

BALDOR® • *RELIANCE*

Product Information Packet

MM3550

1.1KW,3450RPM,3PH,60HZ,D80,3424M,TEFC,F2

Part Detail							
Revision:	X	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WGW315	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	34G167	Layout:	34LYG167	Poles:	02	Created Date:	
Base:	RG	Eff. Date:	03-02-2016	Leads:	9#18		

Specs			
Catalog Number:	MM3550	Front Shaft Indicator:	None
Enclosure:	TEFC	Heater Indicator:	No Heater
Frame:	D80	Insulation Class:	B
Frame Material:	Steel	Inverter Code:	Not Inverter
Output @ Frequency:	1.500 HP @ 60 HZ	KVA Code:	L
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Voltage @ Frequency:	460.0 V @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
	230.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
	208.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
XP Division:	Not Applicable	Motor Lead Termination:	Flying Leads
Agency Approvals:	CSA	Motor Type:	3424M
	UR	Mounting Arrangement:	B3
Auxillary Box:	No Auxillary Box	Power Factor:	81
Auxillary Box Lead Termination:	None	Product Family:	General Purpose
Base Indicator:	RG	Pulley End Bearing Type:	Ball
Bearing Grease Type:	Polyrex EM (-20F +300F)	Pulley Face Code:	Standard
Blower:	None	Pulley Shaft Indicator:	Standard
Current @ Voltage:	2.100 A @ 460.0 V	Rodent Screen:	None

	4.200 A @ 230.0 V	Shaft Extension Location:	Pulley End
	4.500 A @ 208.0 V	Shaft Ground Indicator:	No Shaft Grounding
Design Code:	B	Shaft Rotation:	Reversible
Drip Cover:	No Drip Cover	Shaft Slinger Indicator:	No Slinger
Duty Rating:	CONT	Speed Code:	Single Speed
Electrically Isolated Bearing:	Not Electrically Isolated	Motor Standards:	IEC
Feedback Device:	NO FEEDBACK	Starting Method:	Direct on line
Frame Prefix:	D	Thermal Device - Bearing:	None
Front Face Code:	Standard	Thermal Device - Winding:	None
		Vibration Sensor Indicator:	No Vibration Sensor

AC Induction Motor Performance Data

Record # 6952 - Typical performance - not guaranteed values

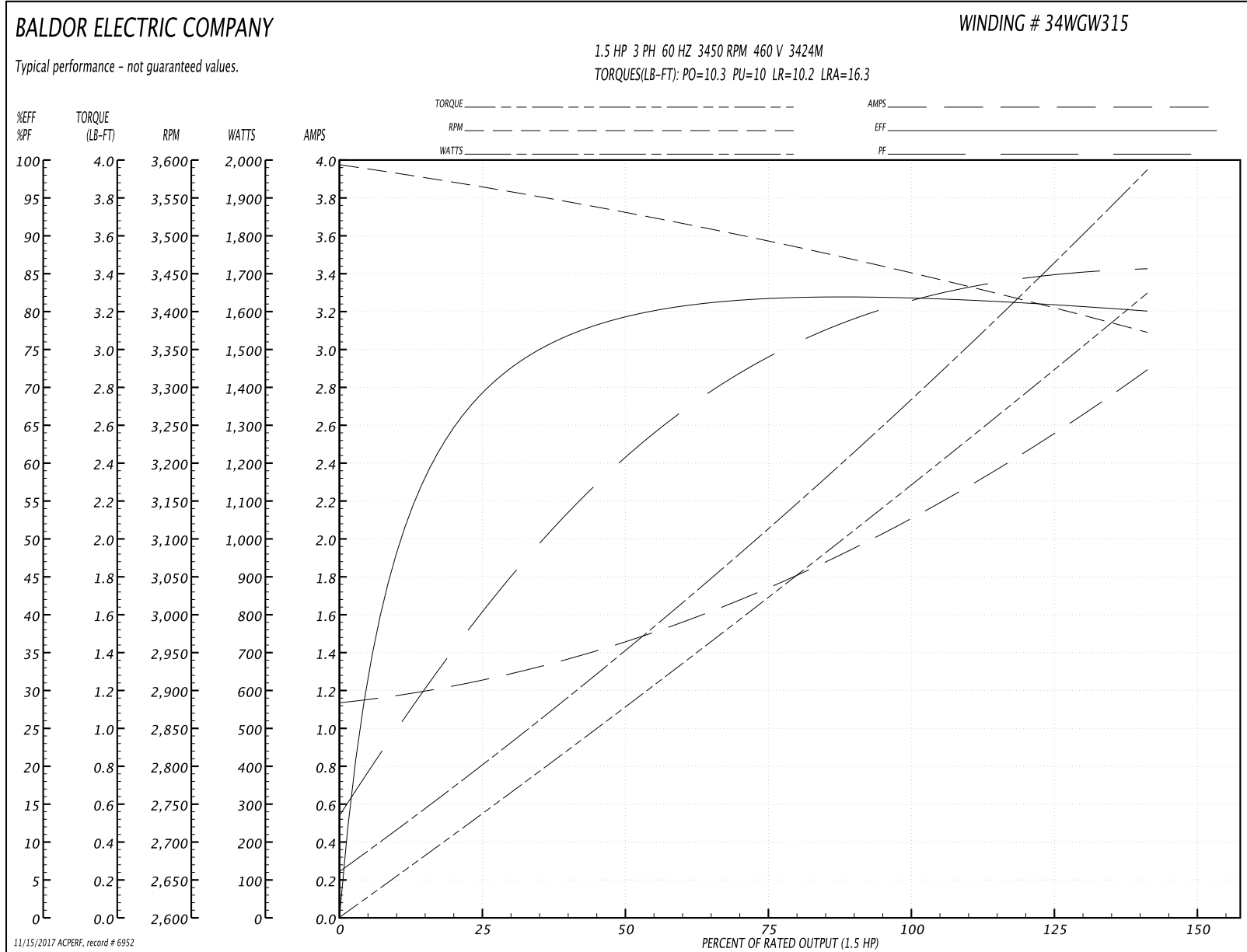
Winding: 34WGW315-R001	Type: 3424M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	2.2 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	4.5-4.2/2.1			Breakdown Torque	10.3 LB-FT
R.P.M.	3450			Pull-up Torque	10 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	10.2 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	16.3 A
Service Factor (S.F.)	1			No-load Current	1.15 A
NEMA Nom. Eff.	82.5	Power Factor	81	Line-line Res. @ 25°C	9.08 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	56°C
				Locked-rotor Power Factor	63
				Rotor inertia	0.0223 LB-FT ²

