Customer information packet

PSC3416A

.33HP, 1625RPM, 1PH, 60HZ, 48Z, 3414C, TEAO, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEAO
Frame	48Z
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Oil Capacitor Start and Run
Output @ Frequency	.330 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	UR
	CSA
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	1.800 A @ 230.0 V
	3.600 A @ 115.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	62.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Terminal Panel
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	1.8 a

Part Detail

Revision	S
Type	AC
Mech. spec.	34G144
Base	
Status	PRD/A
Elec. spec.	34WGW426
Layout	34LYG144
Eff. date	04-30-2025
CD Diagram	CD0028
Poles	04
Leads	7#18
Proprietary	False
Created date	01-01-0001

Insulation Class	B
Inverter Code	Not Inverter
KVA Code	-
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Terminal Panel Or Lead Hole
Motor Lead Quantity/Wire Size	7 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3414C
Mounting Arrangement	F1
Number of Poles	4
Overall Length	11.34 IN
Power Factor	95
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	0.500 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1625 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	Automatic Thermal Overload
Winding Thermal 1 Location	SB

Nameplate

NP1257L								
CAT.NO.	PSC3416A							
SPEC.	34G144W426							
HP	.33 AIR OVER							
VOLTS	115/230							
AMP	3.6/1.8							
RPM	1625							
FRAME	48Z	**HZ**	60	**PH**	1			
SER.F.	1.00	**CODE**	-	**DES**	N	**CL**	B	
NEMA-NOM-EFF	62	**PF**	95					
RATING	40C AMB-CONT							
CC								
DE	6203	**ODE**	6203					
ENCL	TEAO	**SN**						

Parts List

Part number	Description	Quantity
SA006247	SA 34G144W426	1.000 ea
RA002993	RA 34G144W426	1.000 ea
OC3020F12SP	CAPACITORS 20 MFD 370 VAC	1.000 ea
RM1001A01	GROMMET "MIDSTATES"	1.000 ea
WD4100A01	DP-875 HEYCO PLUG OR 62MP0875 MICRO PLAS	1.000 ea
11XW0832G06	#8-32 X 3/8, TAPTITE II, HEX WSHR SLTD	1.000 ea
34EP3204A01SP	FR ENDPLATE, MACH	1.000 ea
SP1000A09	TERM BOARD, MODEL 34 SW, (RPL SP1000A01)	1.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
34EP3102A02SP	FR/PU ENDPLATE, MACH	1.000 ea
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 ea
34CB4501SP	TERMINAL BOX LID, STAMPED X (PLATED)	1.000 ea
34GS1005	GASKET, TERM PLATE LID	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.014 ga
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
33CB4800A01	CAPACITOR COVER, STAMPED	1.000 ea
35GS3001A01	GASKET, CAPACITOR COVER	1.000 ea
HA3100A17	THRUBOLT 10-32 X 9.000	4.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 ea
LC0008	CONNECTION LABEL	1.000 ea
NP1257L	ALUM UL CC THERMAL REV MTG	1.000 ea
35PA1066	PKG GRP, PRINT PK1008A07	1.000 ea
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	2.000 ea
PK3085X	FOAM SHAFT SUPPORT PRECUT 4-1/4 X 6-3/4	1.000 ea

AC Induction Motor Performance Data
Record # 6977
Typical performance - not guaranteed values

Winding: 34WGW426-R001	**Type:** 3414C	**Enclosure:** TEAO

Nameplate Data				**230 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			.33 AIR OVER	**Full Load Torque**	1 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			3.6/1.8	**Breakdown Torque**	2 LB-FT
R.P.M.			1625	**Pull-up Torque**	0.7 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	0.7 LB-FT
NEMA Design Code	N	**KVA Code**	-	**Starting Current**	5.5 A
Service Factor (S.F.)			1	**No-load Current**	0.9 A
NEMA Nom. Eff.	62	**Power Factor**	95	**Line-line Res. @ 25ºC**	10.7 Ω A Ph 10.7 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	

Load Characteristics 230 V, 60 Hz, 0.33 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	94	97	99	99	99	99
Efficiency	25.8	42.5	53.6	60.7	64.7	65.6
Speed	1759	1734	1705	1671	1628	1570
Line amperes	1.1	1.3	1.5	1.75	2.05	2.45

