BALDOR • RELIANCE

Product Information Packet

XM322562T

25//20HP,1180//985RPM,3PH,60//50HZ,324T

Part Detail

Revision:	-	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Elec. Spec:**	12WGY116	**CD Diagram:**	CD0180	**Mfg Plant:**	
Mech. Spec:		**Layout:**	12LYL018	**Poles:**	06	**Created Date:**	03-19-2021
Base:		**Eff. Date:**	04-15-2021	**Leads:**	9#8		

Specs

Catalog Number:	XM322562T	**Duty Rating:**	CONT
Enclosure:	XPFC	**Electrically Isolated Bearing:**	Not Electrically Isolated
Frame:	324T	**Feedback Device:**	NO FEEDBACK
Frame Material:	Iron	**Heater Indicator:**	No Heater
Output @ Frequency:	25.000 HP @ 60 HZ	**Insulation Class:**	F
	20.000 HP @ 50 HZ	**Inverter Code:**	Inverter Duty
Synchronous Speed @ Frequency:	1200 RPM @ 60 HZ	**IP Rating:**	NONE
Voltage @ Frequency:	190.0 V @ 50 HZ	**KVA Code:**	H
	460.0 V @ 60 HZ	**Lifting Lugs:**	Standard Lifting Lugs
	230.0 V @ 60 HZ	**Locked Bearing Indicator:**	Locked Bearing
	380.0 V @ 50 HZ	**Motor Lead Termination:**	Flying Leads
XP Class and Group:	CLI GP D; CLII GP F,G	**Motor Type:**	1260M
XP Division:	Division I	**Mounting Arrangement:**	F1
Agency Approvals:	UR	**Power Factor:**	79
	CSA EEV	**Product Family:**	General Purpose
	CSA	**Pulley Face Code:**	Standard
Auxillary Box:	No Auxillary Box	**Rodent Screen:**	None
Auxillary Box Lead Termination:	None	**Shaft Ground Indicator:**	No Shaft Grounding

Base Indicator:	Rigid	**Shaft Rotation:**	Reversible
Bearing Grease Type:	Polyrex EM (-20F +300F)	**Speed Code:**	Single Speed
Blower:	None	**Motor Standards:**	NEMA
Constant Torque Speed Range:	6	**Starting Method:**	Direct on line
Current @ Voltage:	63.000 A @ 230.0 V	**Thermal Device - Bearing:**	None
	62.000 A @ 190.0 V	**Thermal Device - Winding:**	Normally Closed Thermostat
	32.000 A @ 460.0 V	**Vibration Sensor Indicator:**	No Vibration Sensor
	31.000 A @ 380.0 V	**Winding Thermal 1:**	None
Design Code:	A	**Winding Thermal 2:**	None
Drip Cover:	No Drip Cover	**XP Temp Code:**	T3C

Nameplate NP0887XPSLEV

NO.					**CC**	010A			
S/N					**TEMP CODE**	T3C			
SPEC.	12-0000-2081				**INV.TYPE**	PWM			
CAT.NO.	XM322562T				**C HP FR**	60		**C HP TO**	90
HP	25//20				**CT HZ FROM**	6		**CT HZ TO**	60
VOLTS	230/460//190/380				**VT HZ FROM**	6		**VT HZ TO**	60
AMPS	63/32//62/31				**MAG CUR**	28/14			
RPM	1180//985				**MX RPM**	1500			
HZ	60//50	**PH**	3	**CL**	F	**NOM.EFF.**	93		
SER.F.	1.00	**DES**	A	**SL HZ**	1	**WK2**	11.5		
FRAME	324T	**RATING**	40C AMB-CONT						
	NEMA MG-1 PART 5, IP54								
	1.15 SF ON SINE WAVE								

