ABB BALDOR RELIANCE

Customer information packet

ANFL3507M

.75HP, 1725RPM, 1PH, 60HZ, 48YZ, 3428LC, TEFC
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	48YZ
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	.750 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	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	4.100 A @ 230.0 V
	5.400 A @ 208.0 V
	8.200 A @ 115.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	74.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	Multiple Flats
Heater Indicator	No Heater

Part Detail

Revision	N
Type	AC
Mech. spec.	34M899
Base	
Status	PRD/A
Elec. spec.	34WGX030
Layout	34LYM899
Eff. date	07-25-2024
CD Diagram	CD0320
Poles	04
Leads	6#18,1#16 #4TH
Proprietary	False
Created date	11-23-2016

High Voltage Full Load Amps	4.1 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3428LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	13.32 IN
Power Factor	80
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Oil Burner Flange
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.25
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	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	Manual Thermal Overload

Winding Thermal 1 Location	KO

Nameplate

	NP1280L							
CAT.NO.	ANFL3507M							
SPEC.	34M899X030G1							
HP	.75							
VOLTS	115/230							
AMP	8.2/4.1							
RPM	1725							
FRAME	48YZ	**HZ**	60		**PH**	1		
SER.F.	1.25	**CODE**	J	**DES**	N	**CL**	B	
NEMA-NOM-EFF	74	**PF**	80					
RATING	40C AMB-CONT							
CC								
DE	6203	**ODE**	6203					
ENCL	TEFC	**SN**						
	SFA 9.8/4.9							

AC Induction Motor Performance Data
Record # 7187
Typical performance - not guaranteed values

Winding: 34WGX030-R001	**Type:** 3428LC	**Enclosure:** TEFC

Nameplate Data				**230 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			.75	**Full Load Torque**	2.25 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			8.2/4.1	**Breakdown Torque**	5.7 LB-FT
R.P.M.			1725	**Pull-up Torque**	4.7 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	7.5 LB-FT
NEMA Design Code	N	**KVA Code**	J	**Starting Current**	31 A
Service Factor (S.F.)			1.25	**No-load Current**	2.7 A
NEMA Nom. Eff.	74	**Power Factor**	80	**Line-line Res. @ 25ºC**	3.11 Ω A Ph 1.73 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	62°C
S.F. Amps			9.8/4.9	**Temp. Rise @ S.F. Load**	81°C

Load Characteristics 230 V, 60 Hz, 0.75 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	43	61	72	80	85	87	0
Efficiency	53.6	67.7	73	73.9	93.2	71.4	0
Speed	1784	1770	1755	1739	1717	1694	0
Line amperes	2.7	3	3.5	4.1	4.9	5.8	4.9

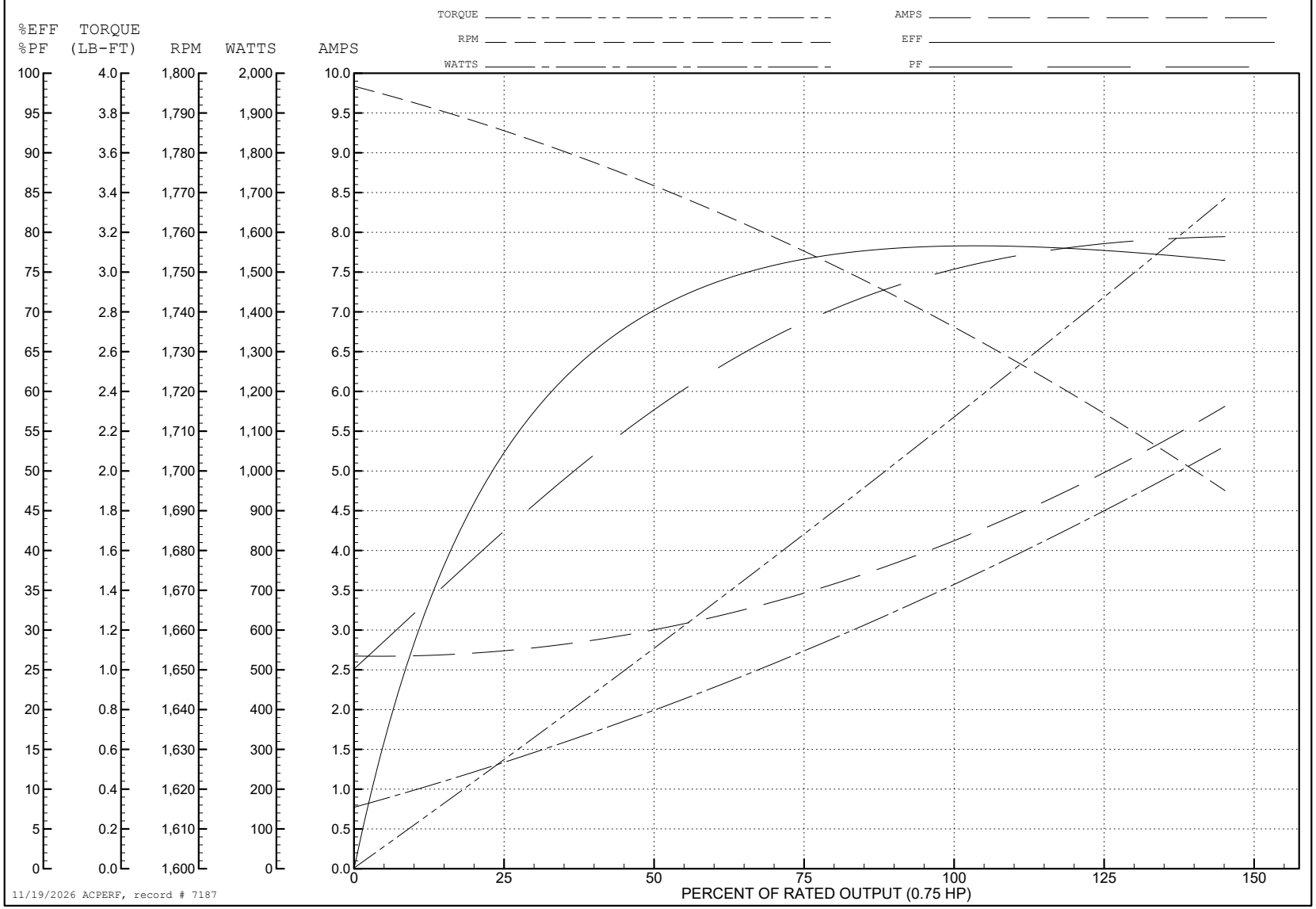
ABB Motors and Mechanical Inc.

