.50	8.00	6.25	.75	.69	2.25	3.00	15.81	15.62	4.25	5.25	6.75	7.94	10.44	4.4
MC3612ATZ-ULLC3612ATZ	17.50	9.00	7.00	.88	.81	2.62	3.50	17.81	17.62	4.25	5.88	7.75	8.56	10.31	4.4

FRAME	METHOD OF DRIVE	C(7)		B		DRIVE END SHAFT AND KEY										OPPOSITE DRIVE END SHAFT AND KEY (S)					WT. LBS	
		DRIVE	SLGT.	SLGT.	SLGT.	B	2F	N	N-W	U	V	R(3)	Q	LGTH.	FN	FN-F	F(2)	FV	FR(3)	Q		LGTH.
SC3210ATZ - LSC3210ATZ	(C)	36.25	36.75	38.31	30.81	13.38	28.00	5.50	5.25	6.625	5.00	2.275	6.625	4.00	7.75	4.50	2.50	4.25	1.972	50.0	3.25	111
MC3210ATZ - LMC3210ATZ	(C)	39.25	41.75	31.31	33.81	16.38	25.00	5.50	5.25	6.625	5.00	2.275	6.625	4.00	7.75	4.50	2.50	4.25	1.972	50.0	3.25	121
LC3210ATZ - LMC3210ATZ	(C)	41.25	43.75	33.31	35.81	18.38	25.00	5.50	5.25	6.625	5.00	2.275	6.625	4.00	7.75	4.50	2.50	4.25	1.972	50.0	3.25	125
SC3210ATZ - LSC3210ATZ	BEVELT	42.88	44.62	34.34	33.81	16.38	25.00	4.00	5.75	2.875	5.50	2.50	4.50	1.25	6.00	5.75	2.875	5.50	4.50	4.00	4.25	186
LC3210ATZ - LMC3210ATZ	COUPLED	42.88	44.62	34.34	36.19	18.38	28.00	6.75	5.75	2.875	5.50	2.50	4.50	1.25	6.00	5.75	2.875	5.50	4.50	4.00	4.25	186
MC3210ATZ - LMC3210ATZ	BEVELT	43.62	45.38	39.44	36.19	18.38	26.00	6.75	5.75	2.875	5.50	2.50	4.50	1.25	6.00	5.75	2.875	5.50	4.50	4.00	4.25	163
LC3210ATZ - LMC3210ATZ	COUPLED	46.62	48.38	39.49	39.94	1.88	28.00	6.00	5.75	2.875	5.50	2.50	4.50	1.25	6.00	5.75	2.875	5.50	4.50	4.00	4.25	186
LC3210ATZ - LMC3210ATZ	COUPLED	47.38	49.13	38.49	39.94	1.88	28.00	6.75	5.75	2.875	5.50	2.50	4.50	1.25	6.00	5.75	2.875	5.50	4.50	4.00	4.25	186

- [illegible]

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

REV. DESC: LOADED TO BUS		
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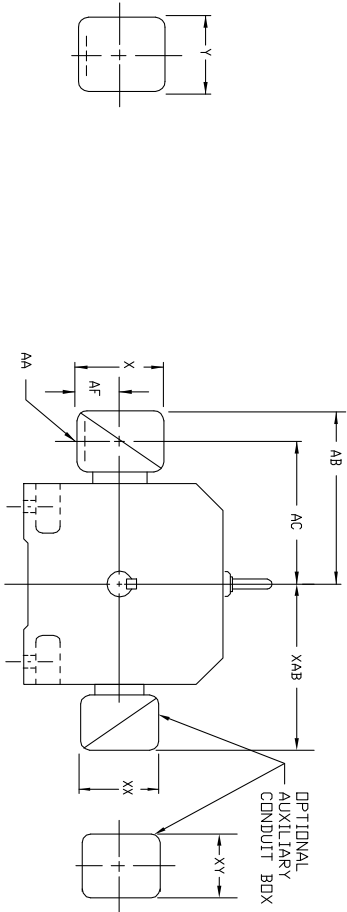
BALDOR

DIMENSION DRAWING SC3210ATZ - ULLC3612ATZ.DPP FOOT MTG.

