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Product Information Packet

VEM3584T

1.5HP,1765RPM,3PH,60HZ,145TC,0526M,TEFC

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Part Detail							
Revision:	E	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Prod. Type:**	0526M	**Elec. Spec:**	05WGX163	**CD Diagram:**	CD0005
Enclosure:	TEFC	**Mfg Plant:**		**Mech. Spec:**	05C053	**Layout:**	05LYC053
Frame:	145TC	**Mounting:**	F1	**Poles:**	04	**Created Date:**	06-01-2011
Base:	N	**Rotation:**	R	**Insulation:**	F	**Eff. Date:**	10-16-2015
Leads:	9#18					**Replaced By:**	
Literature:		**Elec. Diagram:**					

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Nameplate NP3441LUA

CAT.NO.	VEM3584T								
SPEC.	05C053X163G1								
HP	1.5								
VOLTS	230/460								
AMP	4.6/2.3								
RPM	1765								
FRAME	145TC	**HZ**	60			**PH**	3		
SER.F.	1.15	**CODE**	M	**DES**	B	**CL**	F		
NEMA-NOM-EFF	86.5	**PF**	71						
RATING	40C AMB-CONT								
CC	010A	**USABLE AT 208V**	4.6						
DE	6205	**ODE**	6203						
ENCL	TEFC	**SN**							
VPWM INVERTER READY									
CT6-60H(10:1)VT3-60H(20:1									
	50Hz 1.5HP 190/380V 5.2/2.6A								SF1.0

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AC Induction Motor Performance Data

Record # 53061 - Typical performance - not guaranteed values

Winding: 05WGX163-R014	**Type:** 0526M	**Enclosure:** TEFC

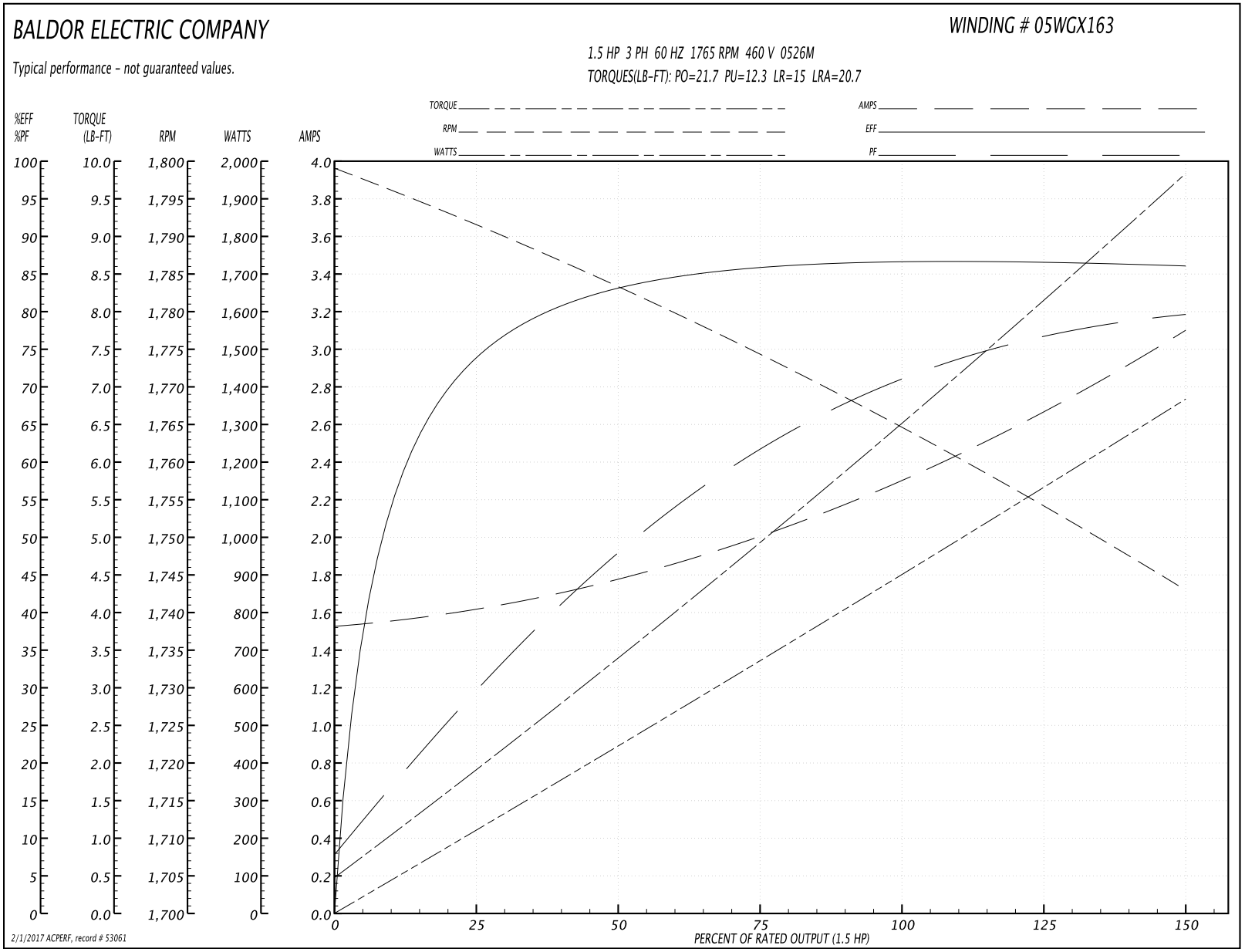
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	4.54 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	4.6/2.3			Breakdown Torque	21.7 LB-FT
R.P.M.	1765			Pull-up Torque	12.3 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	15 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	20.7 A
Service Factor (S.F.)	1.15			No-load Current	1.54 A
NEMA Nom. Eff.	86.5	Power Factor	71	Line-line Res. @ 25ºC	9.0571 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	34°C
S.F. Amps				Temp. Rise @ S.F. Load	40°C

