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Product Information Packet

VEM31157

2HP,1750RPM,3PH,60HZ,56C,3526M,ODP,F1,N

Part Detail							
Revision:	B	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Prod. Type:**	3526M	**Elec. Spec:**	35WGM496	**CD Diagram:**	CD0005
Enclosure:	ODP	**Mfg Plant:**		**Mech. Spec:**	35E4017	**Layout:**	35LYE4017
Frame:	56C	**Mounting:**	F1	**Poles:**	04	**Created Date:**	07-18-2016
Base:	N	**Rotation:**	R	**Insulation:**	F	**Eff. Date:**	12-20-2016
Leads:	9#18					**Replaced By:**	
Literature:		**Elec. Diagram:**					

Nameplate NP3155L

CAT.NO.	VEM31157								
SPEC.	35E4017M496G1								
HP	2								
VOLTS	230/460								
AMP	5.8/2.9								
RPM	1750								
FRAME	56C		**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	K	**DES**	B	**CL**	F		
F.L. AVG. EFF.	86.5	**PF**	76						
RATING	40C AMB-CONT								
CC						**USABLE AT 208V**	5.8		
DE	6205			**ODE**	6203				
ENCL	ODP	**SN**							

Parts List

Part Number	Description	Quantity
SA324390	SA 35E4017M496G1	1.000 EA
RA312224	RA 35E4017M496G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	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
35EP3201A16	FR ENDPLATE, MACH	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
35EP3400A13	STD FACE MTD END PLATE OPEN NEMA 56C 05	1.000 EA
35AD2000	AIR BAFFLE	1.000 EA
60XW0632A06	6-32 X 3/8 TORX HEAD SCREW TAPTITE II	4.000 EA
35FH4006A01SP	DRIP COVER,STAMPED,W/ PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB4521	35 LIPPED CB LID (GALV & PHOSPH)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 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
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
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
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

Parts List (continued)

Part Number	Description	Quantity
NP3155L	ALUM SUPER-E UL CSA CC "SEMS"	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA

AC Induction Motor Performance Data

Record # 58173 - Typical performance - not guaranteed values

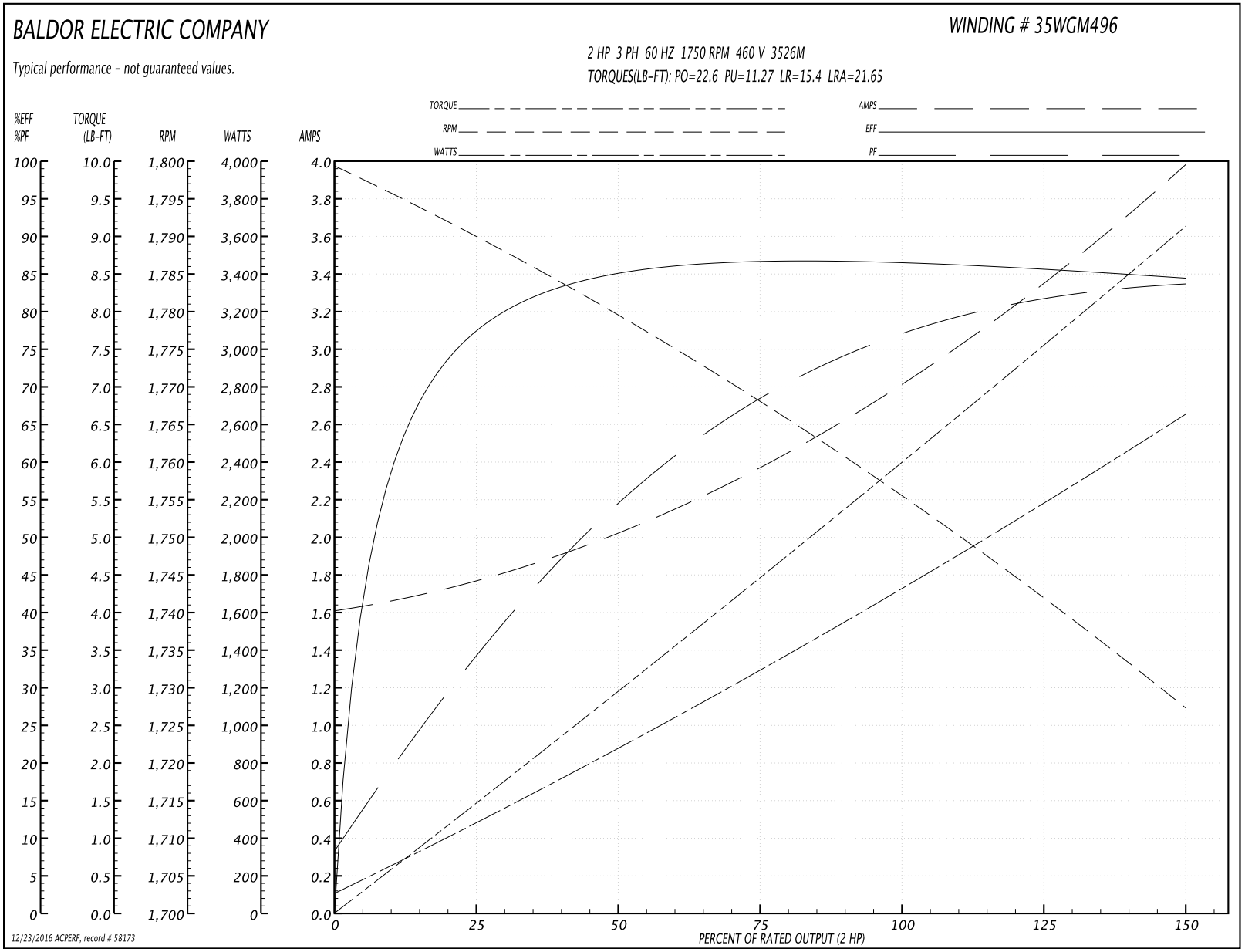
Winding: 35WGM496-R016	**Type:** 3526M	**Enclosure:** ODP

Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	6.02 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	5.8/2.9			Breakdown Torque	22.6 LB-FT
R.P.M.	1750			Pull-up Torque	11.27 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	15.4 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	21.65 A
Service Factor (S.F.)	1.15			No-load Current	1.63 A
NEMA Nom. Eff.	86.5	Power Factor	76	Line-line Res. @ 25ºC	8.22 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	38°C
S.F. Amps				Temp. Rise @ S.F. Load	46°C
				Locked-rotor Power Factor	52.4
				Rotor inertia	0.154 LB-FT2

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	56	69	76	81	84	76
Efficiency	77	84.7	86.8	86.6	85.8	84.3	86.6
Speed	1789	1779	1768	1756	1742	1727	1749
Line amperes	1.75	2.01	2.37	2.85	3.37	3.96	3.25

Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values



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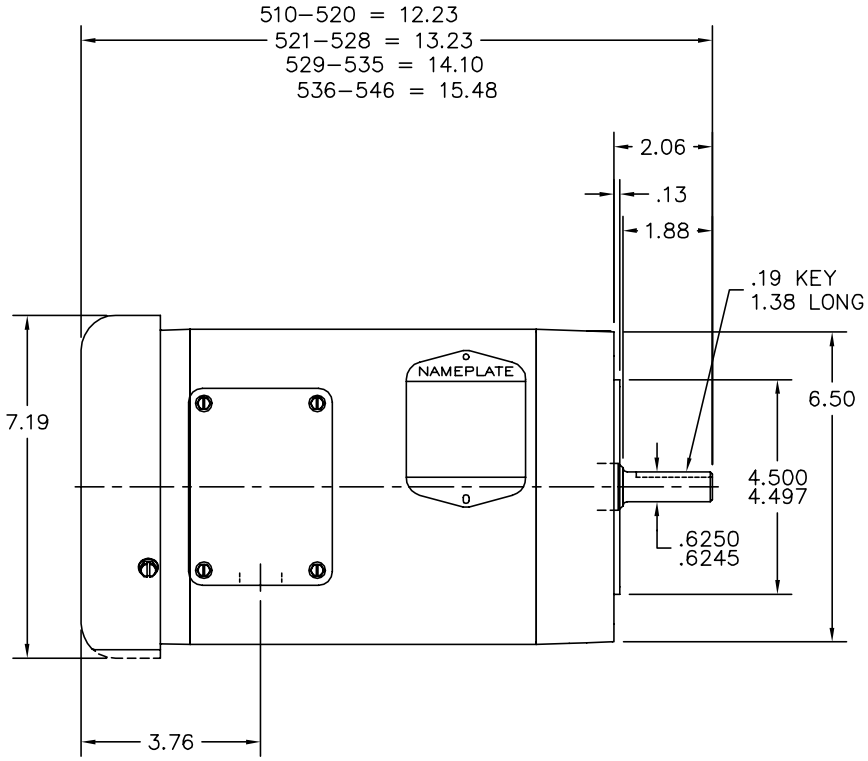
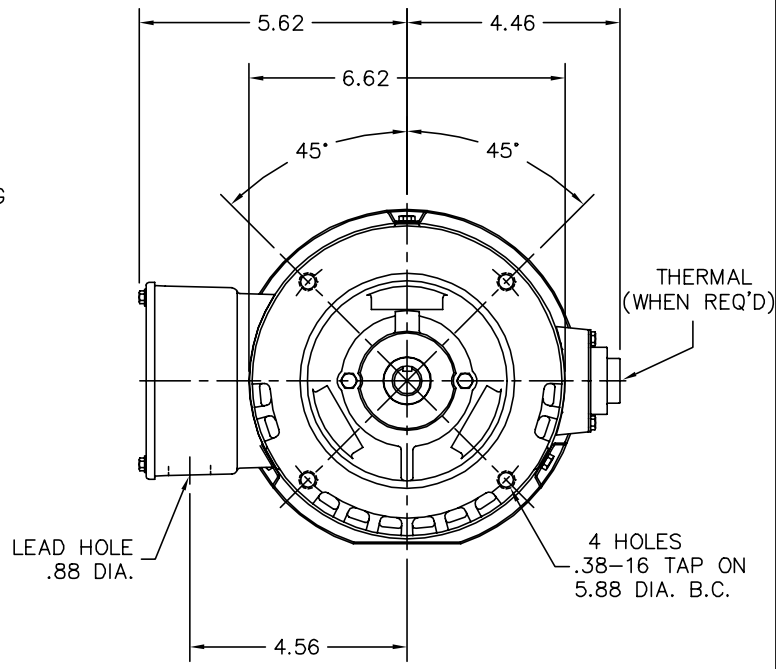




