



Product Information Packet

VM3155T

2HP,3450RPM,3PH,60HZ,143TC,3522M,ODTF,F1

Part Detail							
Revision:	H	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGM764	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35BB005	Layout:	35LYBB005	Poles:	02	Created Date:	06-01-2010
Base:	N	Eff. Date:	03-08-2016	Leads:	9#18		

Specs			
Catalog Number:	VM3155T	Insulation Class:	B
Enclosure:	ODP	Inverter Code:	Not Inverter
Frame:	143TC	KVA Code:	K
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	2.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	3600 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:	3522M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	87
	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:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	2.500 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding

	5.000 A @ 230.0 V	Shaft Rotation:	Reversible
	5.500 A @ 208.0 V	Shaft Slinger Indicator:	No 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.	VM3155T											
SPEC.	35BB005M764H1											
HP	2											
VOLTS	208-230/460											
AMP	5.5-5/2.5											
RPM	3450											
FRAME	143TC				HZ		60			PH	3	
SER.F.	1.15		CODE		K		DES		B		CLASS	B
NEMA-NOM-EFF	84		PF		87							
RATING	40C AMB-CONT											
CC	010A						USABLE AT 208V		5.5			
DE	6205				ODE		6203					
ENCL	ODTF		SN									

Parts List		
Part Number	Description	Quantity
SA197370	SA 35BB005M764H1	1.000 EA
RA184759	RA 35BB005M764H1	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
35EP3209C00	FR ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3402B00	SPL FACE MTD END PLATE - OPEN-143-5TC-05	1.000 EA
35AD2000	AIR BAFFLE - GALVANNEAL	1.000 EA
60XW0632A06	6-32 X 3/8 TORX HEAD SCREW TAPTITE II	4.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 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
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
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
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
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA
35PA1000	PKG GRP, PRINT PK1008A06	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA

AC Induction Motor Performance Data

Record # 31108 - Typical performance - not guaranteed values

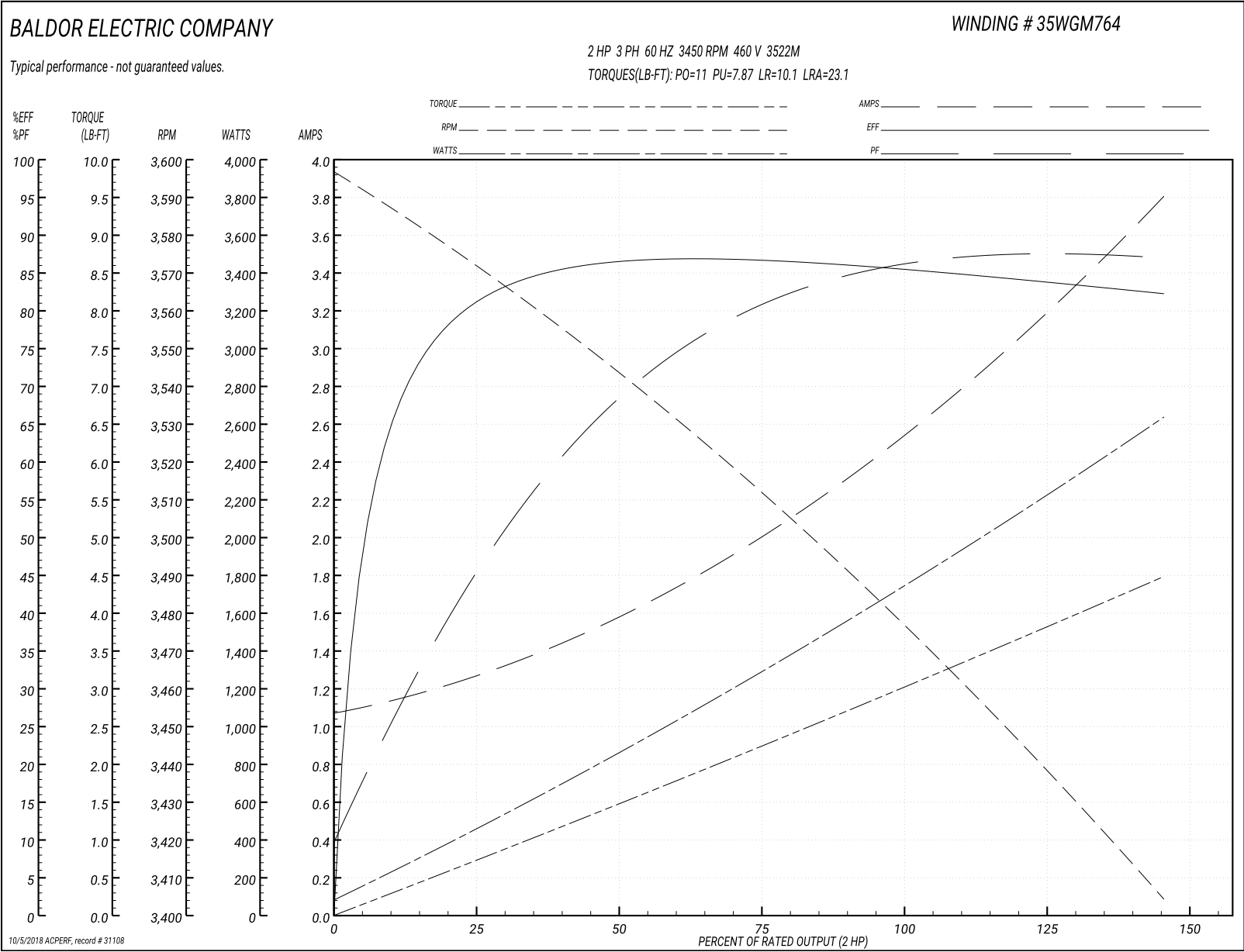
Winding: 35WGM764-R001	Type: 3522M	Enclosure: OPEN
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	3 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	5.5-5/2.5			Breakdown Torque	11 LB-FT
R.P.M.	3450			Pull-up Torque	7.87 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	10.1 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	23.1 A
Service Factor (S.F.)	1.15			No-load Current	1.09 A
NEMA Nom. Eff.	84	Power Factor	87	Line-line Res. @ 25°C	9.08 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	33°C
S.F. Amps				Temp. Rise @ S.F. Load	39°C
				Locked-rotor Power Factor	56
				Rotor inertia	0.0608 LB-FT ²

