Customer information packet

RM3120

1.5HP, 3450RPM, 3PH, 60HZ, 56H, 3424M, OPEN, F1
Class - None
Division - Not Applicable

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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	1.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	208.0 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	Resilient
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	5.300 A @ 208.0 V
	4.900 A @ 208.0 V
	4.600 A @ 230.0 V
	2.300 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

Part Detail

Revision	V
Type	AC
Mech. spec.	34K065
Base	
Status	NLA/A
Elec. spec.	34WG0283
Layout	34LYK065
Eff. date	01-23-2015
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	2.3 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	Terminal Panel
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3424M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	12.47 IN
Power Factor	74
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.	RM3120							
SPEC.	34K65-283							
HP	1.5							
VOLTS	208-230/460							
AMP	4.9-4.6/2.3							
RPM	3450							
FRAME	56HH	**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	L	**DES**	B	**CLASS**	B	
NEMA-NOM-EFF	80	**PF**	74					
RATING	40C AMB-CONT							
CC								
DE	6203	**ODE**	6203					
ENCL	OPEN	**SN**						
	SFA 5.3-5/2.5							

AC Induction Motor Performance Data
Record # 6569
Typical performance - not guaranteed values

Winding: 34WG0283-R001	**Type:** 3424M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			1.5	**Full Load Torque**	2.25 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			4.9-4.6/2.3	**Breakdown Torque**	10.6 LB-FT
R.P.M.			3450	**Pull-up Torque**	10 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	11.7 LB-FT
NEMA Design Code	B	**KVA Code**	L	**Starting Current**	18.4 A
Service Factor (S.F.)			1.15	**No-load Current**	1.4 A
NEMA Nom. Eff.	80	**Power Factor**	74	**Line-line Res. @ 25ºC**	8.53 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	71°C
S.F. Amps			5.3-5/2.5	**Temp. Rise @ S.F. Load**	83°C
				Locked-rotor Power Factor	67
				Rotor inertia	0.0223 LB-FT2

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	39	57	68	76	81	84	79
Efficiency	70.7	79.6	81.8	82.3	81.7	80.6	81.9
Speed	3564	3533	3501	3466	3429	3394	3444
Line amperes	1.5	1.7	2	2.3	2.7	3	2.54

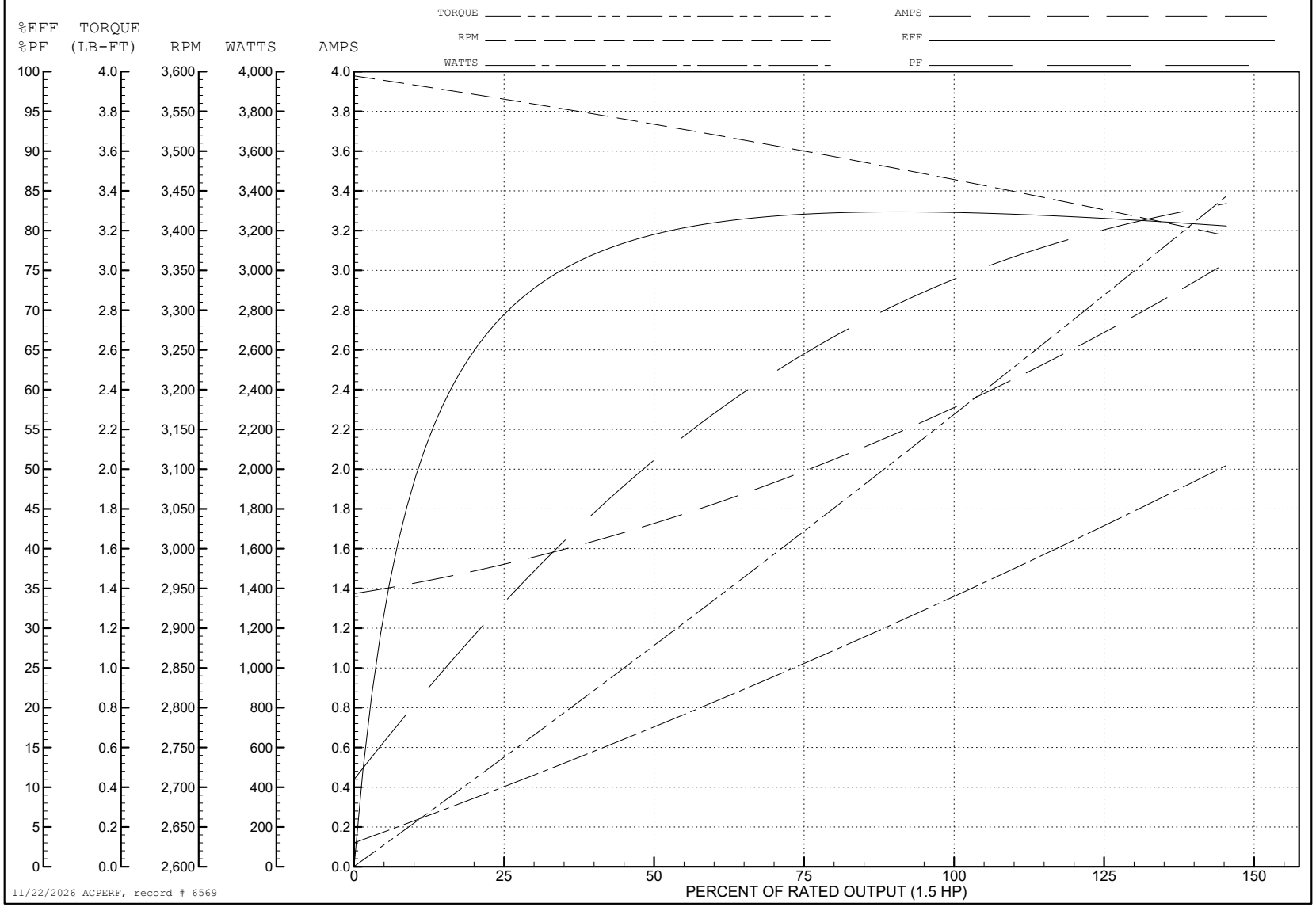
ABB Motors and Mechanical Inc.

