

BALDOR® • RELIANCE 

Product Information Packet

XM181562T

32M 6P XPFC HOR 182T T'STATS INVERTER

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGS916	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	36R726	Layout:	36LYR726	Poles:	06	Created Date:	12-19-2018
Base:	RG	Eff. Date:	04-28-2021	Leads:	9#16		

Specs			
Catalog Number:	XM181562T	Feedback Device:	NO FEEDBACK
Enclosure:	XPFC	Front Shaft Indicator:	None
Frame:	182T	Heater Indicator:	No Heater
Frame Material:	Steel	Insulation Class:	F
Motor Letter Type:	Three Phase	Inverter Code:	Inverter Duty
Output @ Frequency:	1.500 HP @ 60 HZ	IP Rating:	NONE
	1.000 HP @ 50 HZ	KVA Code:	K
Synchronous Speed @ Frequency:	1000 RPM @ 50 HZ	Lifting Lugs:	No Lifting Lugs
Voltage @ Frequency:	190.0 V @ 50 HZ	Locked Bearing Indicator:	No Locked Bearing
	230.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 16 AWG
	380.0 V @ 50 HZ	Motor Lead Termination:	Flying Leads
	460.0 V @ 60 HZ	Motor Type:	X3632M
XP Class and Group:	CLI GP D; CLII GP F,G	Mounting Arrangement:	F1
XP Division:	Division I	Power Factor:	67
Agency Approvals:	UR	Product Family:	General Purpose
	CSA EEV	Pulley End Bearing Type:	Ball
	CSA	Pulley Face Code:	Standard
Auxillary Box:	No Auxillary Box	Pulley Shaft Indicator:	Standard

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Auxillary Box Lead Termination:	None	Rodent Screen:	None
Base Indicator:	Rigid	RoHS Status:	ROHS NON-COMPLIANT
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Ground Indicator:	No Shaft Grounding
Blower:	None	Shaft Rotation:	Reversible
Constant Torque Speed Range:	1.8	Shaft Slinger Indicator:	No Slinger
Current @ Voltage:	4.800 A @ 230.0 V	Speed Code:	Single Speed
	4.200 A @ 190.0 V	Motor Standards:	NEMA
	2.400 A @ 460.0 V	Starting Method:	Direct on line
	2.100 A @ 380.0 V	Thermal Device - Bearing:	None
Design Code:	B	Thermal Device - Winding:	Normally Closed Thermostat
Drip Cover:	No Drip Cover	Vibration Sensor Indicator:	No Vibration Sensor
Duty Rating:	CONT	Winding Thermal 1:	None
Electrically Isolated Bearing:	Not Electrically Isolated	Winding Thermal 2:	None
		XP Temp Code:	T3C

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			
SER.F.	1.00		DES	B	SL HZ	1.8		NOM.EFF.	87.5
FRAME	182T		RATING	40C AMB-CONT				WK2	0.301
55C AMB AT 1.00 SF SINEWAVE									
NEMA MG-1 PART 5, IP54					1.15 SF SINEWAVE				

Parts List		
Part Number	Description	Quantity
SA364283	SA 36R726S916G1	1.000 EA
RA353605	RA 36R726S916G1	1.000 EA
36FN3000C01SP	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 EA
35CB3001A02SP	EXPL PROOF CONDUIT BOX, 3/4"PIPE TAP LEA	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
36EP3700A01	FR ENDPLATE, MACH	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP3701A01	PU ENDPLATE, MACH	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 EA
XY3816A12	3/8-16 FINISHED NUT	4.000 EA
36FH4009A02	FAN COVER FOR VM7042T,PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB3500A01SP	CONDUIT BOX LID, MACH	1.000 EA
51XN2520A16	SCREW, HEX WS SLT, ZN, 1/4-20 X 1.00	4.000 EA
HW2501E16	KEY, 1/4 SQ X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
NP0018F	ALUM UL XP CONDUIT BOX NAMEPLATE	1.000 EA
HA1025A21	WSHR,FELT .125" THK	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 LB
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
MG1025G29	WILKOFAS, 789.229, DARK CHARCOAL GRAY	0.022 GA

Parts List (continued)		
Part Number	Description	Quantity
HA3105A09	THRUBOLT 3/8-16 X 12.000	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP0887XPSLEV	SS XP INV UL CSA-EEV CC CL-I GP-D	1.000 EA
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2200bx) 4/22	1.000 EA