WINDING # 34WGX030

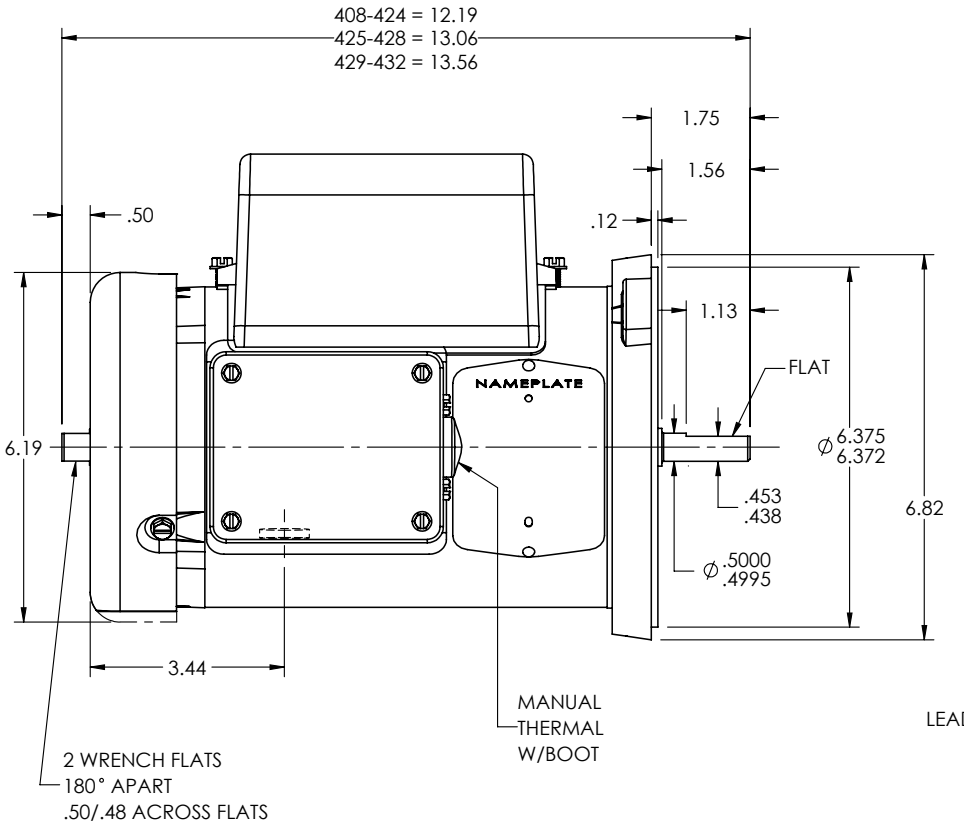
Typical performance - not guaranteed values.