Load Characteristics 460 V, 60 Hz, 1.5 HP

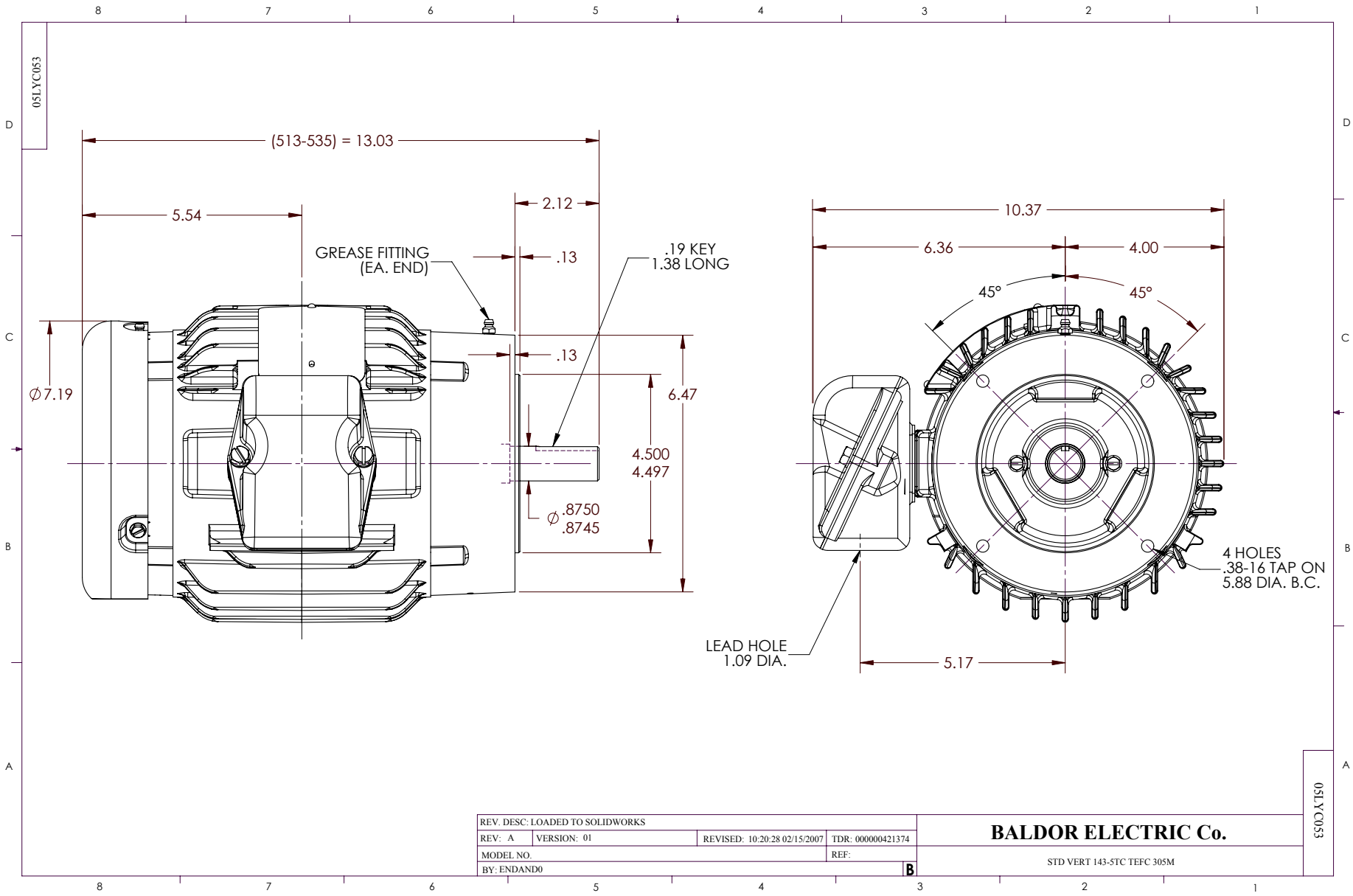
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	31	49	62	71	77	80	75
Efficiency	75.4	83.8	86.4	87	86.9	86.1	86.9
Speed	1791.5	1782.7	1774	1764.1	1753.9	1743	1758
Line amperes	1.61	1.77	2.03	2.32	2.69	3.09	2.54

