BALDOR • RELIANCE

Customer information packet

CCPX18326T

3HP, 3470//2890RPM, 3PH, 60HZ, 182TC, XPFC, F1
Class - CLI GP C,D; CLII GP E,F,G
Division - Division I

4/7/2025 8:09:49 AM

Specifications

Enclosure	XPFC
Frame	182TC
Frame Material	Iron
Frequency	50.00 Hz
	60.00 Hz
Haz Area Class and Group	CLI GP C,D; CLII GP E,F,G
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	2.000 HP @ 50 HZ
	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	190.0 V @ 50 HZ
	460.0 V @ 60 HZ
	380.0 V @ 50 HZ
Agency Approvals	UL
	CSA EEV
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Constant Torque Speed Range	6
Current @ Voltage	7.600 A @ 230.0 V
	6.400 A @ 190.0 V
	3.800 A @ 460.0 V
	3.200 A @ 380.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT

Part detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	06WGY471
Layout	06LYK422
Eff. date	05-02-2024
CD Diagram	CD0005
Poles	02
Leads	9#16
Proprietary	False
Created date	04-17-2019

Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	3.2 a
Insulation Class	F
Inverter Code	Not Inverter
IP Rating	IP55
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	5400 rpm
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0618M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	18.33 IN
Power Factor	89
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	None
RoHS Status	ROHS NON-COMPLIANT
Service Factor	1.00
Shaft Diameter	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	3470 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

NP2033XPSLEV											
NO.					**CC**	010A					
S/N					**TEMP CODE**	T3C					
SPEC.	06-0000-0105				**INV.TYPE**	PWM					
CAT.NO.	CCPX18326T				**C HP FR**	60	**C HP TO**	90			
HP	3//2				**CT HZ FROM**	6	**CT HZ TO**	60			
VOLTS	230/460//190/380				**VT HZ FROM**	6	**VT HZ TO**	60			
AMPS	7.6/3.8//6.4/3.2			**MAG CUR**	3.2/1.6						
RPM	3470//2890			**MX RPM**	5400						
HZ	60//50	**PH**	3	**CL**	B	**NOM.EFF.**	86.5				
SER.F.	1.00	**DES**	B	**SL HZ**		**WK2**	0.079				
FRAME	182TC	**RATING**	40C AMB-CONT								
BLANK	1.15 SF SINEWAVE										
	55C AMB @ 1.0 SF				NEMA MG-1 PT 5,IP55						

AC Induction Motor Performance Data
Record # 69211
Typical performance - not guaranteed values

Winding: 06WGY471-R002	**Type:** 0618M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			3//2	**Full Load Torque**	4.51 LB-FT
Volts			230/460//190/380	**Start Configuration**	direct on line
Full Load Amps			7.6/3.8//6.4/3.2	**Breakdown Torque**	25.5 LB-FT
R.P.M.			3470//2890	**Pull-up Torque**	9.08 LB-FT
Hz	60//50	**Phase**	3	**Locked-rotor Torque**	11.9 LB-FT
NEMA Design Code	B	**KVA Code**	K	**Starting Current**	29.3 A
Service Factor (S.F.)			1	**No-load Current**	1.64 A
NEMA Nom. Eff.	86.5	**Power Factor**	89	**Line-line Res. @ 25ºC**	6.24 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	45°C
S.F. Amps				**Temp. Rise @ S.F. Load**	56°C
				Locked-rotor Power Factor	59.2
				Rotor inertia	0.0795 LB-FT2

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	47	70	81	87	90	91
Efficiency	81.1	86.6	87.4	86.6	85.2	83.1
Speed	3568	3538	3505	3468	3430	3382
Line amperes	1.82	2.29	2.94	3.71	4.53	5.5

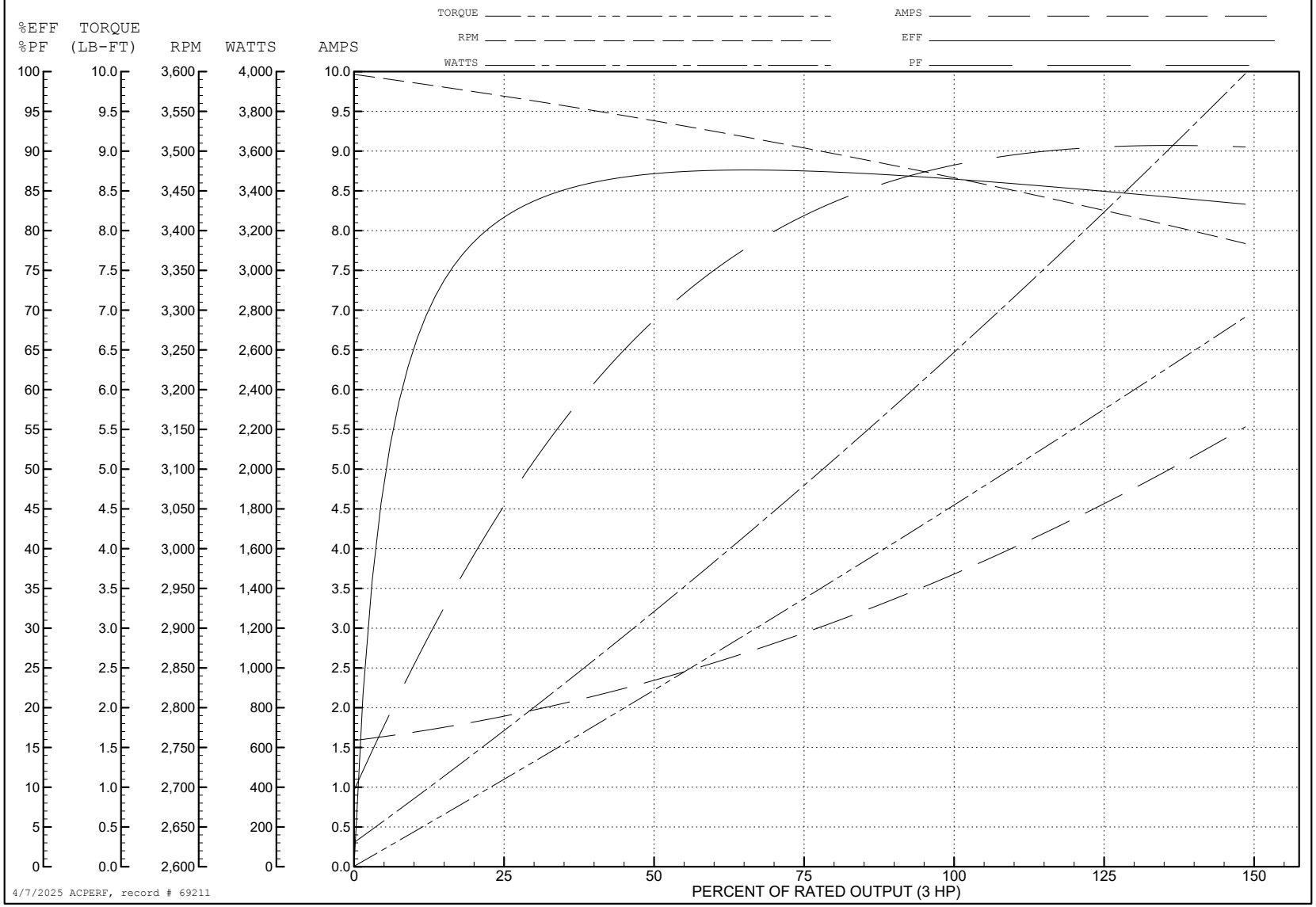
ABB Motors and Mechanical Inc.

WINDING # 06WGY471

3 HP 3 PH 60 HZ 3468 RPM 460 V 0618M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=25.5 PU=9.08 LR=11.9 LRA=29.3



AC Induction Motor Performance Data
Record # 69212
Typical performance - not guaranteed values

Winding: 06WGY471-R002	**Type:** 0618M	**Enclosure:** TEFC

Nameplate Data			
Rated Output (HP)			3//2
Volts			230/460//190/380
Full Load Amps			7.6/3.8//6.4/3.2
R.P.M.			3470//2890
Hz	60//50	**Phase**	3
NEMA Design Code	B	**KVA Code**	K
Service Factor (S.F.)			1
NEMA Nom. Eff.	86.5	**Power Factor**	89
Rating - Duty			40C AMB-CONT
S.F. Amps			

380 V, 50 Hz: High Voltage Connection	
Full Load Torque	3.61 LB-FT
Start Configuration	direct on line
Breakdown Torque	23.13 LB-FT
Pull-up Torque	9.15 LB-FT
Locked-rotor Torque	11.99 LB-FT
Starting Current	27.03 A
No-load Current	1.6 A
Line-line Res. @ 25ºC	6.24 Ω
Temp. Rise @ Rated Load	36°C
Temp. Rise @ S.F. Load	43°C
Locked-rotor Power Factor	65.7
Rotor inertia	0.0795 LB-FT2

Load Characteristics 380 V, 50 Hz, 2 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	44	65	78	84	88	90
Efficiency	73.4	81.5	84.1	84.1	83.2	81.7
Speed	2972	2947	2921	2890	2860	2821
Line amperes	1.73	2.09	2.58	3.18	3.82	4.57

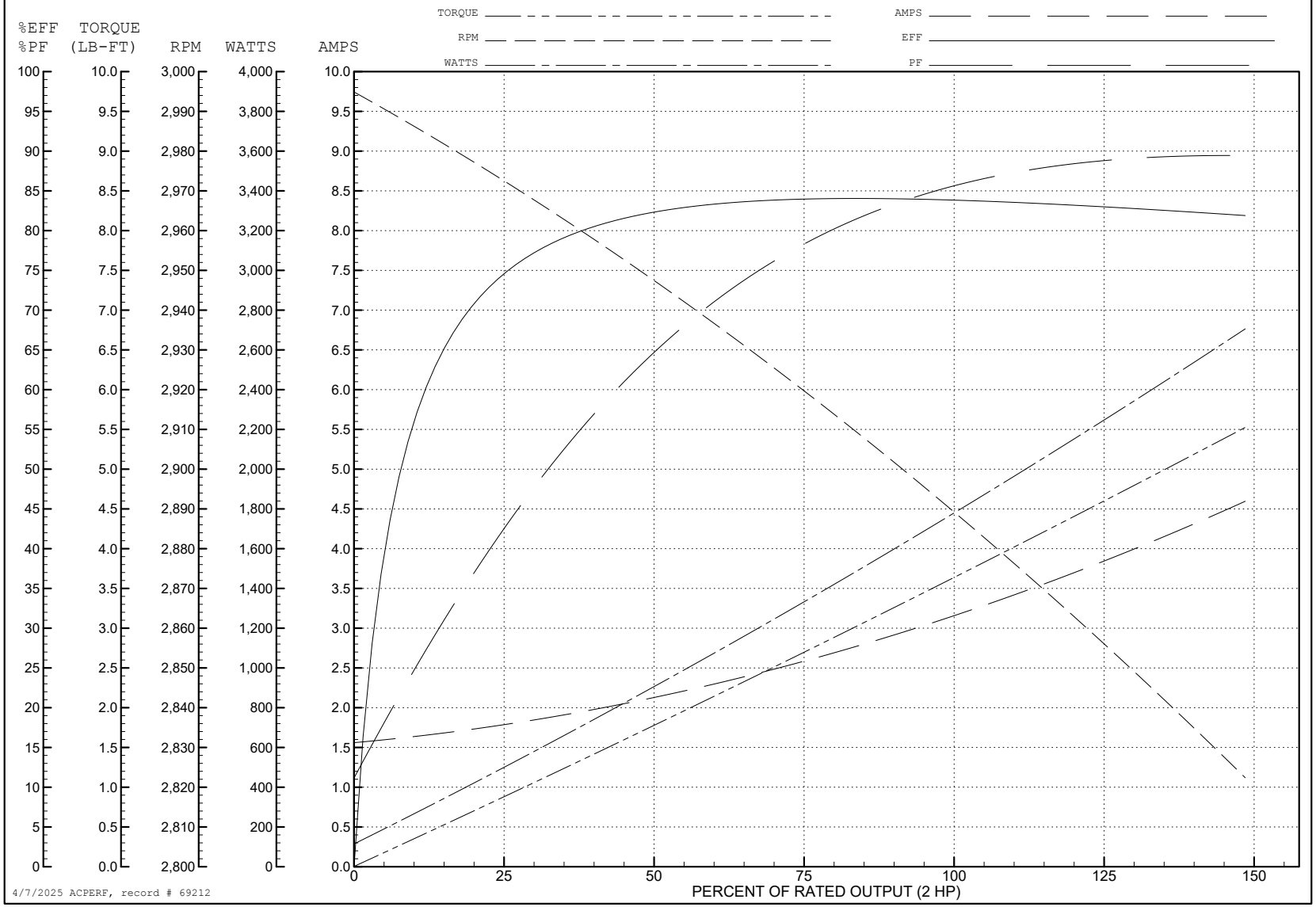
ABB Motors and Mechanical Inc.

WINDING # 06WGY471

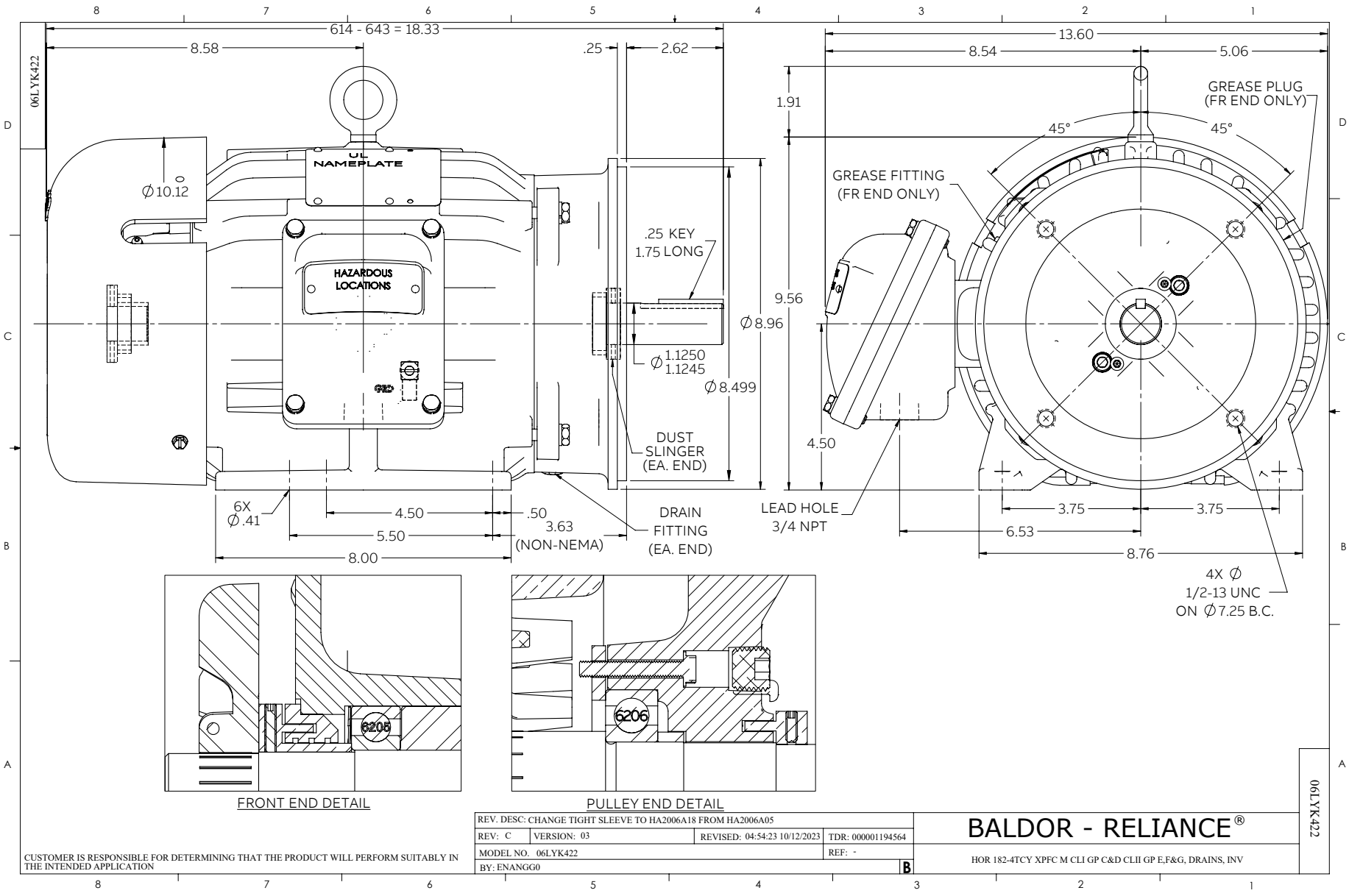
2 HP 3 PH 50 HZ 2890 RPM 380 V 0618M

Typical performance - not guaranteed values.

