

ABB BALDOR RELIANCE III

Customer information packet

MM3550

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

Class -

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	D80
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	1.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	208.0 V @ 60 HZ 230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	RG
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	4.500 A @ 208.0 V 4.200 A @ 230.0 V 2.100 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Frame Prefix	D
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	X
Type	AC
Mech. spec.	34G167
Base	
Status	INA/A
Elec. spec.	34WGW315
Layout	34LYG167
Eff. date	03-02-2016
CD Diagram	CD0005
Poles	02
Leads	9#18
Proprietary	False
Created date	01-01-0001

Heater Indicator	No Heater
High Voltage Full Load Amps	2.1 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	IEC
Motor Type	3424M
Mounting Arrangement	B3
Number of Poles	2
Overall Length	11.35 IN
Power Factor	81
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	0.748 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3450 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor

Nameplate

NP1379L									
CAT.NO.									
SPEC.	34G167W315G1								
IEC FRAME	D80	K.W.		1.1 TE					
VOLTS	208-230/460								
AMP	4.5-4.2/2.1								
RPM	3450			I.P.		54			
HZ	60		PH		3	CL		B	
SER.F.	1.00		DES		B		CODE		L
NEMA-NOM-EFF	82.5		PF		81				
RATING	40C AMB-CONT								
CC									
DE	6205	ODE		6203					
SER. #									

AC Induction Motor Performance Data

Record # 6952

Typical performance - not guaranteed values

Winding: 34WGW315-R001			Type: 3424M		Enclosure: TEFC	
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	Starting Current		16.3 A	
Service Factor (S.F.)		1	No-load Current		1.15 A	
NEMA Nom. Eff.		82.5 Power Factor	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-FT2	

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

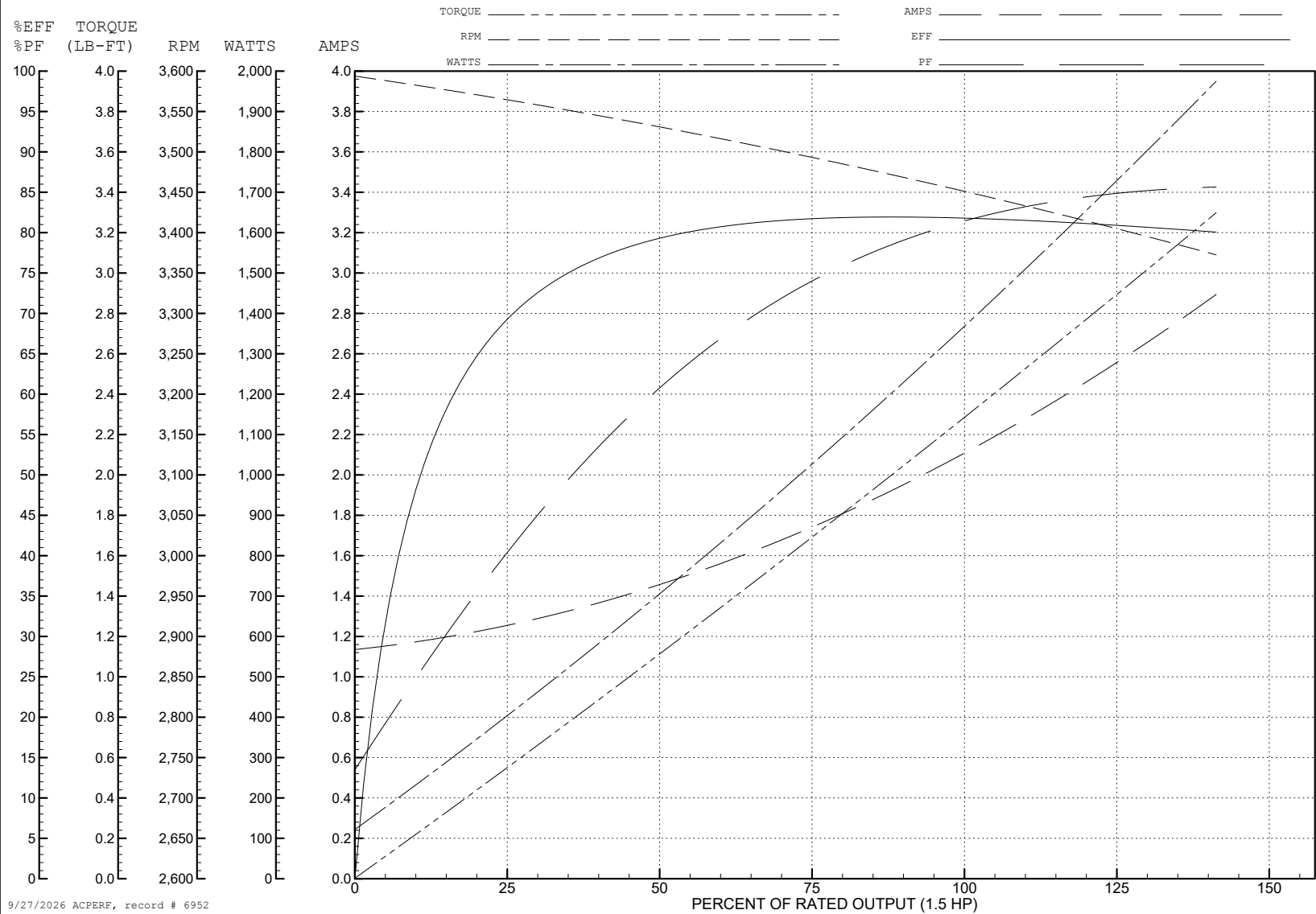
ABB Motors and Mechanical Inc.

