ABB BALDOR RELIANCE

Customer information packet

IDXCM7542T-C

3HP, 1755RPM, 3PH, 60HZ, 182TC, 0632M, XPFC, F1
Class - CLI GP C,D; CLII GP F,G
Division - Division I

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Specifications

Enclosure	XPFC
Frame	182TC
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP C,D; CLII GP F,G
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CSA
	CSA EEV
	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
Constant Torque Speed Range	15
Current @ Voltage	4.100 A @ 460.0 V
	8.200 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part Detail

Revision	G
Type	AC
Mech. spec.	06G118
Base	
Status	INA/A
Elec. spec.	06WGX181
Layout	06LYG118
Eff. date	03-08-2021
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	11-03-2016

Front Shaft Indicator	None
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	4.1 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	X0632M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	18.31 IN
Power Factor	77
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS NON-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	No Slinger
Speed	1755 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

NP0681XPSLEV											
NO.				**CC**	010A						
S/N				**TEMP CODE**	T3C						
SPEC.	06G118X181G1			**INV.TYPE**	PWM						
CAT.NO.				**C HP FR**	60	**C HP TO**	90				
HP	3			**CT HZ FROM**	15			**CT HZ TO**	60		
VOLTS	230/460			**VT HZ FROM**	6			**VT HZ TO**	60		
AMPS	8.2/4.1			**MAG CUR**	4.2/2.1						
RPM	1755			**MX RPM**	2700						
HZ	60	**PH**	3	**CL**	F	**NOM.EFF.**	89.5				
SER.F.	1.00	**DES**	B	**SL HZ**	1.5	**WK2**	0.3				
FRAME	182TC	**RATING**	40C AMB-CONT								
	1.15 SF SINE WAVE										

AC Induction Motor Performance Data
Record # 36482
Typical performance - not guaranteed values

Winding: 06WGX181-R008	**Type:** 0632M	**Enclosure:** XPFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			3	**Full Load Torque**	9.06 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			8.2/4.1	**Breakdown Torque**	33.1 LB-FT
R.P.M.			1755	**Pull-up Torque**	18.2 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	20.4 LB-FT
NEMA Design Code	B	**KVA Code**	J	**Starting Current**	29.8 A
Service Factor (S.F.)			1	**No-load Current**	2.14 A
NEMA Nom. Eff.	89.5	**Power Factor**	77	**Line-line Res. @ 25ºC**	3.93 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	35°C
				Locked-rotor Power Factor	41.4
				Rotor inertia	0.298 LB-FT2

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	38	58	70	77	81	83
Efficiency	83.2	88.3	89.7	89.6	89.1	87.7
Speed	1790	1779	1769	1757	1744	1730
Line amperes	2.34	2.79	3.39	4.1	4.91	5.86

