

BALDOR® • RELIANCE

Product Information Packet

VEM3665T-5

5HP,1750RPM,3PH,60HZ,184TC,0641M,TEFC,F1

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0642M	Elec. Spec:	06WGX200	CD Diagram:	CD0006
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	06H016	Layout:	06LYH016
Frame:	184TC	Mounting:	F1	Poles:	04	Created Date:	08-04-2010
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	05-05-2016
Leads:	3#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3441L

CAT.NO.	VEM3665T-5											
SPEC.	06H016X200G1											
HP	5											
VOLTS	575											
AMP	5.3											
RPM	1750											
FRAME	184TC					HZ	60			PH	3	
SER.F.	1.15			CODE	J		DES	B		CL	F	
NEMA-NOM-EFF	89.5			PF	79							
RATING	40C AMB-CONT											
CC	010A										USABLE AT 208V	
DE	6206						ODE	6205				
ENCL	TEFC			SN								
VPWM INVERTER READY CT6-60H(10:1)VT3-60H(20:1)												

Parts List		
Part Number	Description	Quantity
SA201041	SA 06H016X200G1	1.000 EA
RA188346	RA 06H016X200G1	1.000 EA
36FN3000C01	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 EA
HW3201A05	3/8-16 EYEBOLT	1.000 EA
06CB3000	BALDOR CONDUIT BOX CAST	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
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
WD1000B17	T&B CX35TN TERMINAL	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
36FE1101A21	FREP ASSEMBLY FOR ROUTING PURPOSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36PE1300A13	PU ENDPLATE, FOR ROUTING PURPOSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	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
HA3101A34	THRUBOLT- 1/4-20 X 10.375	4.000 EA
36FH4009A31	IEC FH W/GREASER & SPL NOTCH, W/ PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
06CB3500	BALDOR CONDUIT BOX LID	1.000 EA
06GS1001	BALDOR CONDUIT BOX GASKET	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
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
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.028 GA
LB1119N	WARNING LABEL	1.000 EA
NP3441L	ALUM SUPER-E VPWM INVERTER READY UL	1.000 EA
LC0006	CONNECTION LABEL	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 32029 - Typical performance - not guaranteed values

