

BALDOR® • RELIANCE 

Product Information Packet

VEBNM3554-D

1.5HP, 1755RPM, 3PH, 60HZ, 56C, 3534M, TENV, F3

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGM613	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35X058	Layout:	35LYX058	Poles:	04	Created Date:	07-28-2015
Base:	N	Eff. Date:	06-29-2018	Leads:	9#18		

Specs			
Catalog Number:	VEBNM3554-D	Insulation Class:	F
Enclosure:	TENV	Inverter Code:	Inverter Ready
Frame:	56C	KVA Code:	K
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	1.500 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3534M
XP Division:	Not Applicable	Mounting Arrangement:	F3
Agency Approvals:	UR	Power Factor:	76
	CSA EEV	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	No Mounting	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT
Blower:	None	Shaft Extension Location:	Pulley End

Current @ Voltage:	2.100 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding
	4.200 A @ 230.0 V	Shaft Rotation:	Reversible
	4.400 A @ 208.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	B	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	None
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Brake Mounting	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
Heater Indicator:	No Heater	Winding Thermal 2:	None

Nameplate NP1259L										
CAT.NO.	VEBNM3554-D									
SPEC.	35X058M613G1									
HP	1.5									
VOLTS	230/460									
AMP	4.2/2.1									
RPM	1755									
FRAME	56C				HZ	60			PH	3
SER.F.	1.15			CODE	K	DES	B		CL	F
NEMA-NOM-EFF	86.5			PF	76					
RATING	40C AMB-CONT									
CC	010A				USABLE AT 208V			4.4		
DE	6205				ODE	6203				
ENCL	TENV			SN						

Parts List		
Part Number	Description	Quantity
SA304901	SA 35X058M613G1	1.000 EA
RA292078	RA 35X058M613G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB4007	KOBX,W/PRIMER (REL# 79097-49-C)	1.000 EA
35GS3009	GASKET, KOBX 35CB4006 (411881-15A)	1.000 EA
WD4101A13	STEEL CAPLUG,BP-1 1/8, PLUG D3561S	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 EA
35EP3900T25	FR EP FACE MNT ENCL FOR BRAKE	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3307F00	MASTER DE,205 BRG,.998SH,#26 DRN	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
10XN3816K64	3/8-16X4 HX HD CAP SCREW, GRADE 5	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
BR2006B01	DBSC SPLINED HUB 5/8 BOR	1.000 EA
35CB4519	CB LID RAW & UNPRIMED, REL# 79097-50-B	1.000 EA
35GS3020	NEOPRENE GASKET, KOBX LID (602018-31)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
WD4006A01	WIRE JOINT,T&B RB-4 OR RB-44	1.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1419	CONNECTION LABEL	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025N19	MUNSELL 8.5BG 3.57/2.0, GLOSS 30, B/G,	0.017 GA
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
46BK0304B01	DBSC-VP-10-MA-230/460 VAC	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1259L	ALUM SUPER-E UL CSA-EEV CC NEMA PREMIUM	1.000 EA
G7PA1000	PKG GRP, PRINT PK1034A06	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA
PE-0000001	ZRTG PE ASSEMBLY	1.000 EA

