ABB BALDOR RELIANCE

Customer information packet

UCME1014

10-14 AIR OVERHP, 3450RPM, 3PH, 60HZ, 215Z, 3
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEAO
Frame	215Z
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	10.000 HP @ 60 HZ
	14.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 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	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	35.000 A @ 208.0 V
	33.000 A @ 230.0 V
	16.500 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	N
Type	AC
Mech. spec.	37N422
Base	
Status	PRD/A
Elec. spec.	37WGY842
Layout	37LYN422
Eff. date	01-02-2025
CD Diagram	CD0005
Poles	02
Leads	9#14 32" long Y
Proprietary	False
Created date	03-07-2014

Heater Indicator	No Heater
High Voltage Full Load Amps	16.5 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Pipe Or Pipe Adaptor
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3734M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	16.69 IN
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	Standard
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3450 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None

Winding Thermal 2	None

Nameplate

NP1279L											
CAT.NO.	UCME1014										
SPEC.	37N422Y842G1										
HP	10-14 AIR OVER										
VOLTS	208-230/460										
AMP	35-33/16.5										
RPM	3450										
FRAME	215Z	**HZ**	60		**PH**	3					
SER.F.	1.00	**CODE**	H	**DES**	B		**CL**	F			
NEMA-NOM-EFF		**PF**									
RATING	40C AMB-CONT										
CC											
DE	6307	**ODE**	6206								
ENCL	TEAO	**SN**									

NP3114L									
CAT.NO.	UCME1014								
SPEC.	37N422Y842G1								
HP	10-14 AIR OVER								
VOLTS	208-230/460								
AMP	35-33/16.5								
RPM	3450								
FRAME	215Z	**HZ**	60		**PH**	3			
SER.F.	1.00	**CODE**	H	**DES**	B	**CL**	F		
NEMA-NOM-EFF		**PF**							
RATING	40C AMB-CONT								
CC				**USABLE AT 208V**			N/A		
DE	6307	**ODE**	6206						
ENCL	TEAO	**SN**							

Accessories

Part number	Description	Multiplier
37-3301FD	C FACE KIT FARM DUTY 213-5TC, ENCL, 6307	A8

AC Induction Motor Performance Data
Record # 12585
Typical performance - not guaranteed values

Winding: 37WGY842-R001	**Type:** 3734M	**Enclosure:** TEAO

Nameplate Data			**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)		10-14 AIR OVER	**Full Load Torque**	21.28 LB-FT
Volts		208-230/460	**Start Configuration**	direct on line
Full Load Amps		35-33/16.5	**Breakdown Torque**	69.05 LB-FT
R.P.M.		3450	**Pull-up Torque**	36.52 LB-FT
Hz	60 **Phase**	3	**Locked-rotor Torque**	42.6 LB-FT
NEMA Design Code	B **KVA Code**	H	**Starting Current**	122 A
Service Factor (S.F.)		1	**No-load Current**	4.67 A
NEMA Nom. Eff.	0 **Power Factor**	0	**Line-line Res. @ 25ºC**	0.776 Ω
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	
			Locked-rotor Power Factor	34.9
			Rotor inertia	0.311 LB-FT2

Load Characteristics 460 V, 60 Hz, 14 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	66	83	88	90	91	90
Efficiency	82.9	88.6	89.8	89.5	88.3	86.6
Speed	3574	3552	3527	3499	3467	3429
Line amperes	6.18	9.17	12.66	16.46	20.53	24.92

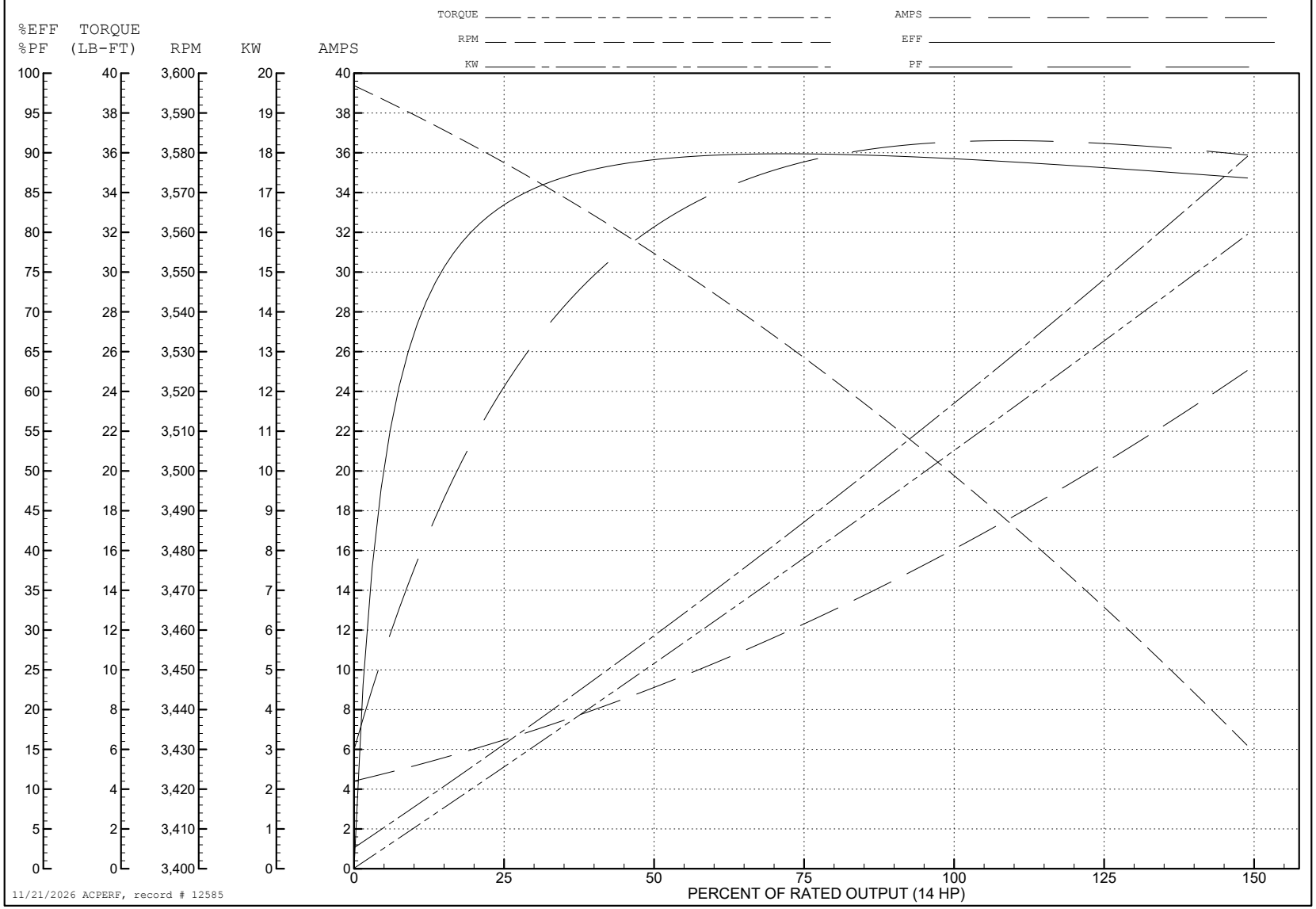
ABB Motors and Mechanical Inc.

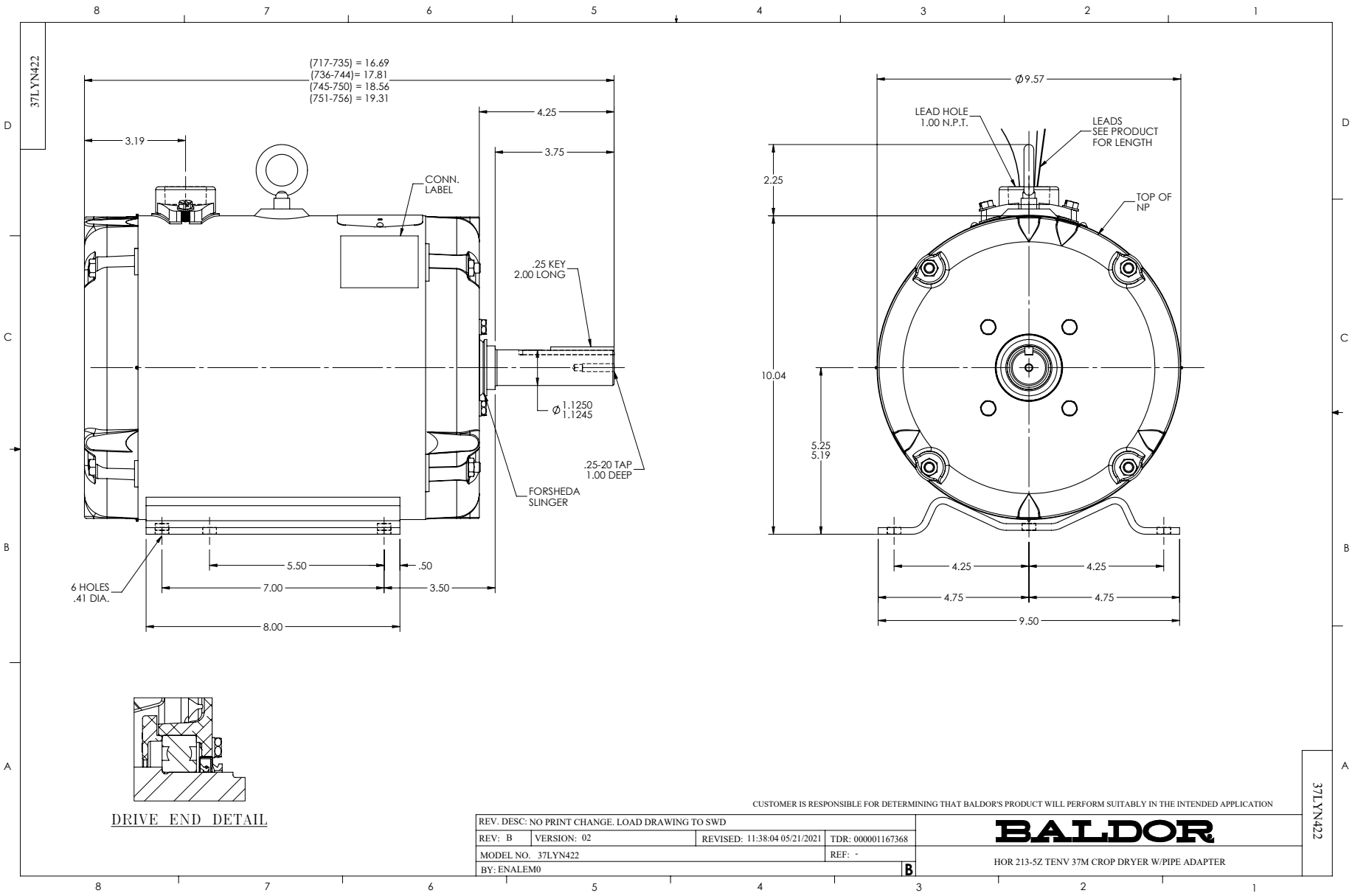
WINDING # 37WGY842

14 HP 3 PH 60 HZ 3450 RPM 460 V 3734M

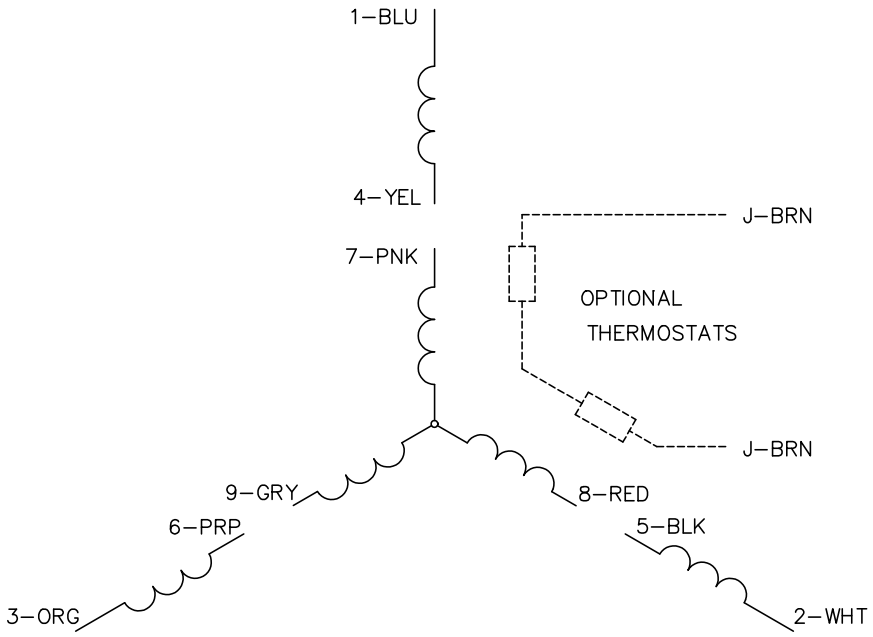
Typical performance - not guaranteed values.

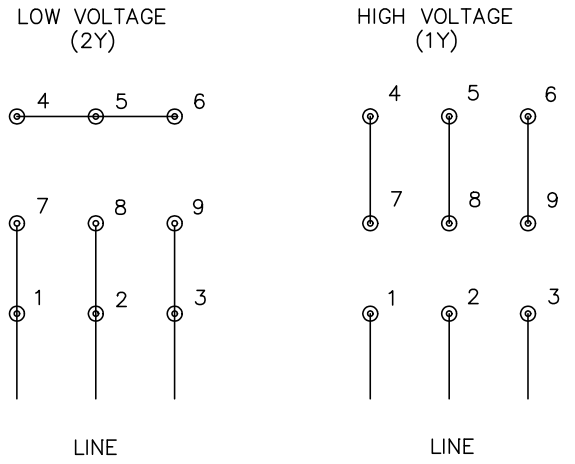
TORQUES(LB-FT): PO=69.05 PU=36.52 LR=42.6 LRA=122




37LYN422
(717-735) = 16.69
(736-744)= 17.81
(745-750) = 18.56
(751-756) = 19.31
3.19
4.25
3.75
CONN. LABEL
.25 KEY
2.00 LONG
Ø 1.1250
1.1245
.25-20 TAP
1.00 DEEP
FORSHEDA
SLINGER
6 HOLES
.41 DIA.
5.50
.50
7.00
3.50
8.00
Ø 9.57
LEAD HOLE
1.00 N.P.T.
LEADS
SEE PRODUCT
FOR LENGTH
TOP OF
NP
2.25
10.04
5.25
5.19
4.25
4.25
4.75
4.75
9.50
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: NO PRINT CHANGE. LOAD DRAWING TO SWD
REV: B
VERSION: 02
REVISED: 11:38:04 05/21/2021
TDR: 000001167368
MODEL NO. 37LYN422
REF: -
BY: ENALEM0
B
BALDOR
HOR 213-5Z TENV 37M CROP DRYER W/PIPE ADAPTER
37LYN422

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