SH 1 of 1

INDUSTRIAL DIRECT CURRENT MOTORS
AND GENERATORS – RPM III

STEEL AND CAST IRON TERMINAL BOX DIMENSIONS
STANDARD SIZE AND ONE SIZE LARGER
FRAMES C3210ATZ THRU C3613ATZ



DIMENSIONS ARE IN INCHES

STEEL TERMINAL BOX DIMENSIONS															
FRAME SIZE	MAX AMPS	STANDARD SIZE					PART NUMBER	ONE SIZE LARGER					PART NUMBER		
		AA(1)	AB	AC	AF	X		Y	AA(1)	AB	AC	AF		X	Y
C3210ATZ	128	2	14.88	11.38	4.25	8.44	7.25	74874-R	3	15.31	12.06	4.25	8.44	7.25	74874-24-R
C3212ATZ	185	3	15.31	12.06	4.25	8.44	7.25	74874-24-R	4	16.75	12.69	5.38	10.56	9.00	700308-3-R
C3214ATZ	269	4	16.75	12.69	5.38	10.56	9.00	700308-3-R	5	21.00	15.88	6.50	12.10	14.62	702658-1-C
C3612ATZ	500	5	21.00	15.88	6.50	12.10	14.62	702658-1-C	5	21.00	15.88	6.50	12.10	14.62	702658-1-C
C3612ATZ	128	2	15.88	12.38	4.50	8.44	7.25	74874-R	3	16.31	13.06	4.25	8.44	7.25	74874-24-R
C3613ATZ	185	3	16.31	13.06	4.25	8.44	7.25	74874-24-R	4	17.75	13.69	5.38	10.56	9.00	700308-3-R
C3613ATZ	269	4	17.75	13.69	5.38	10.56	9.00	700308-3-R	5	22.00	15.88	6.50	12.10	14.62	702658-1-C
	500	5	22.00	15.88	6.50	12.10	14.62	702658-1-C	5	22.00	15.88	6.50	12.10	14.62	702658-1-C

CAST IRON TERMINAL BOX DIMENSIONS															
FRAME SIZE	MAX AMPS	STANDARD SIZE					PART NUMBER	ONE SIZE LARGER					PART NUMBER		
		AA(2)	AB	AC	AF	X		Y	AA(2)	AB	AC	AF		X	Y
C3210ATZ	128	1-1/2	13.62	11.19	3.00	6.00	7.00	75460-R	3	15.31	11.56	3.62	7.88	9.25	76700-R
C3212ATZ	185	3	15.31	11.56	3.62	7.88	9.25	76700-R	4	16.62	12.44	4.12	9.50	10.50	76708-R
C3214ATZ	269	4	16.62	12.44	4.12	9.50	10.50	76708-R	5	19.44	14.19	7.00	12.75	15.00	76870-S
C3612ATZ	500	5	19.44	14.19	7.00	12.75	15.00	76870-S	6	19.44	14.19	7.00	12.75	15.00	76870-S
C3612ATZ	128	1-1/2	14.62	12.19	3.00	6.00	7.00	75460-R	3	16.31	12.56	3.62	7.88	9.25	76700-R
C3613ATZ	185	3	16.31	12.56	3.62	7.88	9.25	76700-R	4	17.62	13.44	4.12	9.50	10.50	76708-R
C3613ATZ	269	4	17.62	13.44	4.12	9.50	10.50	76708-R	5	20.44	15.19	7.00	12.75	15.00	76870-R
C3613ATZ	500	5	20.44	15.19	7.00	12.75	15.00	76870-R	6	20.44	15.19	7.00	12.75	15.00	76870-R

