

BALDOR® • RELIANCE

Product Information Packet

D50300R-BV

300 1750 LC3613ATZ DPFV STR SHNT

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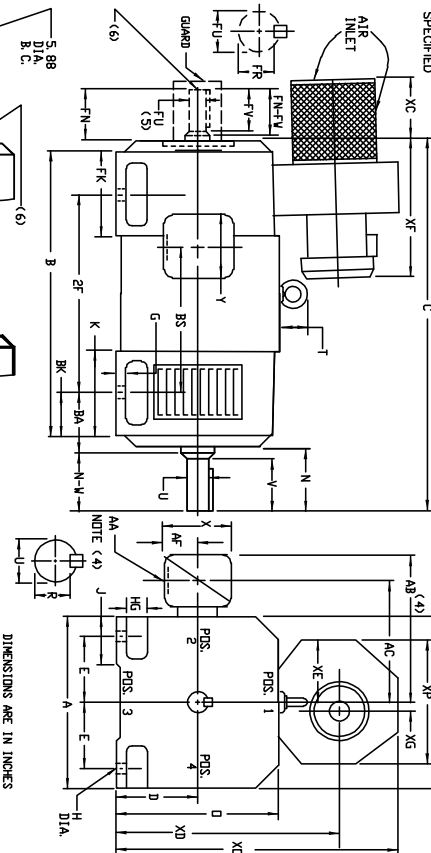
Part Detail			
Type:	DC	Prod. Type:	TR
Power Code:	C	Weight:	2190
Frame Group:	LC 3613ATZ	Mounting Pos.:	F2
HP:	300	Enclosure:	DPFV
RPM:	1750/2000	Wound:	STR. SHUNT
Service Factor:	1.0	Arm V:	500
Arm A:	478.00	Field V:	300
Field A:	12.57	Field A Hot:	8.71/7.37
Insulation Class:	F	Ambient:	40
Duty:	CONT	DE Bearing:	95BC02J30X
ODE Bearing:	80BC02J30X	Brushes:	419904-52AB
Brush Qty.:			

616042-001

FRAMES MC3612ATZ THRU ULC3613ATZ

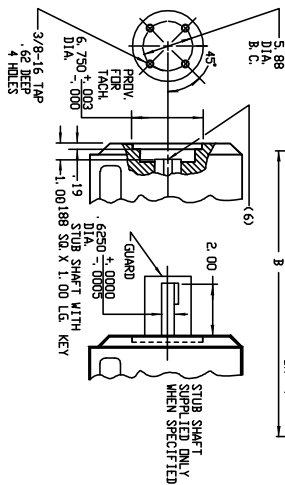
ACCESSORIES: PROVISION FOR TACHOMETER MOUNTING

**FILTER
SUPPLIED
ONLY WHEN
SPECIFIED**



DIMENSIONS ARE IN INCHES

FRAME	XC			XF					
	STL	LG (8)	XD	XE	STL	LG (8)	XG	XD	XP
MC3612A17-ULC3612A17	6.50	4.75	24.06	6.50	19.00	20.75	(9)	29.75	13.00
C3613A17-ULC3613A17	8.19	6.44	23.94	5.31	20.44	22.19	3.38	31.50	15.12



FRAME	A	DK(1)	E	G	H	HG	J	D	P	T	BA	K	FK		
													STD.	LG (8)	
MC3612A17-ULC3613A17	17.50	9.00	7.00	.88	.81	2.62	3.50	17.81	17.62	3.54	5.88	7.23	8.56	10.31	4.62