Parts List

Part Number	Description	Quantity
SA392538	SA 12-0000-2081	1.000 EA
RA383104	RA 12-0000-2081	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0181	CONNECTION LABEL	1.000 EA
NP0887XPSLEV	SS XP INV UL CSA-EEV CC CL-I GP-D	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100/bx) 4/22	1.000 EA
LB1073	ALUM XP CAUTION LABEL	1.000 EA
12FH1001A01	FAN HOUSING 312 EXPLOSION PROOF MOTORS	1.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	3.000 EA
10XN3118K12	5/16-18 X .75 GRADE 5, ZINC PLATED	3.000 EA
09FN3001B03SP	EXTERNAL FAN, PLASTIC (COMES W/SCREW FRO	1.000 EA
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.200 LB
12EP1705A01	ENDPLATE, MACH. 312 - EXPLOSION PROOF 31	1.000 EA
HA3051A03	1/2-13X2.75 BLT GR8 1.75 TO E NC F/S	4.000 EA
HW1001A50	LOCKWASHER 1/2, ZINC PLT,.879 OD, .509 I	4.000 EA
HW5100A13	W4627-047 WVY WSHER	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
12EP1706A01	ENDPLATE, MACH. 312 - EXPLOSION PROOF 31	1.000 EA
HW1001A50	LOCKWASHER 1/2, ZINC PLT,.879 OD, .509 I	4.000 EA

Parts List (continued)

Part Number	Description	Quantity
HA3051A03	1/2-13X2.75 BLT GR8 1.75 TO E NC F/S	4.000 EA
10XN3118K40	5/16-18 X 2.75" HEX HD, GRADE 5	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
12CB1001A01	K.O.BOX, MACH X-PROOF, 1.50 NPT HOLE	1.000 EA
10XN3118K16	5/16-18 X 1' GRADE #5, STL, ZINC PLATE	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
WD1000B25	GND LUG, BURNDY L125HP OR T&B L125HP-BB	1.000 EA
19XW3118G08	.31-18X.50,HEX WSHR HD,TAPTITE 2,GREEN	1.000 EA
12CB1501A01	COND.BOX LID, MACH., X-PROOF, 310,312	1.000 EA
10XN3816K20	3/8-16 X 1.25 HEX HD CAP GRADE 5	6.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	6.000 EA
MG1025G29	WILKOFAST, 789.229, DARK CHARCOAL GRAY	0.125 GA
14PA1000	PACKAGING 314 GROUP COMBINED PRINT	1.000 EA
HW2501H33	KEY, 1/2 SQ X 3.875	1.000 EA

AC Induction Motor Performance Data
Record # 34364
Typical performance - not guaranteed values

