ABB BALDOR RELIANCE

Customer information packet

XM181562T

32M 6P XPFC HOR 182T T'STATS INVERTER
Class - CLI GP D; CLII GP F,G
Division - Division I

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Specifications

Enclosure	XPFC
Frame	182T
Frame Material	Steel
Frequency	50.00 Hz
	60.00 Hz
Haz Area Class and Group	CLI GP D; CLII GP F,G
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	1.000 HP @ 50 HZ
	1.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	380.0 V @ 50 HZ
	230.0 V @ 60 HZ
	190.0 V @ 50 HZ
Agency Approvals	CSA EEV
	UL
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	1.8
Current @ Voltage	4.800 A @ 230.0 V
	4.200 A @ 190.0 V
	2.400 A @ 460.0 V
	2.100 A @ 380.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT

Part Detail

Revision	G
Type	AC
Mech. spec.	36R726
Base	
Status	PRD/A
Elec. spec.	36WGS916
Layout	36LYR726
Eff. date	06-18-2026
CD Diagram	CD0005
Poles	06
Leads	9#16
Proprietary	False
Created date	12-19-2018

Efficiency @ 100% Load	87.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	2.1 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	NONE
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Max Speed	1800 rpm
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	X3632M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	18.93 IN
Power Factor	67
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
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
Shaft Slinger Indicator	No Slinger
Speed	1165 rpm

	970 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

NP0887XPSLEV											
NO.				**CC**	010A						
S/N				**TEMP CODE**	T3C						
SPEC.	36R726S916G1			**INV.TYPE**	PWM						
CAT.NO.	XM181562T			**C HP FR**	60	**C HP TO**	90				
HP	1.5//1			**CT HZ FROM**	1.8			**CT HZ TO**	60		
VOLTS	230/460//190/380			**VT HZ FROM**	1.8			**VT HZ TO**	60		
AMPS	4.8/2.4//4.2/2.1		**MAG CUR**	3/1.5							
RPM	1165//970		**MX RPM**	1800							
HZ	60//50	**PH**	3	**CL**	F	**NOM.EFF.**	87.5				
SER.F.	1.00	**DES**	B	**SL HZ**	1.8	**WK2**	0.301				
FRAME	182T	**RATING**	40C AMB-CONT								
	55C AMB AT 1.00 SF SINEWAVE										
	NEMA MG-1 PART 5, IP54			1.15 SF SINEWAVE							

AC Induction Motor Performance Data
Record # 73918
Typical performance - not guaranteed values

Winding: 36WGS916-R035	**Type:** 3632M	**Enclosure:** XPFC

Nameplate Data			
Rated Output (HP)			1.5//1
Volts			230/460//190/380
Full Load Amps			4.8/2.4//4.2/2.1
R.P.M.			1165//970
Hz	60//50	**Phase**	3
NEMA Design Code	B	**KVA Code**	K
Service Factor (S.F.)			1
NEMA Nom. Eff.	87.5	**Power Factor**	67
Rating - Duty			40C AMB-CONT

460 V, 60 Hz: High Voltage Connection	
Full Load Torque	6.86 LB-FT
Start Configuration	direct on line
Breakdown Torque	23.8 LB-FT
Pull-up Torque	12.5 LB-FT
Locked-rotor Torque	15.3 LB-FT
Starting Current	15.8 A
No-load Current	1.47 A
Line-line Res. @ 25ºC	7.12 Ω
Temp. Rise @ Rated Load	34°C
Locked-rotor Power Factor	30.1
Rotor inertia	0.301 LB-FT2

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	30	48	60	67	71	74
Efficiency	78.8	85.7	87.6	87.4	86.4	85.4
Speed	1192	1185	1177	1168	1158	1148
Line amperes	1.57	1.77	2.07	2.43	2.88	3.36

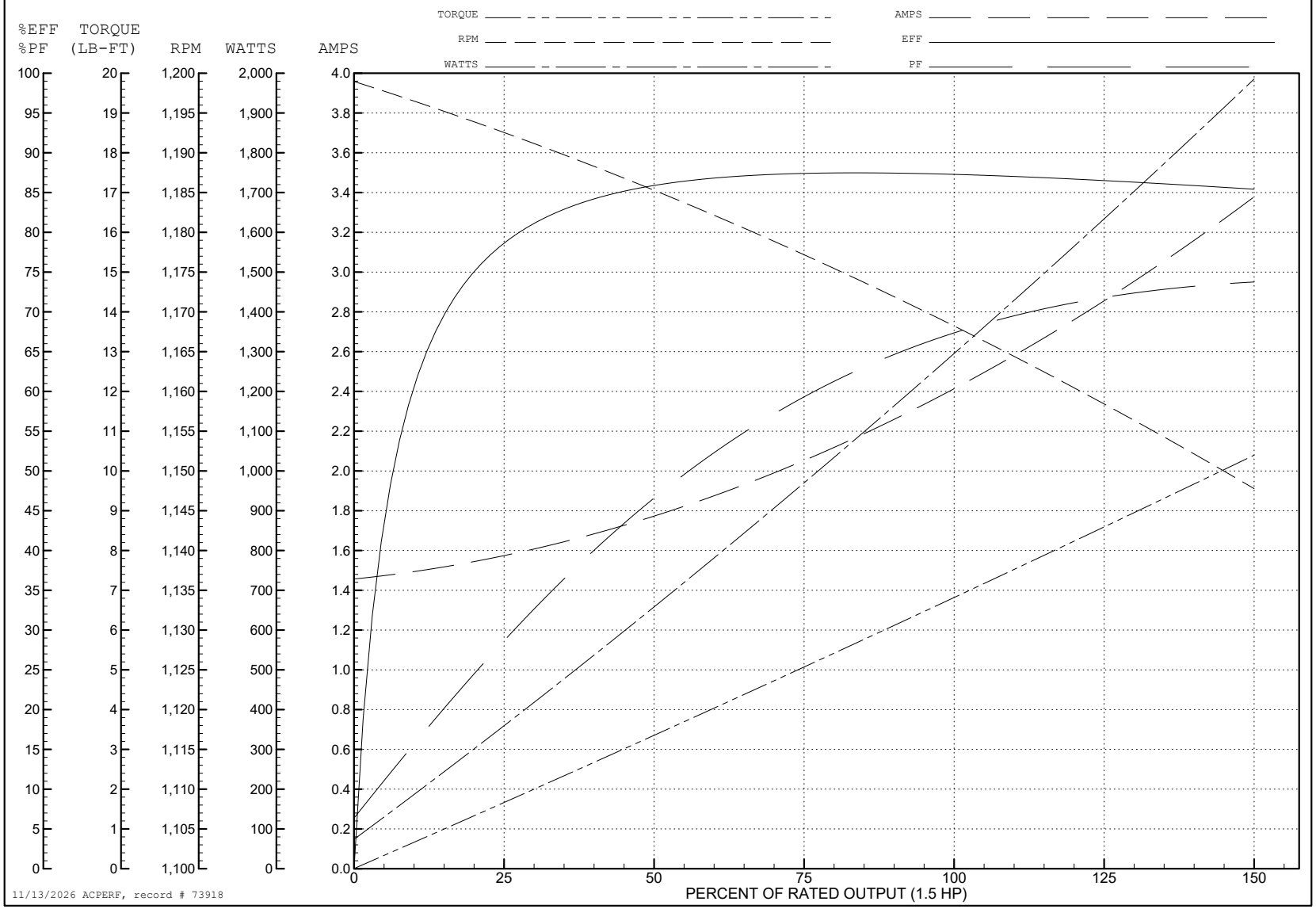
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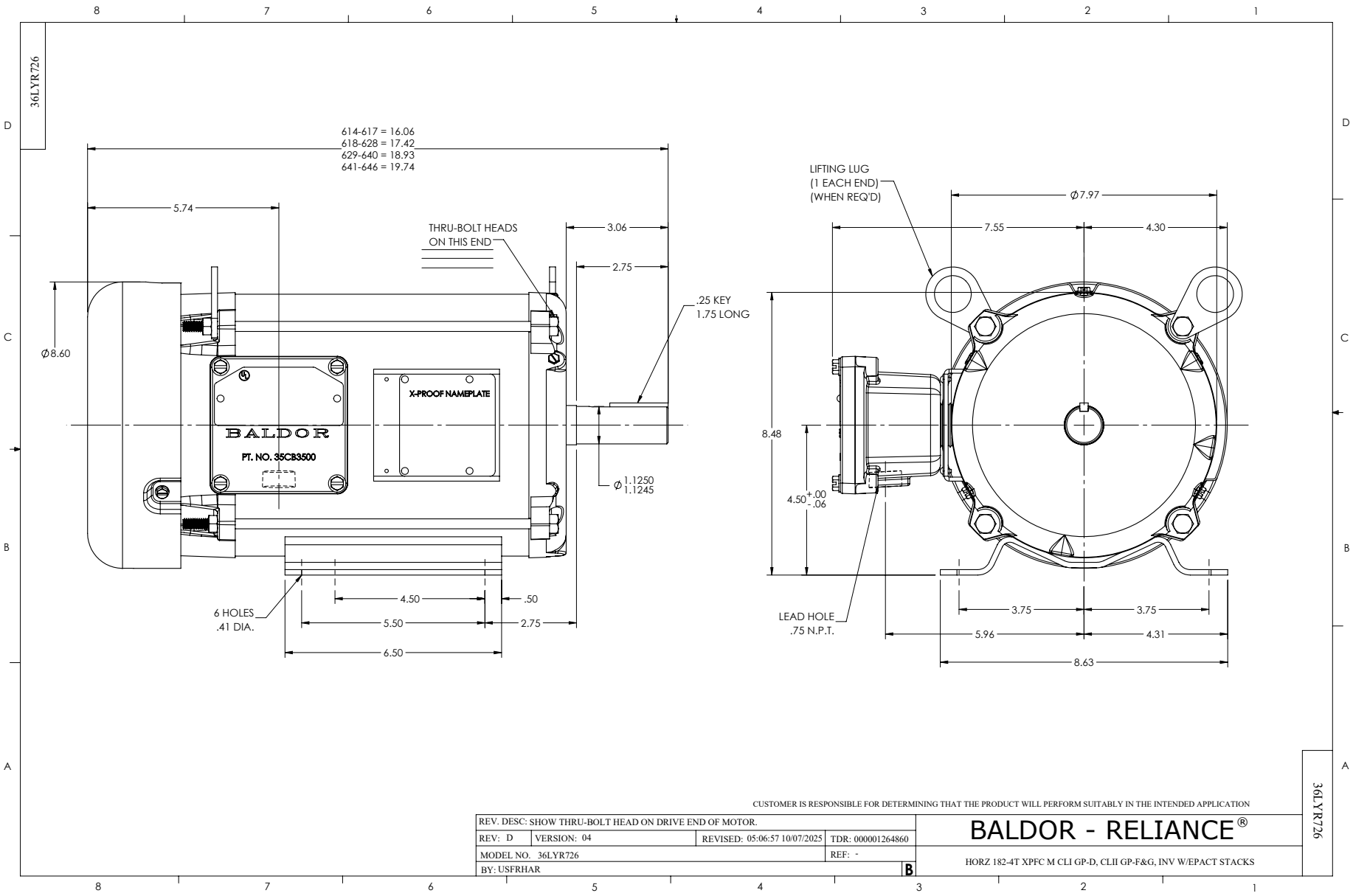
WINDING # 36WGS916

1.5 HP 3 PH 60 HZ 1168 RPM 460 V 3632M

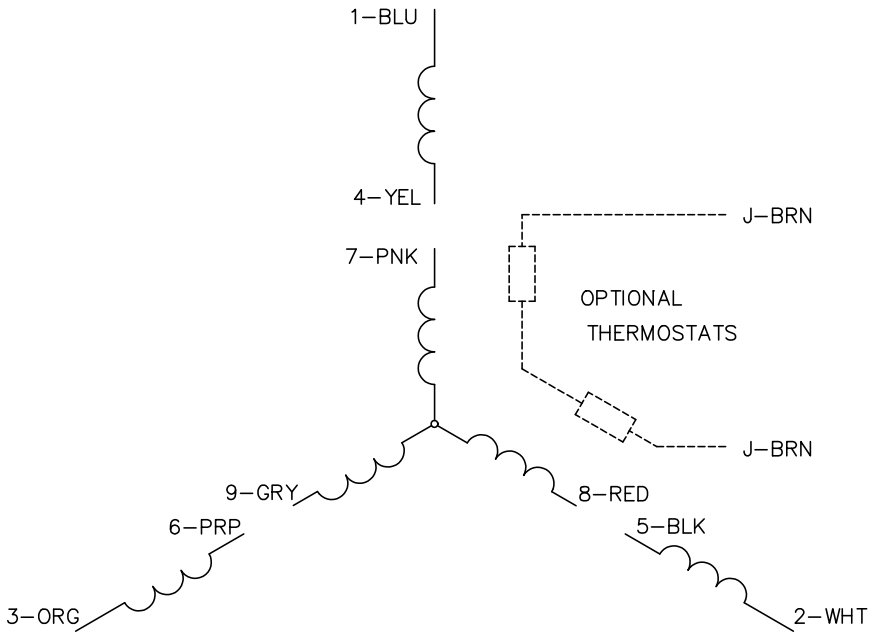
Typical performance - not guaranteed values.

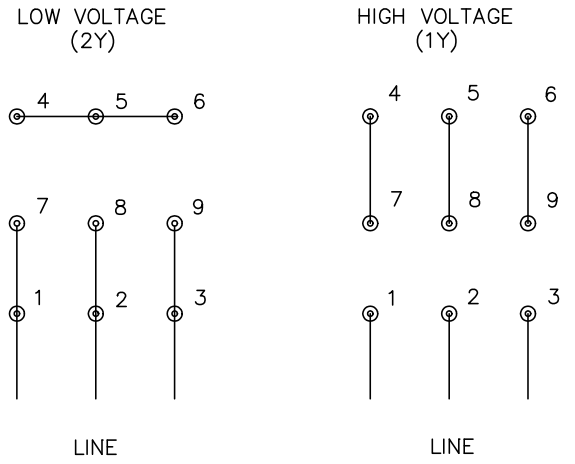
TORQUES(LB-FT): PO=23.8 PU=12.5 LR=15.3 LRA=15.8




36LYR726
614-617 = 16.06
618-628 = 17.42
629-640 = 18.93
641-646 = 19.74
5.74
3.06
2.75
THRU-BOLT HEADS
ON THIS END
.25 KEY
1.75 LONG
Ø8.60
BALDOR
PT. NO. 35CB3500
X-PROOF NAMEPLATE
Ø1.1250
1.1245
6 HOLES
.41 DIA.
4.50
.50
5.50
2.75
6.50
LIFTING LUG
(1 EACH END)
(WHEN REQ'D)
Ø7.97
7.55
4.30
8.48
4.50 +.00 -.06
LEAD HOLE
.75 N.P.T.
3.75
3.75
5.96
4.31
8.63
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: SHOW THRU-BOLT HEAD ON DRIVE END OF MOTOR.
REV: D
VERSION: 04
REVISED: 05:06:57 10/07/2025
TDR: 000001264860
MODEL NO. 36LYR726
REF: -
BY: USFRHAR
B
BALDOR - RELIANCE®
HORZ 182-4T XPFC M CLI GP-D, CLII GP-F&G, INV W/EPACT STACKS
36LYR726

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