ABB BALDOR RELIANCE

Customer information packet

CPX21126T

10HP, 3490//2900RPM, 3PH, 60HZ, 215T, XPFC, F1
Class - CLI GP C,D; CLII GP E,F,G
Division - Division I

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
9/14/2026 8:31:04 PM

Specifications

Enclosure	XPFC
Frame	215T
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	10.000 HP @ 60 HZ
	7.500 HP @ 50 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
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Constant Torque Speed Range	6
Current @ Voltage	22.400 A @ 230.0 V
	20.800 A @ 190.0 V
	11.200 A @ 460.0 V
	10.400 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.	07WGY361
Layout	07LY-000-018
Eff. date	04-13-2021
CD Diagram	CD0005
Poles	02
Leads	9#14
Proprietary	False
Created date	04-30-2019

Efficiency @ 100% Load	90.2 %
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	10.4 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	IP55
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	5400 rpm
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0730M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	20.02 IN
Power Factor	87
Product Family	Super-E Chemical Processing
Pulley Face Code	Standard
Rodent Screen	None
RoHS Status	ROHS NON-COMPLIANT
Service Factor	1.00
Shaft Diameter	1.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	3490 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.	07-0000-0122			**INV.TYPE**	PWM						
CAT.NO.	CPX21126T			**C HP FR**	60	**C HP TO**	90				
HP	10//7.5			**CT HZ FROM**	6			**CT HZ TO**	60		
VOLTS	230/460//190/380			**VT HZ FROM**	6			**VT HZ TO**	60		
AMPS	22.4/11.2//20.8/10.4		**MAG CUR**	6.6/3.3							
RPM	3490//2900		**MX RPM**	5400							
HZ	60//50	**PH**	3	**CL**	F	**NOM.EFF.**	90.2				
SER.F.	1.00	**DES**	B	**SL HZ**	1.8	**WK2**	0.273				
FRAME	215T	**RATING**	40C AMB-CONT								
BLANK	55C AMB AT 1.00 SF SINEWAVE										
	NEMA MG-1 PART 5, IP55			1.15 SF SINEWAVE							

AC Induction Motor Performance Data
Record # 75763
Typical performance - not guaranteed values

Winding: 07WGY361-R002	**Type:** 0730M	**Enclosure:** TEFC

Nameplate Data			
Rated Output (HP)			10
Volts			230/460//190/380
Full Load Amps			22.4/11.2//20.8/10.4
R.P.M.			3490//2900
Hz	60//60	**Phase**	3
NEMA Design Code	B	**KVA Code**	G
Service Factor (S.F.)			1
NEMA Nom. Eff.	90.2	**Power Factor**	87
Rating - Duty			40C AMB-CONT

460 V, 60 Hz: High Voltage Connection	
Full Load Torque	15 LB-FT
Start Configuration	direct on line
Breakdown Torque	50.8 LB-FT
Pull-up Torque	19.3 LB-FT
Locked-rotor Torque	26.8 LB-FT
Starting Current	72.6 A
No-load Current	3.34 A
Line-line Res. @ 25ºC	0.995 Ω
Temp. Rise @ Rated Load	60°C
Locked-rotor Power Factor	32.6
Rotor inertia	0.273 LB-FT2

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	64	83	90	92	92	91
Efficiency	88.8	91.9	91.7	90.4	89.3	87.7
Speed	3575	3550	3524	3493	3458	3418
Line amperes	4.15	6.08	8.55	11.2	14.3	17.6