WINDING # 34WG0283

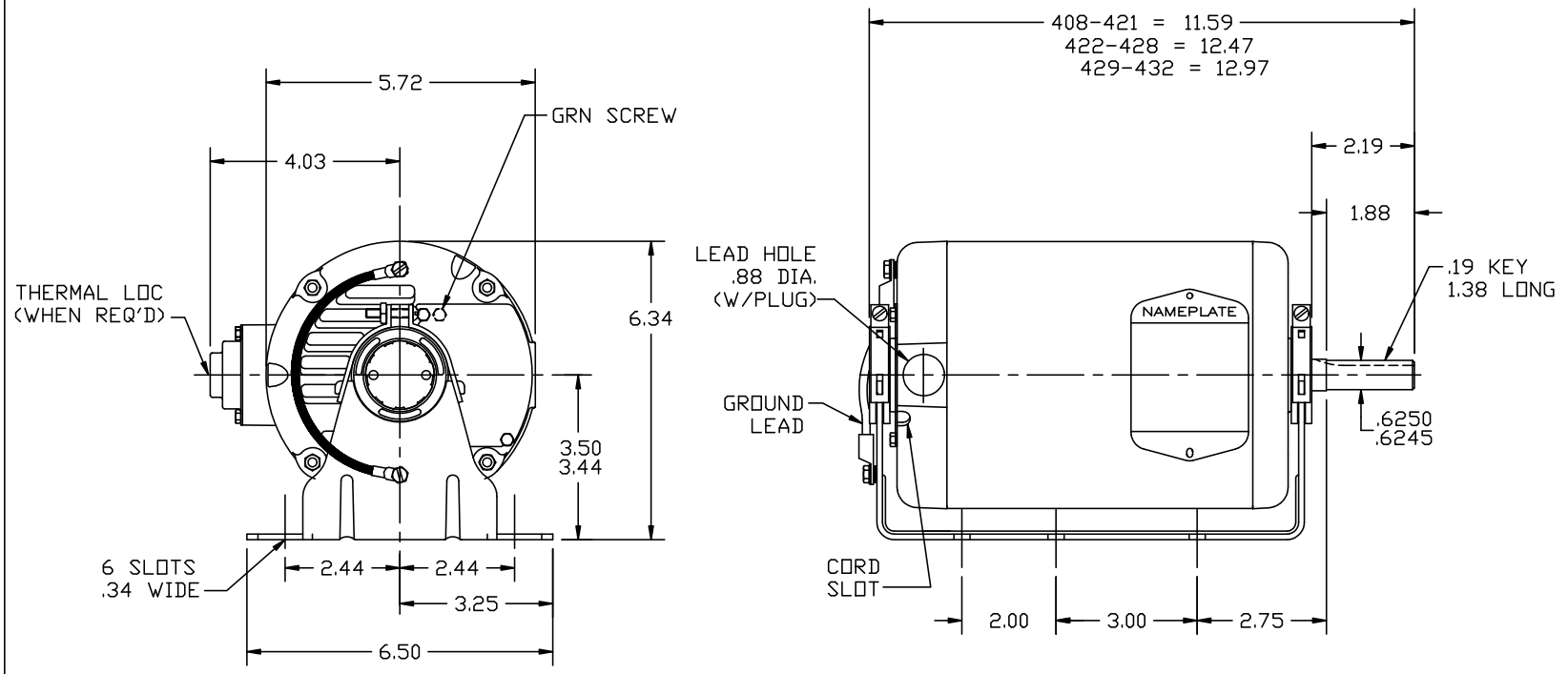
1.5 HP 3 PH 60 HZ 3450 RPM 460 V 3424M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=10.6 PU=10 LR=11.7 LRA=18.4



