

BALDOR® • RELIANCE

Product Information Packet

VEM3663T

5HP,3480RPM,3PH,60HZ,184TC,0628M,TEFC,F1

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0628M	Elec. Spec:	06WGX782	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	06C103	Layout:	06LYC103
Frame:	184TC	Mounting:	F1	Poles:	02	Created Date:	05-07-2015
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	08-31-2016
Leads:	9#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3441LUA

CAT.NO.	VEM3663T										
SPEC.	06C103X782G1										
HP	5										
VOLTS	230/460										
AMP	11.6/5.8										
RPM	3480										
FRAME	184TC				HZ	60				PH	3
SER.F.	1.15		CODE	L	DES	A	CL	F			
NEMA-NOM-EFF	88.5			PF	90						
RATING	40C AMB-CONT										
CC	010A			USABLE AT 208V						12.4	
DE	6206			ODE	6205						
ENCL	TEFC		SN								

 VPWM INVERTER READY
 CT6-60H(10:1)VT3-60H(20:1

50Hz 5HP 190/380V 14/7A

SF1.0

Parts List		
Part Number	Description	Quantity
SA301000	SA 06C103X782G1	1.000 EA
RA288069	RA 06C103X782G1	1.000 EA
34FN3002B02	EXTERNAL FAN, PLASTIC, .905/.907 HUB W/	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
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #8 SCREW	1.000 EA
36EP1101A01	FR ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36PE1300A01	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
HA3101A34	THRUBOLT- 1/4-20 X 10.375	4.000 EA
36FH4009A03SP	IEC FH , 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
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	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
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
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
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP3441LUA	ALUM SUPER-E VPWM INV READY UL	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 53080 - Typical performance - not guaranteed values

Winding: 06WGX782-R005	Type: 0628M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	5			Full Load Torque	7.55 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	11.6/5.8			Breakdown Torque	35.8 LB-FT
R.P.M.	3480			Pull-up Torque	23.1 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	27.7 LB-FT
NEMA Design Code	A	KVA Code	L	Starting Current	59.9 A
Service Factor (S.F.)	1.15			No-load Current	2.05 A
NEMA Nom. Eff.	88.5	Power Factor	90	Line-line Res. @ 25°C	2.7676 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	57°C
S.F. Amps				Temp. Rise @ S.F. Load	71°C

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	56	77	87	91	93	94	92
Efficiency	85.8	89.9	90.1	89.3	87.9	86.2	88.5
Speed	3573.6	3546.9	3516.7	3485.2	3451.8	3413.3	3465
Line amperes	2.45	3.35	4.53	5.8	7.17	8.69	6.62

Performance Graph at 460V, 60Hz, 5.0HP Typical performance - Not guaranteed values

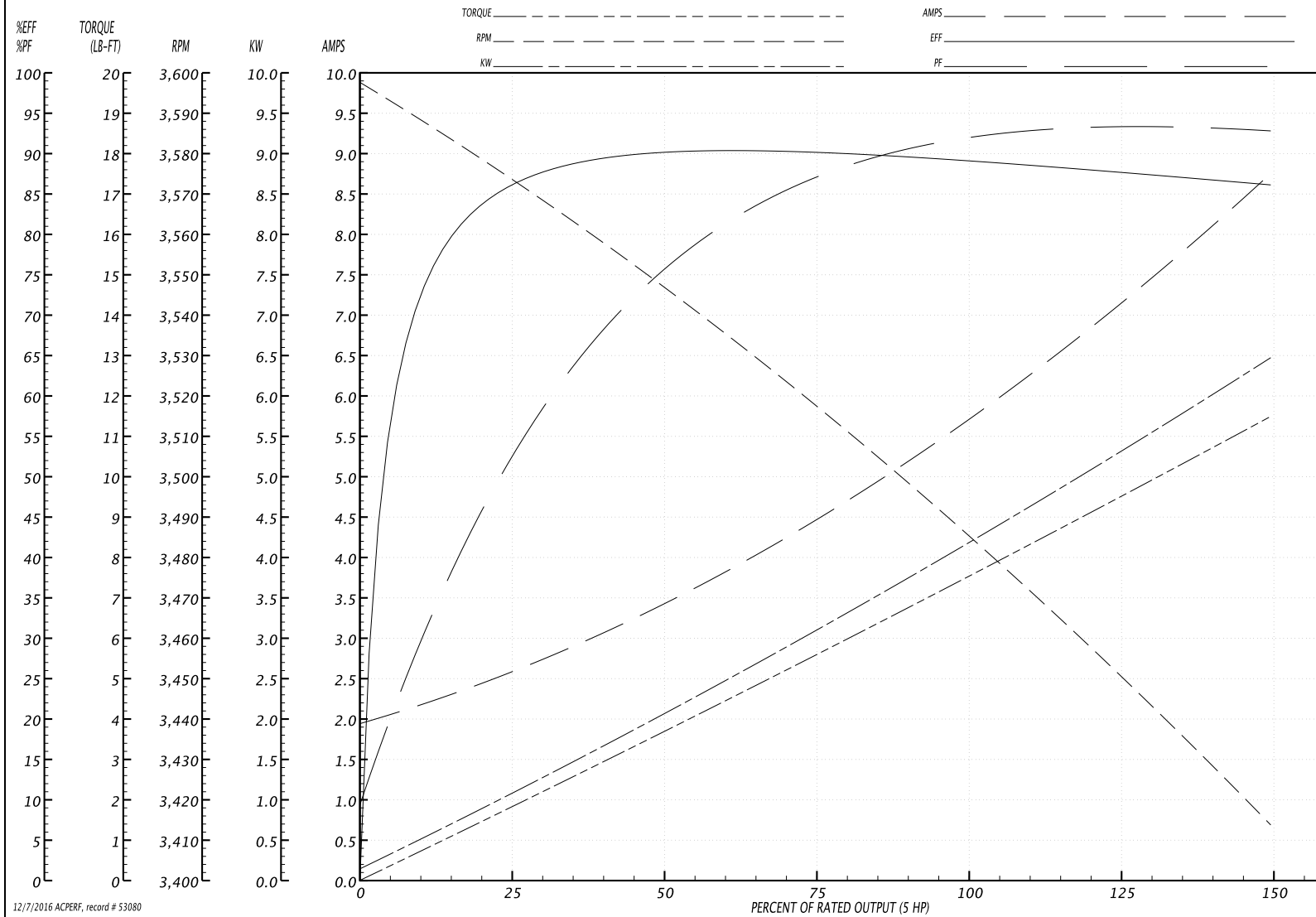
BALDOR ELECTRIC COMPANY

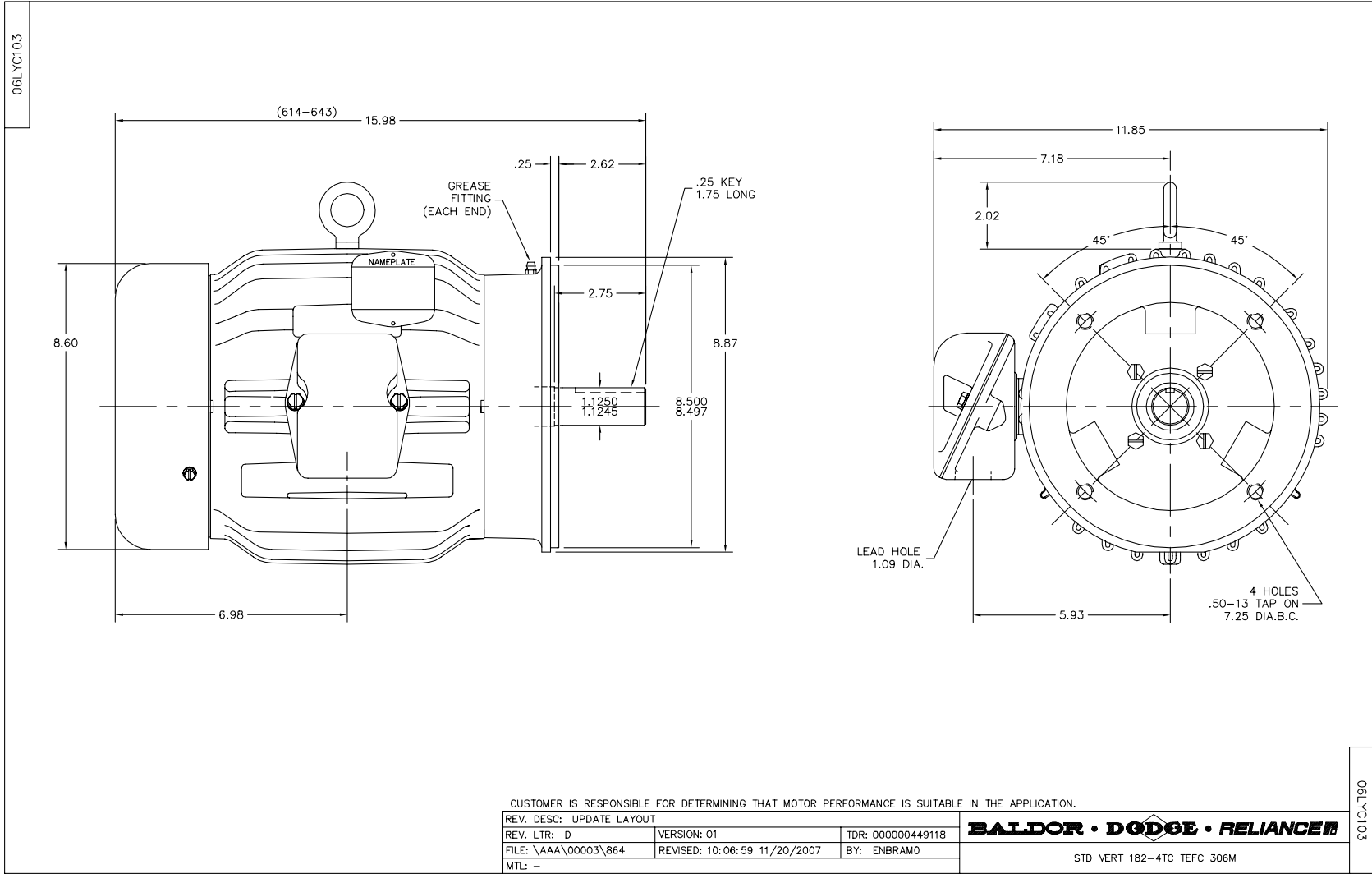
Typical performance - not guaranteed values.

WINDING # 06WGX782

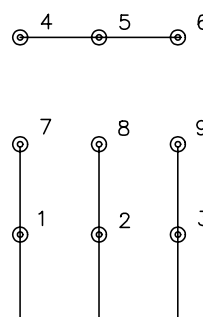
5 HP 3 PH 60 HZ 3480 RPM 460 V 0628M

TORQUES(LB-FT): PO=35.8 PU=23.1 LR=27.7 LRA=59.9

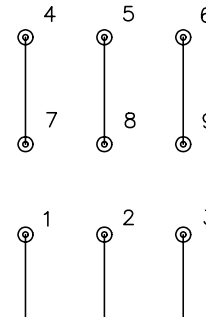




CD0005

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

9000D0

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005