

BALDOR® • RELIANCE

Product Information Packet

VENM3546T

1HP,1745RPM,3PH,60HZ,143TC,3524M,TENV,F1

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3524M	Elec. Spec:	35WGP560	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	35E016	Layout:	35LYE016
Frame:	143TC	Mounting:	F1	Poles:	04	Created Date:	08-05-2010
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	01-12-2017
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3441LUA

CAT.NO.	VENM3546T										
SPEC.	35E016P560G1										
HP	1										
VOLTS	230/460										
AMP	2.9/1.45										
RPM	1745										
FRAME	143TC				HZ		60		PH		3
SER.F.	1.15		CODE		M	DES		B	CL		F
NEMA-NOM-EFF	85.5		PF		76						
RATING	40C AMB-CONT										
CC	010A		USABLE AT 208V								
DE	6205				ODE		6203				
ENCL	TENV		SN								

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

50Hz 1HP 190/380V 3.4/1.7A

SF1.0

AC Induction Motor Performance Data

Record # 53346 - Typical performance - not guaranteed values

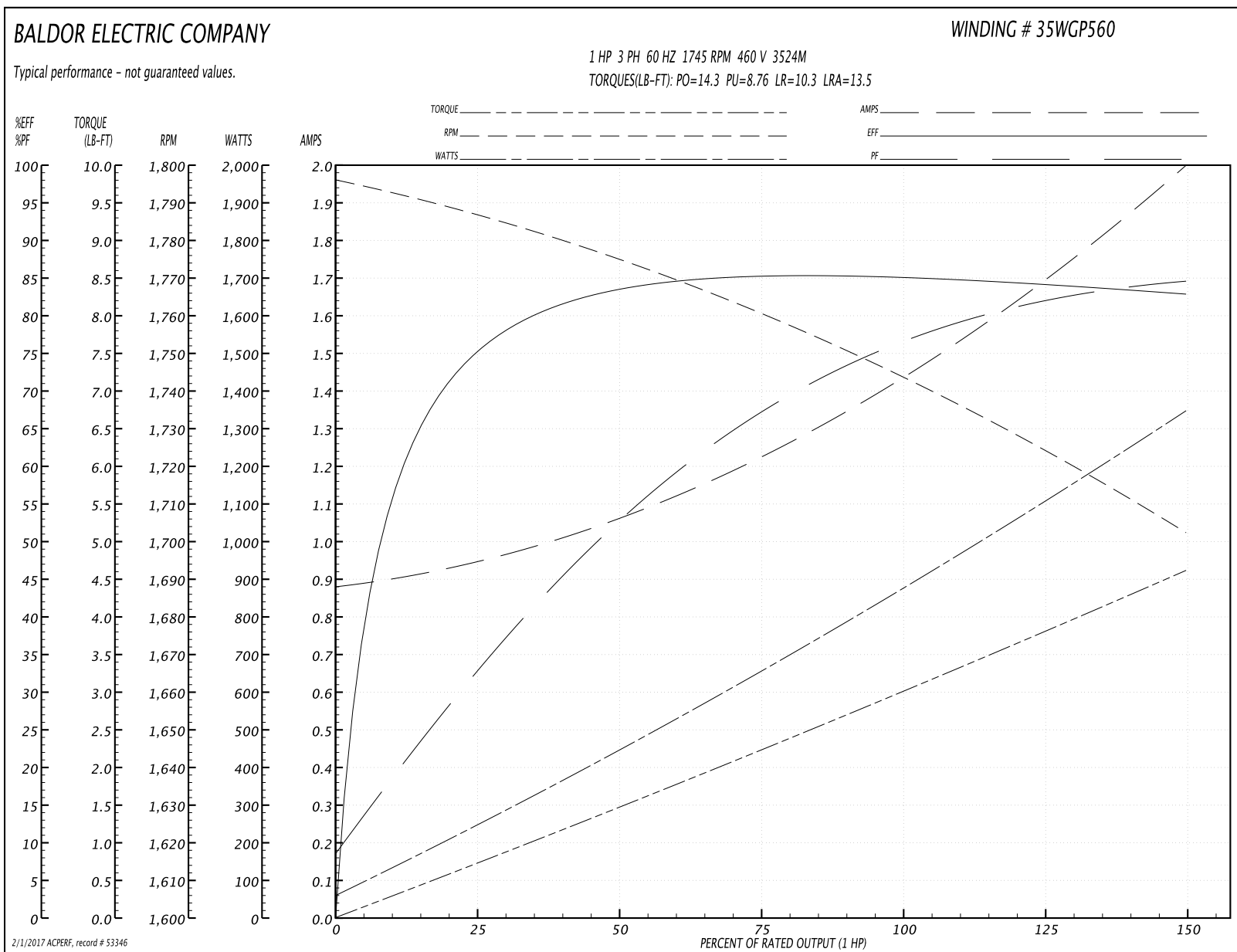
Winding: 35WGP560-R021	Type: 3524M	Enclosure: TENV
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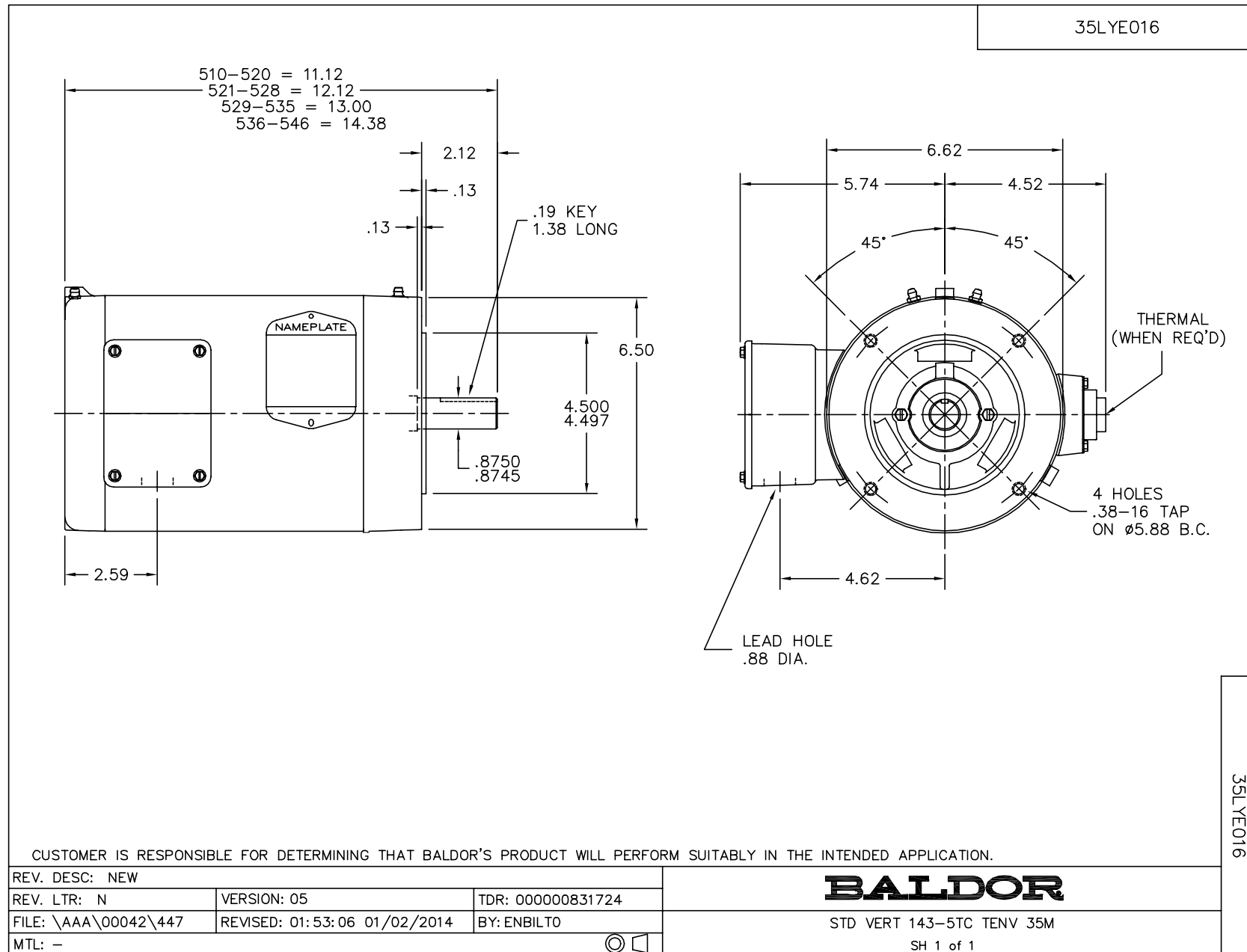
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1			Full Load Torque	3.02 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	2.9/1.45			Breakdown Torque	14.3 LB-FT
R.P.M.	1745			Pull-up Torque	8.76 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	10.3 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	13.5 A
Service Factor (S.F.)	1.15			No-load Current	0.89 A
NEMA Nom. Eff.	85.5	Power Factor	76	Line-line Res. @ 25°C	15.922 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	85°C
S.F. Amps				Temp. Rise @ S.F. Load	101°C
				Locked-rotor Power Factor	61
				Rotor inertia	0.142 LB-FT ²