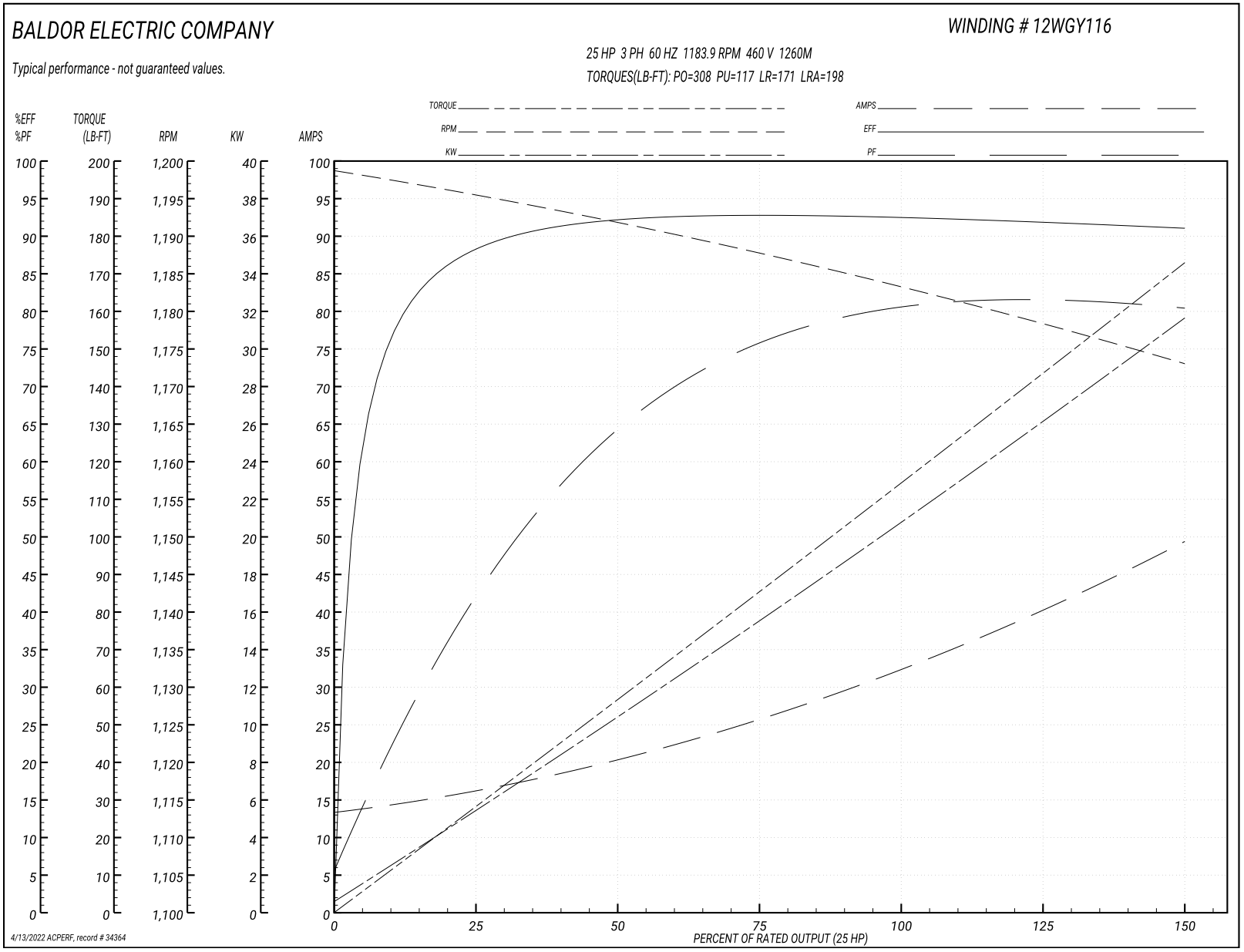
Winding: 12WGY116-R003	**Type:** 1260M	**Enclosure:** XPFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			25//20	**Full Load Torque**	111 LB-FT
Volts			230/460//190/380	**Start Configuration**	direct on line
Full Load Amps			63/32//62/31	**Breakdown Torque**	308 LB-FT
R.P.M.			1180//985	**Pull-up Torque**	117 LB-FT
Hz	60//50	**Phase**	3	**Locked-rotor Torque**	171 LB-FT
NEMA Design Code	A	**KVA Code**	H	**Starting Current**	198 A
Service Factor (S.F.)			1	**No-load Current**	13.8 A
NEMA Nom. Eff.	93	**Power Factor**	79	**Line-line Res. @ 25ºC**	0.27033 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	46°C
				Locked-rotor Power Factor	28
				Rotor inertia	11.5 LB-FT2

Load Characteristics 460 V, 60 Hz, 25 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	43	65	75	79	81	81
Efficiency	89.1	92.8	93.5	93.2	92.6	91.5
Speed	1195.4	1191.8	1188.2	1183.9	1179.3	1172.9
Line amperes	15.6	19.7	25.4	31.9	39.2	49.1

Performance Graph at 460V, 60Hz, 25.0HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data
Record # 34365
Typical performance - not guaranteed values