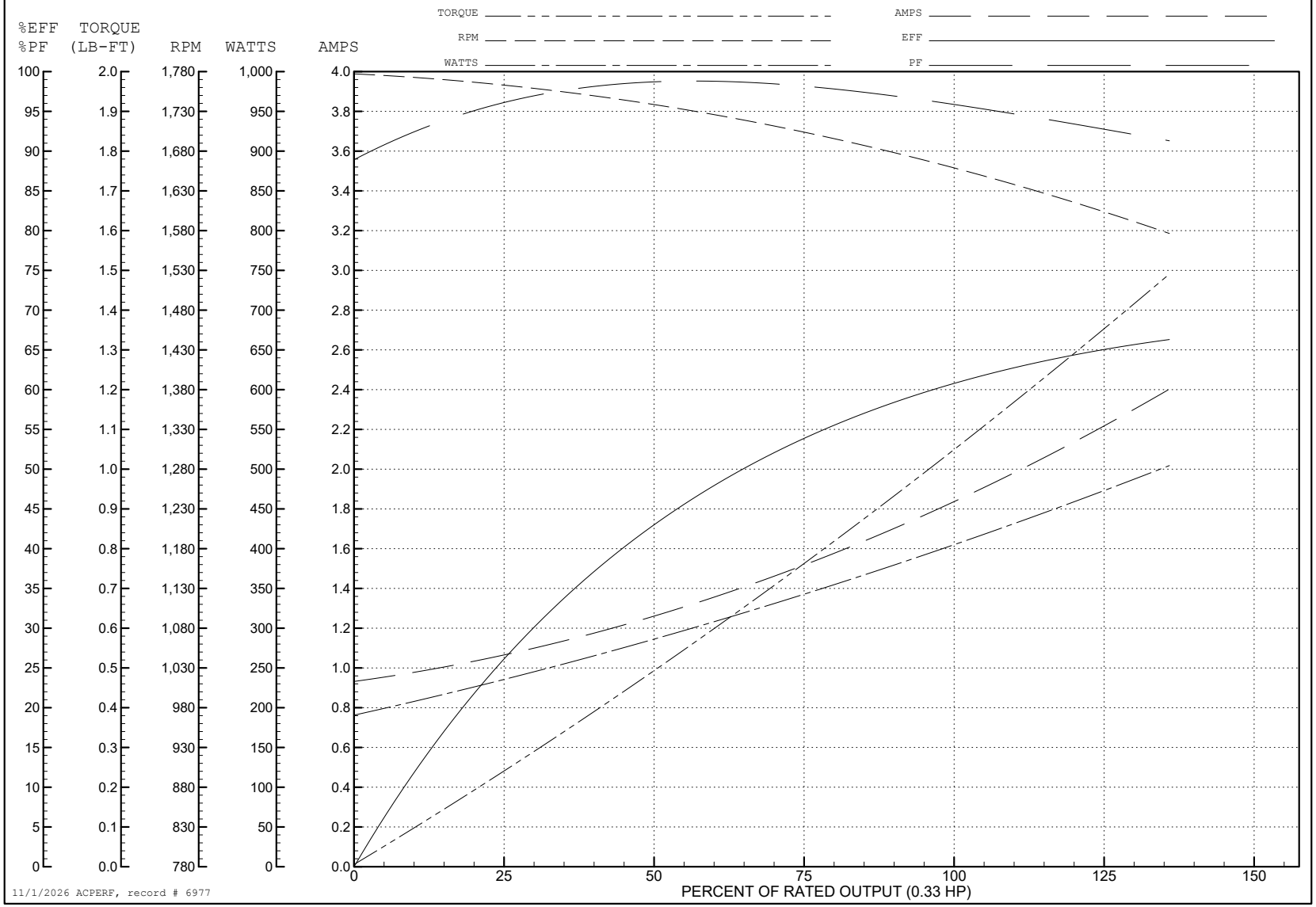
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WINDING # 34WGW426

