

BALDOR® • RELIANCE

Product Information Packet

VEJMM3157T

2HP,1750RPM,3PH,60HZ,145JM,3525M,ODP,F1

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3524M	Elec. Spec:	35WGM496	CD Diagram:	CD0005
Enclosure:	ODTF	Mfg Plant:		Mech. Spec:	35EE422	Layout:	35LYEE422
Frame:	145JM	Mounting:	F1	Poles:	04	Created Date:	11-24-2010
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	07-29-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1259L										
CAT.NO.	VEJMM3157T									
SPEC.	35EE422M496G1									
HP	2									
VOLTS	230/460									
AMP	5.8/2.9									
RPM	1750									
FRAME	145JM				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			5.8		
DE	6206				ODE	6203				
ENCL	ODTF		SN							

Parts List		
Part Number	Description	Quantity
SA212569	SA 35EE422M496G1	1.000 EA
RA199798	RA 35EE422M496G1	1.000 EA
S/P107-000-001	SUPER E PROC'S-FS, WS & CK PLTS	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3009	35 CB W/1.09 DIA. LEAD HOLE @ 6:	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	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
35FE3201A02	FR ENDPLATE - ASSEMBLY FOR ROUTING	1.000 EA
HA1100A03	SCREEN, RODENT	1.000 EA
51XT1032A04	10-32X1/4 HX WA SL SR TYT (F/S)	4.000 EA
HW1000A10	#10 FLAT WASHER (SAE)	4.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3401A05	B/OPEN FACE MTD. ENDPLATE 35 FRAME 206 B	1.000 EA
35AD2001	AIR BAFFLE	1.000 EA
15XF0632A06	6-32 X 3/8 PHILL PAN HD TYPE F	4.000 EA
HA1102A08	RODENT SCREEN 35 OPEN FACE MTD	1.000 EA
51XT1032A04	10-32X1/4 HX WA SL SR TYT (F/S)	4.000 EA
HW1000A10	#10 FLAT WASHER (SAE)	4.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
51XN1032A16	10-32 X 1.000 HX WS SL SR	2.000 EA
35FH4006A04	DRIP COVER SPECIAL, W/ PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA

Parts List (continued)		
Part Number	Description	Quantity
35CB4521	35 LIPPED CB LID (GALV & PHOSPH)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HA1005A02	SLINGER, OD 2.00, ID 1.14, 206 BRG,	1.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
35FN3002A05	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.017 GA
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1259L	ALUM SUPER-E UL CSA-EEV CC NEMA PREMIUM	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 33882 - Typical performance - not guaranteed values

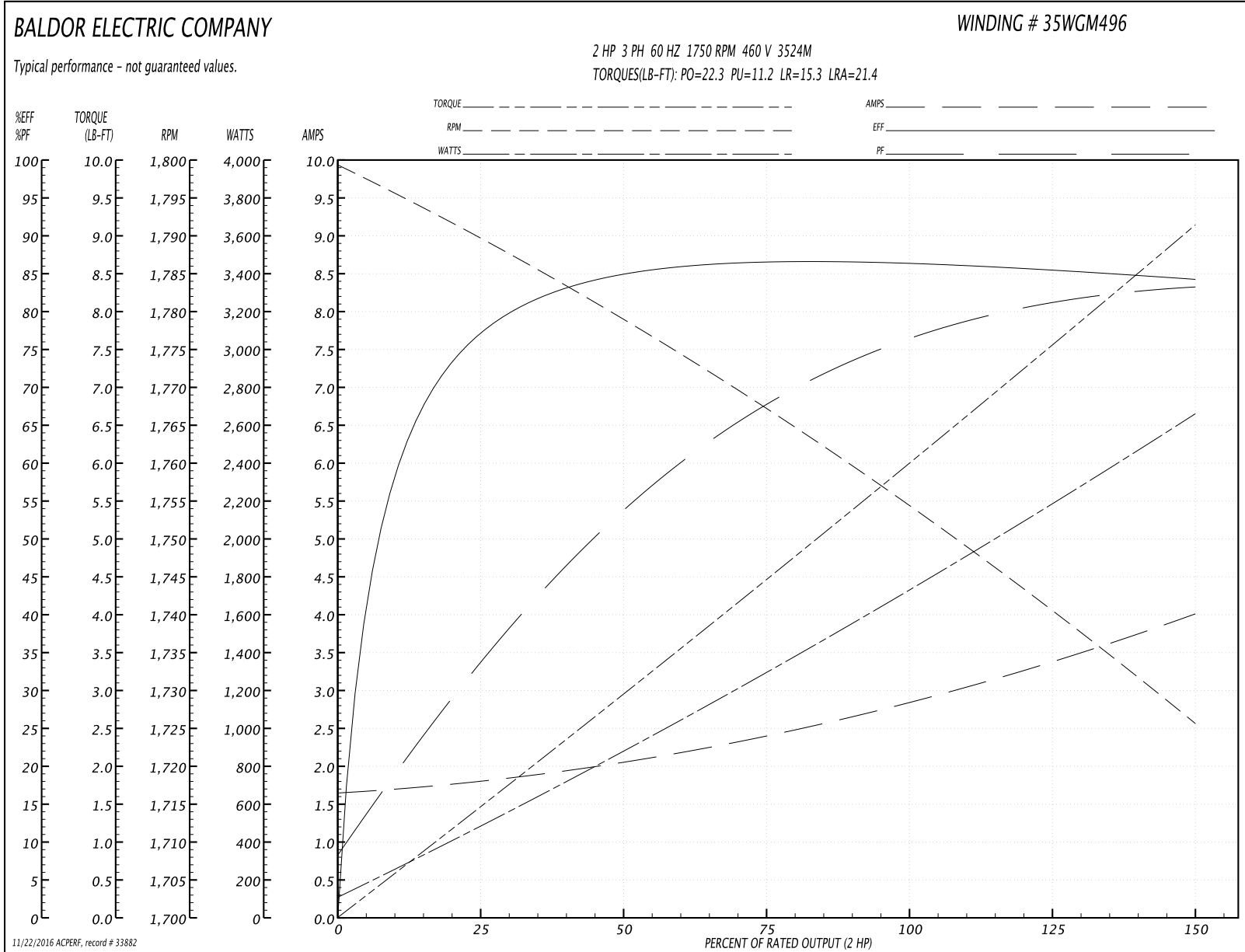
Winding: 35WGM496-R001	Type: 3524M	Enclosure: OPSB
-------------------------------	--------------------	------------------------