34K065



CUST. NAME	CUST. P.O.	CERTIFIED BY	MODEL	INSUL	AMB
H.P.	MTG	TYPE	R.P.M.	VOLTS	ENCL	PHASE	FREQ	FRAME
REMARKS:								
REV: D	MOVED TO ACAD							

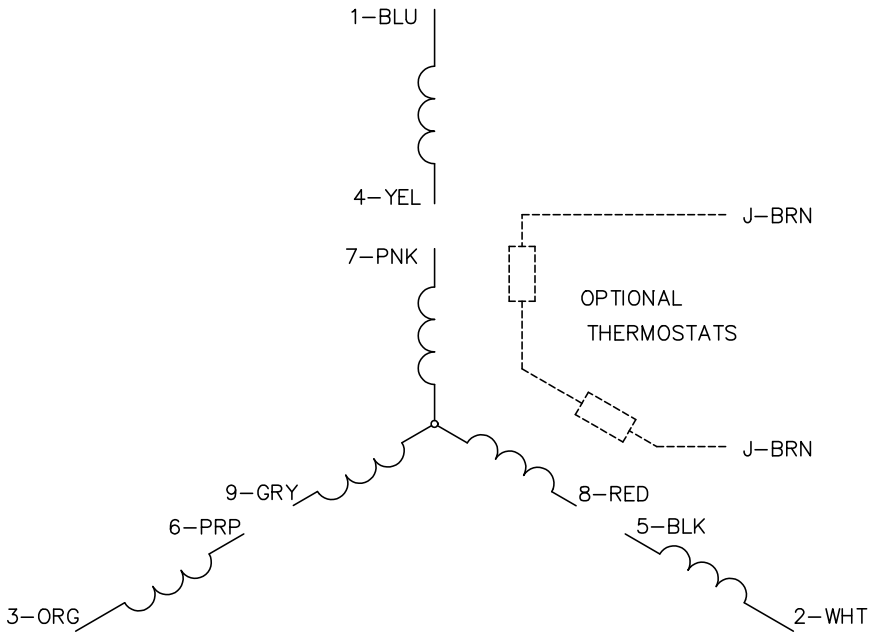
BALDOR ELECTRIC Co.

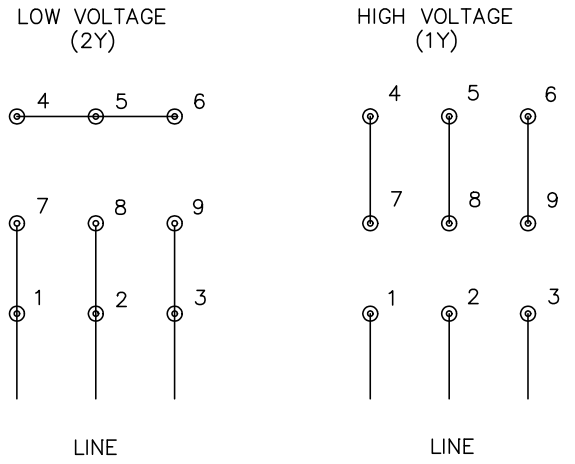
34K065	REF: 34K15	BY: MW	REVISED: 01/13/96
	FILE: AAA00026679		TDR: 0087130

STD RESIL MTD MODEL 34M NEMA 56H OPEN MTR W/TERM PANEL

34K065

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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS