

BALDOR® • RELIANCE

Product Information Packet

EM3665T

5HP,1750RPM,3PH,60HZ,184T,0643M,TEFC,F1

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0641M	Elec. Spec:	06WGX182	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	06H294	Layout:	06LYH294
Frame:	184T	Mounting:	F1	Poles:	04	Created Date:	08-04-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-16-2015
Leads:	9#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3441LUA									
CAT.NO.	EM3665T								
SPEC.	06H294X182G1								
HP	5								
VOLTS	230/460								
AMP	13.2/6.6								
RPM	1750								
FRAME	184T	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	14						
DE	6206	ODE	6205						
ENCL	TEFC	SN							
VPWM INVERTER READY									
CT6-60H(10:1)VT3-60H(20:1									
	50Hz 5HP 190/380V 15.8/7.9A		SF1.0						

AC Induction Motor Performance Data

Record # 34381 - Typical performance - not guaranteed values

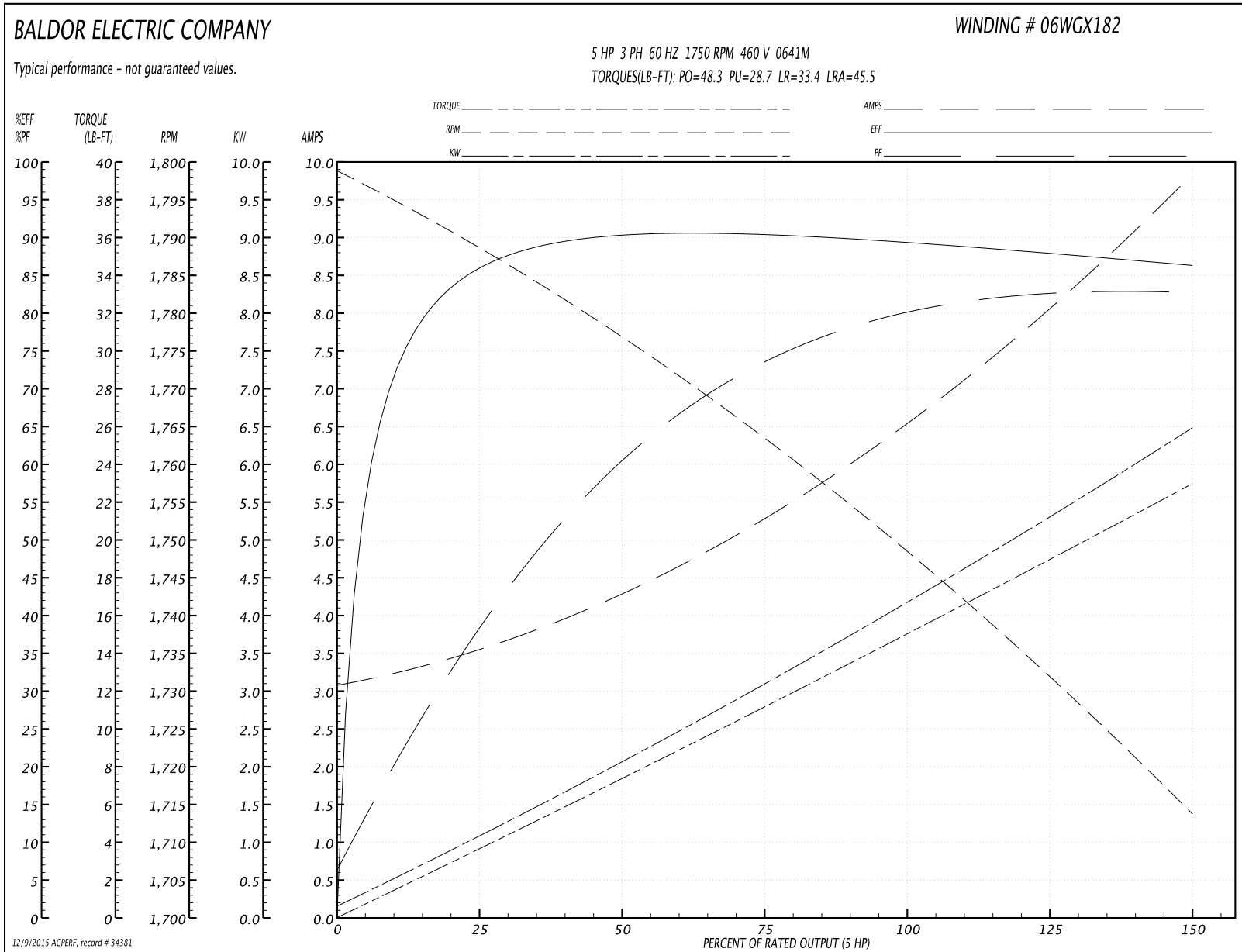
Winding: 06WGX182-R004	Type: 0641M	Enclosure: TEFC
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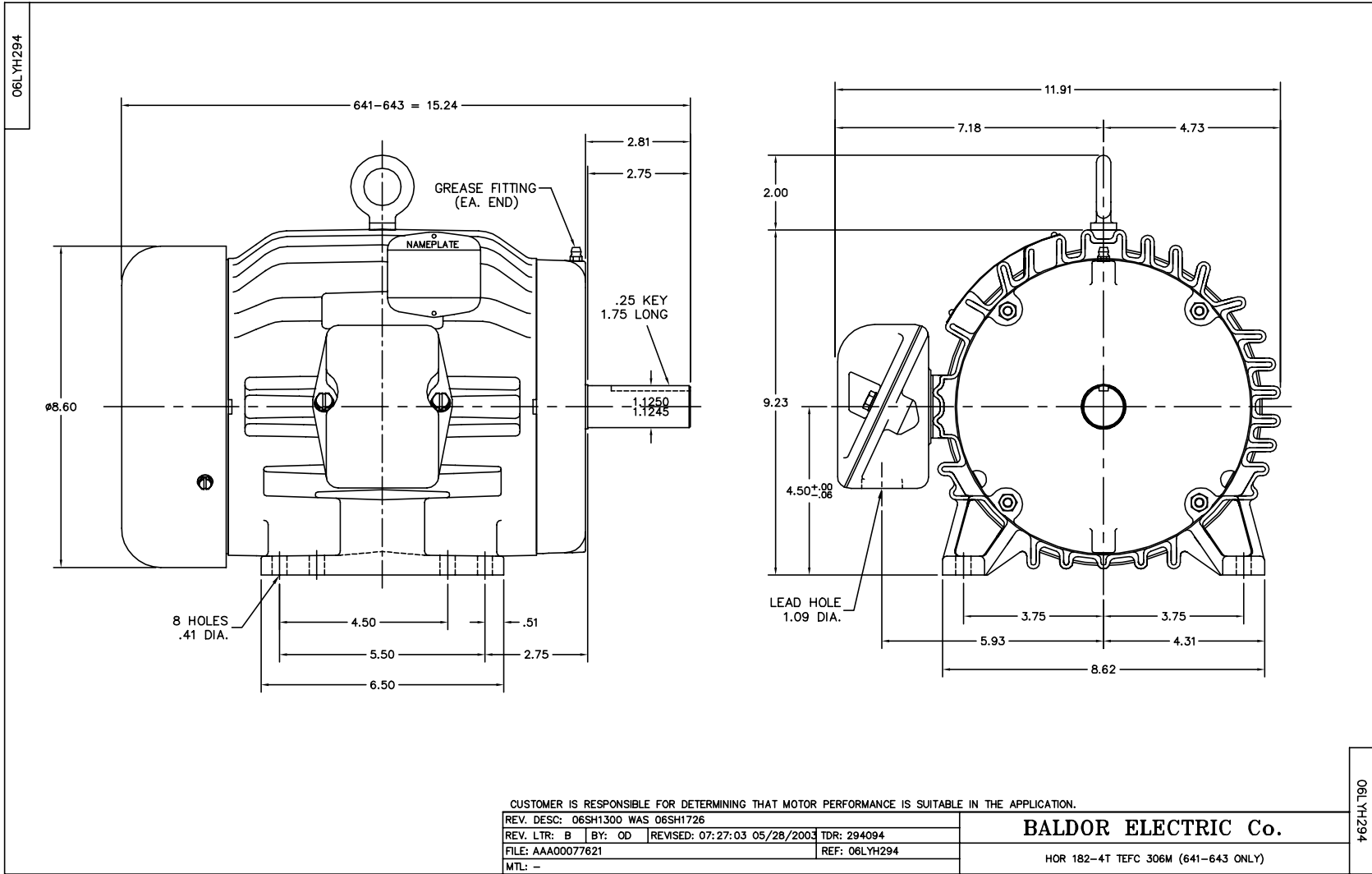
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	5			Full Load Torque	15.06 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	13.2/6			Breakdown Torque	48.3 LB-FT
R.P.M.	1750			Pull-up Torque	28.7 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	33.4 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	45.5 A
Service Factor (S.F.)	1.15			No-load Current	3.15 A
NEMA Nom. Eff.	89.5	Power Factor	79	Line-line Res. @ 25°C	2.48 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	52°C
S.F. Amps				Temp. Rise @ S.F. Load	65°C
				Rotor inertia	0.382 LB-FT ²