FRAME	DATE	STUD. ID. (B)	STUD. ID. (R)	SEX	AGE	N	INJURY (E)	INJURY (R)	INJURY (L)	POST-TRAUMATIC INJURY (E)	POST-TRAUMATIC INJURY (R)	POST-TRAUMATIC INJURY (L)
MC3212/27-11-03/03/27	REC12	42	88	44	36	19	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	43	85	45	38	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	44	82	46	39	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	45	84	47	40	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	46	81	48	41	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	47	78	49	42	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	48	75	50	43	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	49	72	51	44	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	50	69	52	45	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	51	66	53	46	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	52	63	54	47	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	53	60	55	48	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	54	57	56	49	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	55	54	57	50	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	56	51	58	51	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	57	48	59	52	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	58	45	60	53	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	59	42	61	54	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	60	39	62	55	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	61	36	63	56	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	62	33	64	57	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	63	30	65	58	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	64	27	66	59	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	65	24	67	60	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	66	21	68	61	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	67	18	69	62	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	68	15	70	63	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	69	12	71	64	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	70	9	72	65	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	71	6	73	66	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	72	3	74	67	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	73	0	75	68	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	74	0	76	69	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	75	0	77	70	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	76	0	78	71	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	77	0	79	72	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	78	0	80	73	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	79	0	81	74	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	80	0	82	75	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	81	0	83	76	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	82	0	84	77	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	83	0	85	78	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	84	0	86	79	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	85	0	87	80	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	86	0	88	81	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	87	0	89	82	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	88	0	90	83	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	89	0	91	84	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	90	0	92	85	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	91	0	93	86	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	92	0	94	87	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	93	0	95	88	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	94	0	96	89	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	95	0	97	90	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	96	0	98	91	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	97	0	99	92	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	98	0	100	93	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	99	0	101	94	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	100	0	102	95	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	101	0	103	96	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	102	0	104	97	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	103	0	105	98	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	104	0	106	99	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	105	0	107	100	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	106	0	108	101	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	107	0	109	102	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	108	0	110	103	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	109	0	111	104	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	110	0	112	105	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	111	0	113	106	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	112	0	114	107	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	113	0	115	108	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	114	0	116	109	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	115	0	117	110	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	116	0	118	111	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	117	0	119	112	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	118	0	120	113	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	119	0	121	114	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	120	0	122	115	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	121	0	123	116	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	122	0	124	117	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	123	0	125	118	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	124	0	126	119	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	125	0	127	120	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	126	0	128	121	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	127	0	129	122	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	128	0	130	123	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	129	0	131	124	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	130	0	132	125	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	131	0	133	126	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	132	0	134	127	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	133	0	135	128	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	134	0	136	129	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	135	0	137	130	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	136	0	138	131	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	137	0	139	132	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	138	0	140	133	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	139	0	141	134	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	140	0	142	135	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	141	0	143	136	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	142	0	144	137	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	143	0	145	138	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	144	0	146	139	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	145	0	147	140	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	146	0	148	141	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	147	0	149	142	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	148	0	150	143	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	149	0	151	144	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	150	0	152	145	18	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	151	0	153	146	16	12	28	0	5	0	5
MC3212/27-11-03/03/27	REC12	152	0	154	147	18	12					

- [illegible]

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

REV. DESC: ENLARGE SO PRINT IS MORE LEGIBLE

REV. LTR: A

VERSION: 01

TDR: 000000762335

REVISÉ: 01:30:17 08/27/2012

MTL: —

BY: RGGWT

BALDOR

DIMENSION DRAWING,MC3612ATZ – ULC3613ATZ,DPP,FOOT MTG

SH 1 of 1



- CUSTOMER _____
- CUSTOMER ORDER NO. _____
- RELiance S.D. NO. _____

C/R 244907, 290048, 354478, 354480

REL. S.O.	FRAME	RATING	HP	ARM. VOLTS	ARM. AMPS
	LC3613ATZ	300HP	1750	500	478
WINDING TYPE					
	S.F.	ENCL.	AMB °C/INSUL	DUTY	FIELD VOLTS
STRAIGHT SHUNT	1.0	DPFV	40/F	CONT	300
POWER CODE					
	TYPE	WK ² (LB-FT ²)	HOT ARM. CIR. RES.	FLD. AMPS@25 °C	HOT FIELD RES
C	TR	54.00	.0359	12.5	34.4
ARM. CIR. IND. (mh)					
	FIELD IND. (H)	COOLING AIR (CFM/IN H 20)		TURNS PER COIL SHUNT/SERIES	TEST DATE
1.05	12.8	1000/4.0		470/.00000	-
LOAD PERFORMANCE					
LOAD	AMPERES	TORQUE IN LB.-FT.	OUTPUT IN HP	HP	% EFFICIENCY
NO LOAD	6.7	0	0	1745	0
1/4	120	223	74.0	1742	85.6
2/4	239	453	151	1753	90.8
3/4	359	669	226	1777	91.8
4/4	478	867	300	1815	91.7
O.L.	717	1202	440	1922	90.4
RPM VS. FIELD AMPS					
FIELD AMPS	RPM N.L.	RPM F.L.	Eg N.L. @ BASE SPEED	Eg F.L. @ BASE SPEED	
8.71	1744	1814	500	462	
8.01	1805	1905	482	441	
7.32	1882	2009	462	418	
6.63	1986	2137	438	393	
5.93	2123	2300	411	365	
REMARKS: TYPICAL DATA MAXIMUM SAFE SPEED = 3400 RPM SPEED REGULATOR REQUIRED FOR STABILITY					
RELIANCE 		DR. BY <u>R. ERLACHER</u> CK. BY <u>T. BELT</u> APP. BY <u>T. EVON</u> DATE <u>05-16-94</u>		D-C MOTOR PERFORMANCE DATA D68291A ISSUE DATE 01-22-2003	