AC Induction Motor Performance Data

Record # 73918

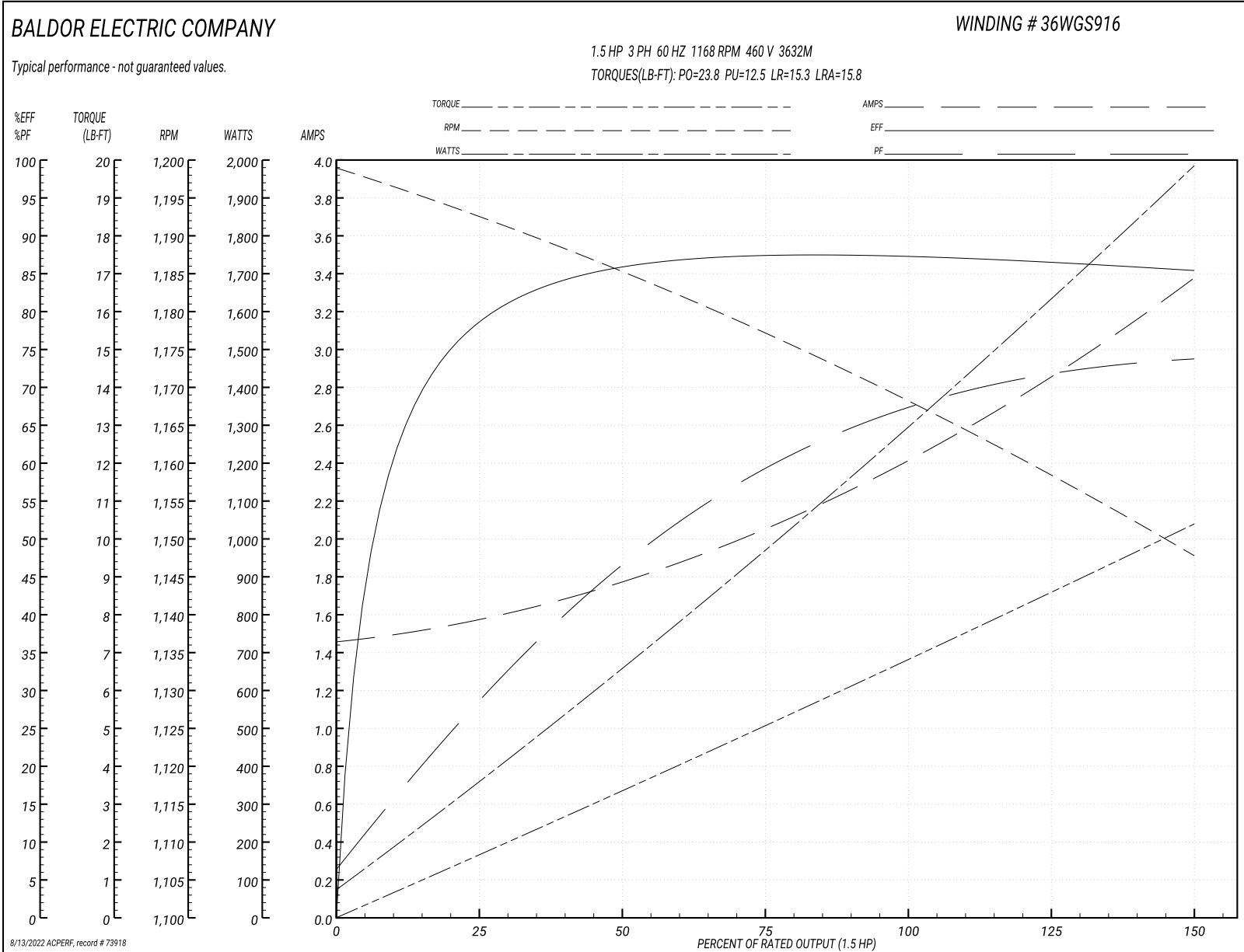
Typical performance - not guaranteed values

Winding: 36WGS916-R035		Type: 3632M		Enclosure: XPFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	1.5//1		Full Load Torque	6.86 LB-FT	
Volts	230/460//190/380		Start Configuration	direct on line	
Full Load Amps	4.8/2.4//4.2/2.1		Breakdown Torque	23.8 LB-FT	
R.P.M.	1165//970		Pull-up Torque	12.5 LB-FT	
Hz	60//50	Phase	3	Locked-rotor Torque	15.3 LB-FT
NEMA Design Code	B KVA Code		K	Starting Current	15.8 A
Service Factor (S.F.)			1	No-load Current	1.47 A
NEMA Nom. Eff.	87.5	Power Factor	67	Line-line Res. @ 25°C	7.12 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	34°C
				Locked-rotor Power Factor	30.1
				Rotor inertia	0.301 LB-FT ²