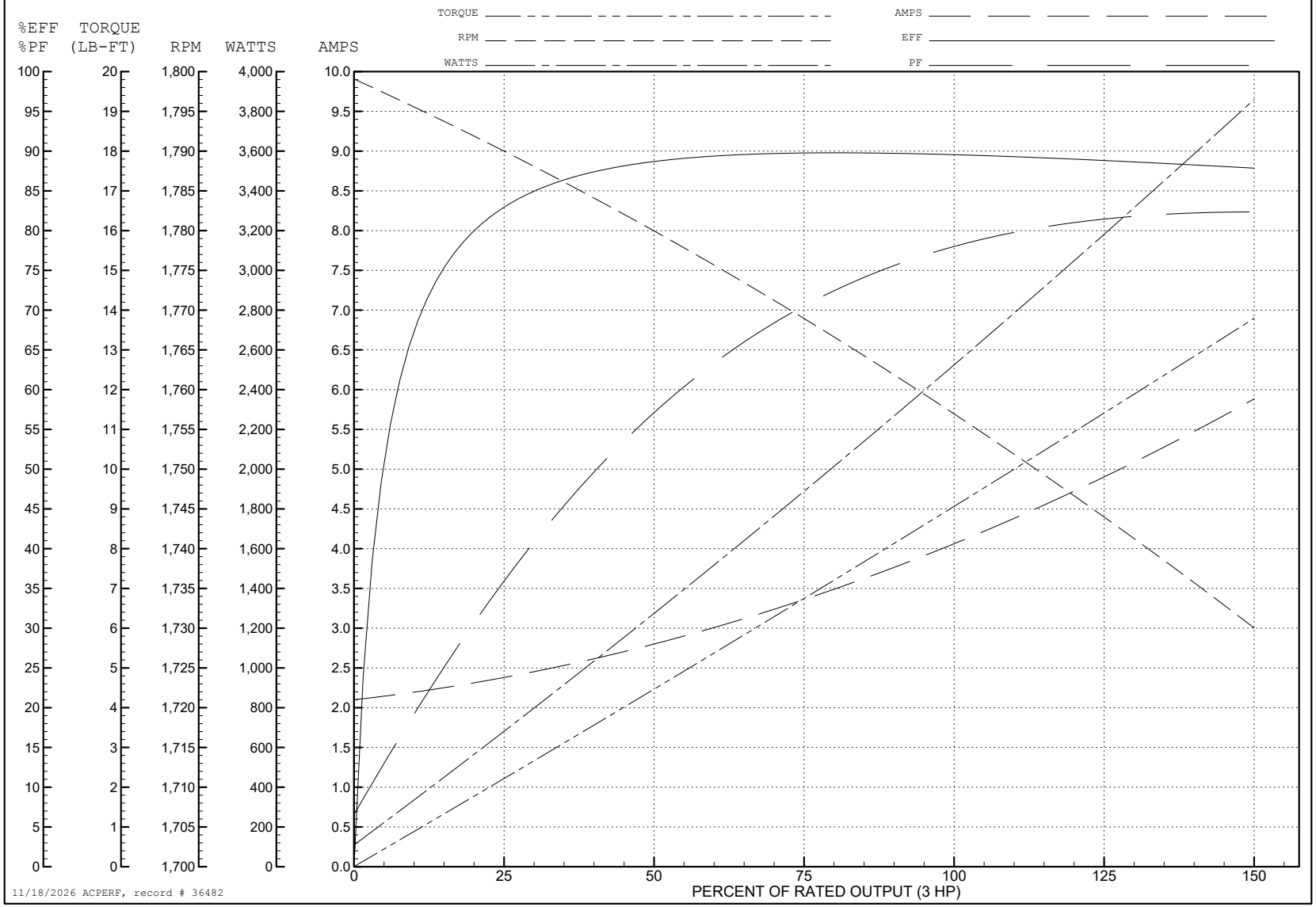
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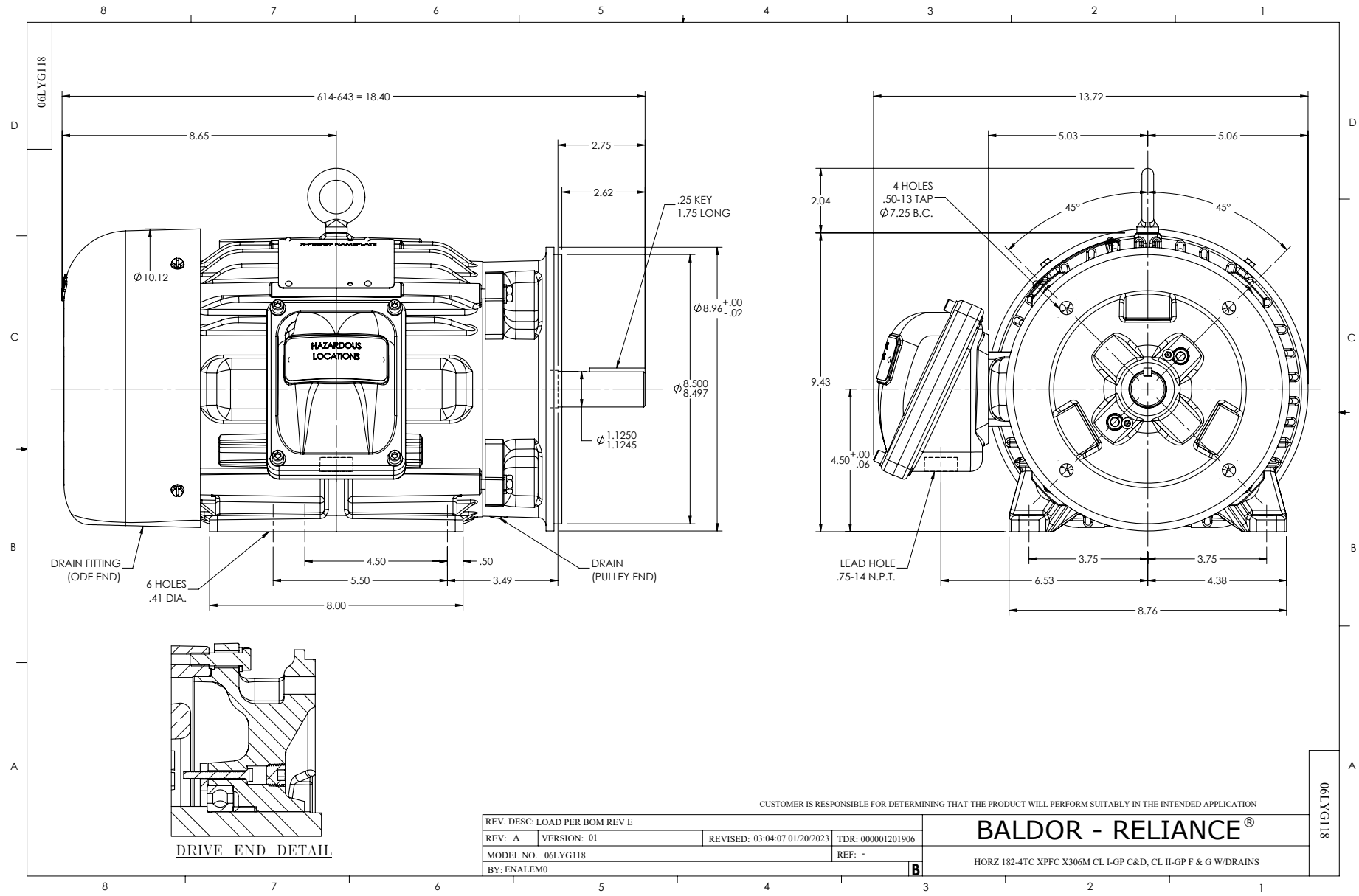
WINDING # 06WGX181