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Performance Graph at 460V, 60Hz, 1.5HP Typical performance - Not guaranteed values

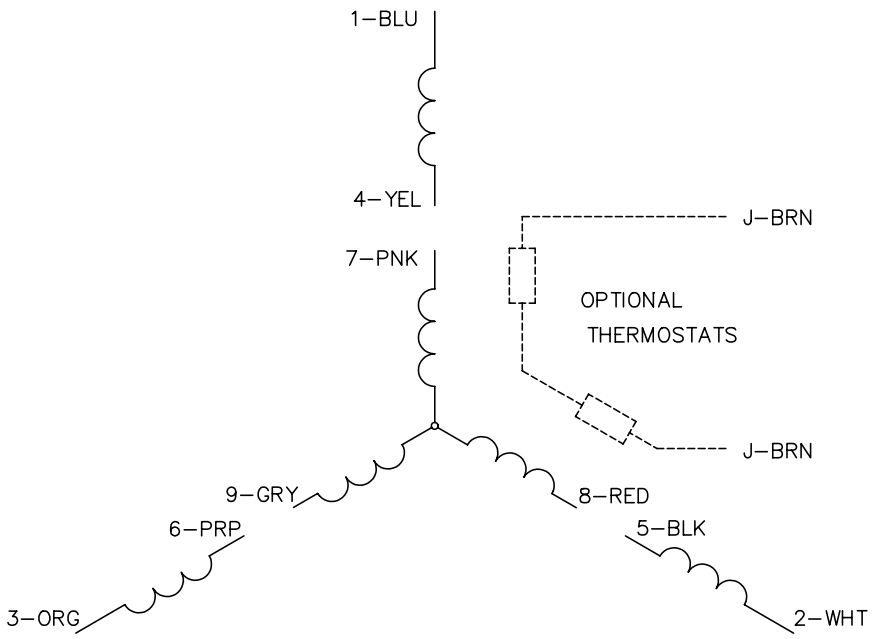


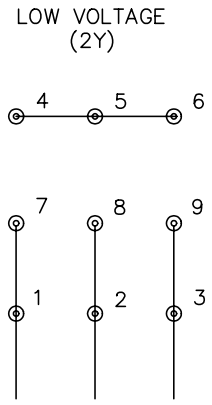
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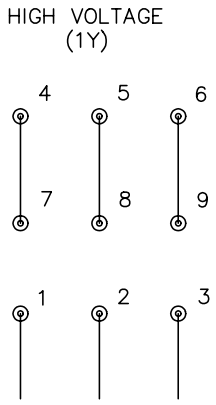


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CD0005







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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS

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