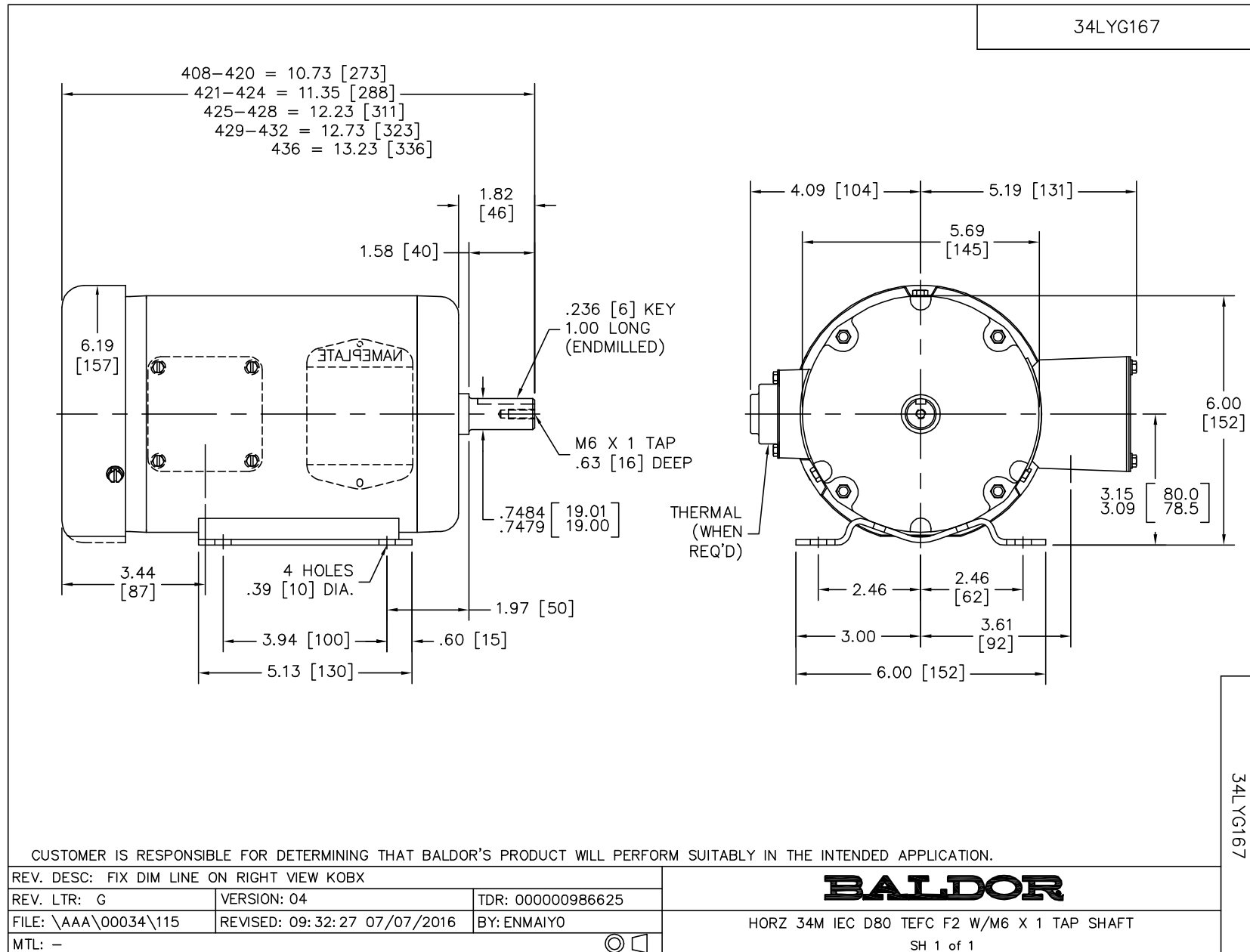
WINDING # 34WG315

Typical performance - not guaranteed values.

1.5 HP 3 PH 60 HZ 3450 RPM 460 V 3424M

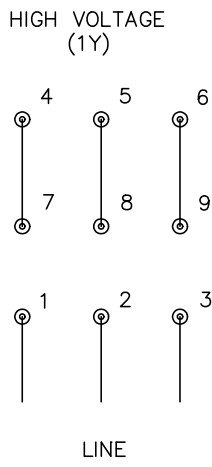
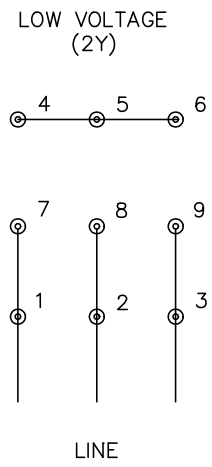
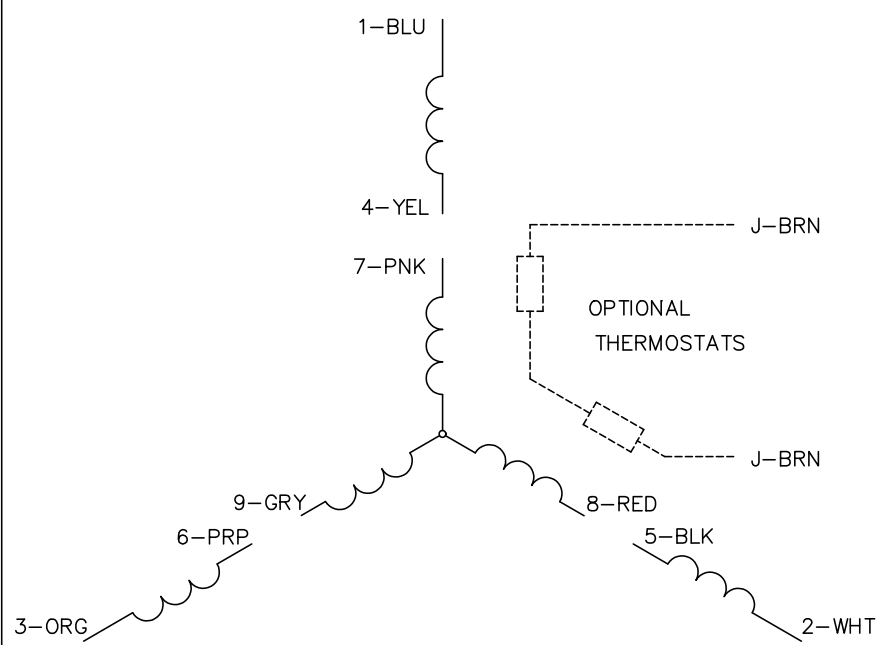
TORQUES (LB-FT): PO=10.3 PU=10 LR=10.2 LRA=16.3





34LYG167

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.

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