

BALDOR® • RELIANCE

Product Information Packet

ZDVSNM3665T

5HP,1750RPM,3PH,60HZ,184TC,0643M,TENV,F1

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0643M	Elec. Spec:	06WGX369	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	06H929	Layout:	06LYH929
Frame:	184TC	Mounting:	F1	Poles:	04	Created Date:	09-05-2012
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	09-20-2013
Leads:	9#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1167L									
CAT NO	ZDVSNM3665T								
SPEC.	06H929X369Z1								
FRAME	184TC	HP	5 TE						
VOLTS	230/460								
MAG CUR	7.2/3.6	FLA	13.2/6.6						
RPM	1750	RPM MAX	6000						
HZ	60	PH	3	CLASS		F			
SER.F.	1.00	DES	A	SL HZ		1.6			
NEMA-NOM-EFF	89.5	WK2	0.4						
BLWR V		PH		HZ			A		
RATING	40C AMB-CONT								
DE BRG	6206	ODE BRG	6206						
CC		SN							
	1.5:1 CHP PWM								

Parts List		
Part Number	Description	Quantity
SA251081	SA 06H929X369Z1	1.000 EA
RA237925	RA 06H929X369Z1	1.000 EA
HW3201A05	3/8-16 EYEBOLT	1.000 EA
06CB1000A03	CONDUIT BOX, MACH	1.000 EA
06GS1000	GASKET,CONDUIT BOX	1.000 EA
51XW2520A12	SCREW, HEX SER SLT HD, ZN, 1/4-20 X .75	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
36EP1301A81	FRONT 182-4C 206 BRG W/ GRS & DRILLED T-	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
36EP1300A01SP	PU ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
10XN2520A26	1/4-20X 1 5/8 HEX HD	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
HA3101A39	THRUBOLT 1/4-20 X 10.687	4.000 EA
HA6881	BEI HS35 THRU SHAFT ENCODER PROTECTIVE C	1.000 EA
10XN3816A10	3/8-16 X 5/8 HEX HD CAP SCREW	3.000 EA
06CB1500A01	CONDUIT BOX LID, MACH	1.000 EA
06GS1001	BALDOR CONDUIT BOX GASKET	1.000 EA
10XN2520A12	O1/4-20X 3/4 HEX HEAD CAP	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
HW2501E16	3KEY, 1/4 SQ X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
OE5001A128	ENCDR KIT TENV W/OEHS35A56 W/BLIND SHAFT	1.000 EA
MG1000N49	MUNSELL 8.5BG 3.57/2.0, GLOSS 30, B/G,	0.028 GA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP1167L	SS VEC UL CSA CC	1.000 EA
36PA1001	PACKAGING GROUP	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

REL. S.O.	ZDVSNM3665T	VOLTS	460	ENCLOSURE	TEFC	WYE/CONNECTION	EQ	CKT	OHMS	PER	PHASE
FRAME	184TC	AMPS	6.6	MAX SAFE RPM	6000	(AT BASE RATING, 25°C)					
HP	5	DUTY	CONT	In (AMPS)	3.6	R1	1.1200	X1	2.8100		
BASE SPEED	1750	S.F.	1.0	P.F. @NL/FL	6/79	R2	0.9210	X2	2.3200		
PHASE/HZ	3/60	AMB°C/INSUL	40/F	WK ² (lb-ft ²)	0.4						
								XM	68.7200		

Rated Full Load Data

	RPM	HP	Torque	Volts	Freq-Hz	Amps
Base Speed	1751	5.0	15.00	460	60	6.54
Max Speed	2626	5.0	9.98	460	90	5.95
Min Speed	0	0.0	14.97	32.29	1.63	6.54