Load Characteristics 460 V, 60 Hz, 1 HP

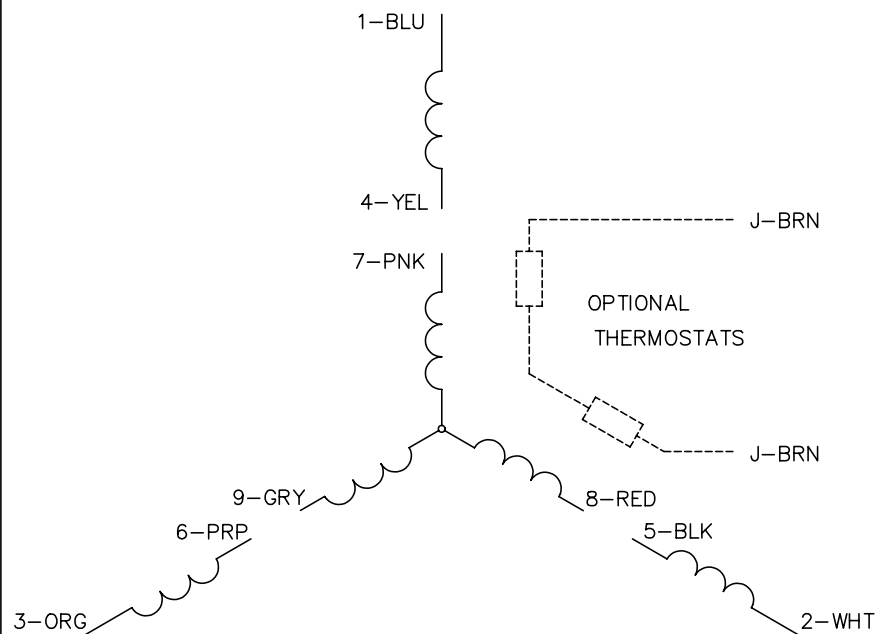
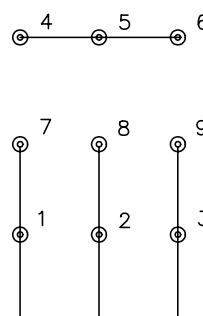
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	53	67	76	81	85	79
Efficiency	74.6	83.4	85.4	85.5	84.7	82.6	85
Speed	1783.9	1773.9	1759.9	1743.9	1730.8	1698.3	1736
Line amperes	0.935	1.05	1.22	1.45	1.7	1.99	1.6

Performance Graph at 460V, 60Hz, 1.0HP Typical performance - Not guaranteed values

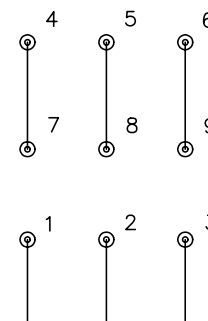




CD0005

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