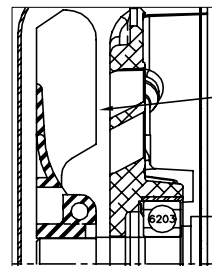
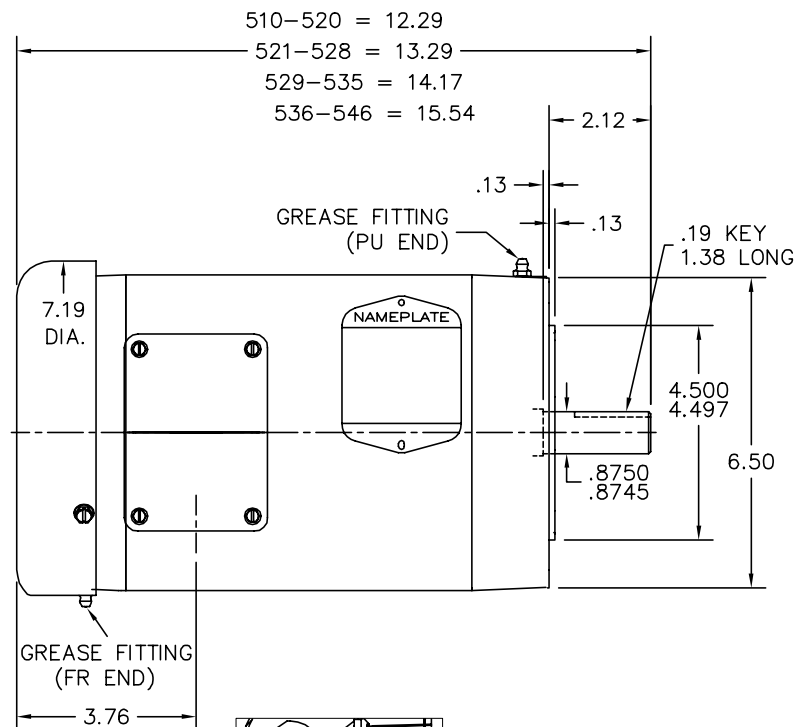
Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	46	72	81	83	88	87	86
Efficiency	81.2	86.1	86.4	85.8	84.2	82.1	84.8
Speed	3570	3542	3512	3479	3443	3403	3457
Line amperes	1.27	1.53	2.01	2.6	3.1	3.8	2.9

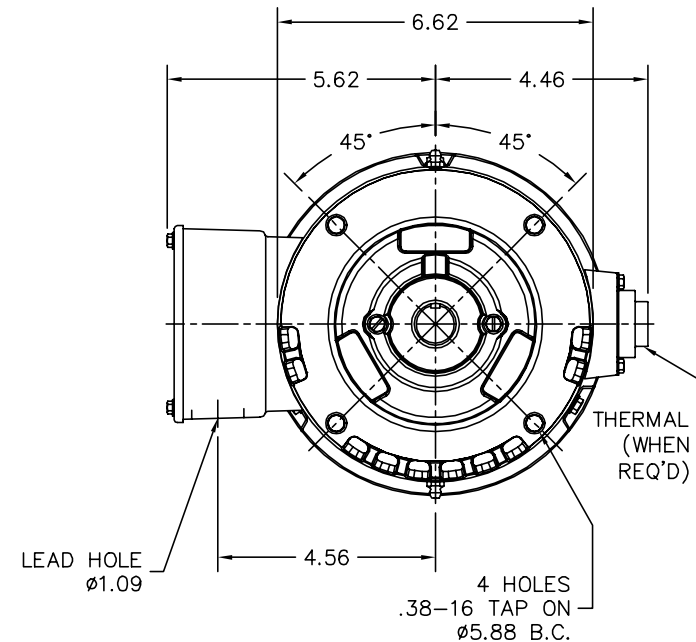
Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values



35LYBB005



INSTALL EXT. FAN W/BLADES
FACING THE FRONT ENDPLATE



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

REV. DESC: REPLACE ENDPLATES

REV. LTR: C

VERSION: 03

TDR: 000001041474

FILE: \AAA\00172\253

REVISED: 02:07:36 09/06/2017

BY: USJOBUR22

MTL: -

BALDOR

STD VER 143-5TC ODTF 35M W/DRIP CVR, EXT FAN, 1.09 LEAD HOLE

SH 1 of 1

35LYBB005

