



Product Information Packet

VJMM3154T

1.5HP,1755RPM,3PH,60HZ,145JM,3521M,ODTF

Part Detail							
Revision:	H	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGZ541	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35E422	Layout:	35LYE422	Poles:	04	Created Date:	06-02-2010
Base:	N	Eff. Date:	03-08-2016	Leads:	9#18		

Specs			
Catalog Number:	VJMM3154T	Insulation Class:	F
Enclosure:	ODP	Inverter Code:	Not Inverter
Frame:	145JM	KVA Code:	M
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
	208.0 V @ 60 HZ	Motor Type:	3521M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	70
	UR	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:	Tapped & Key
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	Included
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	2.400 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding

	4.800 A @ 230.0 V	Shaft Rotation:	Reversible
	5.100 A @ 208.0 V	Shaft Slinger Indicator:	Shaft Slinger
Design Code:	B	Speed Code:	Single Speed
Drip Cover:	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:	Drip Cover Mounting	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
Heater Indicator:	No Heater	Winding Thermal 2:	None

Nameplate NP1256L

CAT.NO.	VJMM3154T											
SPEC.	35E422Z541H1											
HP	1.5											
VOLTS	208-230/460											
AMP	5.1-4.8/2.4											
RPM	1755											
FRAME	145JM				HZ		60				PH	3
SER.F.	1.15		CODE		M	DES		B	CLASS		F	
NEMA-NOM-EFF	84			PF		70						
RATING	40C AMB-CONT											
CC	010A				USABLE AT 208V							
DE	6206				ODE		6203					
ENCL	ODTF		SN									

Parts List		
Part Number	Description	Quantity
SA197653	SA 35E422Z541H1	1.000 EA
RA185037	RA 35E422Z541H1	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
35EP3209C00	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
HW5100A03	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
35CB4521	35 LIPPED CB LID (GALV & PHOSPH)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
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
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA

AC Induction Motor Performance Data

Record # 23168 - Typical performance - not guaranteed values

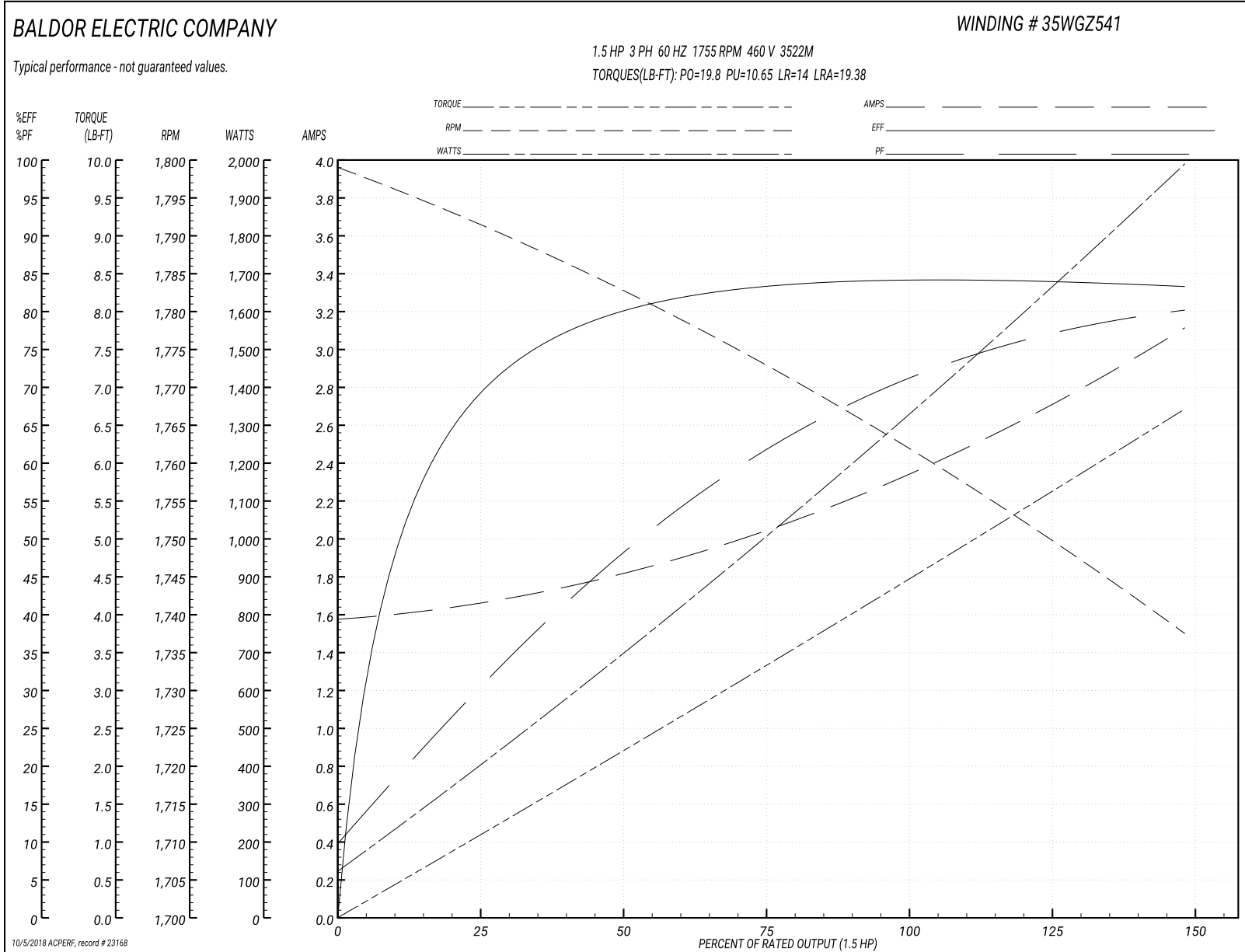
Winding: 35WGZ541-R001	Type: 3522M	Enclosure: TEFC
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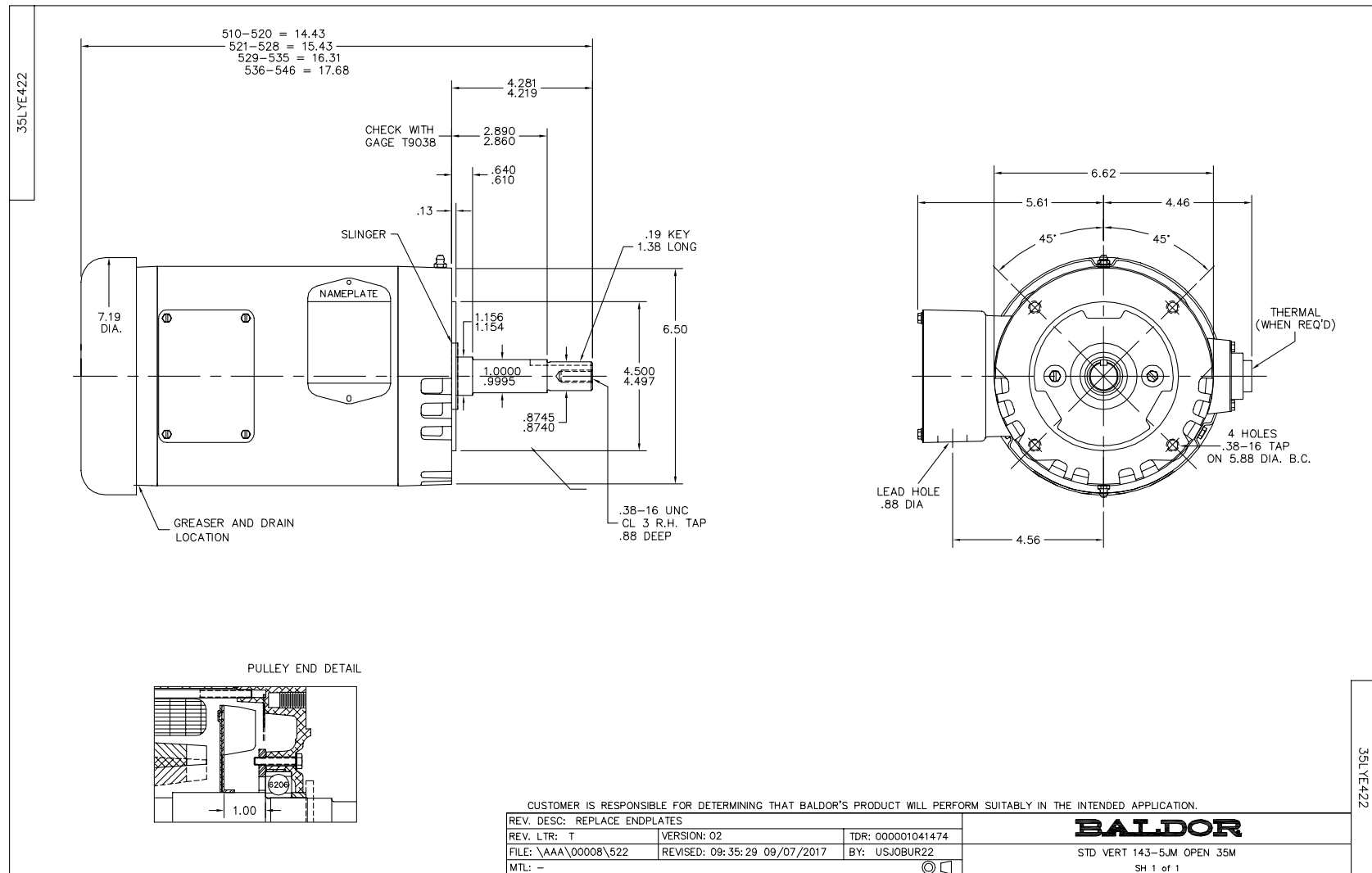
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	4.42 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	5.1-4.8/2.4			Breakdown Torque	19.8 LB-FT
R.P.M.	1755			Pull-up Torque	10.65 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	14 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	19.38 A
Service Factor (S.F.)	1.15			No-load Current	1.59 A
NEMA Nom. Eff.	84	Power Factor	70	Line-line Res. @ 25°C	9.72 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	55°C
S.F. Amps				Temp. Rise @ S.F. Load	63°C
				Locked-rotor Power Factor	53.6
				Rotor inertia	0.13 LB-FT ²