CONDUIT BOX DIMENSIONS WITH TERMINAL BOARDS (IEC TYPE BOX)											
STANDARD SIZE											
FRAME SIZE	AMPS	AB	AC	AF	X	AA (3)	Y	PART NUMBER			
C320	400	19.02	15.28	6.20	14.39	---	14.39	706310-63-B			
	800	19.02	15.28	6.20	14.39	---	14.39	706310-63-B			
	1600	19.02	15.28	7.68	15.35	---	15.35	706310-63-C			
C360	400	20.00	15.28	6.20	14.39	---	14.39	706310-63-B			
	800	20.00	15.28	6.20	14.39	---	14.39	706310-63-B			
	1600	20.00	15.28	7.68	15.35	---	15.35	706310-63-C			

OPTIONAL AUXILIARY CONDUIT BOX DIMENSIONS (MAXIMUM)											
FRAME SIZE	XAB	XX	XY	PART NUMBER	FRAME SIZE	XAB	XX	XY	PART NUMBER		
C320	10.00	4.25	4.25	602007-26-A	C320	13.50	8.00	8.00	706310-3-B		
C360	11.00	4.25	4.25	602007-26-A	C360	14.50	8.00	8.00	706310-3-B		

- (1) "AA" CONDUIT.
- (2) "AF" PIPE TAP.
- (3) CUSTOMER TO PROVIDE HOLE FOR CONDUIT.
- (4) TERMINAL BOX LOCATED ON OPPOSITE SIDE WHEN F-2, V-1, V-4, V-5, W-7, OR C-1 MOUNTING IS SPECIFIED. BOX LOCATED ON TOP WHEN SPECIFIED.
- (5) "X/P" TERMINAL BOX DIMENSIONS SEE 609979-2.
- (6) FOR MILL TYPE TERMINAL BOX DIMENSIONS SEE 609979-3.

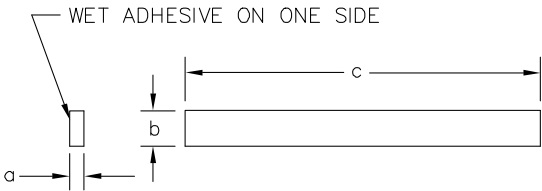
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: LOAD TO BUS	VERSION: 00	TDR: 000000958110
REV. LTR: -	REVISED: 08:37:45 12/17/2015	BY: RGGWT
FILE: \RGG\00026\318		
MTL: -		

DIM SHT,C3210ATZ THRU C3613ATZ,W/AUX C/BOX

SH 1 of 1

065564-004



SYM	MAKE FROM	a	b	c	REMARKS
A	X	1/8	5/8	24*	TERMBX & CVR 180AT-250AT
B	X	1/8	5/8	37 1/2*	TERMBX & CVR 280AT-320AT
C	Y	1/4	5/8	44 1/2Δ	FILTER TO HOUSING GASKET
D	X	1/8	5/8	170"	TEAO HEAT EXCH.
E	Y	1/4	5/8	72"Δ	TERMBX & CVR

SYM	MAT'L SPEC	a	b	c
X	46024-XV	1/8	5/8	* 50' ROLL; WET ADHESIVE ON ONE SIDE
Y	46024-XV	1/4	5/8	* 50' ROLL; WET ADHESIVE ON ONE SIDE

Δ RELIANCE WILL CUT AND MOUNT ON FILTER HOUSING PER ASSEMBLY DRAWING 603989-2.

* PROD. NOTE: WHEN ORDERING THRU PURCHASING ORDER AS 50 FT. ROLLS, WET ADHESIVE ON ONE SIDE. RELIANCE WILL CUT AND MOUNT ON COVER. PER INSTRUCTIONS ON COVER DRAWINGS.

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

REV. DESC: CHANGE DESCRIPTION ON TITLE BLOCK		
REV. LTR: C	VERSION: 03	TDR: 000000571980
FILE: \RGG\00000\220	REVISED: 10:54:04 12/16/2010	BY: RGGWT
MTL: -		

BALDOR

GASKET,STRIP,CLOSED CELL NEOPRENE

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065564-004