Load Characteristics 460 V, 60 Hz, 5 HP

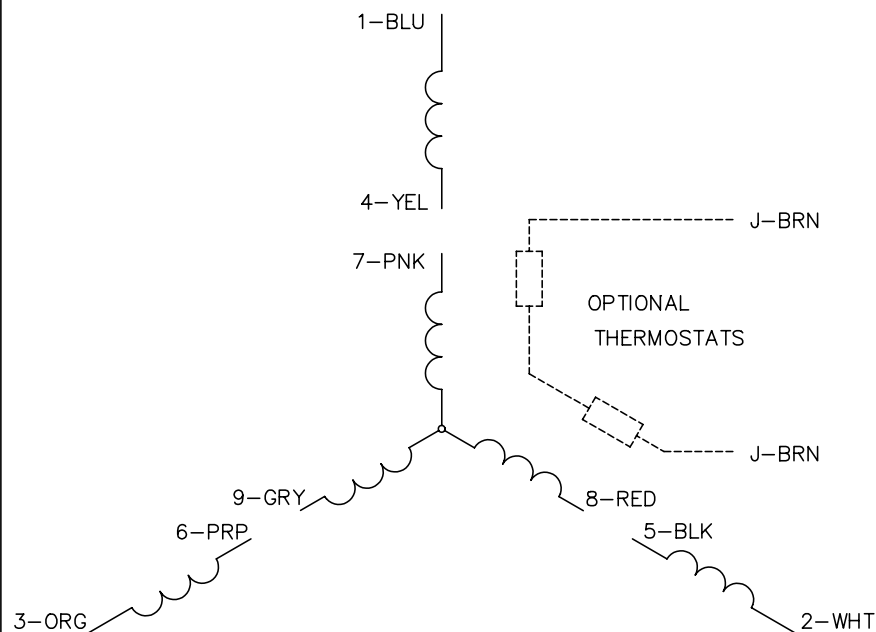
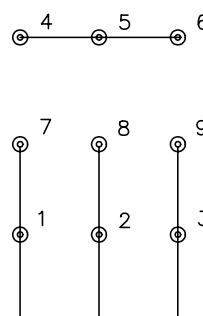
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	41	63	73	79	82	83	81
Efficiency	85.5	89.8	90.3	89.5	88.1	86.3	88.7
Speed	1787.9	1775.8	1763	1748.8	1732.3	1713.2	1739
Line amperes	3.48	4.26	5.34	6.63	8.11	9.79	7.52

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

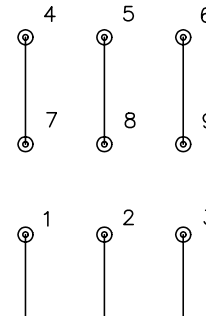




CD0005


 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

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005