Load Performance at Base Speed

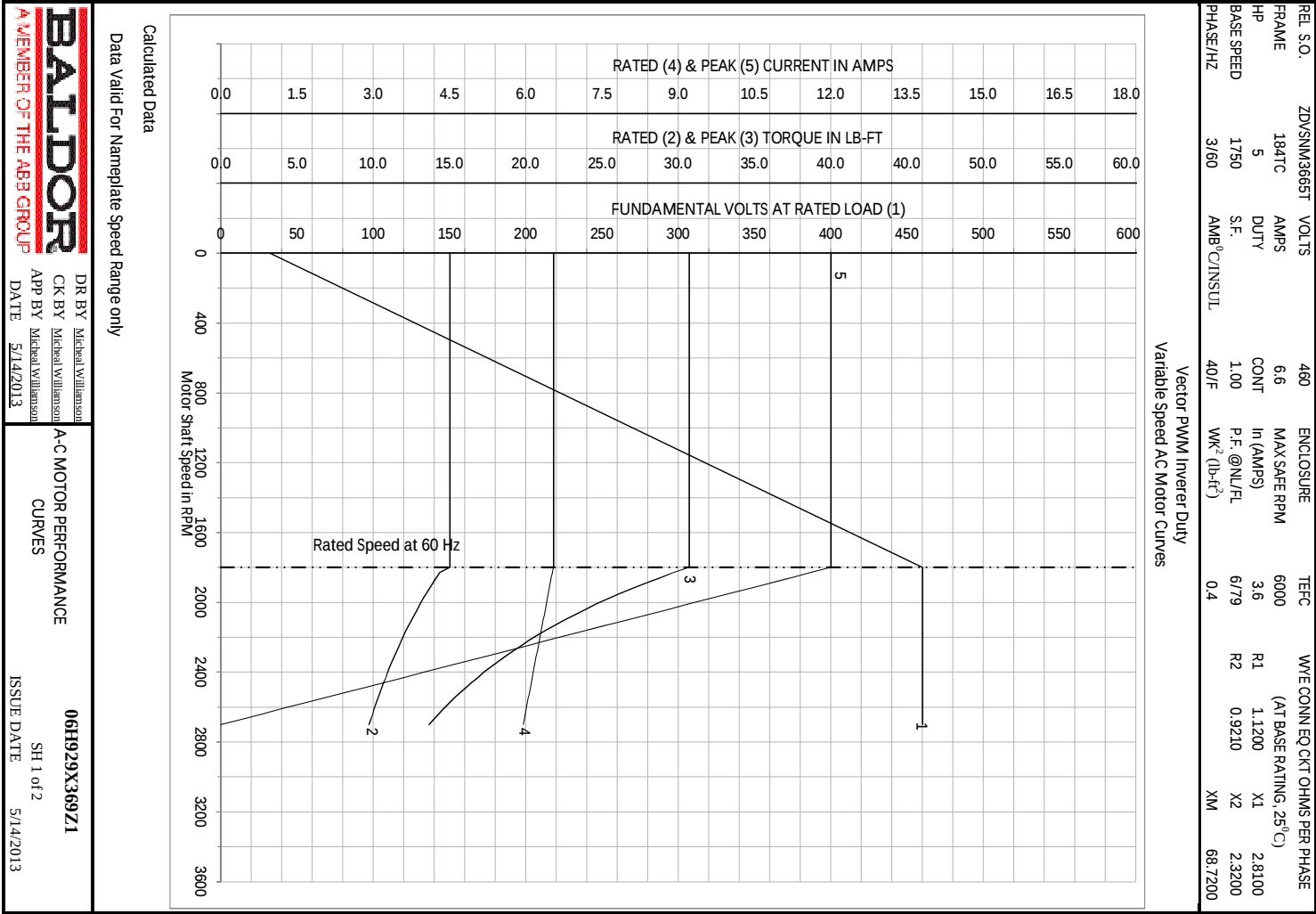
	RPM	HP	Torque	Volts	Freq-Hz	Amps
No Load	1799	0.0	0.00	460	60	3.60
1/4	1788	1.3	3.74	460	60	3.72
1/2	1777	2.5	7.52	460	60	4.37
3/4	1764	3.8	11.30	460	60	5.41
Full Load	1751	5.0	15.00	460	60	6.54
O/L	1708	10.0	30.70	460	60	12.00

