ABB BALDOR RELIANCE

Customer information packet

34G794X269

1HP, 1725RPM, 3PH, 60HZ, 56C, 3426M, TEFC, F1, N
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	56C
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	1800 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	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	3.700 A @ 208.0 V
	3.400 A @ 230.0 V
	1.700 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	78.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	AA
Type	AC
Mech. spec.	34G794
Base	
Status	PRD/A
Elec. spec.	34WGX269
Layout	34LYG794
Eff. date	10-25-2024
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	01-01-0001

Heater Indicator	No Heater
High Voltage Full Load Amps	1.7 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	M
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3426M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	12.00 IN
Power Factor	71
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
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	1725 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor

Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1256L											
CAT.NO.											
SPEC.	34G794X269										
HP	1										
VOLTS	208-230/460										
AMP	3.7-3.4/1.7										
RPM	1725										
FRAME	56C		**HZ**	60			**PH**	3			
SER.F.	1.15	**CODE**	M	**DES**	B	**CLASS**		B			
NEMA-NOM-EFF	78.5	**PF**	71								
RATING	40C AMB-CONT										
CC											
DE	6203		**ODE**	6203							
ENCL	TEFC	**SN**									
	NOT FOR USE IN USA										

AC Induction Motor Performance Data
Record # 7286
Typical performance - not guaranteed values

Winding: 34WGX269-R001	**Type:** 3426M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			1	**Full Load Torque**	3 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			3.7-3.4/1.7	**Breakdown Torque**	12.7 LB-FT
R.P.M.			1725	**Pull-up Torque**	10.6 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	14.3 LB-FT
NEMA Design Code	B	**KVA Code**	M	**Starting Current**	13 A
Service Factor (S.F.)			1.15	**No-load Current**	1.2 A
NEMA Nom. Eff.	78.5	**Power Factor**	71	**Line-line Res. @ 25ºC**	13.2 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	79°C
S.F. Amps				**Temp. Rise @ S.F. Load**	94°C
				Locked-rotor Power Factor	53
				Rotor inertia	0.0619 LB-FT2

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	30	47	60	68	75	79	72
Efficiency	63.9	75.5	78.3	78.6	77.4	75.5	77.9
Speed	1781	1763	1745	1725	1702	1677	1711
Line amperes	1.23	1.33	1.5	1.72	1.97	2.27	1.87

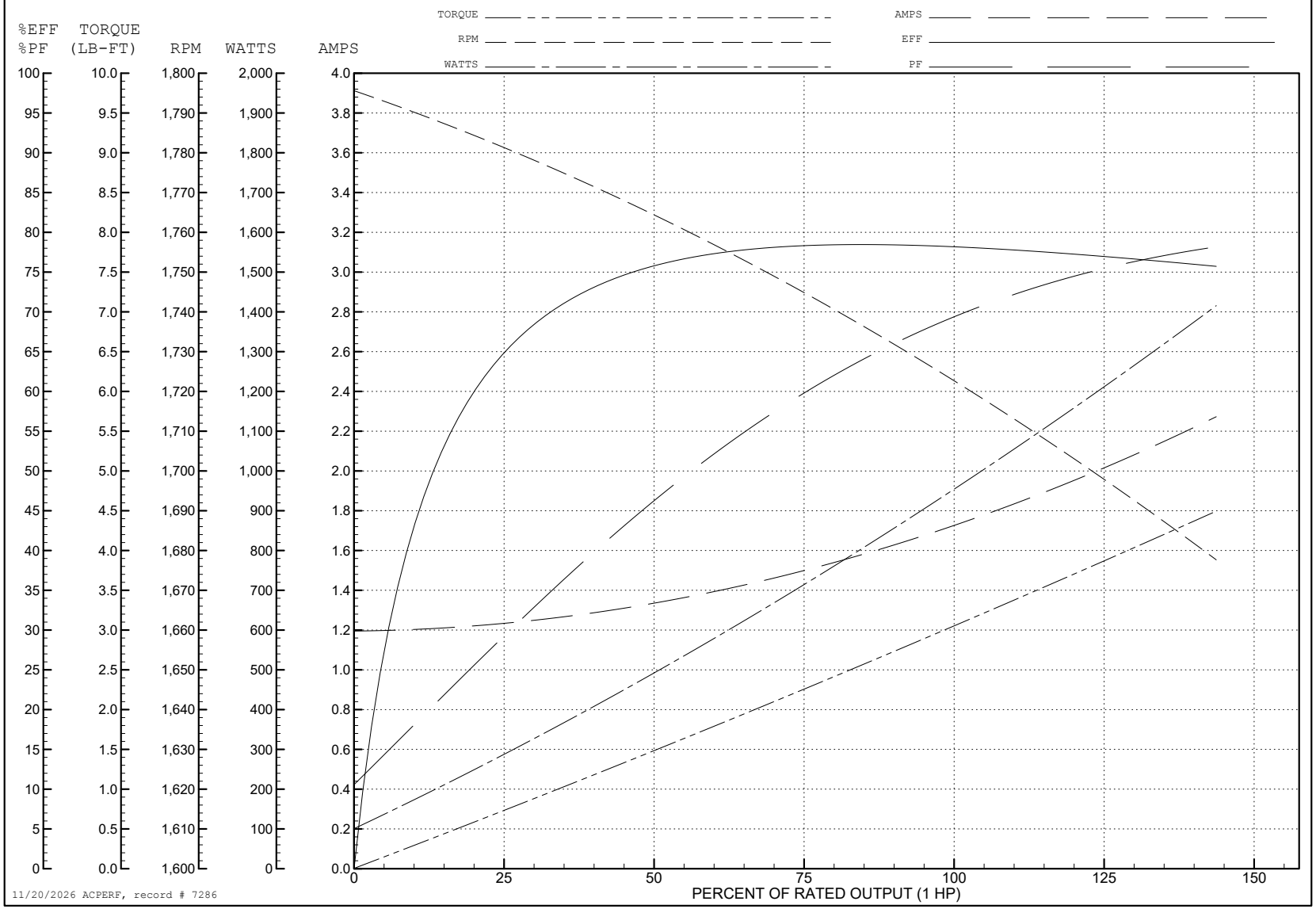
ABB Motors and Mechanical Inc.