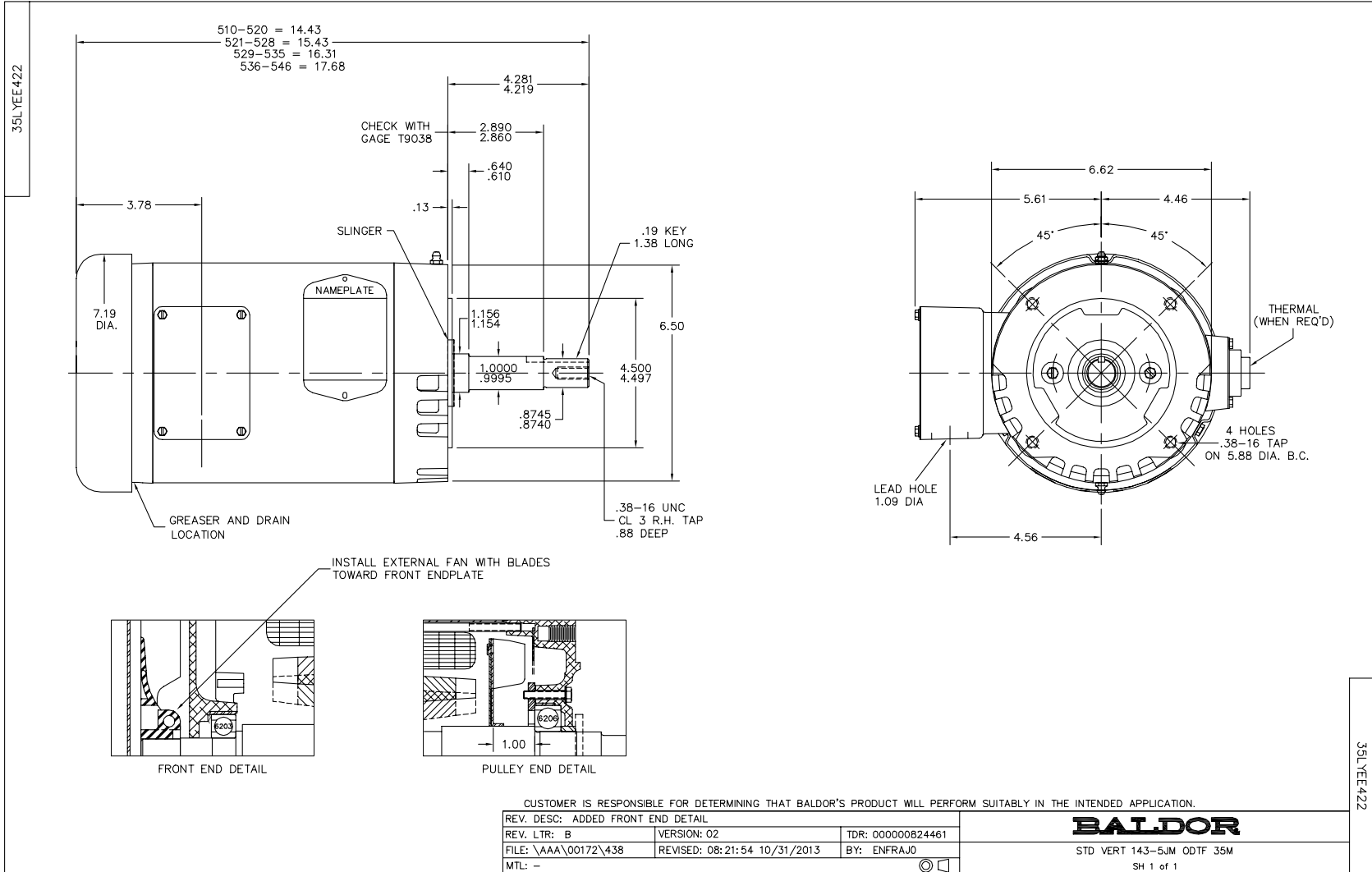
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	6.03 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	5.8/2.9			Breakdown Torque	22.3 LB-FT
R.P.M.	1750			Pull-up Torque	11.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	15.3 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	21.4 A
Service Factor (S.F.)	1.15			No-load Current	1.67 A
NEMA Nom. Eff.	86.5	Power Factor	76	Line-line Res. @ 25°C	8.43 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	39°C
S.F. Amps				Temp. Rise @ S.F. Load	47°C
				Locked-rotor Power Factor	52.4
				Rotor inertia	0.142 LB-FT ²

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	55	68	76	81	84	76
Efficiency	76.7	84.5	86.7	86.6	85.7	84.1	86.6
Speed	1789	1778	1767	1755	1741	1725	1749
Line amperes	1.78	2.04	2.4	2.88	3.4	3.99	3.25

Performance Graph at 460V, 60Hz, 2.0HP 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
90000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005