35LYE4017

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

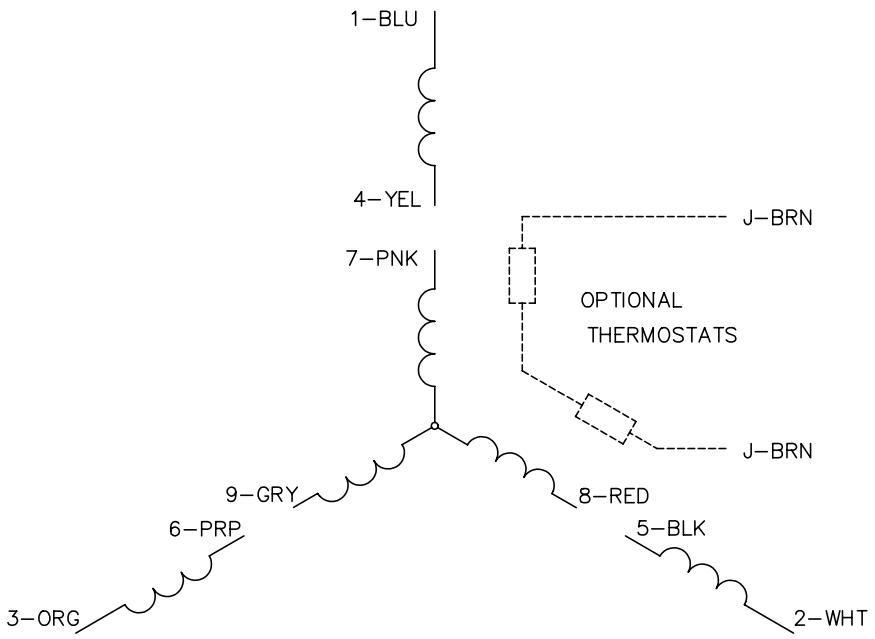
REV. DESC: UPDATE DESCRIPTION & GRAPHICS		
REV. LTR: B	VERSION: 02	TDR: 000000988234
FILE: \AAA\00212\543	REVISED: 09:54:56 07/14/2016	BY: ENBRAMO
MTL: –		

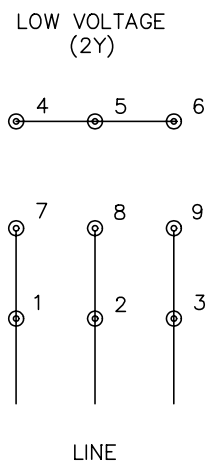
BALDOR

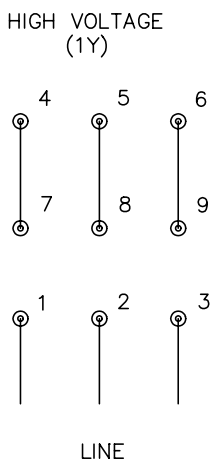
STD VERT 56C OPEN 35M W/ DRIPCOVER (NO EXT FAN)

SH 1 of 1

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