

# **BALDOR**® • *RELIANCE*

## **Product Information Packet**

# **IDWNM3609T**

**2HP, 1760RPM, 3PH, 60HZ, 182TC, 3628M, TENV, F1**

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3628M	Elec. Spec:	36WGR049	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	36J565	Layout:	36LYJ565
Frame:	182TC	Mounting:	F1	Poles:	04	Created Date:	07-01-2016
Base:	RG	Rotation:	R	Insulation:	H	Eff. Date:	07-07-2016
Leads:	9#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1608L	
CAT NO	IDWNM3609T
SPEC.	36J565R049G1
FRAME	182TC HP 2 TE
VOLTS	230/460
MAG CUR	3.2/1.6 FLA 5.6/2.8
RPM	1760 RPM MAX 6000
HZ	60 PH 3 CLASS H
SER.F.	1.00 DES B SL HZ 1.33
NEMA-NOM-EFF	86.5 WK2 0.26
BLWR V	PH HZ A
RATING	40C AMB-CONT
DE BRG	6206 ODE BRG 6205
CC	010A SN

Parts List		
Part Number	Description	Quantity
SA323174	SA 36J565R049G1	1.000 EA
RA310993	RA 36J565R049G1	1.000 EA
36CB3005A03W	36 CB .75 NPT @ 6 W/WHITE EPOXY	1.000 EA
35GS1022A03	GASKET BOX .125 THK WHITE NEOPRENE	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
36EP3104A77MW	FREP TENV 205 BRG, (WD) FOR THRU-SHAFT	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW4600B49	SEAL 0.938 X 1.624 X 0.250 SINGLE LIP DB	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36PE3301A27MW	PUEP ASSEMBLY FOR ROUTING PURPOSES	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW4600B50SP	SEAL 1.156 X 1.874 X 0.250 SINGLE LIP DB	1.000 EA
10XN2520S26	1/4-20X 1 5/8 HEX HD SS	4.000 EA
35FH4801W	THRU-SHAFT ENCODER COVER INV/VEC F1 & F2	1.000 EA
WD4129	1.50 X 1.50 GRAY SNAP IN PLUG PROMOULD #	2.000 EA
10XN2520S08	SCREW, 1/4-20 X 1/2 HHCS SS	4.000 EA
10XN2520S08	SCREW, 1/4-20 X 1/2 HHCS SS	1.000 EA
36CB4518	36 LIPPED CB LID PRIMED	1.000 EA
37GS3010	1/16"WHITE LID GASKET	1.000 EA
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 EA
HW1003S08	WASHER, #8 EX TH LK, SS	4.000 EA
HW4600B36SP	V-RING SLINGER 1.188 X 1.690 X .24 VITON	1.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
HW2502E16	#303 SS,SQ KEY 1/4 X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
MJ5004A05	#242-21 LOCTITE GENERAL PURPOSE MED. STR	0.005 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025Z02	ACTIVATOR WILKOFAS 060.02HF	0.010 GA
MG1025W01	WILKOFAS 781.01, SIGNAL WHITE #9003	0.022 GA
HA3101S25	THRUBOLT- 1/4-20 X 11.00 X	4.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP1608L	SS WD INV UL CSA CC REV MTG	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

