

BALDOR® • RELIANCE

Product Information Packet

VM3610

3HP,3450RPM,3PH,60HZ,184C,3528M,TEFC,F1

Part Detail							
Revision:	C	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGL051	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35H324	Layout:	35LYH324	Poles:	02	Created Date:	11-25-2014
Base:	N	Eff. Date:	03-08-2016	Leads:	9#18		

Specs			
Catalog Number:	VM3610	Inverter Code:	Not Inverter
Enclosure:	TEFC	KVA Code:	K
Frame:	184C	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	3.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Termination:	None
	460.0 V @ 60 HZ	Motor Type:	3528M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	89
	CSA	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	C-Face
Base Indicator:	N	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	RoHS Status:	ROHS COMPLIANT
Current @ Voltage:	3.800 A @ 460.0 V	Shaft Extension Location:	Pulley End
	7.600 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding

	8.000 A @ 208.0 V	Shaft Rotation:	Reversible
Design Code:	B	Shaft Slinger Indicator:	No Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None
Front Face Code:	Standard	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
Insulation Class:	F	Winding Thermal 2:	None

Nameplate NP1256L

CAT.NO.														
SPEC.	35H324L051H1													
HP	3													
VOLTS	230/460													
AMP	7.6/3.8													
RPM	3450													
FRAME	184C				HZ		60			PH	3			
SER.F.	1.15			CODE		K	DES		B	CLASS		F		
NEMA-NOM-EFF	85.5			PF		89								
RATING	40C AMB-CONT													
CC	010A			USABLE AT 208V									8	
DE	6205			ODE		6203								
ENCL	TEFC			SN										

