

BALDOR® • RELIANCE

Product Information Packet

VEBM3615T-5D

5HP,1750RPM,3PH,60HZ,184TC,3640M,TEFC,F1

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Part Detail									
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	3640M	Elec. Spec:	36WGY461	CD Diagram:			
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36M111	Layout:			
Frame:	184TC	Mounting:	F1	Poles:	04	Created Date:	05-20-2010		
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	09-24-2012		
Leads:	3#16	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP2105L									
CAT.NO.	VEBM3615T-5D								
SPEC.	36M111Y461G1								
HP	5								
VOLTS	575								
AMP	5.2								
RPM	1750								
FRAME	184TC	HZ			60	PH	3		
SER.F.	1.15	CODE			J	DES	B	CL	F
NEMA-NOM-EFF	89.5	PF			82				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V							
DE	6206	ODE			6205				
ENCL	TEFC	SN							
	IP44								

Parts List		
Part Number	Description	Quantity
SA196738	SA 36M111Y461G1	1.000 EA
RA184151	RA 36M111Y461G1	1.000 EA
S/P107-000-001	SUPER E PROC'S-FS & WS PLTS-POLYREX EM G	1.000 EA
36CB3004A67	36 CB 1.09 @ 6, .88 @ 12	1.000 EA
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
WD4500A77	CORD CONN, .50 NPT,	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
36EP1905A03	SPL FR EP FOR SPL CI FANCOVER	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP3301A23	PU ENDPLATE, ENCL. 182-4TC 206 BRG. W/GR	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
10XN2520A28	1/4-20X 1 3/4 HEX HD	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
10XN3816K64	3/8-16X4 HX HD CAP SCREW, GRADE 5	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
BR2001D01	DBSC SPLINED HUB 7/8 BOR	1.000 EA
WD4500A77	CORD CONN, .50 NPT,	1.000 EA
WD4108B06	3/4 X 1/2 REDUCING BUSHING, RB-2	1.000 EA
MR6002A02	.50 FLEX CONDUIT LIQ-TITE (STEEL/VINYL)	0.625 FT
WD4006A01	WIRE JOINT, RB-4 OR RB-44	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
06FH1005A03	FAN COVER, MACH FOR 36EP1905A03	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
10XN2520A36	1/4-20X 2 1/4 HEX HD X	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
WD4100A02	DP-1000 HEYCO PLUG OR 62MP1000 MICRO PL	1.000 EA
HA1100A06	SCREEN, RODENT	1.000 EA
13XT0832A07	8-32X7/16 TYP 23 PAN HD SLT DX	4.000 EA
36CB4516	36 LIPPED CB LID	1.000 EA
37GS1001SP	GASKET, CONDUIT BOX LID, .06 THICK LEXID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 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
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1419	CONN LABEL DODGE BRAKE (REL# 411614-15)	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
36FN3000C01SP	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 EA
MG1000N49	PAINT, 678.50 WILKO, REL GRN (55 GA)	0.022 GA
HA3101A28	THRUBOLT 1/4-20 X 12.500 OHIO ROD	4.000 EA
LB1115	LABEL,LIFTING DEVICE	1.000 EA
46BK0400C01	DBSC-V-15-MA-287/575 VAC	1.000 EA
LB1119	WARNING LABEL	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA
LB1357	ENERGY GUIDE LABEL (BOX LABEL)	1.000 SH
LC0006	CONNECTION LABEL	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
NP2105L	ALUM SUPER-E UL CSA-EEV CE CC	1.000 EA
G0PA1000	PACKAGING GROUP	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA

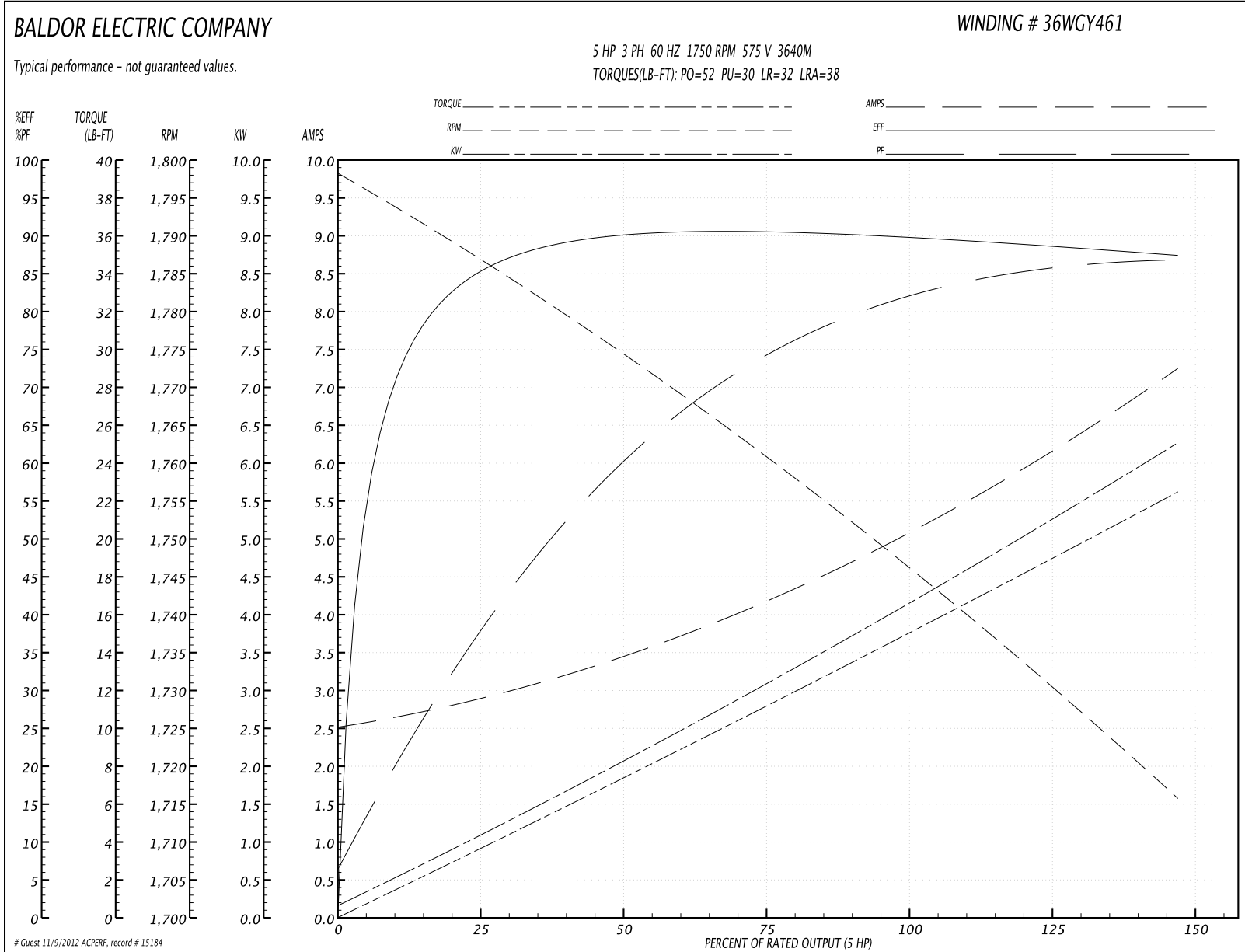
Performance Data at 575V, 60Hz, 5.0HP (Typical performance - Not guaranteed values)**General Characteristics**