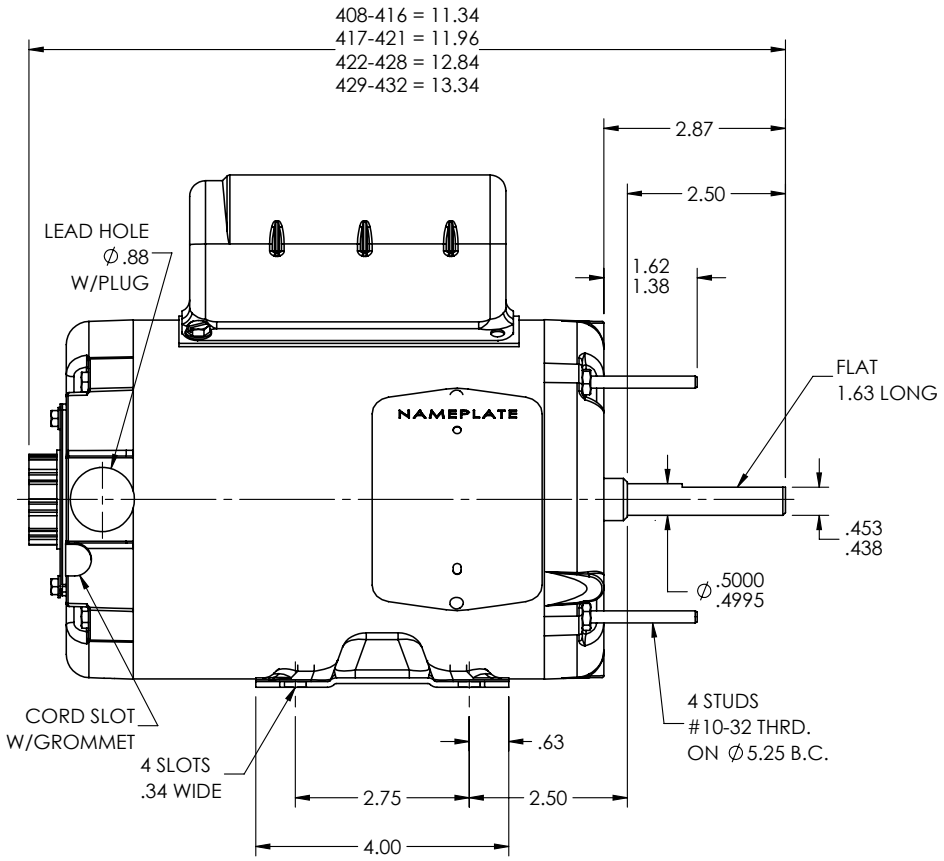
0.33 HP 1 PH 60 HZ 1625 RPM 230 V 3414C

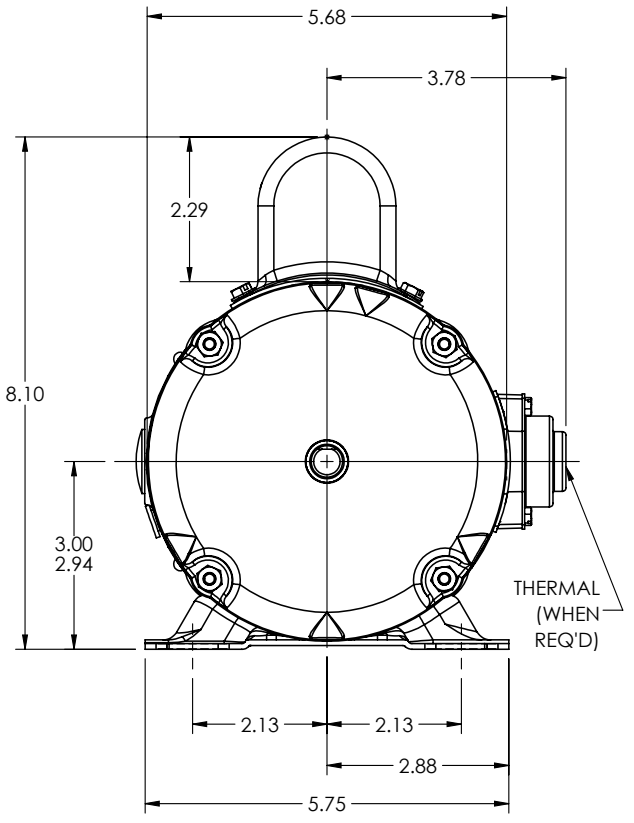
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=2 PU=0.7 LR=0.7 LRA=5.5