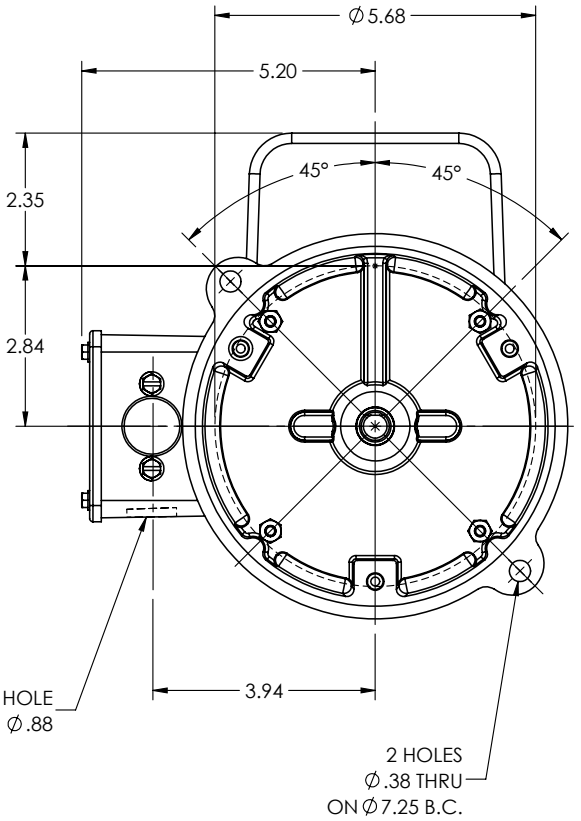
0.75 HP 1 PH 60 HZ 1725 RPM 230 V 3428LC

TORQUES(LB-FT): PO=5.7 PU=4.7 LR=7.5 LRA=31



34LYM899





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

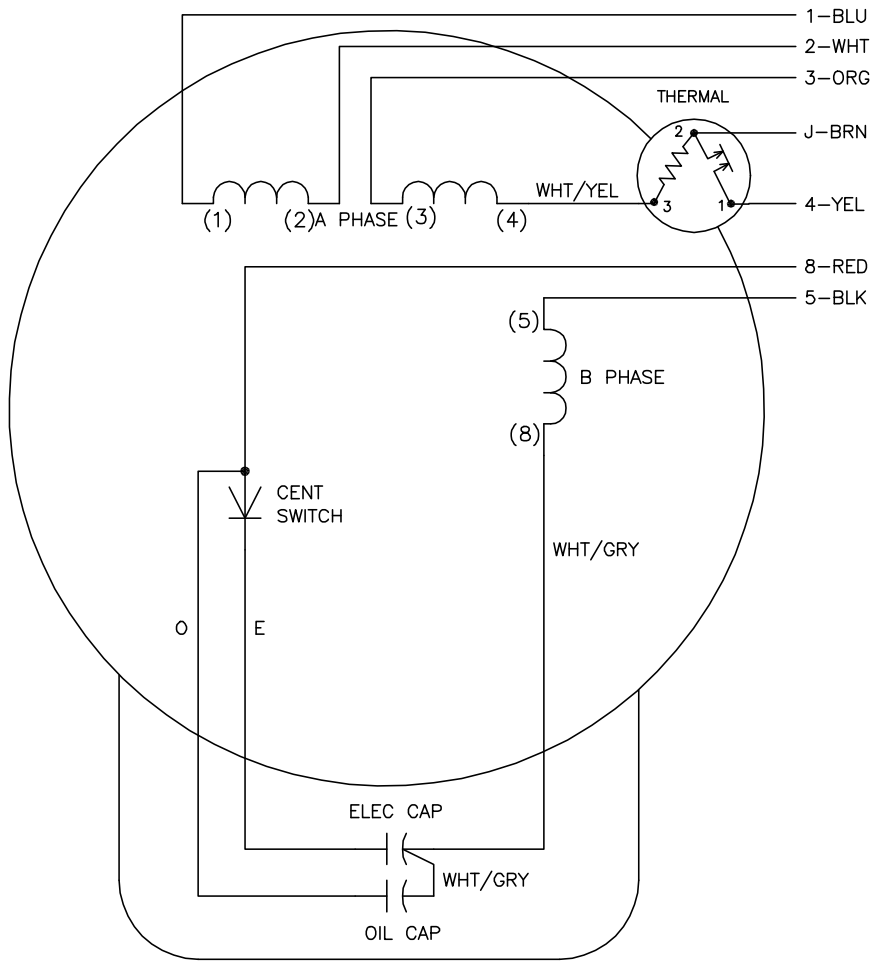
REV. DESC: UPDATE SHAFT FLAT DIM FROM 1.31 TO 1.13			
REV: B	VERSION: 02	REVISED: 10:21:24 08/30/2023	TDR: 000001215627
34LYM899	MODEL NO. 34LYM899		REF: -
	BY: ENJEFD0		

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VERT 34L 48YZ TEFC DBL SH,MTO IN KOBX,OVRSPD GUARD,V=1.75

34LYM899

CD0320



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

CD0320

REV. DESC: ADD INTERNAL CONNECTION TO HELP MANUFACTURING		
REV. LTR: G	VERSION: 01	TDR: 000000941594
FILE: \AAA\00007\422	REVISED: 02:21:00 08/28/2015	BY: ENALEMO
MTL: –		

BALDOR

TYPE LC, DV, REV, THERMAL, B PH AMPS THRU HTR HVC, 7 LEAD

SH 1 of 1