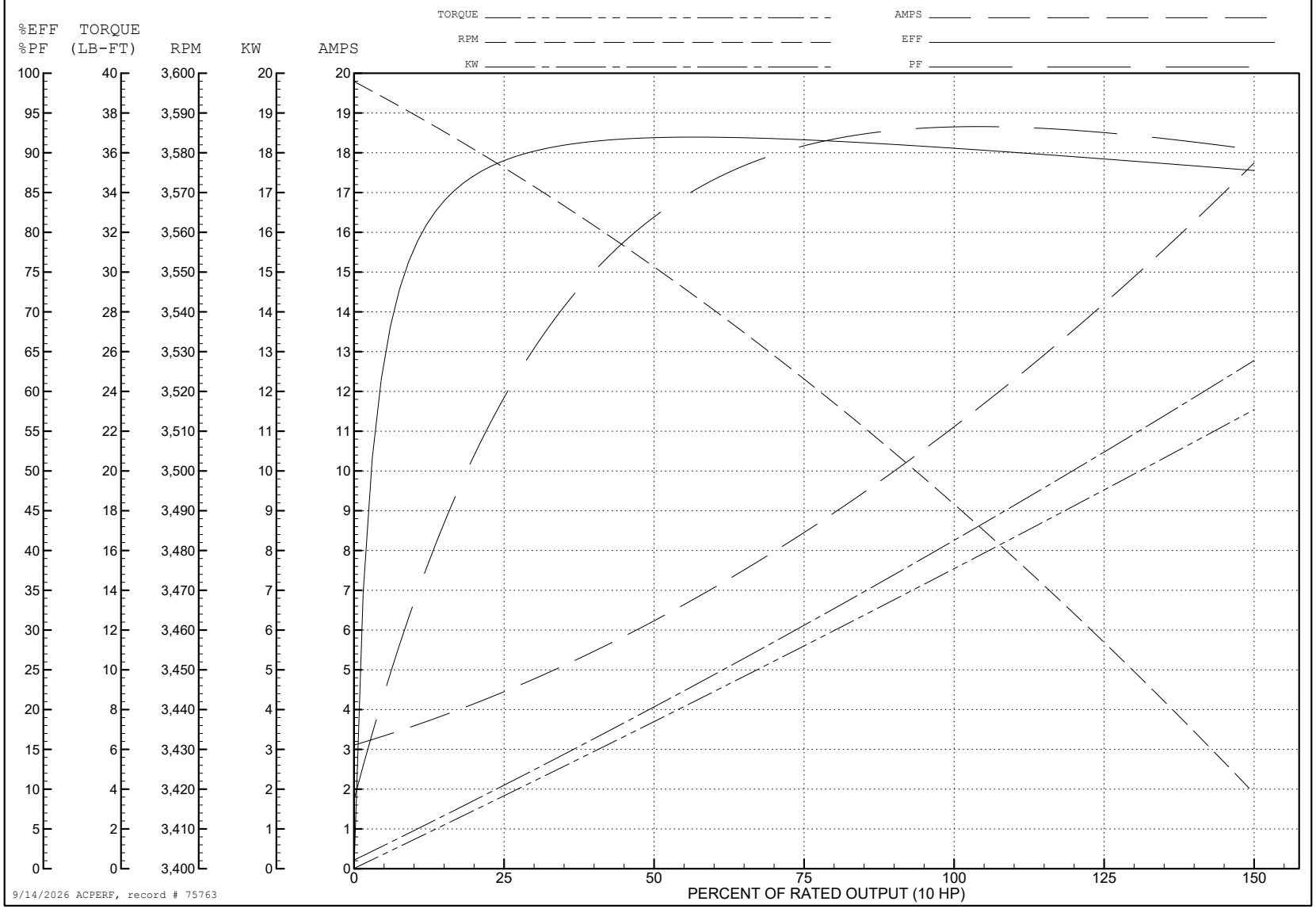
ABB Motors and Mechanical Inc.

WINDING # 07WGY361

10 HP 3 PH 60 HZ 3493 RPM 460 V 0730M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=50.8 PU=19.3 LR=26.8 LRA=72.6



AC Induction Motor Performance Data
Record # 75764
Typical performance - not guaranteed values

Winding: 07WGY361-R002	**Type:** 0730M	**Enclosure:** TEFC

Nameplate Data			
Rated Output (HP)			10//7.5
Volts			230/460//190/380
Full Load Amps			22.4/11.2//20.8/10.4
R.P.M.			3490//2900
Hz	60//60	**Phase**	3
NEMA Design Code	B	**KVA Code**	G
Service Factor (S.F.)			1
NEMA Nom. Eff.	90.2	**Power Factor**	87
Rating - Duty			40C AMB-CONT