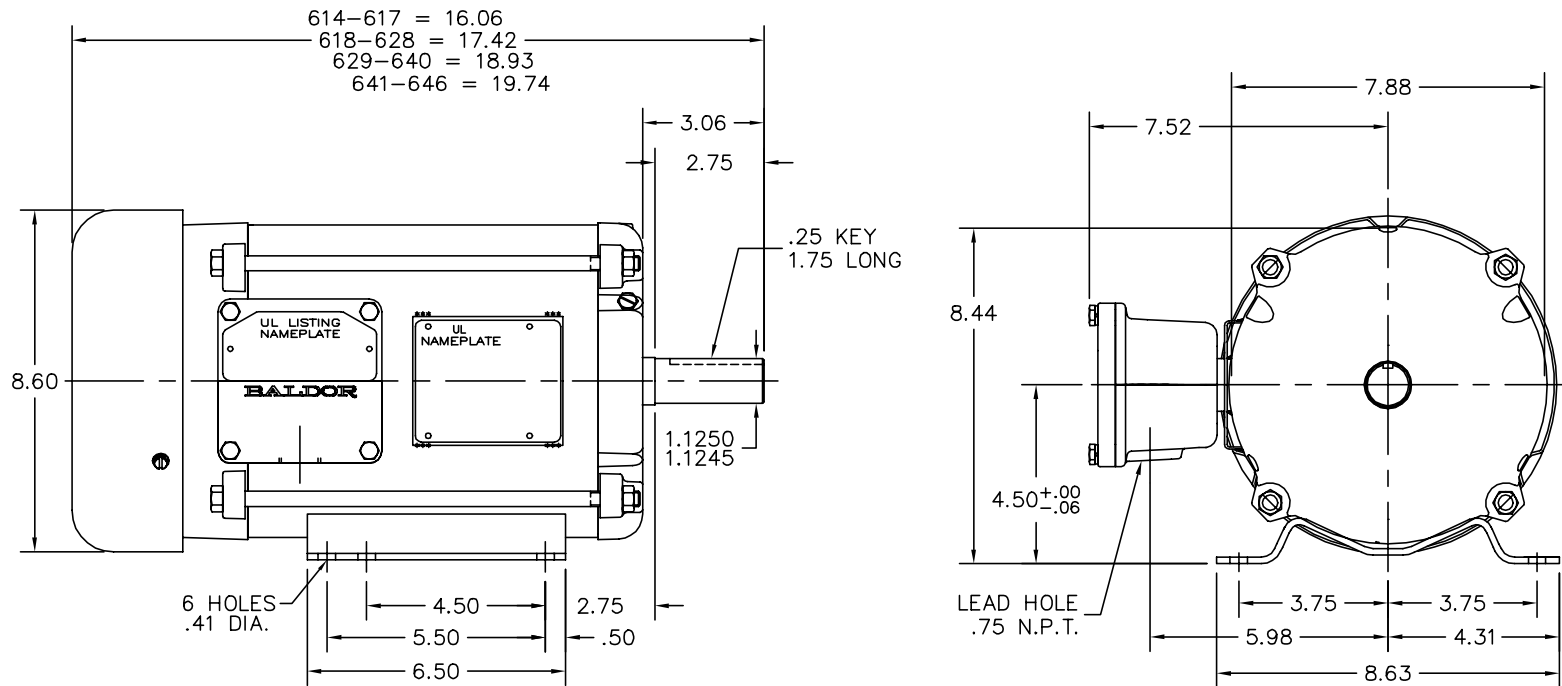
Load Characteristics 460 V, 60 Hz, 1.5 HP

% 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


Performance Graph at 460V, 60Hz, 1.5HP Typical performance - Not guaranteed values



36LYR726



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: NEW		
REV. LTR: -	VERSION: 00	TDR: 000001094184
FILE: \AAA\00246\518	REVISED: 02:22:14 12/18/2018	BY: ENMICW1
MTL: -		

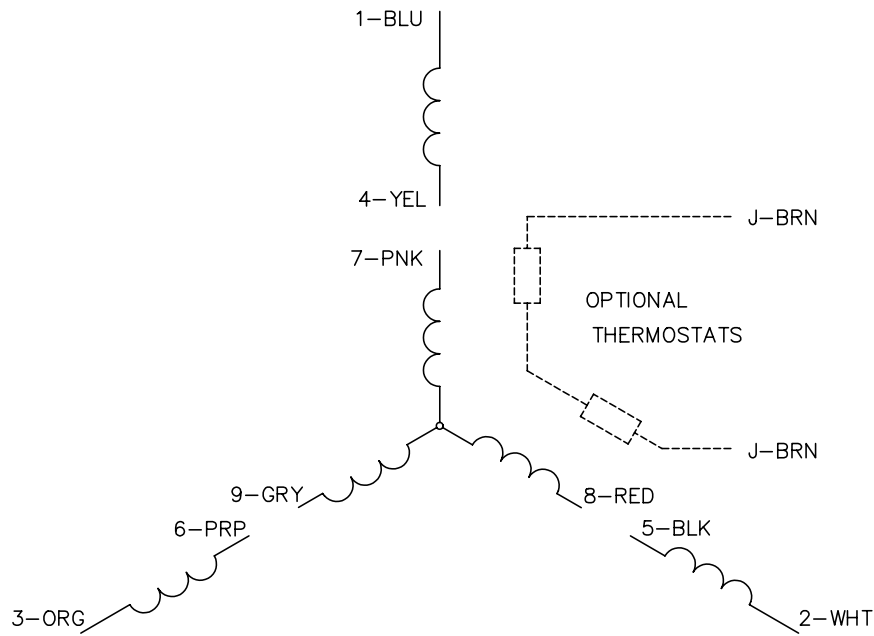
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HORZ 182-4T XPFC M CLI GP-D, CLII GP-F&G, INV W/EPACT STACKS

SH 1 of 1

36LYR726

CD0005

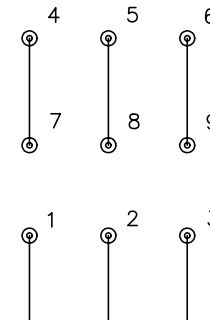


LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
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		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005

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