**AC Induction Motor Performance Data**

Record # 57979 - Typical performance - not guaranteed values

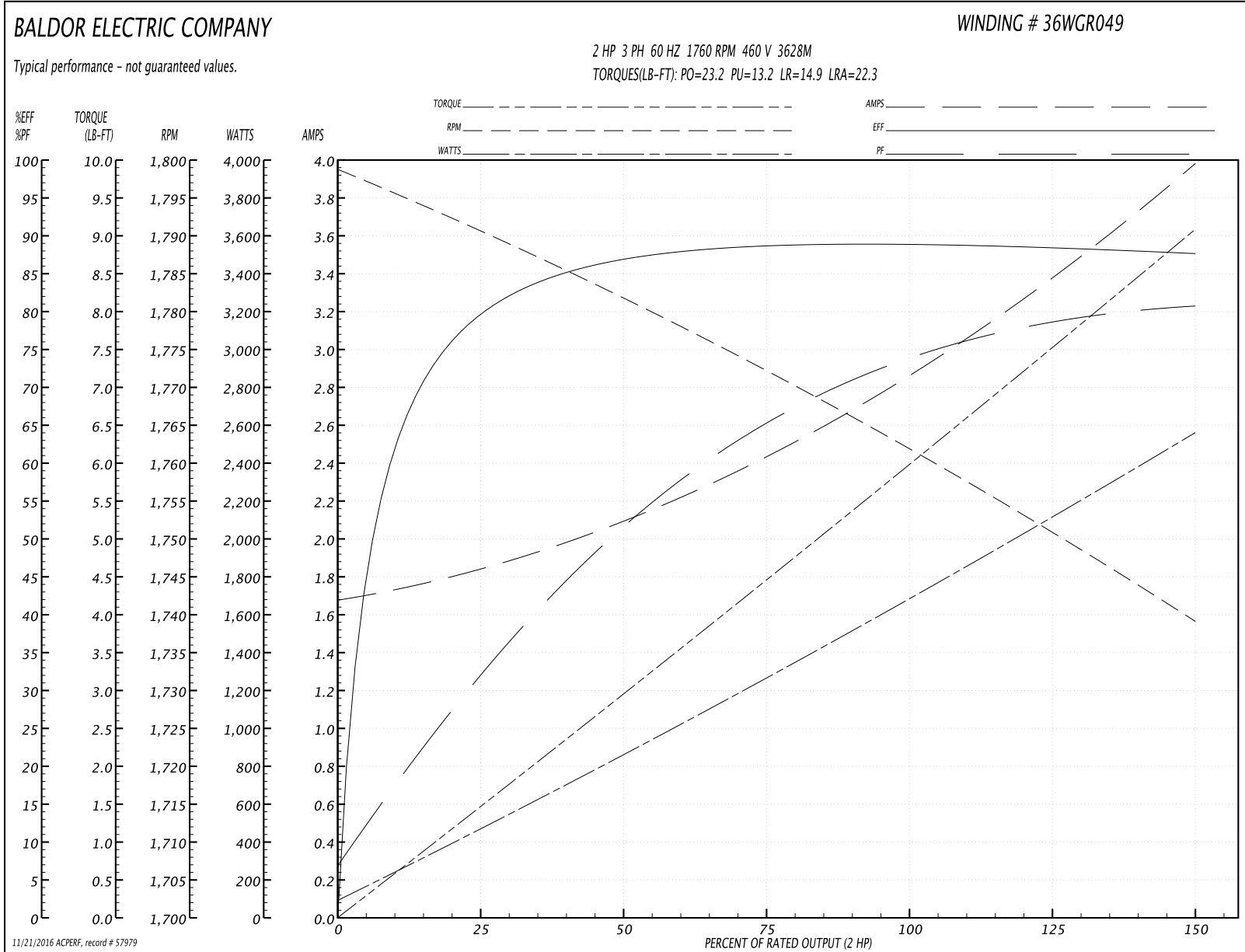
<b>Winding:</b> 36WGR049-R002	<b>Type:</b> 3628M	<b>Enclosure:</b> TENV
-------------------------------	--------------------	------------------------