380 V, 50 Hz: High Voltage Connection	
Full Load Torque	13.54 LB-FT
Start Configuration	direct on line
Breakdown Torque	48.46 LB-FT
Pull-up Torque	20.4 LB-FT
Locked-rotor Torque	28.32 LB-FT
Starting Current	70.44 A
No-load Current	3.25 A
Line-line Res. @ 25ºC	0.995 Ω
Temp. Rise @ Rated Load	54°C
Locked-rotor Power Factor	31.7
Rotor inertia	0.273 LB-FT2

Load Characteristics 380 V, 50 Hz, 7.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	63	82	89	92	92	91
Efficiency	85	89.6	89.9	88.9	87.9	86.3
Speed	2976	2954	2930	2902	2871	2836
Line amperes	3.99	5.73	7.96	10.38	13.19	16.17

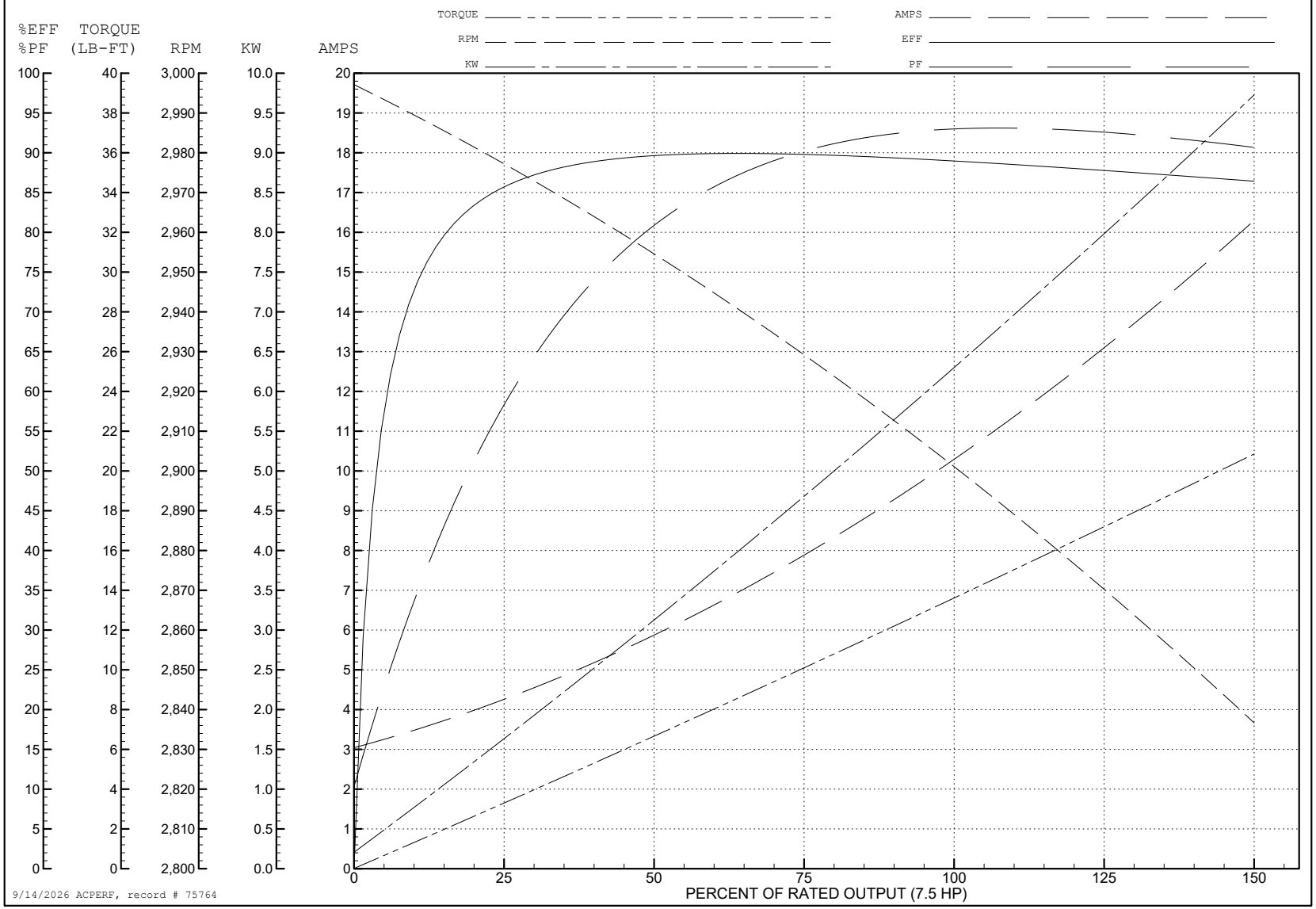
ABB Motors and Mechanical Inc.