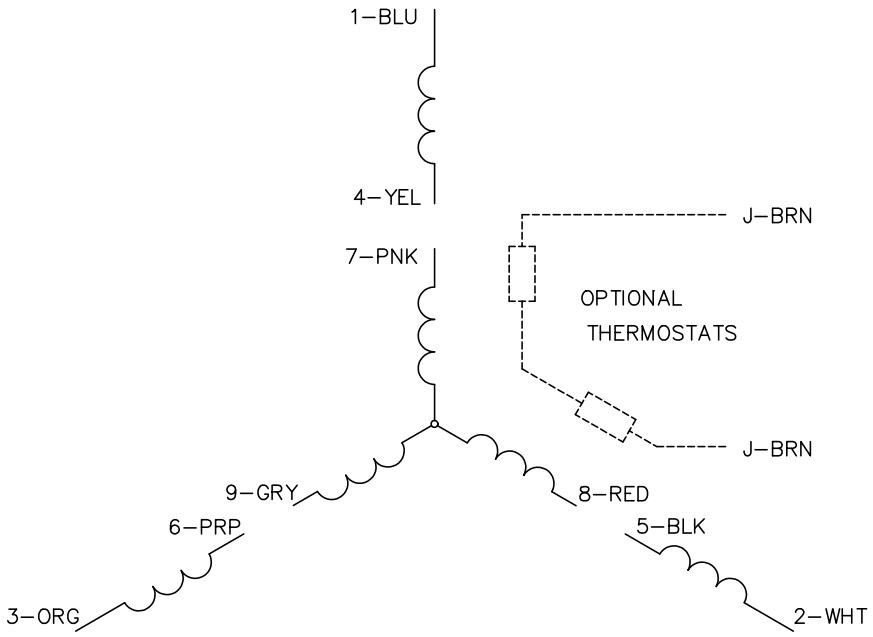
TORQUES(LB-FT): PO=23.13 PU=9.15 LR=11.99 LRA=27.03

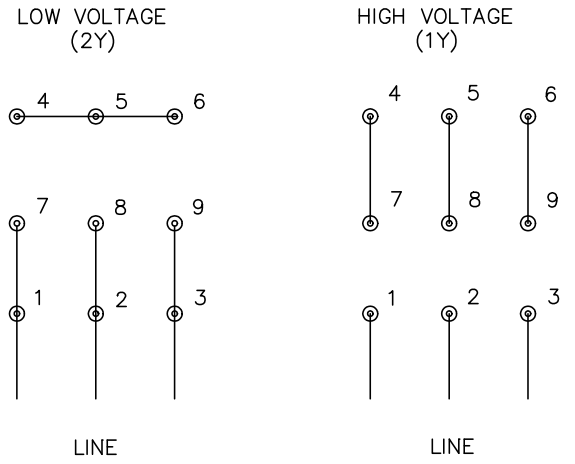


4/7/2025 ACPERF, record # 69212


614 - 643 = 18.33
8.58
.25
2.62
13.60
8.54
5.06
06LYK422
UL NAMEPLATE
HAZARDOUS LOCATIONS
Ø10.12
.25 KEY
1.75 LONG
Ø1.1250
1.1245
Ø8.96
Ø8.499
9.56
1.91
GREASE PLUG
(FR END ONLY)
45°
45°
GREASE FITTING
(FR END ONLY)
DUST
SLINGER
(EA. END)
4.50
6X
Ø.41
4.50
.50
3.63
(NON-NEMA)
5.50
8.00
DRAIN
FITTING
(EA. END)
LEAD HOLE
3/4 NPT
3.75
3.75
6.53
8.76
4X Ø
1/2-13 UNC
ON Ø7.25 B.C.
6205
6206
FRONT END DETAIL
PULLEY END DETAIL
REV. DESC: CHANGE TIGHT SLEEVE TO HA2006A18 FROM HA2006A05
REV: C
VERSION: 03
REVISED: 04:54:23 10/12/2023
TDR: 000001194564
MODEL NO. 06LYK422
REF: -
BY: ENANGG0
B
BALDOR - RELIANCE®
HOR 182-4TCY XPFC M CLI GP C&D CLII GP E,F&G, DRAINS, INV
06LYK422
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

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