AC Induction Motor Performance Data

Record # 52498 - Typical performance - not guaranteed values

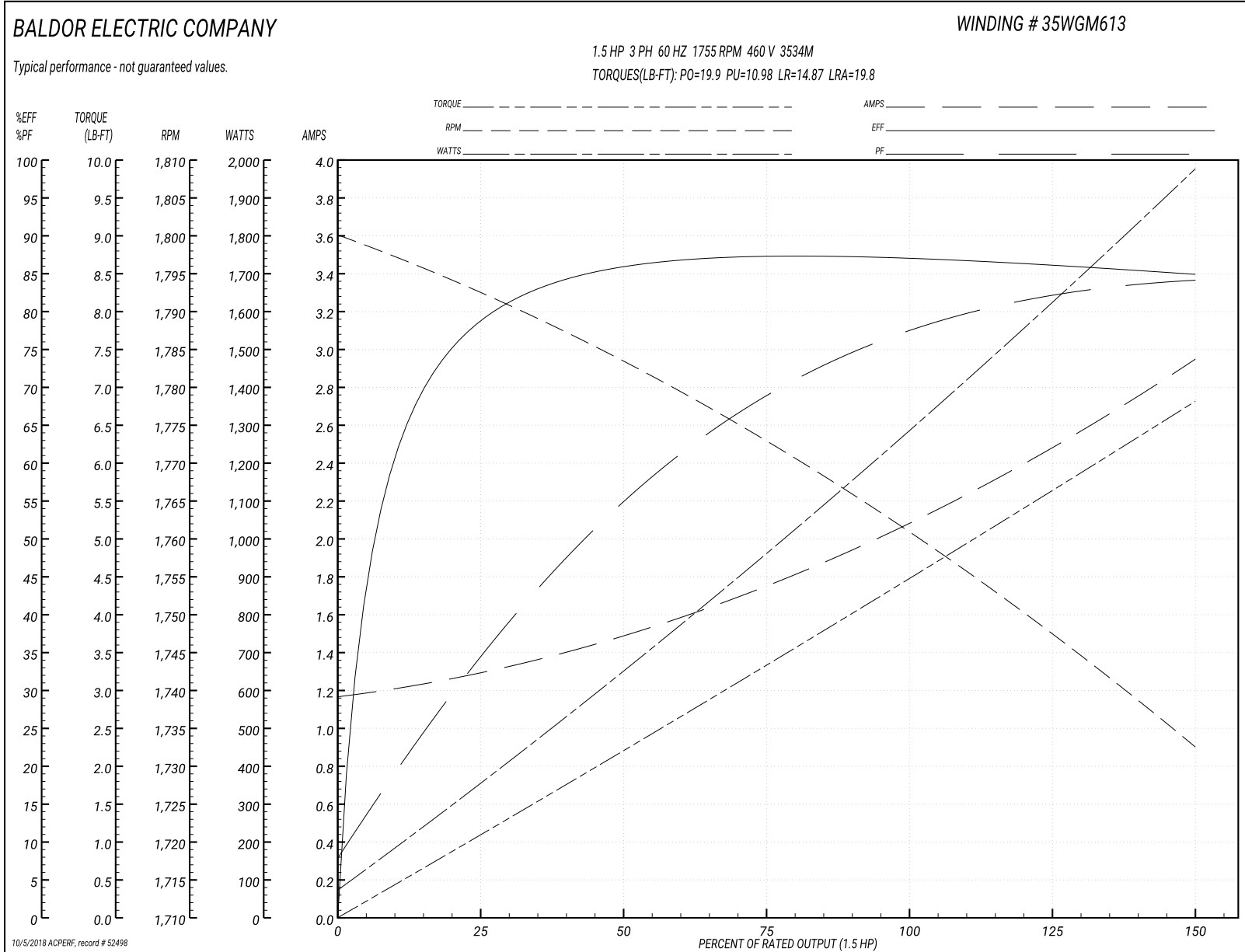
Winding: 35WGM613-R012	Type: 3534M	Enclosure: TENV
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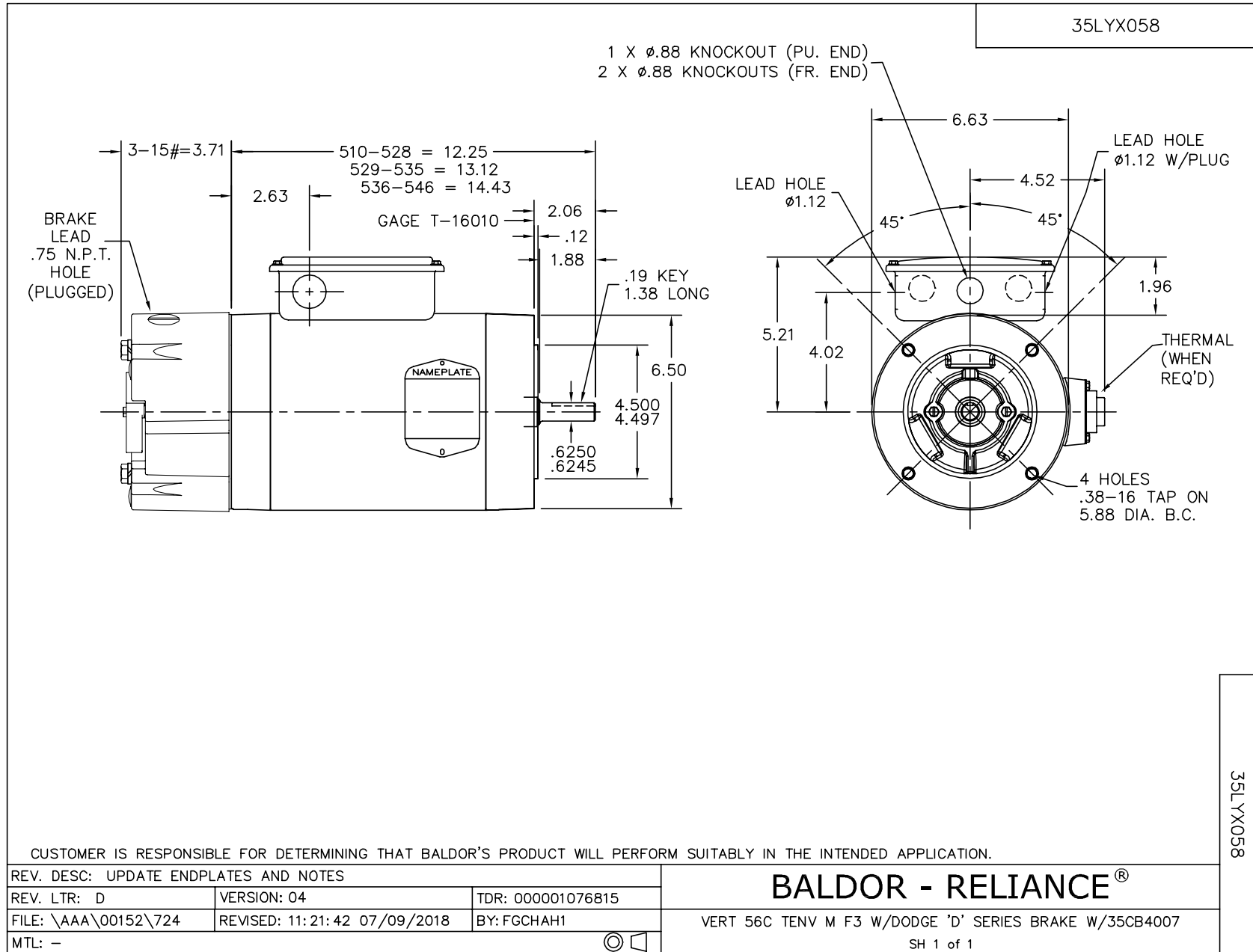
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	4.49 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	4.2/2.1			Breakdown Torque	19.9 LB-FT
R.P.M.	1755			Pull-up Torque	10.98 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	14.87 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	19.8 A
Service Factor (S.F.)	1.15			No-load Current	1.18 A
NEMA Nom. Eff.	86.5	Power Factor	76	Line-line Res. @ 25°C	8.98 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	88°C
S.F. Amps				Temp. Rise @ S.F. Load	104°C
				Locked-rotor Power Factor	48.1
				Rotor inertia	0.201 LB-FT ²

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	36	56	69	77	82	85	79
Efficiency	78.6	85.5	87.4	87.1	86.3	84.8	88.5
Speed	1794	1784	1772	1760	1747	1733	1757
Line amperes	1.28	1.48	1.76	2.1	2.5	2.94	2.3

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





CD0005

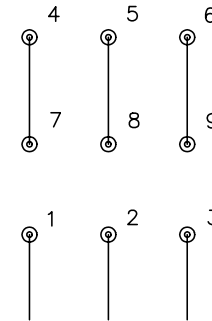


LOW VOLTAGE
(2Y)



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
90000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005