

**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	Front Shaft Indicator:	None
Enclosure:	XPFC	Heater Indicator:	No Heater
Frame:	182T	Insulation Class:	F
Frame Material:	Steel	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:	230.0 V @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
	190.0 V @ 50 HZ	Motor Lead Quantity/Wire Size:	9 @ 16 AWG
	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	380.0 V @ 50 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
Auxillary Box Lead Termination:	None	Rodent Screen:	None

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

<b>Nameplate NP0887XPSLEV</b>									
<b>NO.</b>					<b>CC</b>	010A			
<b>S/N</b>					<b>TEMP CODE</b>	T3C			
<b>SPEC.</b>	36R726S916G1				<b>INV. TYPE</b>	PWM			
<b>CAT.NO.</b>	XM181562T				<b>C HP FR</b>	60		<b>C HP TO</b>	90
<b>HP</b>	1.5//1				<b>CT HZ FROM</b>	1.8		<b>CT HZ TO</b>	60
<b>VOLTS</b>	230/460//190/380				<b>VT HZ FROM</b>	1.8		<b>VT HZ TO</b>	60
<b>AMPS</b>	4.8/2.4//4.2/2.1				<b>MAG CUR</b>	3/1.5			
<b>RPM</b>	1165//970				<b>MX RPM</b>	1800			
<b>HZ</b>	60//50		<b>PH</b>	3	<b>CL</b>	F			
<b>SER.F.</b>	1.00		<b>DES</b>	B	<b>SL HZ</b>	1.8		<b>NOM.EFF.</b>	87.5
<b>FRAME</b>	182T		<b>RATING</b>	40C AMB-CONT				<b>WK2</b>	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, MOBIL POLYREX EM - 124047	0.050 LB
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
MG1025G29	WILKOFAS, 789.229, DARK CHARCOAL GRAY	0.022 GA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
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 (2100/bx) 4/22	1.000 EA

**AC Induction Motor Performance Data**

Record # 73918

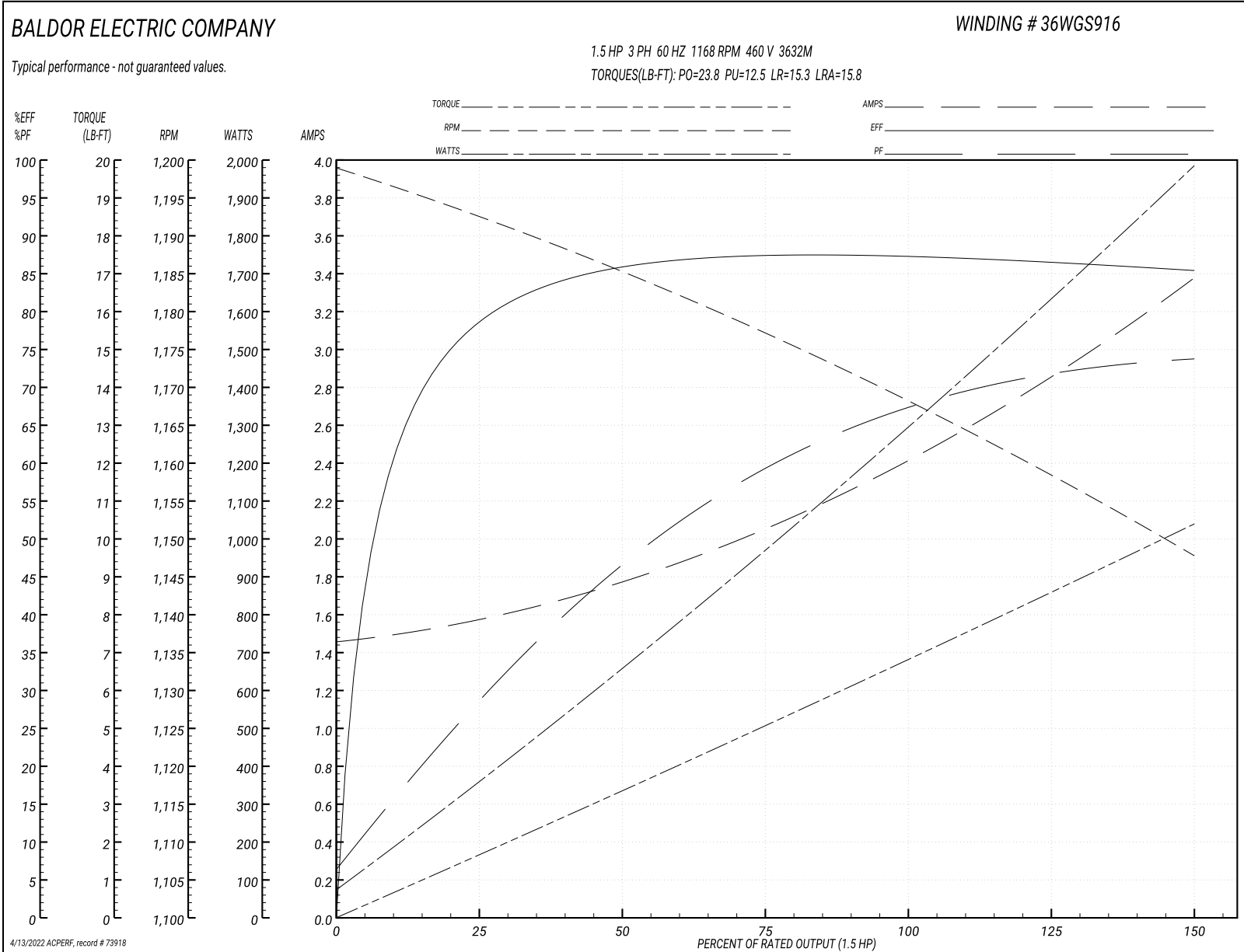
Typical performance - not guaranteed values