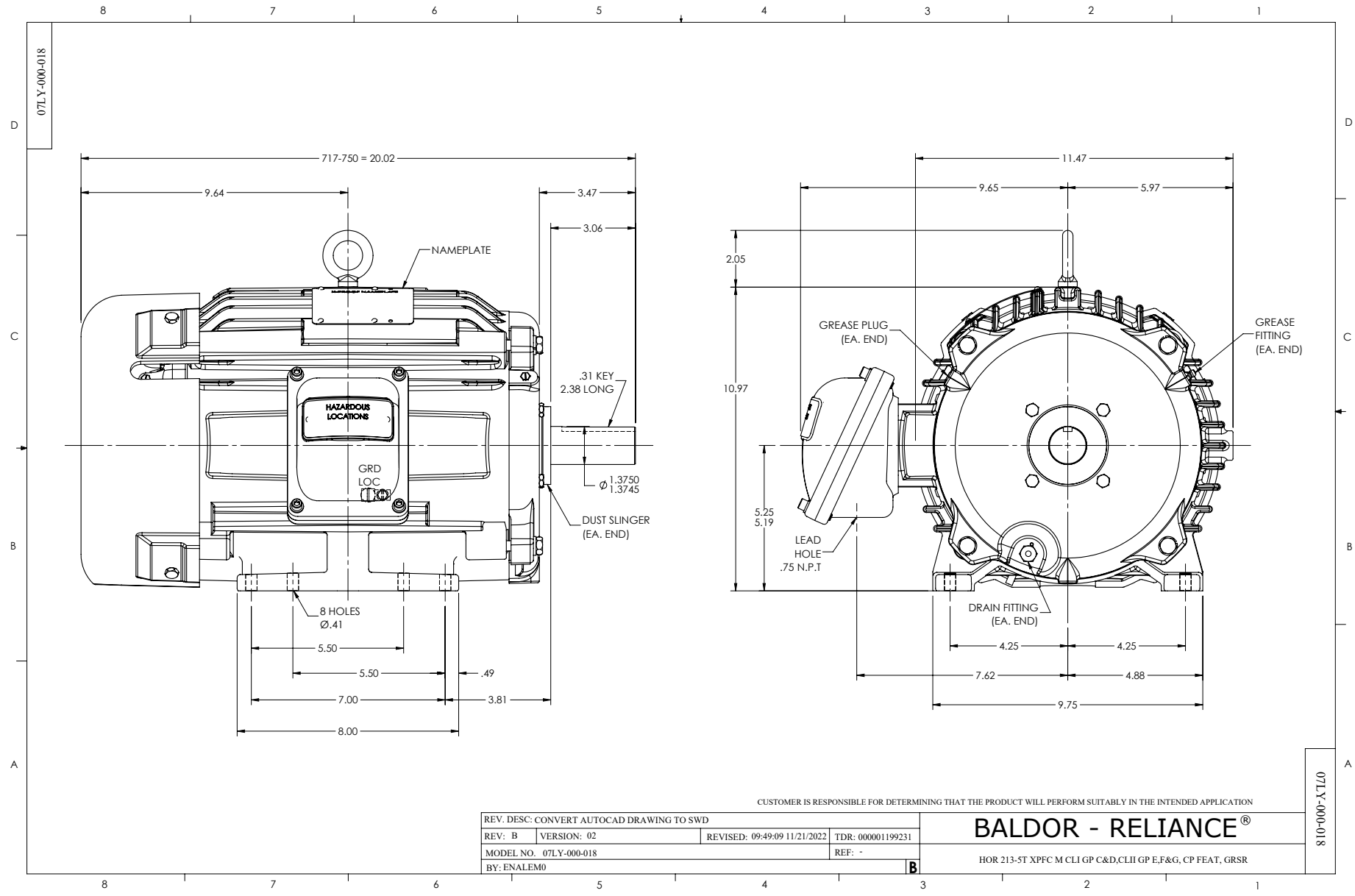
WINDING # 07WGY361

7.5 HP 3 PH 50 HZ 2902 RPM 380 V 0730M

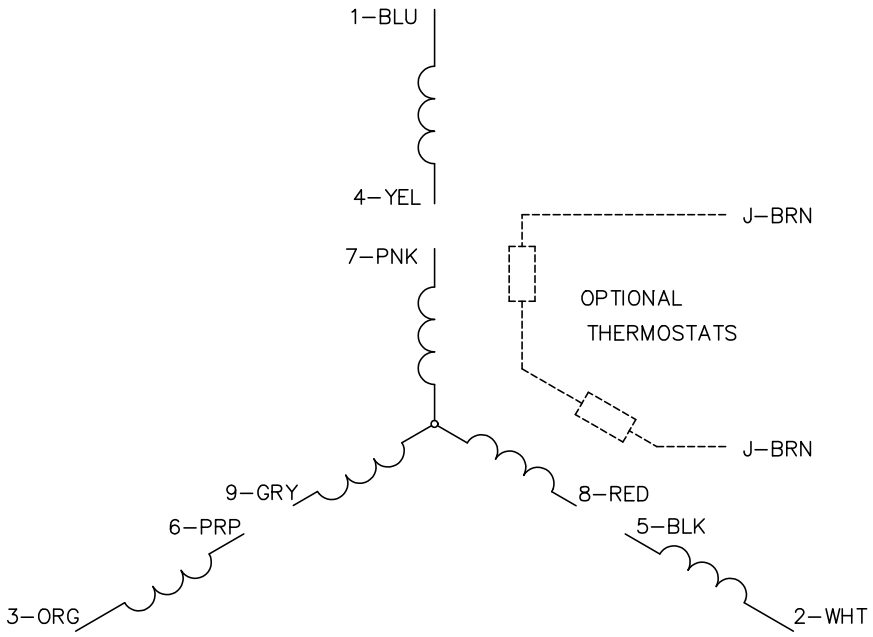
Typical performance - not guaranteed values.

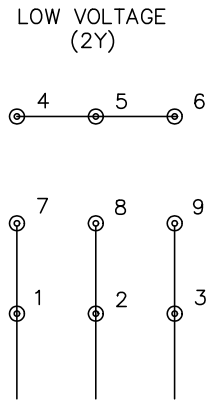
TORQUES(LB-FT): PO=48.46 PU=20.4 LR=28.32 LRA=70.44

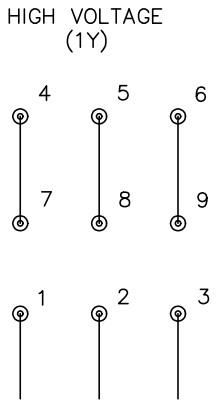



07LY-000-018
717-750 = 20.02
9.64
3.47
3.06
NAMEPLATE
.31 KEY
2.38 LONG
HAZARDOUS LOCATIONS
GRD LOC
Ø 1.3750 1.3745
DUST SLINGER (EA. END)
8 HOLES Ø.41
5.50
5.50
.49
7.00
3.81
8.00
11.47
9.65
5.97
2.05
10.97
GREASE PLUG (EA. END)
GREASE FITTING (EA. END)
5.25 5.19
LEAD HOLE .75 N.P.T
DRAIN FITTING (EA. END)
4.25
4.25
7.62
4.88
9.75
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD DRAWING TO SWD
REV: B
VERSION: 02
REVISED: 09:49:09 11/21/2022
TDR: 000001199231
MODEL NO. 07LY-000-018
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HOR 213-5T XPFC M CLI GP C&D,CLII GP E,F&G, CP FEAT, GRSR
07LY-000-018

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