WINDING # 34WGX269

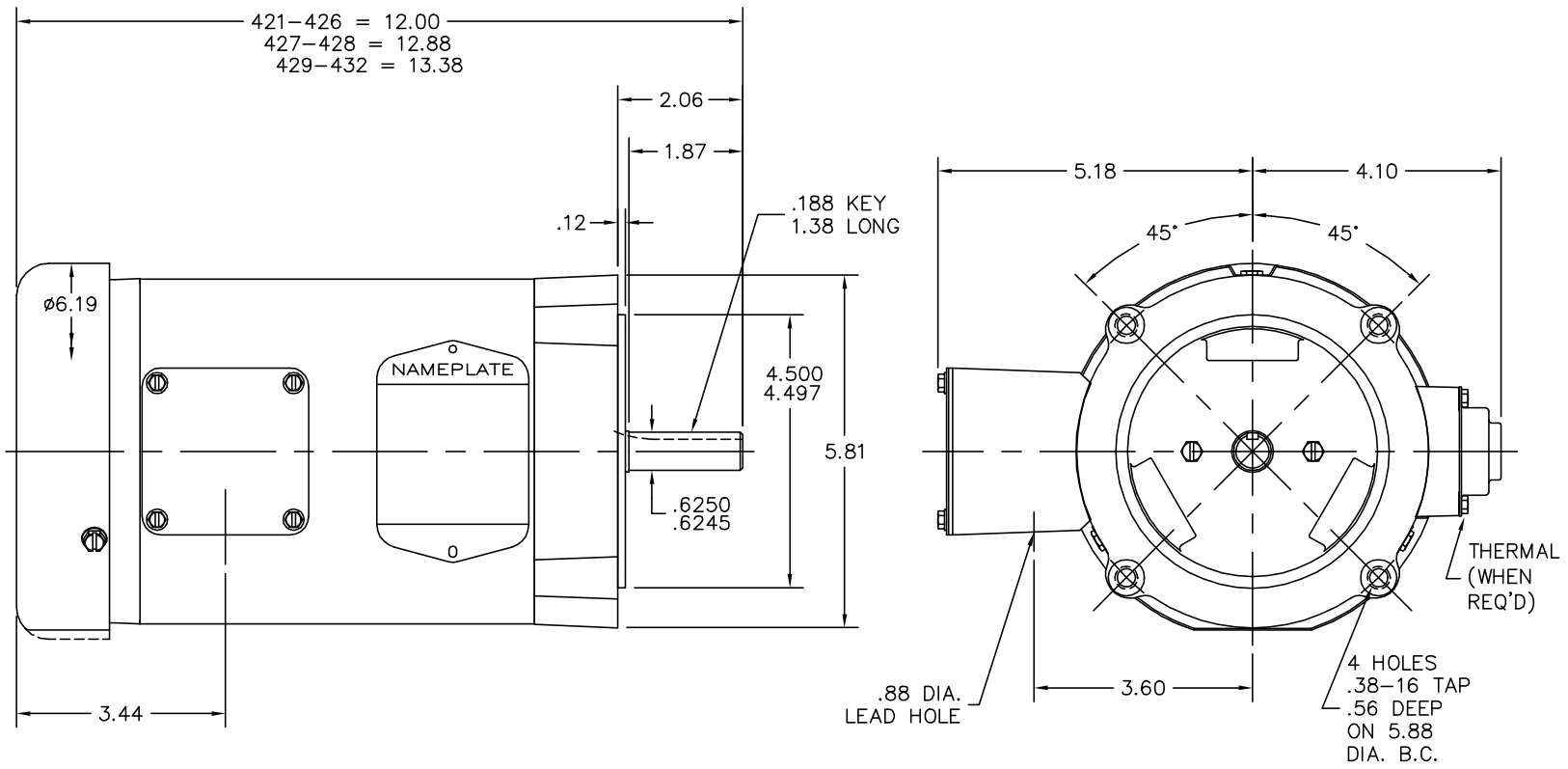
1 HP 3 PH 60 HZ 1725 RPM 460 V 3426M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=12.7 PU=10.6 LR=14.3 LRA=13



