

BALDOR® • RELIANCE

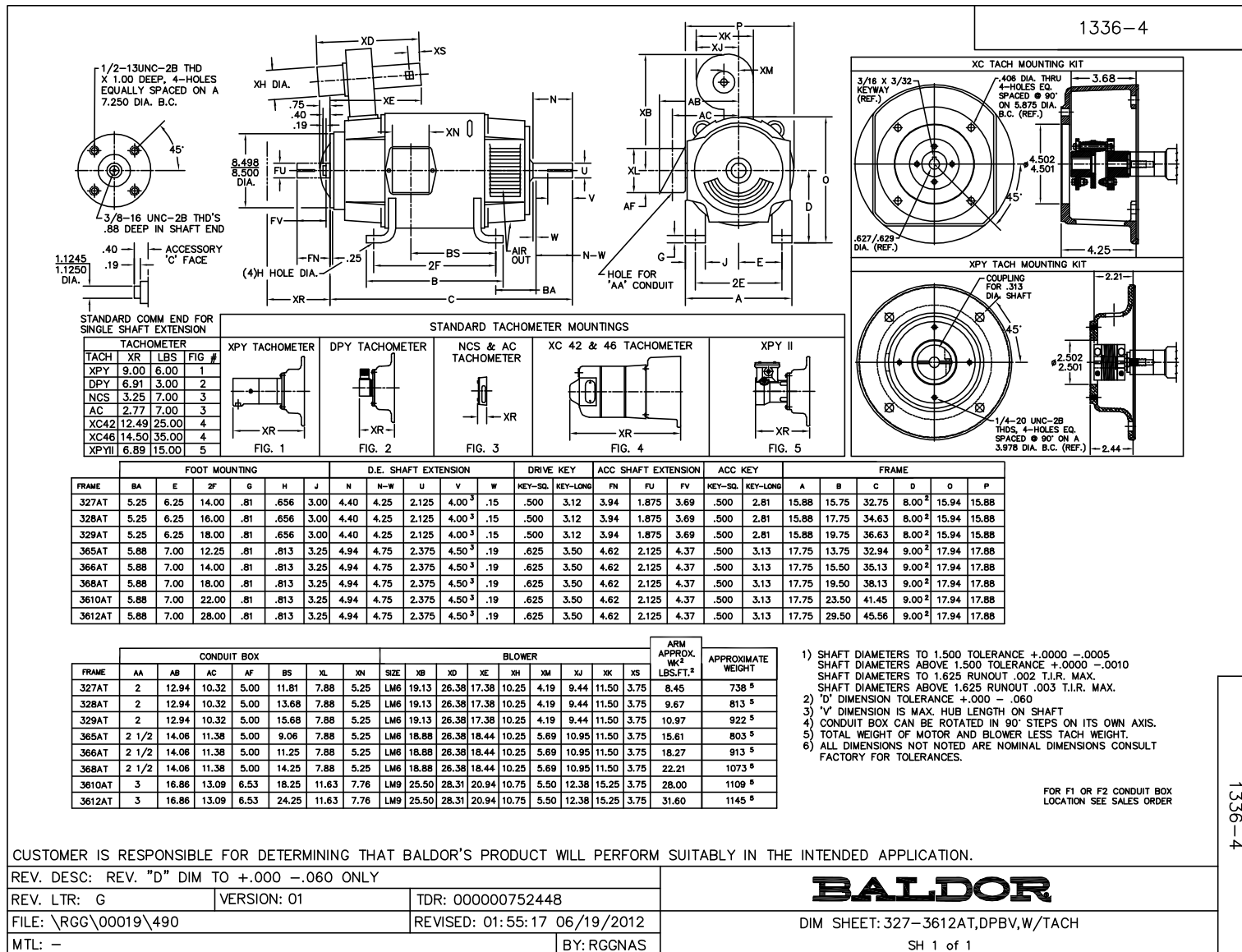
Product Information Packet

D5075P-BV

75HP,1750/2100RPM,DC,366AT,DPBV,F1

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Part Detail			
Type:	DC	Prod. Type:	TR
Power Code:	D	Weight:	960
Frame Group:		Mounting Pos.:	F1
HP:	75	Enclosure:	DPBV
RPM:	1750/2100	Wound:	STAB SHUNT
Service Factor:	1.0	Arm V:	500
Arm A:	123.00	Field V:	150/ 300
Field A:	4.48/2.24	Field A Hot:	2.98-2.22/1.49-
Insulation Class:	F	Ambient:	40
Duty:	CONT	DE Bearing:	6213
ODE Bearing:	6211	Brushes:	36024-3
Brush Qty.:			



15209

ALUMINUM (MATT) BACKGROUND WITH BLACK LETTERS

LABEL MANUFACTURER IDENTIFYING MARK TO APPEAR HERE

3 1/4

2 1/2

15209

15209

CONNECTIONS AND TERMINAL MARKINGS

SHUNT FIELD

ARM COMM FLD

SERIES FLD

F1 F2 F3 F4

F1,F3 F2,F4

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.

UNLESS OTHERWISE SPECIFIED, BREAK ALL SHARP EDGES .010/.020. REMOVE ALL BURRS.

TOLERANCES

.X ±.015	FRACTIONS ±1/32
.XX ±.010	RADI ±1/16
.XXX ±.005	ANGLES ±1°

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"

60291

SCALE: - BY: BKW REVISED: 02/19/97

FILE: CHB00002485 TDR: 0115147

BALDOR ELECTRIC Co.

LABEL, CONNECTIONS AND TERMINAL MARKINGS DC

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BALDOR
A MEMBER OF THE ABB GROUP

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REL. S.O.	FRAME	RATING	RPM	ARM. VOLTS	ARM. AMPS
	366	75.0HP	1750	500	123
WINDING TYPE					
	S.F.	ENCL.	AMB °C/INSUL	DUTY	FIELD VOLTS
STAB. SHUNT	1.0	DPG	40/F	CONT	300
POWER CODE					
	TYPE	WK ² (LB-FT ²)	HOT ARM. CIR. RES.	FLD. AMPS@25 °C	HOT FIELD RES
D	TR	16.08	.193	2.23	201
ARM. CIR. IND. (mh)					
	FIELD IND. (H)	COOLING AIR (CFM/IN H ² O)		TURNS PER COIL SHUNT/SERIES	TEST DATE
3.93	72.6	-/-		1600/4	-
LOAD PERFORMANCE					
LOAD	AMPERES	TORQUE IN LB.-FT.	OUTPUT IN HP	RPM	% EFFICIENCY
NO LOAD	2.4	0	0	1955	0
1/4	31	52.3	18.8	1889	86.6
2/4	62	110	38.5	1833	89.8
3/4	92	168	57.6	1800	90.8
4/4	123	224	76.0	1783	90.4
O.L.	185	327	111	1781	88.6
RPM VS. FIELD AMPS					
FIELD AMPS	RPM N.L.	RPM F.L.	Eg N.L. @ BASE SPEED	Eg F.L. @ BASE SPEED	
1.48	1955	1782	444	407	
1.39	2066	1846	424	387	
1.30	2180	1920	401	367	
1.21	2315	2005	378	346	
1.11	2477	2100	353	324	
REMARKS: TYPICAL DATA					

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DR. BY E. H. GILLIOT
CK. BY R. ERLACHER
APP. BY R. ERLACHER
DATE 05-15-2009

D-C MOTOR
PERFORMANCE
DATA
DK0090A
ISSUE DATE 05-15-2009