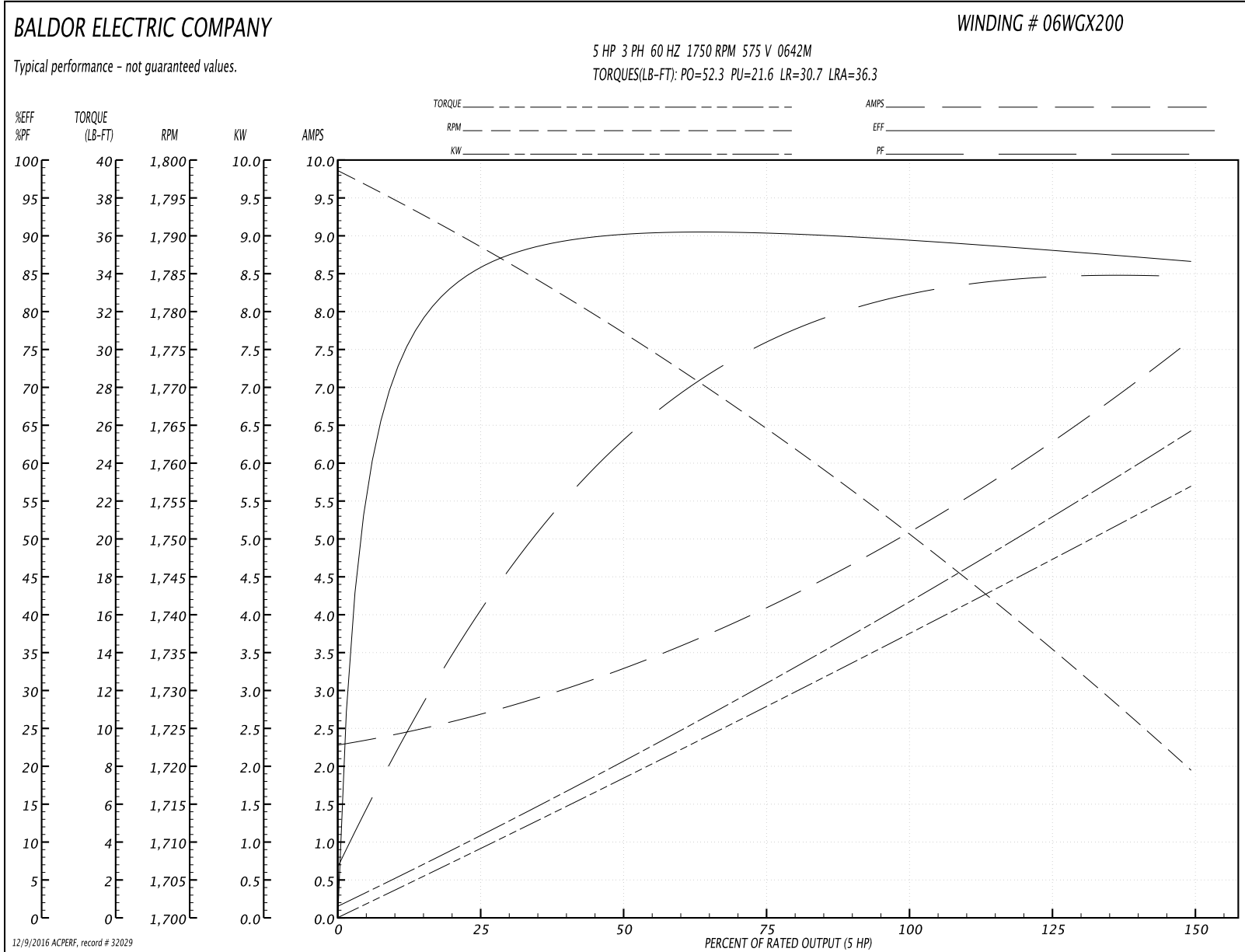
Winding: 06WGX200-R001	Type: 0642M	Enclosure: TEFC
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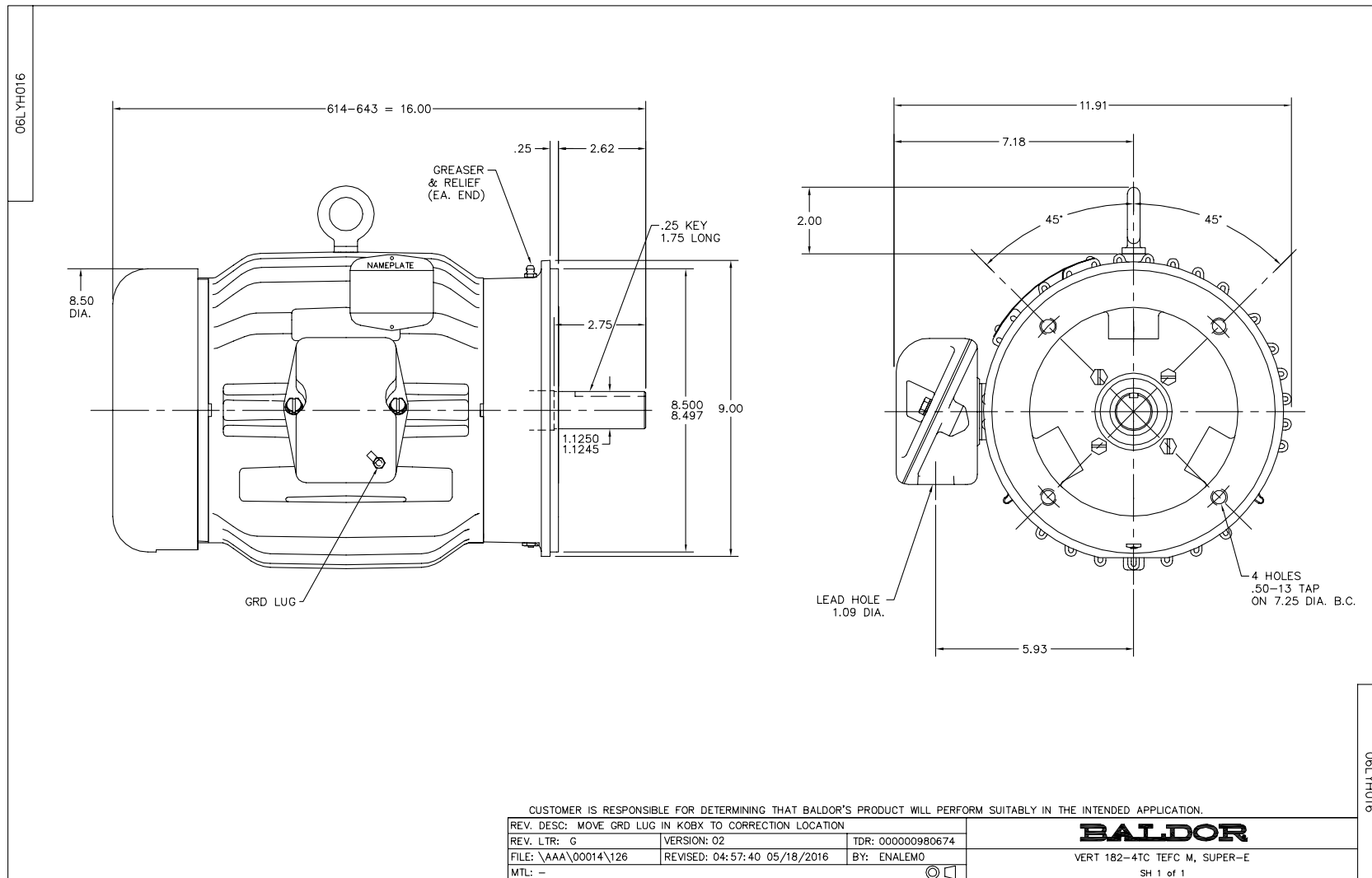
Nameplate Data				575 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	5			Full Load Torque	15.04 LB-FT
Volts	575			Start Configuration	direct on line
Full Load Amps	5.3			Breakdown Torque	52.3 LB-FT
R.P.M.	1750			Pull-up Torque	21.6 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	30.7 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	36.3 A
Service Factor (S.F.)	1.15			No-load Current	2.34 A
NEMA Nom. Eff.	89.5	Power Factor	79	Line-line Res. @ 25°C	4.27 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	54°C
S.F. Amps				Temp. Rise @ S.F. Load	67°C
				Locked-rotor Power Factor	40.6
				Rotor inertia	0.391 LB-FT ²

Load Characteristics 575 V, 60 Hz, 5 HP

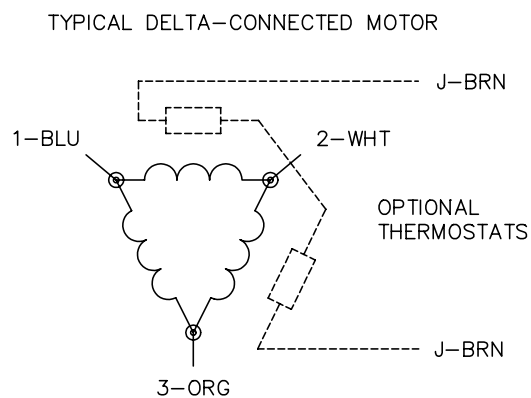
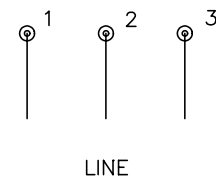
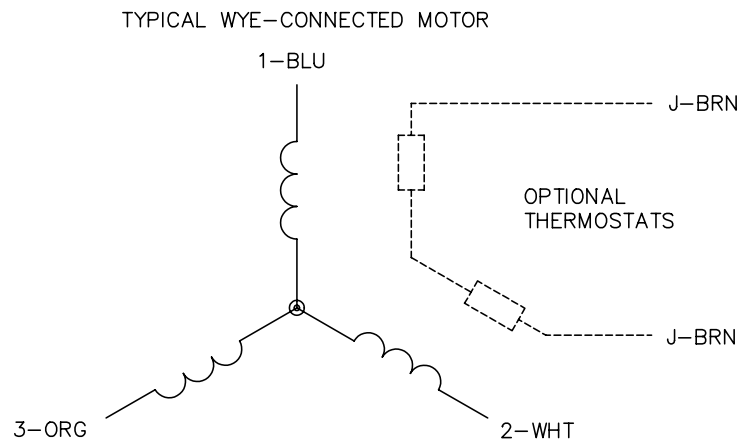
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	42	64	76	81	84	85	81
Efficiency	85.2	89.9	90.2	89.7	88.3	86.5	88.9
Speed	1788	1777	1764	1751	1736	1719	1738
Line amperes	2.61	3.26	4.13	5.14	6.31	7.59	5.97

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

9000D

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

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

CD0006