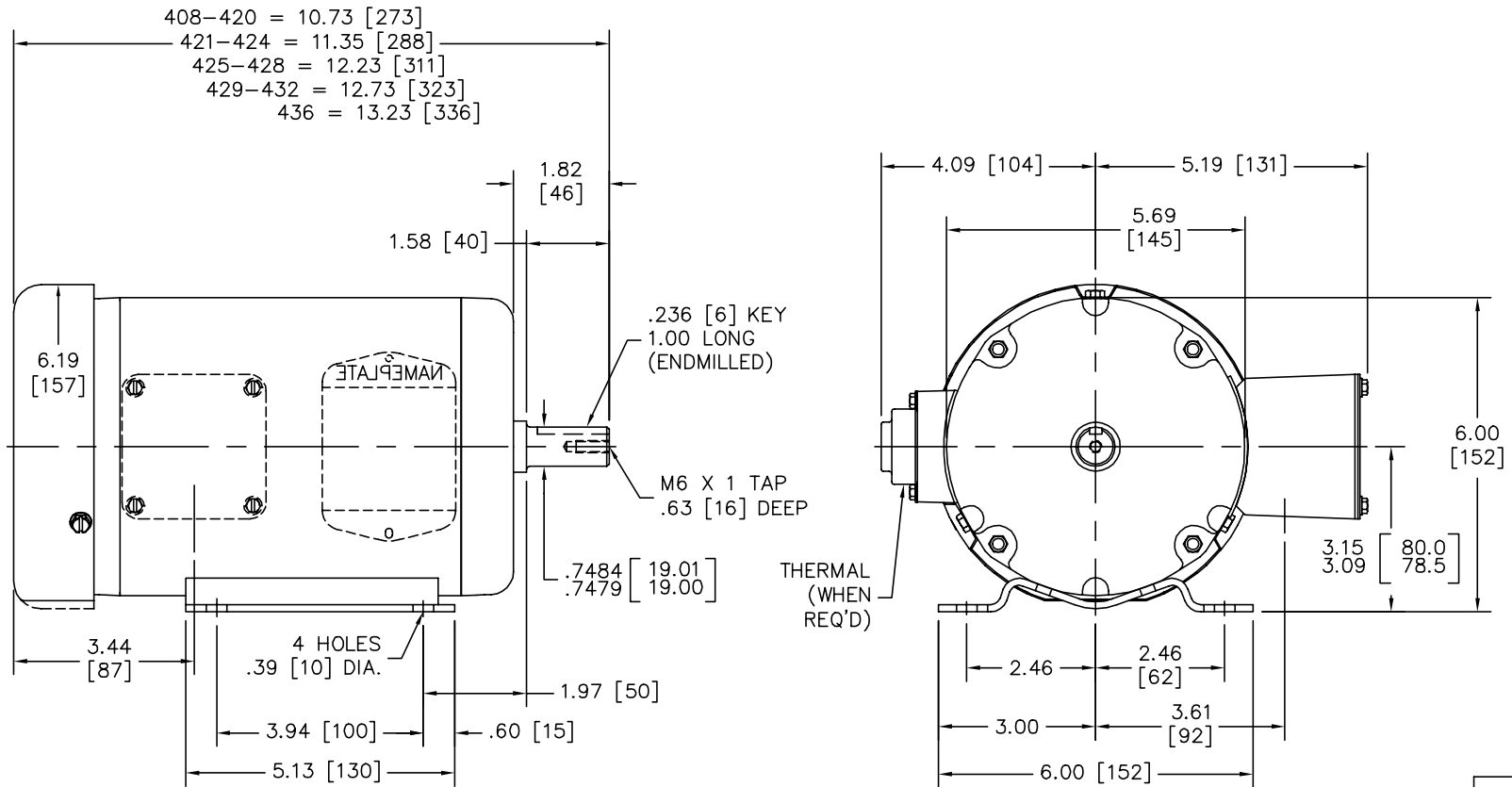
Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	42	61	73	80	85	87
Efficiency	69	78	82	82.4	81	80
Speed	3563	3531	3496	3461	3413	3373
Line amperes	1.24	1.44	1.71	2.05	2.5	2.86

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



34LYG167



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

REV. DESC: FIX DIM LINE ON RIGHT VIEW KOBX		
REV. LTR: G	VERSION: 04	TDR: 000000986625
FILE: \AAA\00034\115	REVISED: 09: 32: 27 07/07/2016	BY: ENMAIYO
MTL: -	☉ □	

BALDOR

HORZ 34M IEC D80 TEFC F2 W/M6 X 1 TAP SHAFT

SH 1 of 1

34LYG167

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