Load Characteristics 460 V, 60 Hz, 1.5 HP

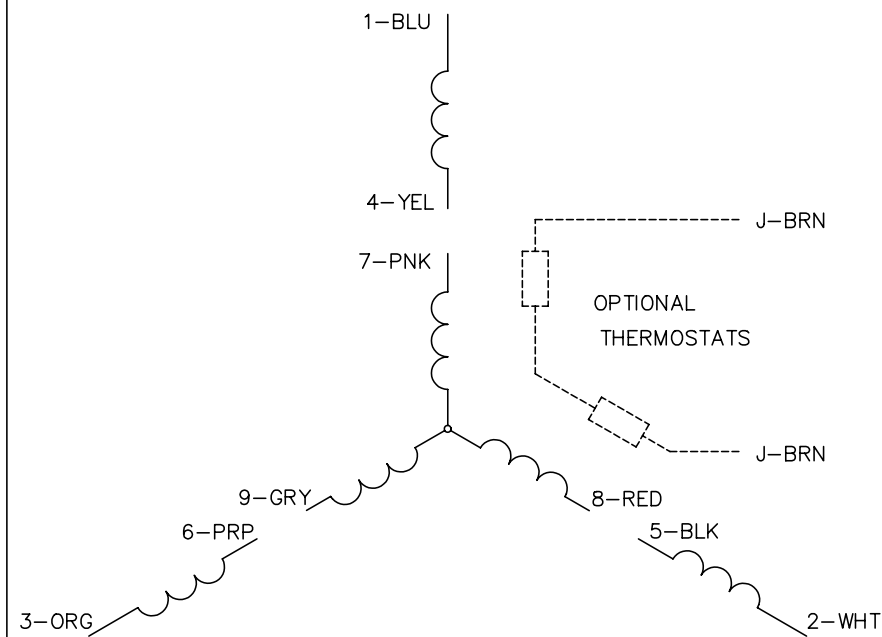
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	48	62	70	77	80	74
Efficiency	68.5	79.3	83.4	84.3	84.2	83.1	83.9
Speed	1792	1783	1773	1762	1751	1737	1754
Line amperes	1.64	1.8	2.04	2.35	2.7	3.11	2.57

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

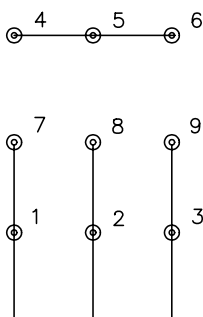




CD0005

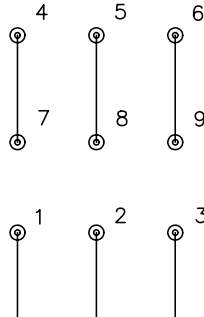


LOW VOLTAGE
(2Y)



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

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005