



Product Information Packet

L3507A

.75HP,1725RPM,1PH,60HZ,56,3428LC,TEFC,F1

Part Detail							
Revision:	W	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WGW998	CD Diagram:	CD0320	Mfg Plant:	
Mech. Spec:	34G426	Layout:	34LYG426	Poles:	04	Created Date:	
Base:	RG	Eff. Date:	04-22-2021	Leads:	6#18,1#16 #4TH		

Specs			
Catalog Number:	L3507A	Insulation Class:	B
Enclosure:	TEFC	Inverter Code:	Not Inverter
Frame:	56	KVA Code:	L
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Motor Letter Type:	Cap Start, Cap Run	Locked Bearing Indicator:	No Locked Bearing
Output @ Frequency:	.750 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	6 @ 18 AWG
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	115.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	230.0 V @ 60 HZ	Motor Type:	3428LC
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	80
Agency Approvals:	UR	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT
Blower:	None	Shaft Extension Location:	Pulley End

Current @ Voltage:	4.100 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	5.400 A @ 208.0 V	Shaft Rotation:	Reversible
	8.200 A @ 115.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	N	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	None
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	Automatic Thermal Overload
Heater Indicator:	No Heater	Winding Thermal 1 Location:	SB
		Winding Thermal 2:	None

Nameplate NP1257L

CAT.NO.	L3507A										
SPEC.	34G426W998										
HP	.75										
VOLTS	115/230										
AMP	8.2/4.1										
RPM	1725										
FRAME	56					HZ 60				PH 1	
SER.F.	1.25			CODE	L		DES	N		CL B	
NEMA-NOM-EFF	74			PF	80						
RATING	40C AMB-CONT										
CC									USABLE AT 208V	5.4	
DE	6203				ODE	6203					
ENCL	TEFC			SN							
	SFA 9.8/4.9										

AC Induction Motor Performance Data

Record # 7176

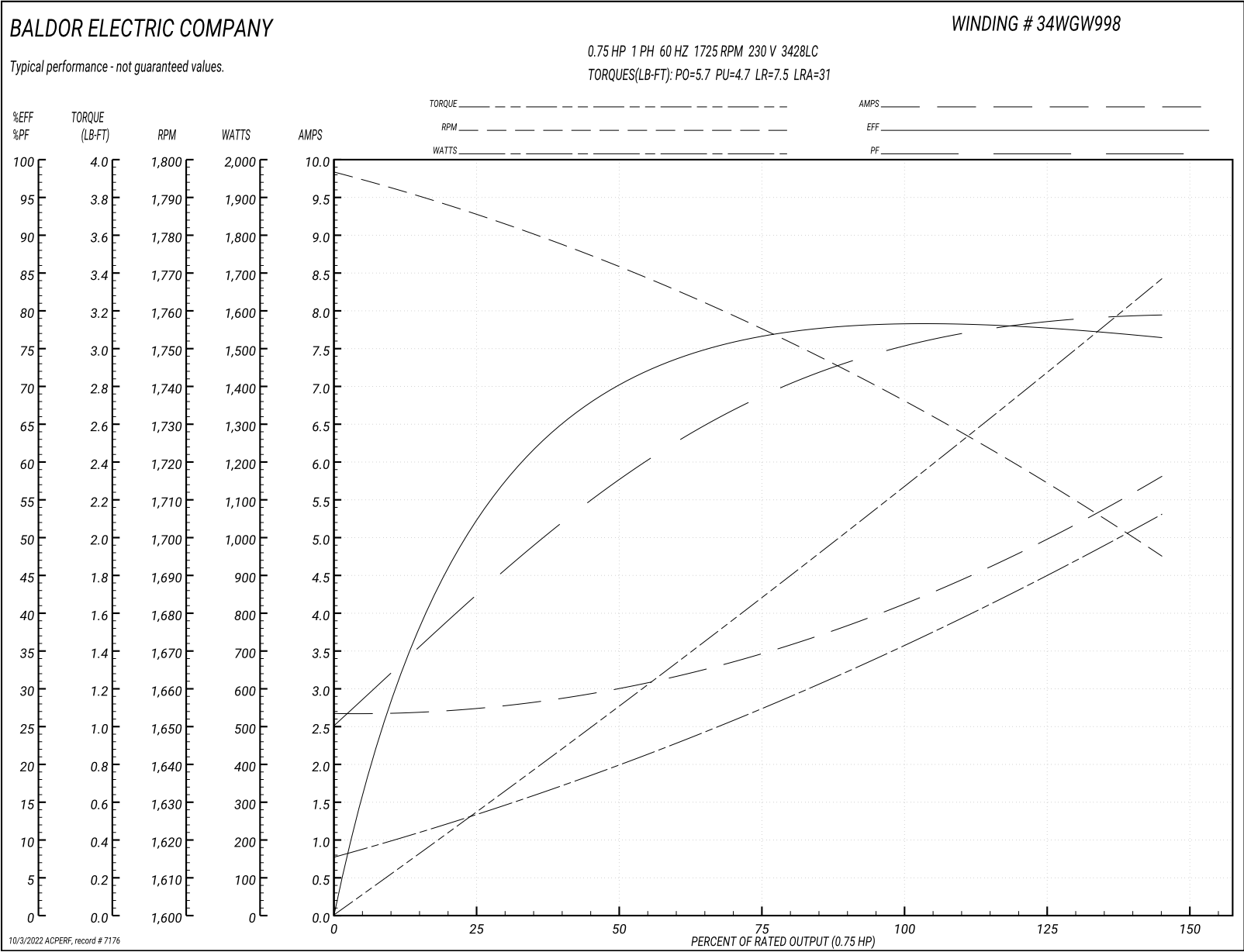
Typical performance - not guaranteed values