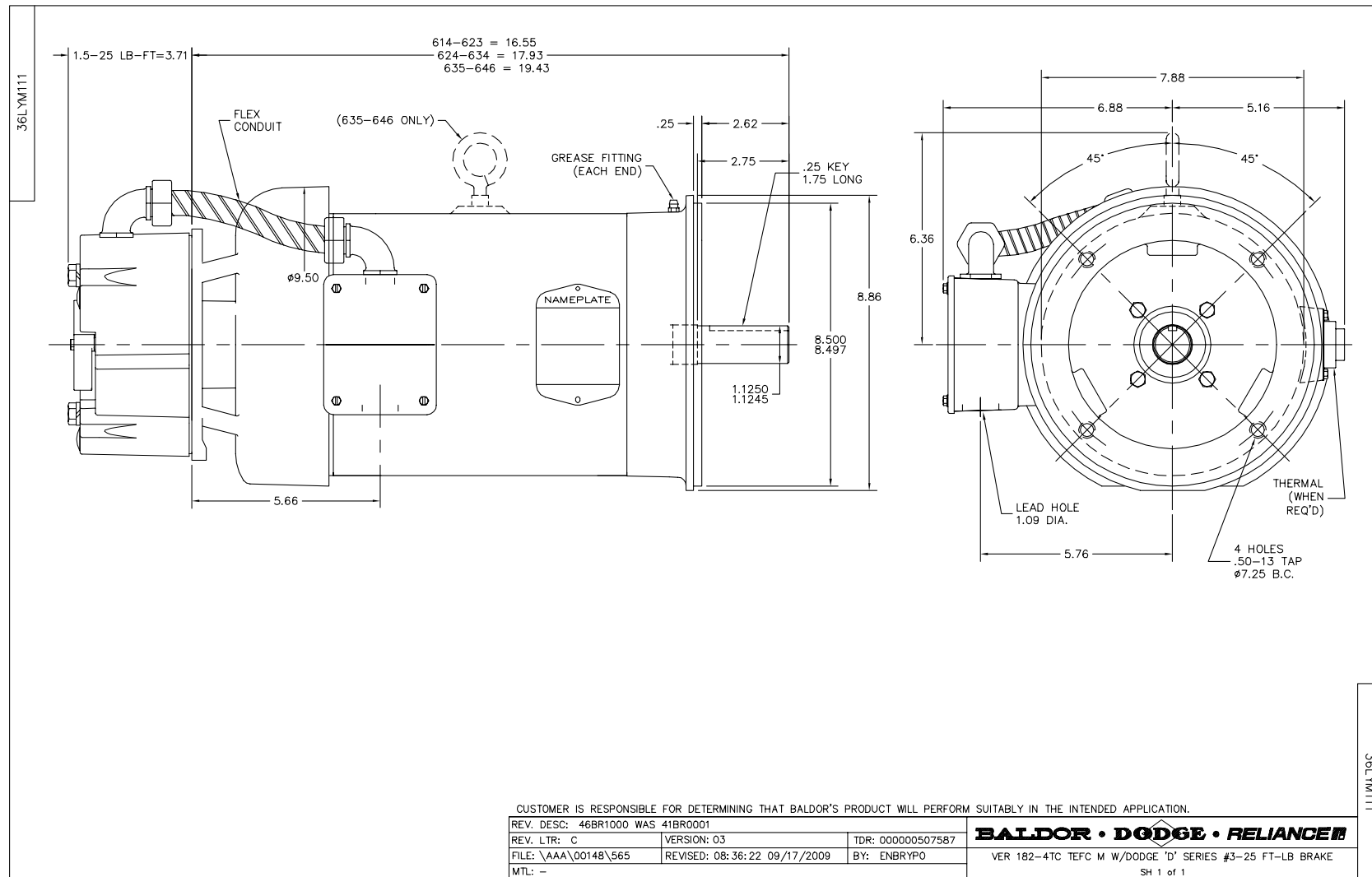
Full Load Torque:	15.0 LB-FT	Start Configuration:	DOL
No-Load Current:	2.6 Amps	Break-Down Torque:	52.0 LB-FT
Line-line Res. @ 25°C.:	4.15 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	30.0 LB-FT
Temp. Rise @ Rated Load:	64 C	Locked-Rotor Torque:	32.0 LB-FT
Temp. Rise @ S.F. Load:	79 C	Starting Current:	38.0 Amps

Load Characteristics

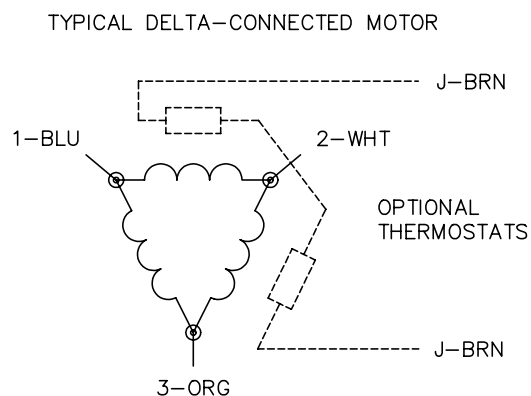
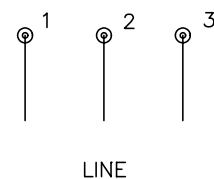
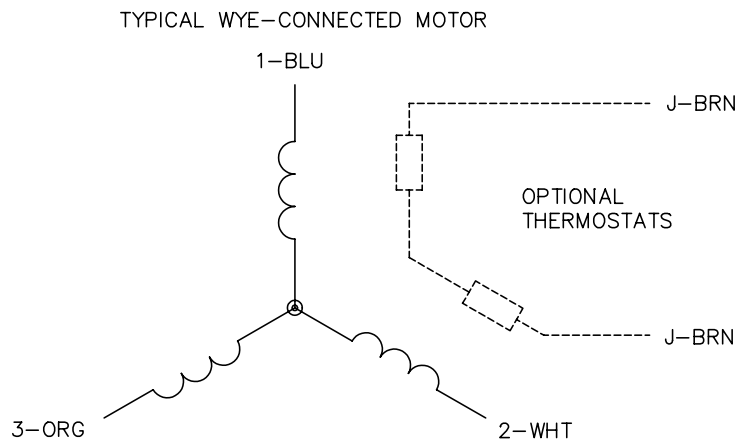
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	38.0	61.0	73.0	81.0	84.0	86.0	83.0
Efficiency:	85.0	89.8	90.5	90.0	88.8	87.3	89.3
Speed:	1786.0	1773.0	1761.0	1747.0	1732.0	1715.0	1738.0
Line Amperes:	2.8	3.4	4.2	5.2	6.1	7.2	5.74

Performance Graph at 575V, 60Hz, 5.0HP Typical performance - Not guaranteed values





CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: D

BY: JLP

REVISED: 01/21/99 4:02

TDR: 0171435

9000D3

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006