AC Induction Motor Performance Data

Record # 47376 - Typical performance - not guaranteed values

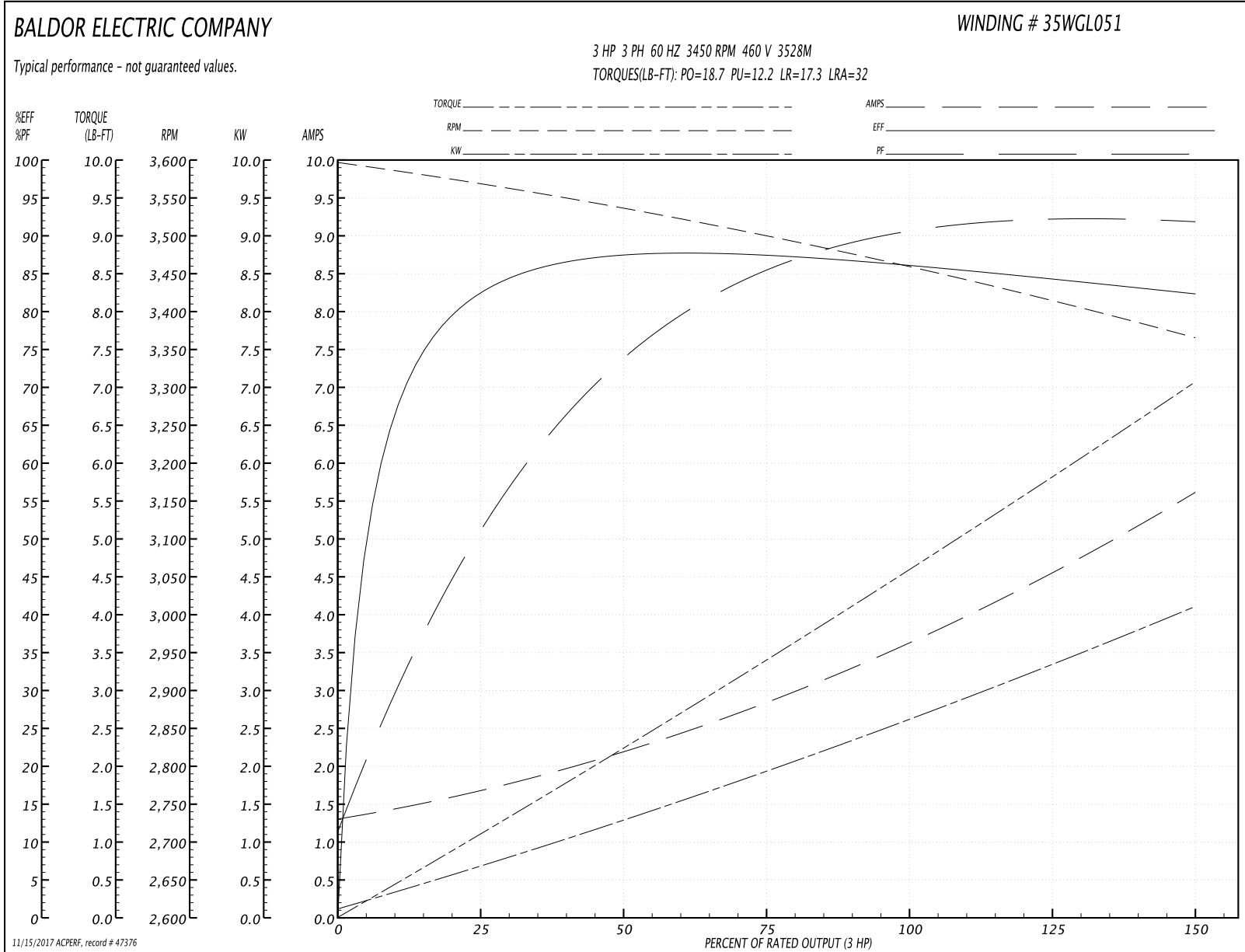
Winding: 35WGL051-R001	Type: 3528M	Enclosure: TEFC
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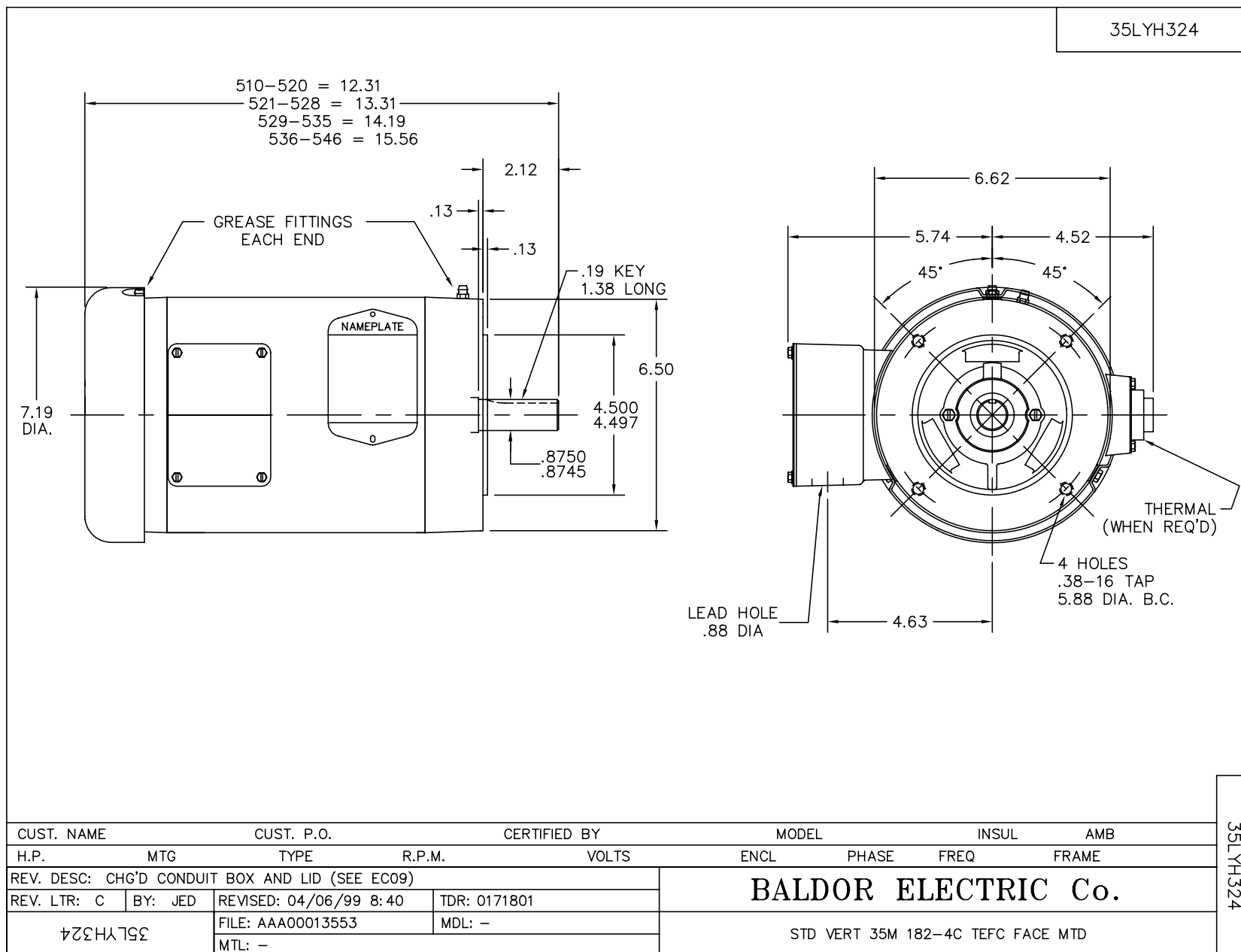
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	3			Full Load Torque	4.65 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	7.6/3.8			Breakdown Torque	18.7 LB-FT
R.P.M.	3450			Pull-up Torque	12.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	17.3 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	32 A
Service Factor (S.F.)	1.15			No-load Current	1.36 A
NEMA Nom. Eff.	85.5	Power Factor	89	Line-line Res. @ 25°C	4.7021 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	65°C
S.F. Amps				Temp. Rise @ S.F. Load	81°C