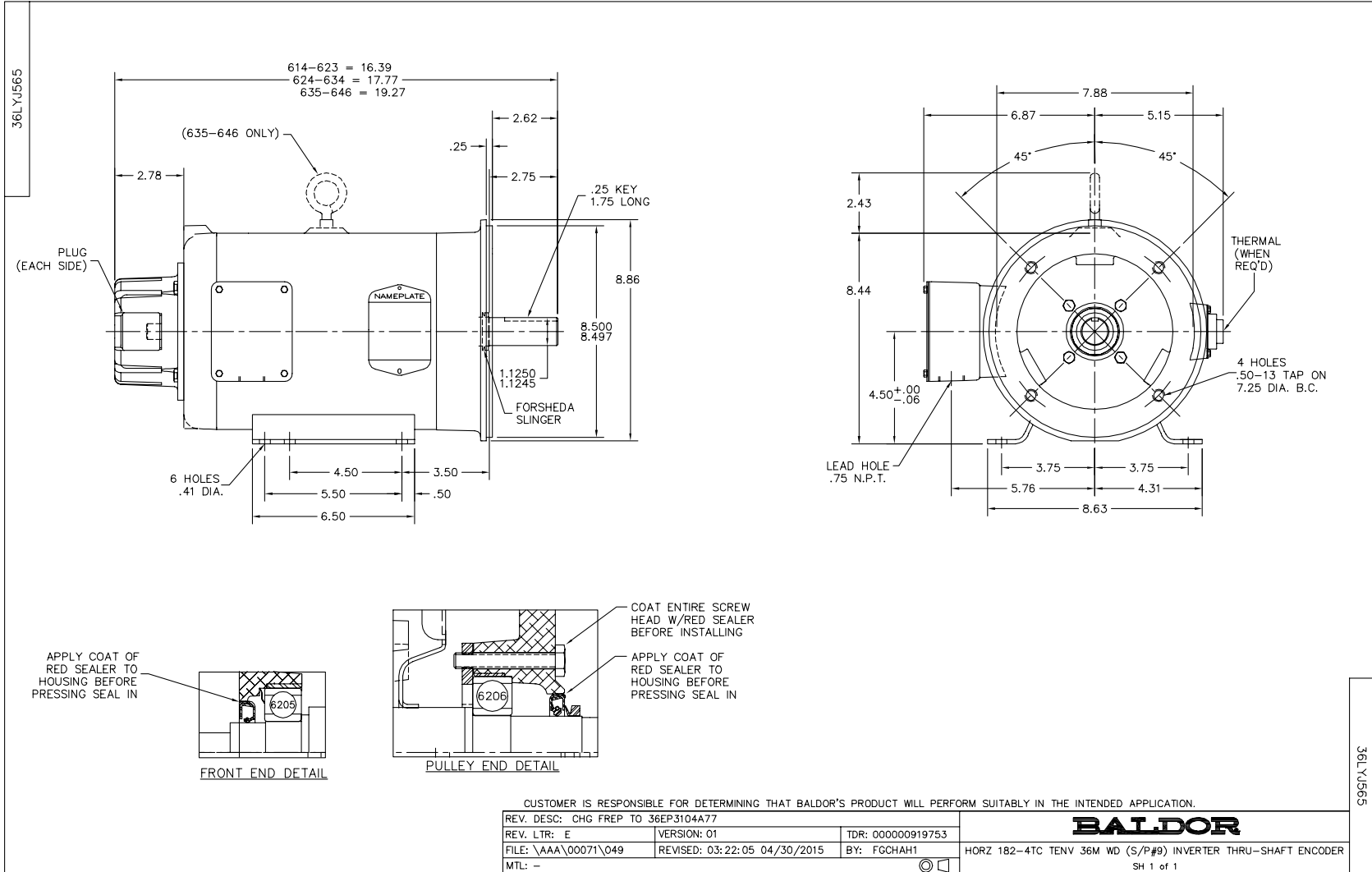
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	5.98 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	5.8/2.9			Breakdown Torque	23.2 LB-FT
R.P.M.	1760			Pull-up Torque	13.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	14.9 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	22.3 A
Service Factor (S.F.)	1			No-load Current	1.7 A
NEMA Nom. Eff.	88.5	Power Factor	73	Line-line Res. @ 25°C	5.6879 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	59°C
				Locked-rotor Power Factor	43.2

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	33	53	65	73	78	81
Efficiency	79.9	86.9	88.7	89	88.5	87.7
Speed	1790.3	1781.4	1772.5	1762	1751	1739
Line amperes	1.82	2.08	2.43	2.88	3.4	3.96

Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values





CD0005

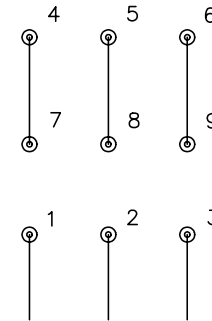


LOW VOLTAGE  
(2Y)



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
900003		FILE: AAA00005140	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS

CD0005