3 HP 3 PH 60 HZ 1755 RPM 460 V 0632M

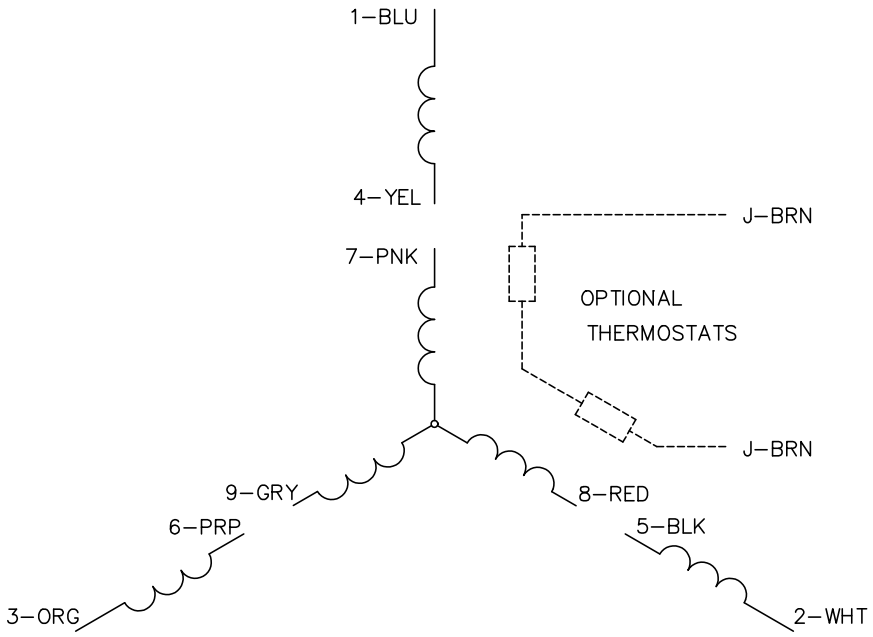
Typical performance - not guaranteed values.

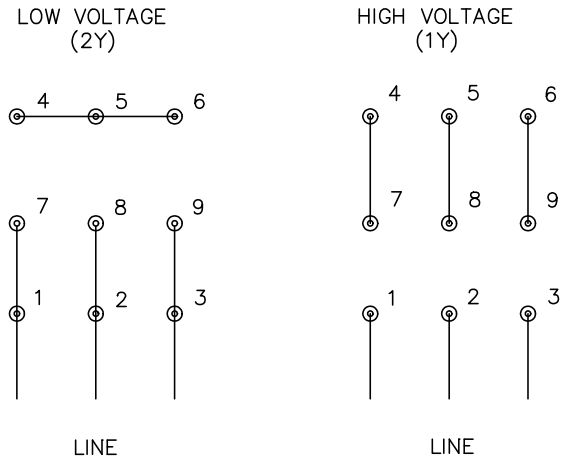
TORQUES(LB-FT): PO=33.1 PU=18.2 LR=20.4 LRA=29.8




06LYG118
614-643 = 18.40
8.65
2.75
2.62
.25 KEY
1.75 LONG
Ø10.12
Ø8.96 +.00 -.02
Ø8.500
8.497
Ø1.1250
1.1245
HAZARDOUS LOCATIONS
DRAIN FITTING
(ODE END)
6 HOLES
.41 DIA.
4.50
.50
5.50
3.49
8.00
DRAIN
(PULLEY END)
13.72
5.03
5.06
4 HOLES
.50-13 TAP
Ø7.25 B.C.
45°
45°
2.04
9.43
4.50 +.00 -.06
LEAD HOLE
.75-14 N.P.T.
3.75
3.75
6.53
4.38
8.76
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOAD PER BOM REV E
REV: A
VERSION: 01
REVISED: 03:04:07 01/20/2023
TDR: 000001201906
MODEL NO. 06LYG118
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HORZ 182-4TC XPFC X306M CL I-GP C&D, CL II-GP F & G W/DRAINS
06LYG118

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