

ABB BALDOR RELIANCE III

Customer information packet

MM3545

.75KW, 3450RPM, 3PH, 60HZ, D80, 3416M, TEFC, F2

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	D80
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	1.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ 208.0 V @ 60 HZ
Agency Approvals	CSA UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	3.100 A @ 208.0 V 3.000 A @ 230.0 V 1.500 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	77.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Frame Prefix	D
Front Face Code	Standard

Part Detail

Revision	Y
Type	AC
Mech. spec.	34G167
Base	
Status	INA/A
Elec. spec.	34WGW317
Layout	34LYG167
Eff. date	03-09-2021
CD Diagram	CD0005
Poles	02
Leads	9#18
Proprietary	False
Created date	01-01-0001

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	1.5 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	K
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	3416M
Mounting Arrangement	B3
Number of Poles	2
Overall Length	10.73 IN
Power Factor	80
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.	34G167W317G1								
IEC FRAME	D80	K.W.		.75 TE					
VOLTS	208-230/460								
AMP	3.1-3/1.5								
RPM	3450				I.P.		54		
HZ	60		PH	3	CL	B			
SER.F.	1.00		DES	B	CODE		K		
NEMA-NOM-EFF	77		PF	80					
RATING	40C AMB-CONT								
CC	010A								
DE	6205	ODE	6203						
SER. #									

AC Induction Motor Performance Data

Record # 6953

Typical performance - not guaranteed values

Winding: 34WGW317-R001			Type: 3416M		Enclosure: TEFC		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		1	Full Load Torque		1.5 LB-FT		
Volts		208-230/460	Start Configuration		direct on line		
Full Load Amps		3.1-3/1.5	Breakdown Torque		6 LB-FT		
R.P.M.		3450	Pull-up Torque		4.5 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		4.6 LB-FT	
NEMA Design Code		B	KVA Code	K	Starting Current		11.4 A
Service Factor (S.F.)		1	No-load Current		0.87 A		
NEMA Nom. Eff.		77	Power Factor	80	Line-line Res. @ 25°C		18 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		54°C
					Locked-rotor Power Factor		67
					Rotor inertia		0.0148 LB-FT2

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	40	61	73	80	85	87
Efficiency	66	77	80	80	79	77
Speed	3566	3536	3504	3468	3428	3382
Line amperes	0.92	1.04	1.2	1.47	1.73	2

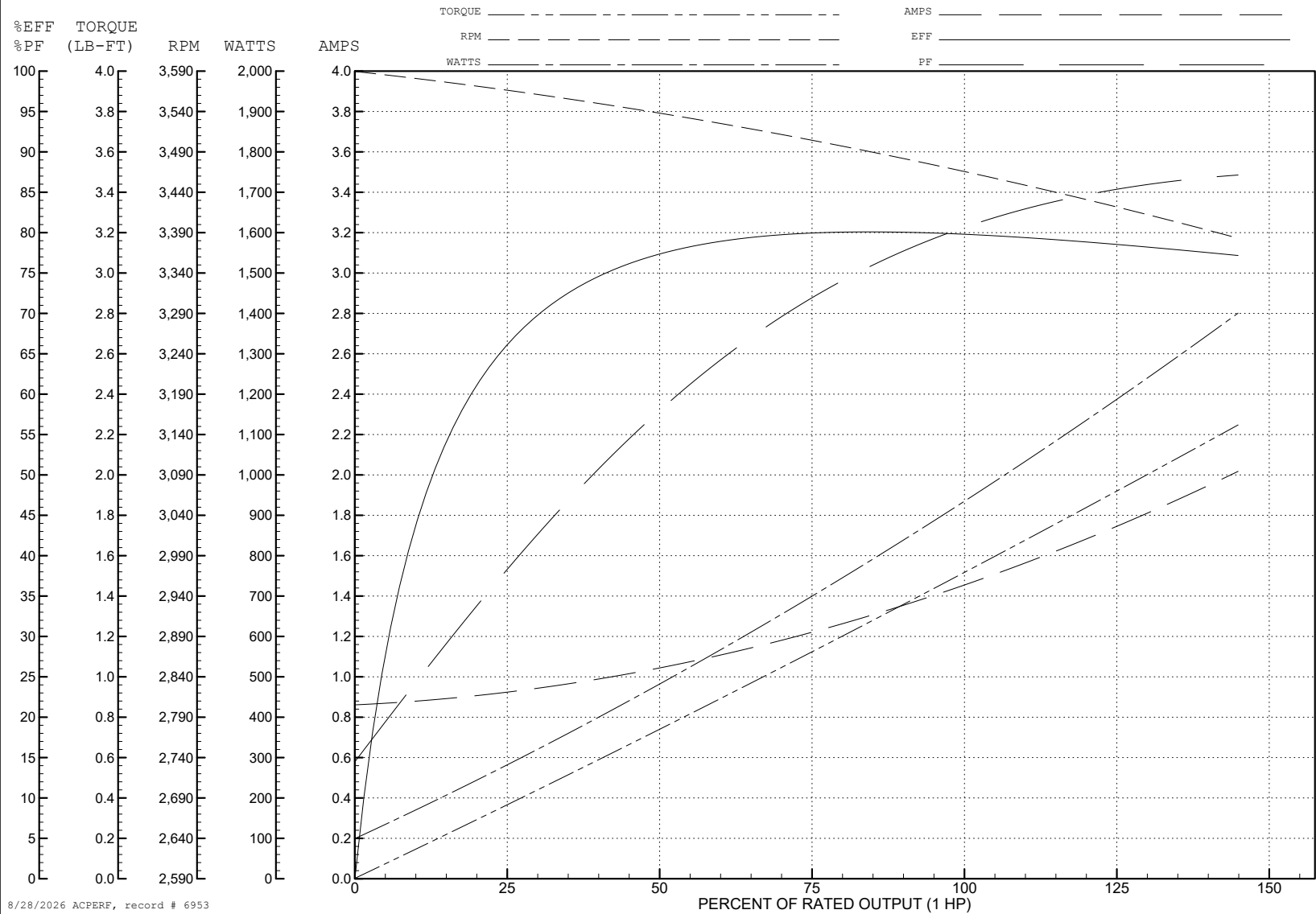
ABB Motors and Mechanical Inc.