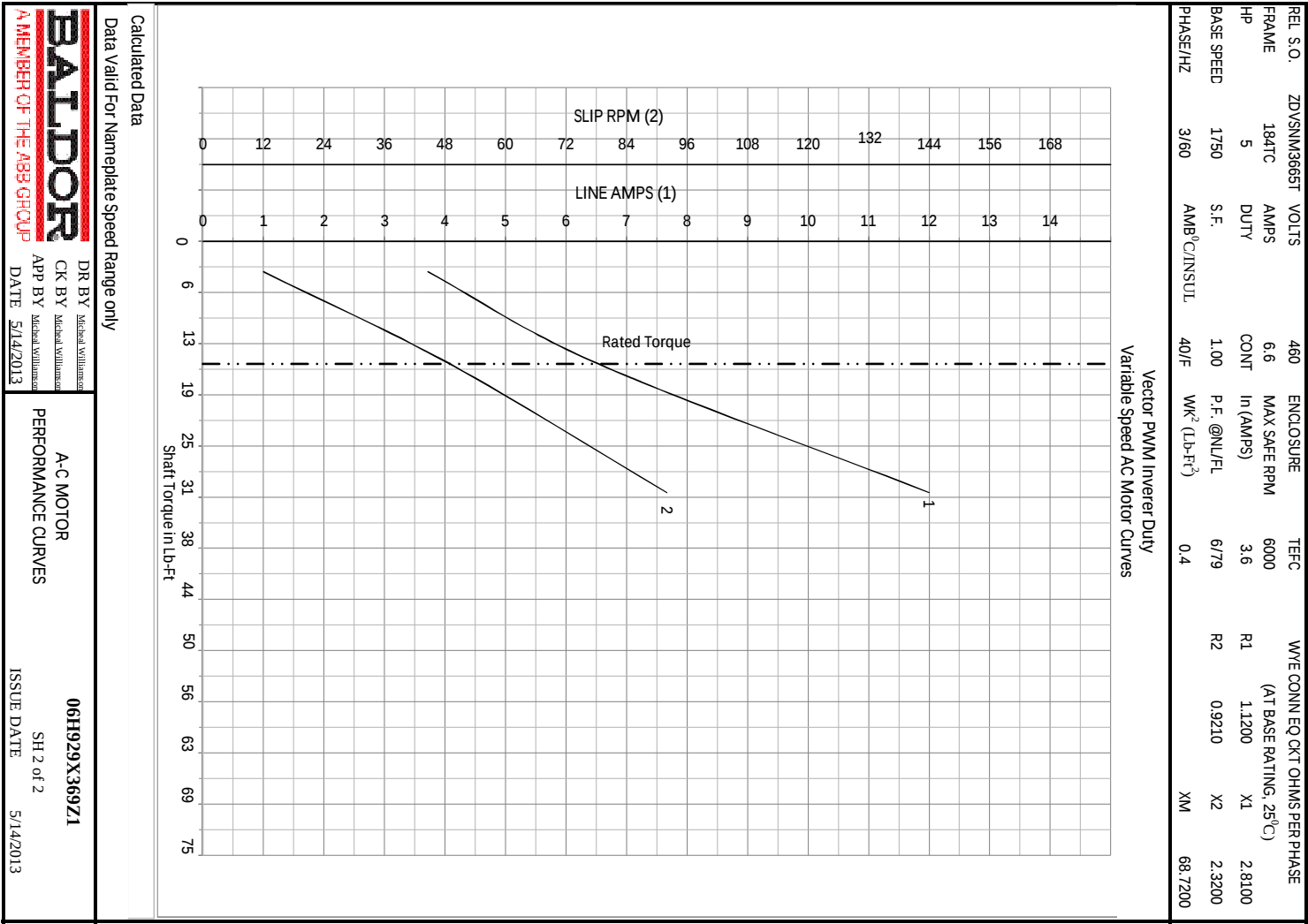
Blower Data

Volts	Ph/Hz	FL Amps	L.R Amps	Frame	CFM

Remarks: Calculated Data
Vector PWM Inverter Duty

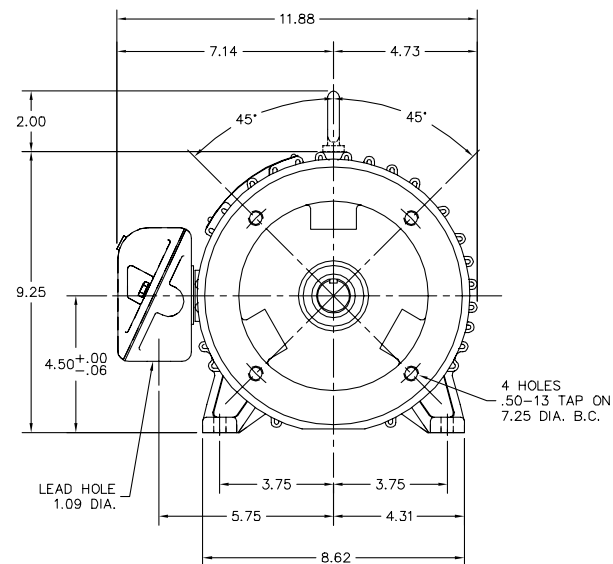
BALDOR		DR BY Michael Williams	A-C MOTOR	06H929X369Z1
A MEMBER OF THE ABB GROUP		CK BY Michael Williams	PERFORMANCE CURVES	
		APP BY Michael Williams		
		DATE 5/14/2013	ISSUE DATE	5/14/2013





Technical drawing of a Baldor motor with dimensions and labels:

- Overall width: $(614-643) = 17.85$
- Distance from left side to center: 8.86
- Grease fitting (each end): .25
- Distance from center to right side: 2.75
- Distance from center to right side (mounting flange): 2.62
- .25 KEY LONG 1.75 LONG
- 8.87
- 8.500
- 8.497
- 1.1250
- 1.1245
- PROTECTIVE COVER (MOUNT WITH CONNECTOR OPENING ON KOBX SIDE)
- 8 HOLES .41 DIA.
- 4.50
- .51
- 4.50
- 3.50
- 5.50
- 6.50
- BALDOR
- NAME PLATE



06LYH929

REV. DESC: CHANGED NOTE FOR ENCODER COVER

REV. LTR: A

VERSION: 01

TDR: 000000767560

FILE: \AAA\00193\782

REVISÉ: 10:52:50 10/04/2012

BY: ENBRAMO

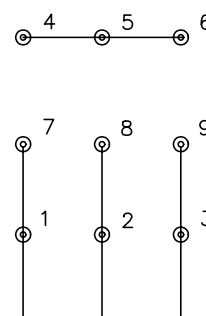
MTL: —

BALDOR

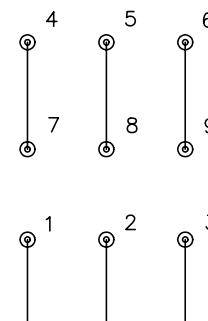
STD HORZ 182-4TC TENV V*S MASTER VECTOR W/ BEI HS35

SH 1 of 1

CD0005

LOW VOLTAGE
(2Y)

LINE

HIGH VOLTAGE
(1Y)

LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E BY: JLP

REVISED: 01/19/99 10:15

TDR: 0171435

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005