Load Characteristics 460 V, 60 Hz, 3 HP

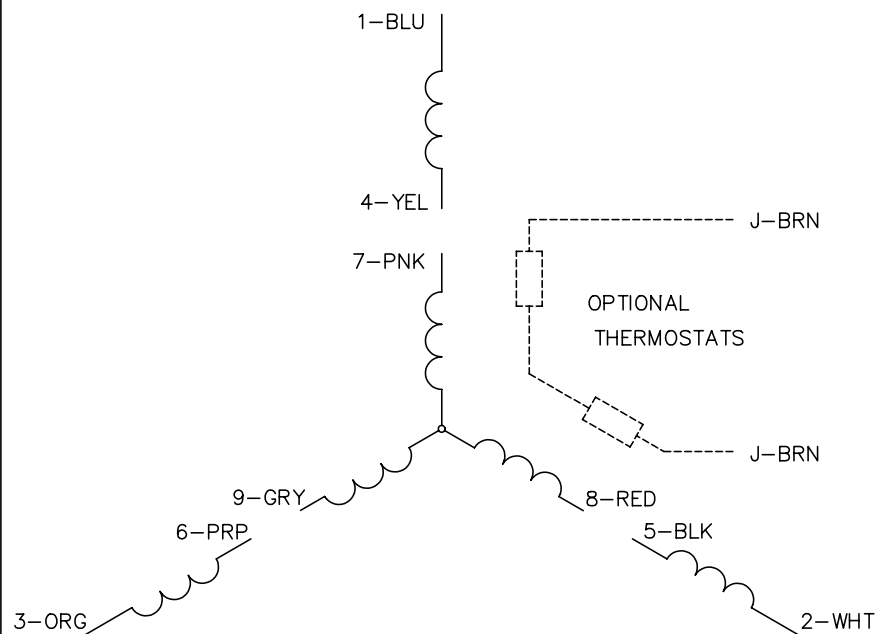
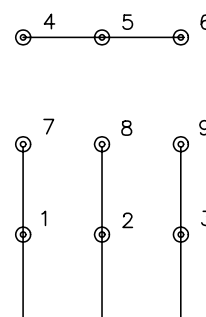
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	55	76	85	89	92	93	91
Efficiency	82.1	87	87.4	86.2	84.6	82.2	85.2
Speed	3566.3	3535	3499.4	3457.2	3415.1	3364.7	3432
Line amperes	1.63	2.16	2.88	3.74	4.57	5.58	4.24

Performance Graph at 460V, 60Hz, 3.0HP Typical performance - Not guaranteed values

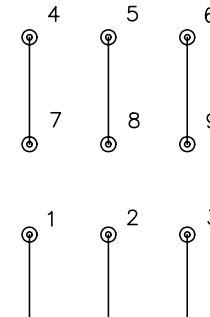




CD0005

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