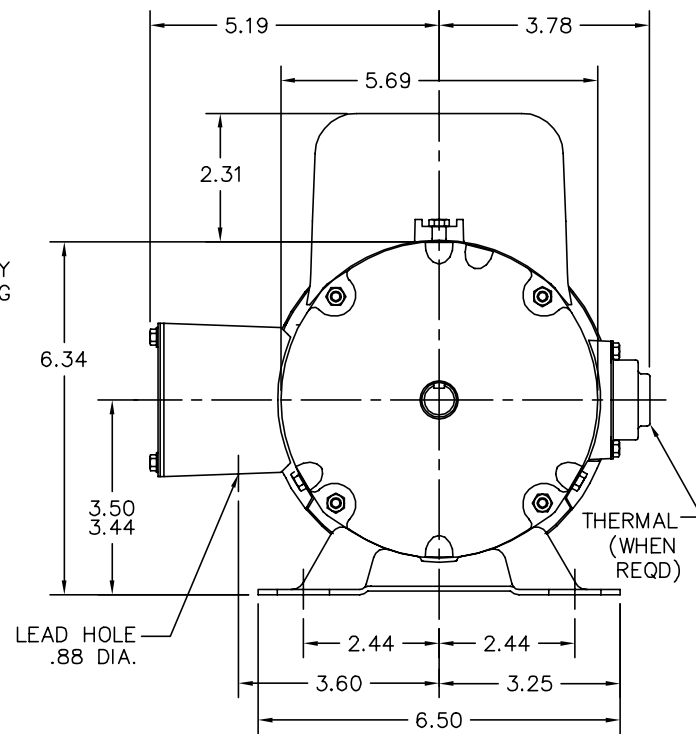
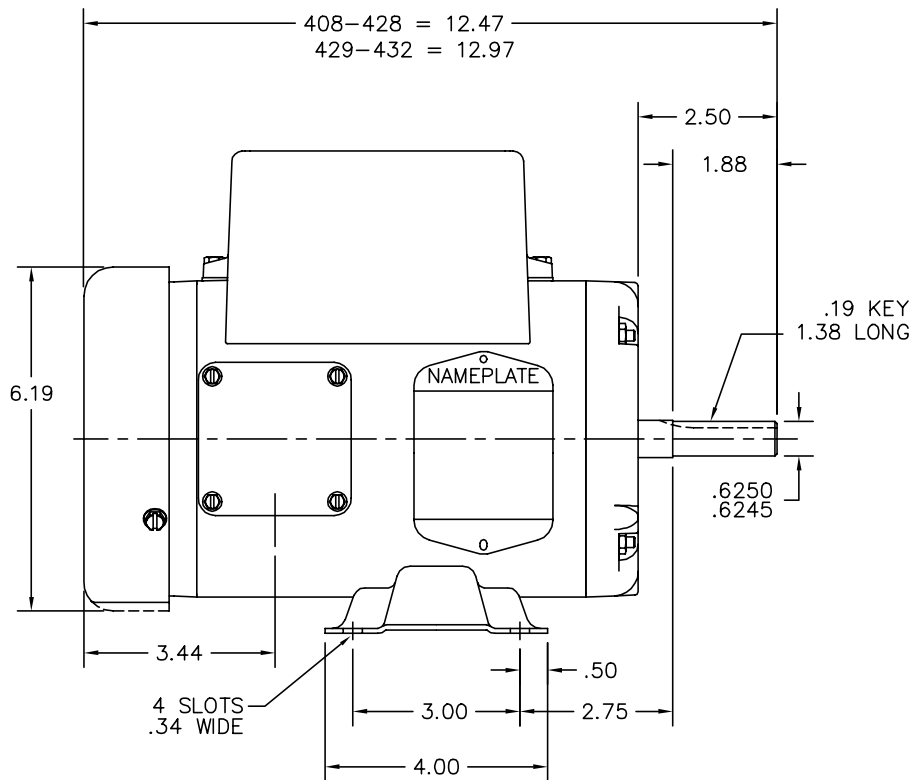
Winding: 34WGW998-R001			Type: 3428LC		Enclosure: TEFC			
Nameplate Data			230 V, 60 Hz: High Voltage Connection					
Rated Output (HP)		.75	Full Load Torque		2.25 LB-FT			
Volts		115/230	Start Configuration		direct on line			
Full Load Amps		8.2/4.1	Breakdown Torque		5.7 LB-FT			
R.P.M.		1725	Pull-up Torque		4.7 LB-FT			
Hz	60	Phase	1	Locked-rotor Torque		7.5 LB-FT		
NEMA Design Code		N	KVA Code	L	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. @ 25°C		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