WINDING # 34WGW317

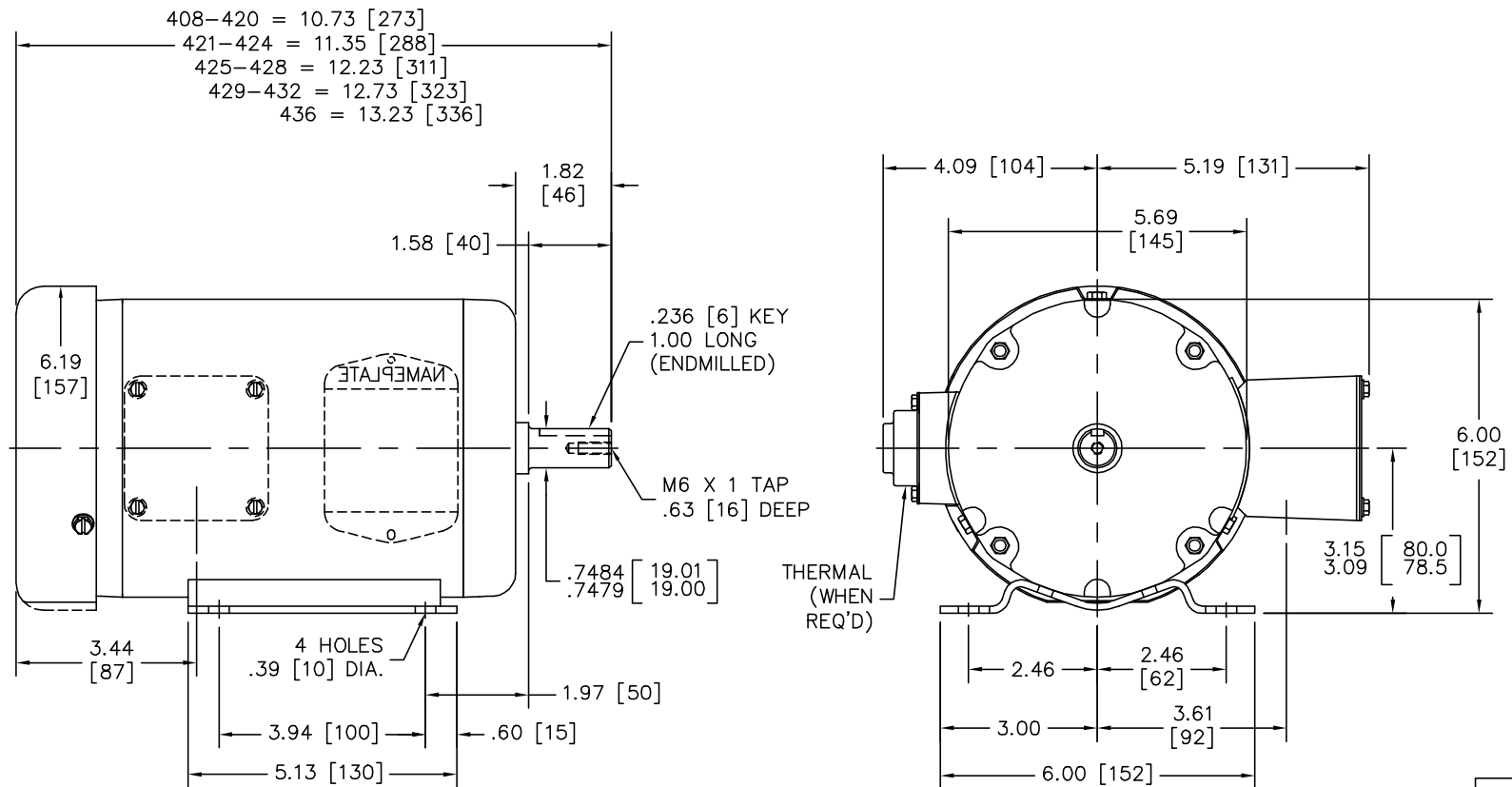
Typical performance - not guaranteed values.

1 HP 3 PH 60 HZ 3450 RPM 460 V 3416M

TORQUES (LB-FT) : PO=6 PU=4.5 LR=4.6 LRA=11.4



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



- 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