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

**Load Characteristics 460 V, 60 Hz, 1.5 HP**

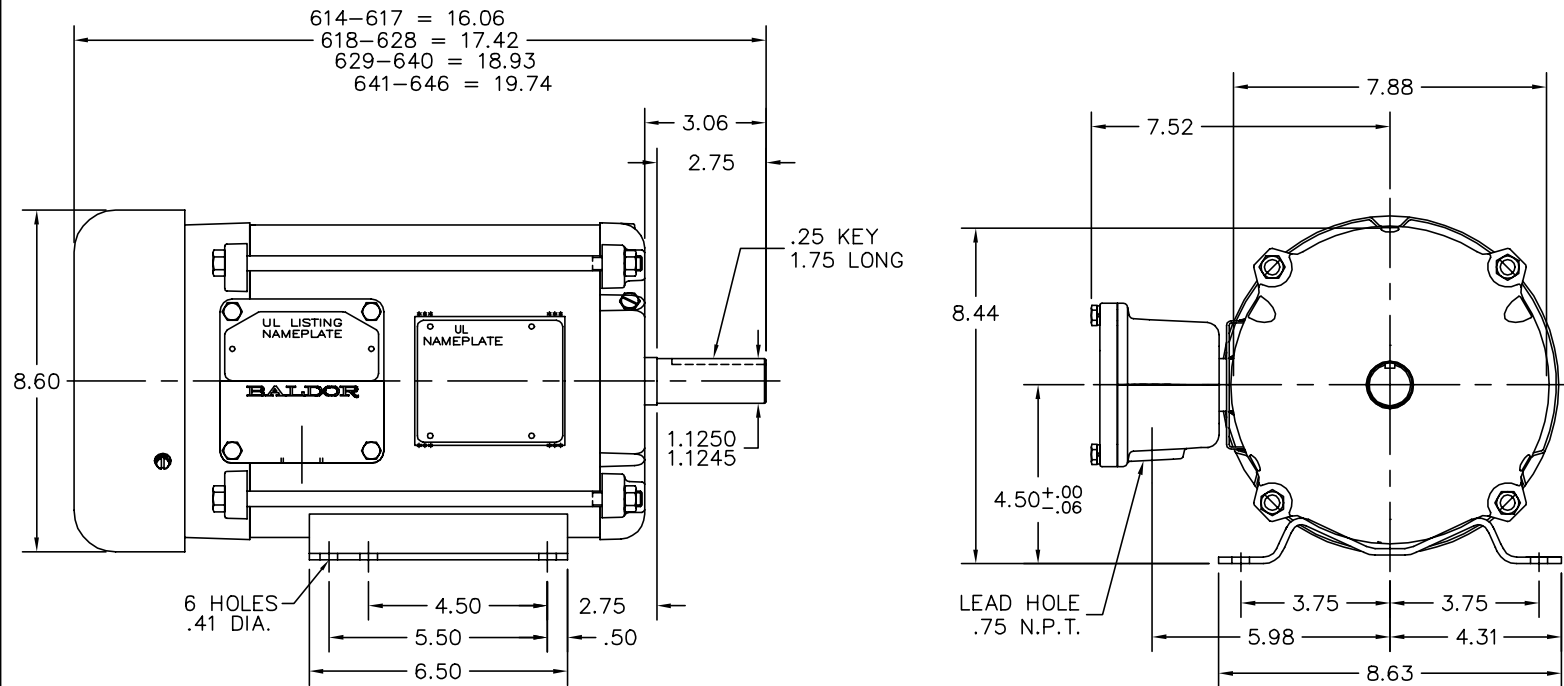
<b>% of Rated Load</b>	<b>25</b>	<b>50</b>	<b>75</b>	<b>100</b>	<b>125</b>	<b>150</b>
<b>Power Factor</b>	30	48	60	67	71	74
<b>Efficiency</b>	78.8	85.7	87.6	87.4	86.4	85.4
<b>Speed</b>	1192	1185	1177	1168	1158	1148
<b>Line amperes</b>	1.57	1.77	2.07	2.43	2.88	3.36

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: -		

**BALDOR - RELIANCE®**

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

90000

FILE: AAA00005140

MDL: -

MTL: -

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS

CD0005

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