34LYG144





34LYG144

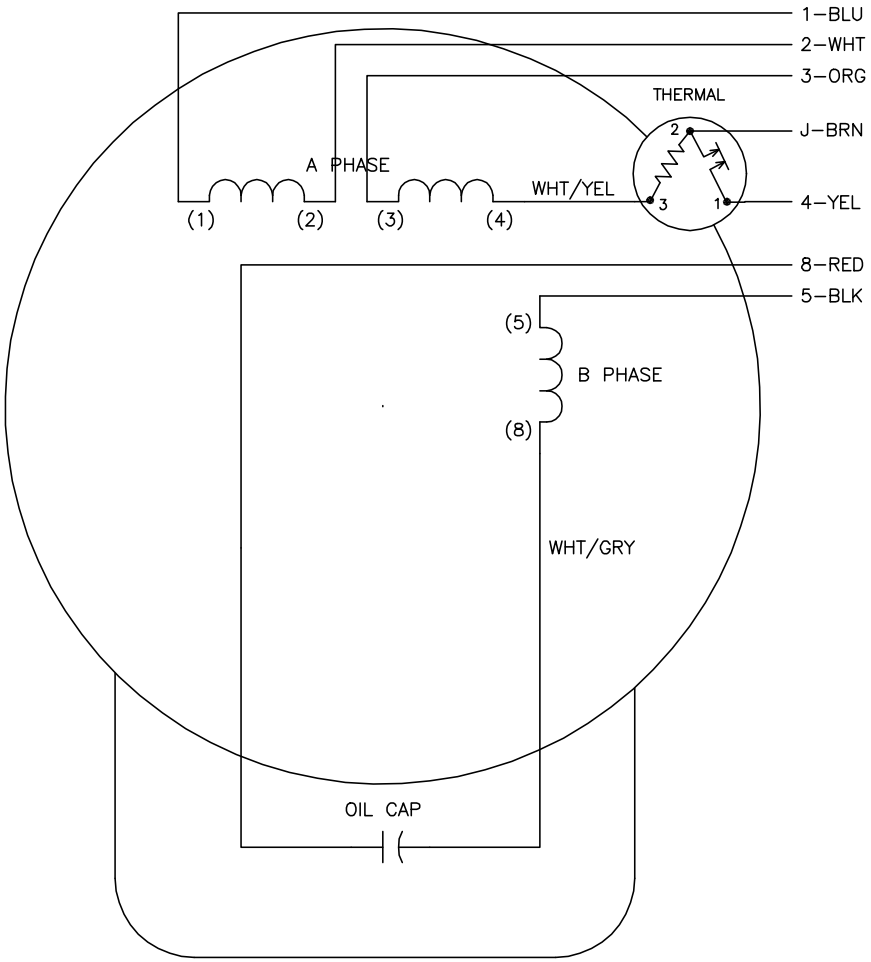
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: LOAD TO SOLIDWORKS - REV E			
REV: F	VERSION: 02	REVISED: 10:15:24 03/15/2023	TDR: 000001201165
34LYG144	MODEL NO. 34LYG144		REF: -
	BY: ENFRAJ0		

BALDOR - RELIANCE®

HORZ MODEL 34C NEMA 48Z TENV W/EXTENDED T-BOLTS & TERM PANEL

CD0028



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1	4	2,3,8	J,5
HIGH OPP	1	4	2,3,5	J,8
LOW STD	1,3,8	4	–	2,J,5
LOW OPP	1,3,5	4	–	2,J,8

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0028

REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION			BALDOR ELECTRIC Co.
REV. LTR: E	VERSION: 01	TDR: 000000373051	
CD0028	FILE: \AAA\00007\413	REVISED: 15:17:57 09/07/2005	TYPE C, DV, REV, THERMAL, 7 LEADS
	MTL: –	BY: ENJOEP0	