Performance Graph at 230V, 60Hz, 0.75HP Typical performance - Not guaranteed values





CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: UPDATED DRAWING			
REV. LTR: B	VERSION: 01	TDR: 000000423571	
34LYG426	FILE: \AAA\00038\529	REVISED: 14:29:57 02/26/2007	
	MTL: -		BY: ENROSTO

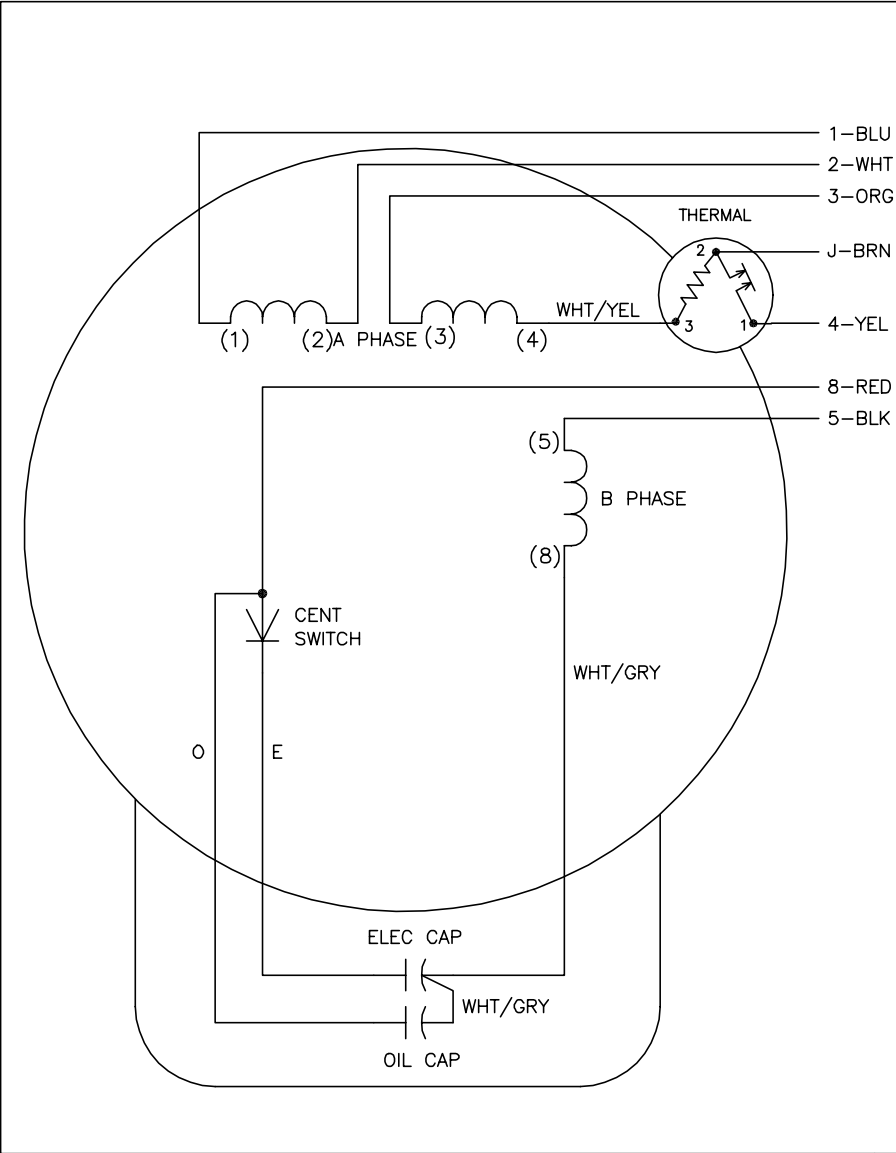
BALDOR ELECTRIC Co.

SPL H0RZ 34LC NEMA 56 TEFC

34LYG426

34LYG426

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	