

ABB BALDOR RELIANCE III

Customer information packet

RM3155

2HP, 3450RPM, 3PH, 60HZ, 56H, 3428M, OPEN, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	56HH
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	2.000 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	Resilient
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	6.200 A @ 208.0 V 5.800 A @ 230.0 V 2.900 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	80.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Resilient Mount
Front Shaft Indicator	None

Part Detail

Revision	X
Type	AC
Mech. spec.	34K065
Base	
Status	NLA/A
Elec. spec.	34WG0284
Layout	34LYK065
Eff. date	01-23-2015
CD Diagram	CD0005
Poles	02
Leads	9#18
Proprietary	False
Created date	01-01-0001

Heater Indicator	No Heater
High Voltage Full Load Amps	2.9 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Terminal Panel
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3428M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	12.47 IN
Power Factor	80
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Resilient Mount
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.625 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

NP1256L									
CAT.NO.	RM3155								
SPEC.	34K65-284								
HP	2								
VOLTS	208-230/460								
AMP	6.2-5.8/2.9								
RPM	3450								
FRAME	56HH		HZ		60		PH		3
SER.F.	1.15	CODE		H	DES	B	CLASS		B
NEMA-NOM-EFF	80	PF		80					
RATING	40C AMB-CONT								
CC									
DE	6203		ODE		6203				
ENCL	OPEN	SN							
	SFA 6.8-6.4/3.2								

AC Induction Motor Performance Data

Record # 18005

Typical performance - not guaranteed values

Winding: 34WG0284-R001			Type: 3428M		Enclosure: TEFC			
Nameplate Data			460 V, 60 Hz: High Voltage Connection					
Rated Output (HP)		2	Full Load Torque		3.11 LB-FT			
Volts		208-230/460	Start Configuration		direct on line			
Full Load Amps		6.2-5.8/2.9	Breakdown Torque		12 LB-FT			
R.P.M.		3450	Pull-up Torque		10.6 LB-FT			
Hz		60	Phase		3	Locked-rotor Torque	13.4 LB-FT	
NEMA Design Code		B	KVA Code		H	Starting Current		20.8 A
Service Factor (S.F.)		1.15		No-load Current		1.35 A		
NEMA Nom. Eff.		80	Power Factor		80	Line-line Res. @ 25°C		7.39 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		85°C		
S.F. Amps		6.8-6.4/3.2		Temp. Rise @ S.F. Load		103°C		
				Locked-rotor Power Factor		65		
				Rotor inertia		0.026 LB-FT2		

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	48	68	80	87	90	91	89
Efficiency	67.7	77.5	80.1	80	78.5	76	79.1
Speed	3547	3502	3447	3389	3324	3247	3350
Line amperes	1.47	1.76	2.21	2.72	3.34	4.07	3.09

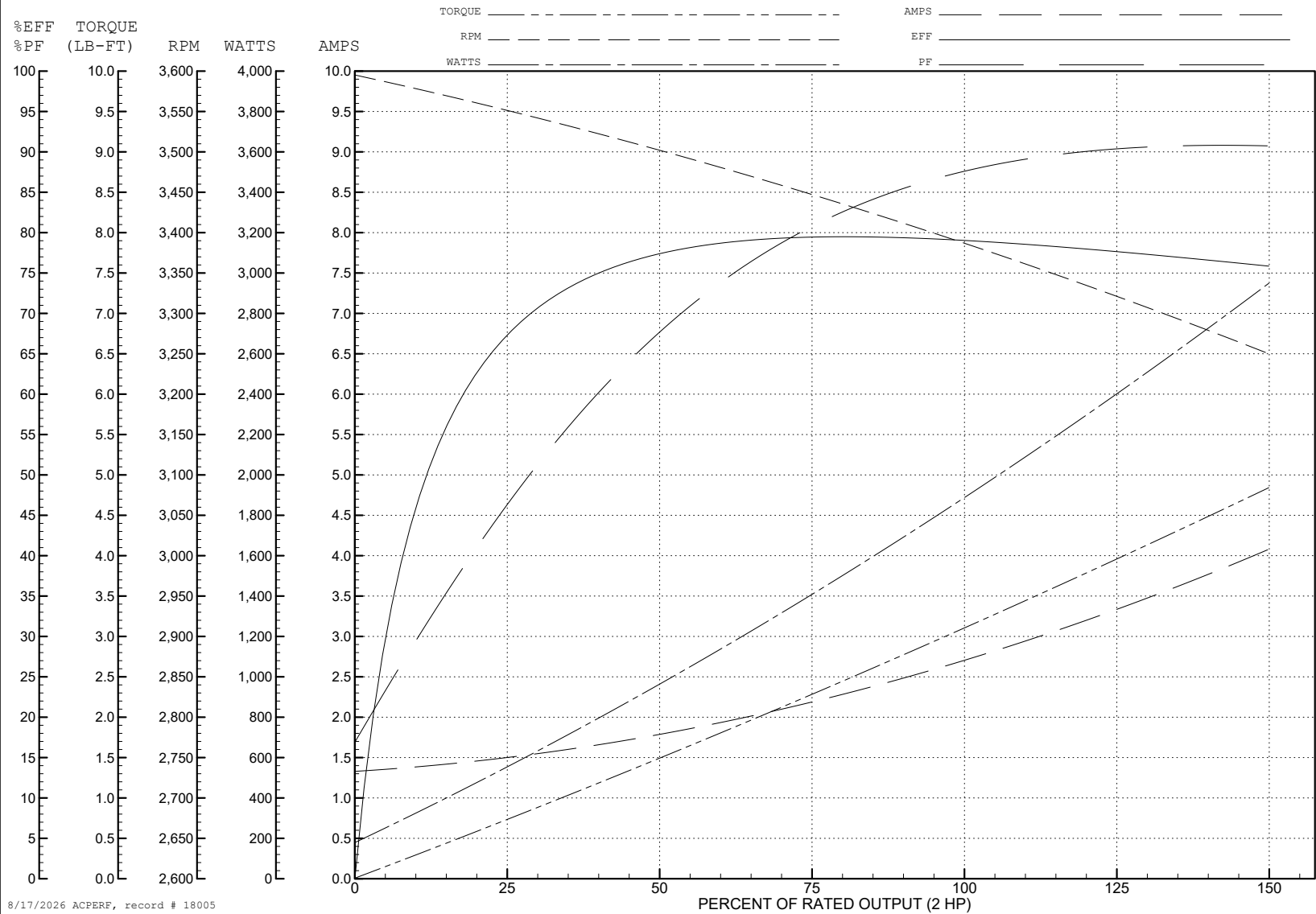
ABB Motors and Mechanical Inc.