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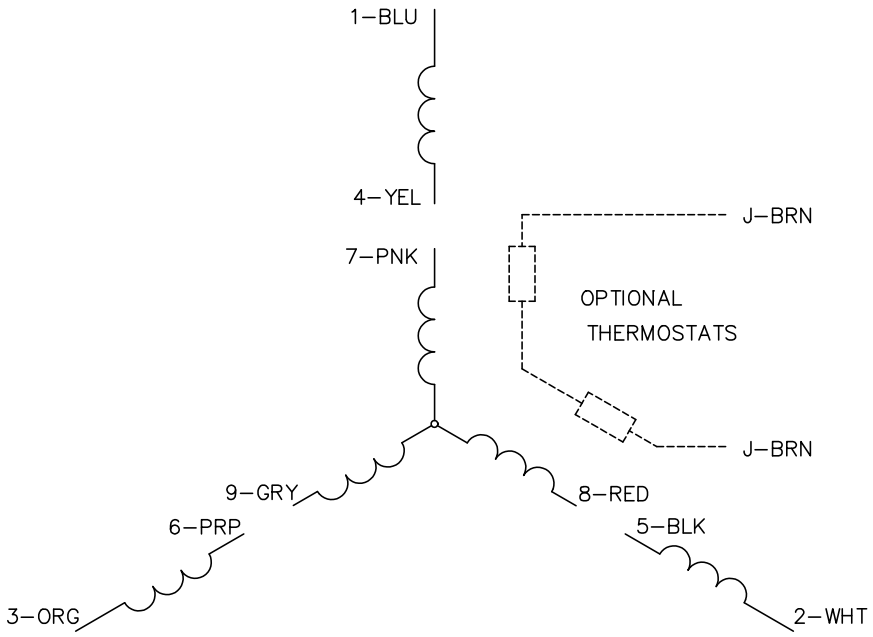
NOTE: FOR STANDARD
STACK SEE 34A063

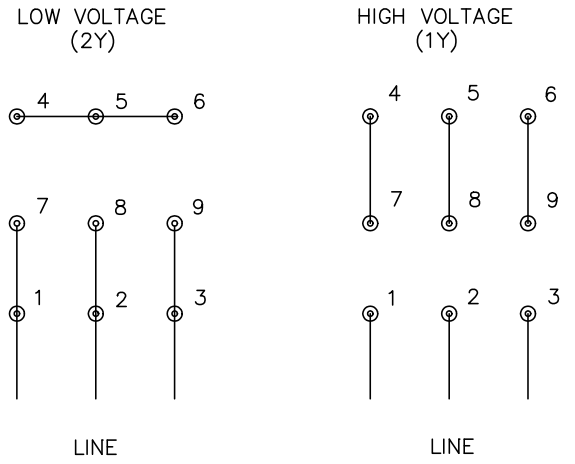
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: REMOVE 408–420 STACK			BALDOR
REV. LTR: D	VERSION: 04	TDR: 000000585193	
FILE: \AAA\00019\113		REVISED: 03:55:54 04/20/2011	VERT MODEL 34M NEMA 56C TEFC W/SPL STACKING
MTL: –		BY: ENTRUV0	SH 1 of 1

34LYG794

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