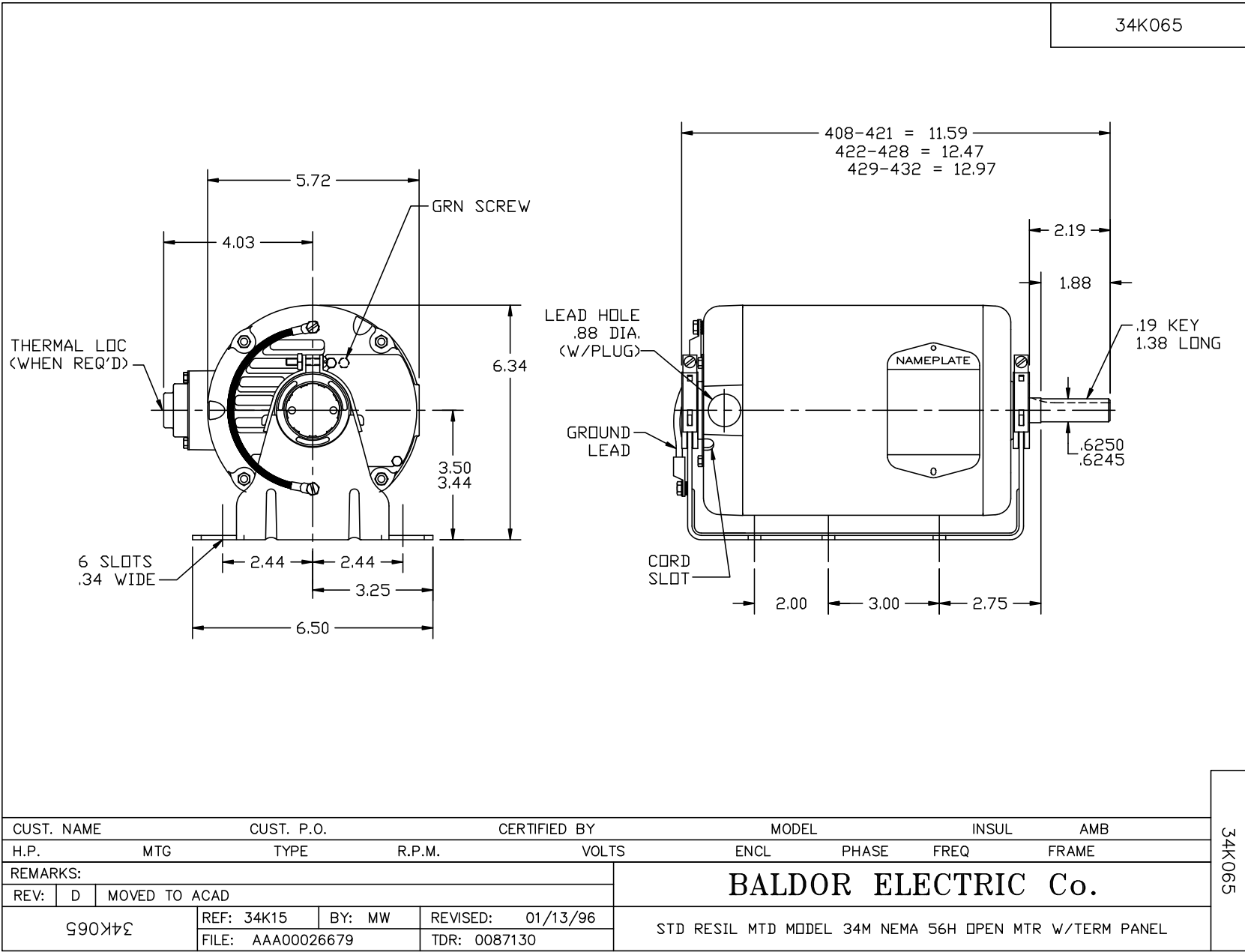
WINDING # 34WG0284

Typical performance - not guaranteed values.

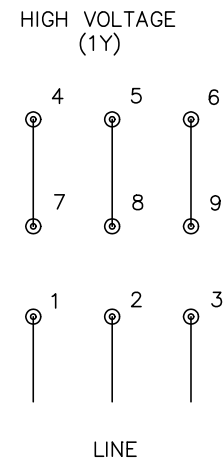
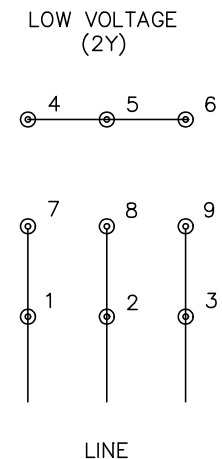
2 HP 3 PH 60 HZ 3450 RPM 460 V 3428M

TORQUES (LB-FT): PO=12 PU=10.6 LR=13.4 LRA=20.8





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