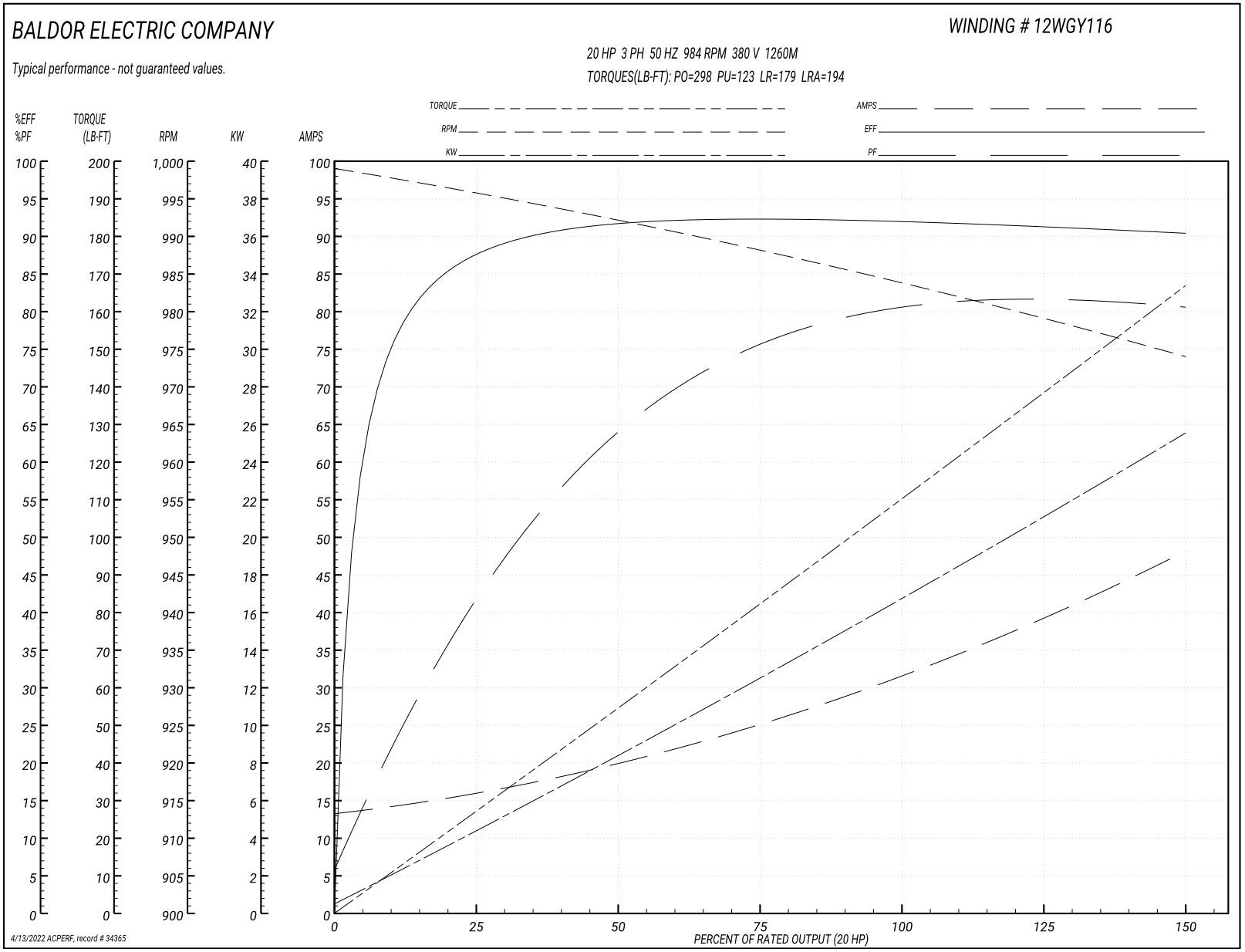
Winding: 12WGY116-R003	**Type:** 1260M	**Enclosure:** XPFC

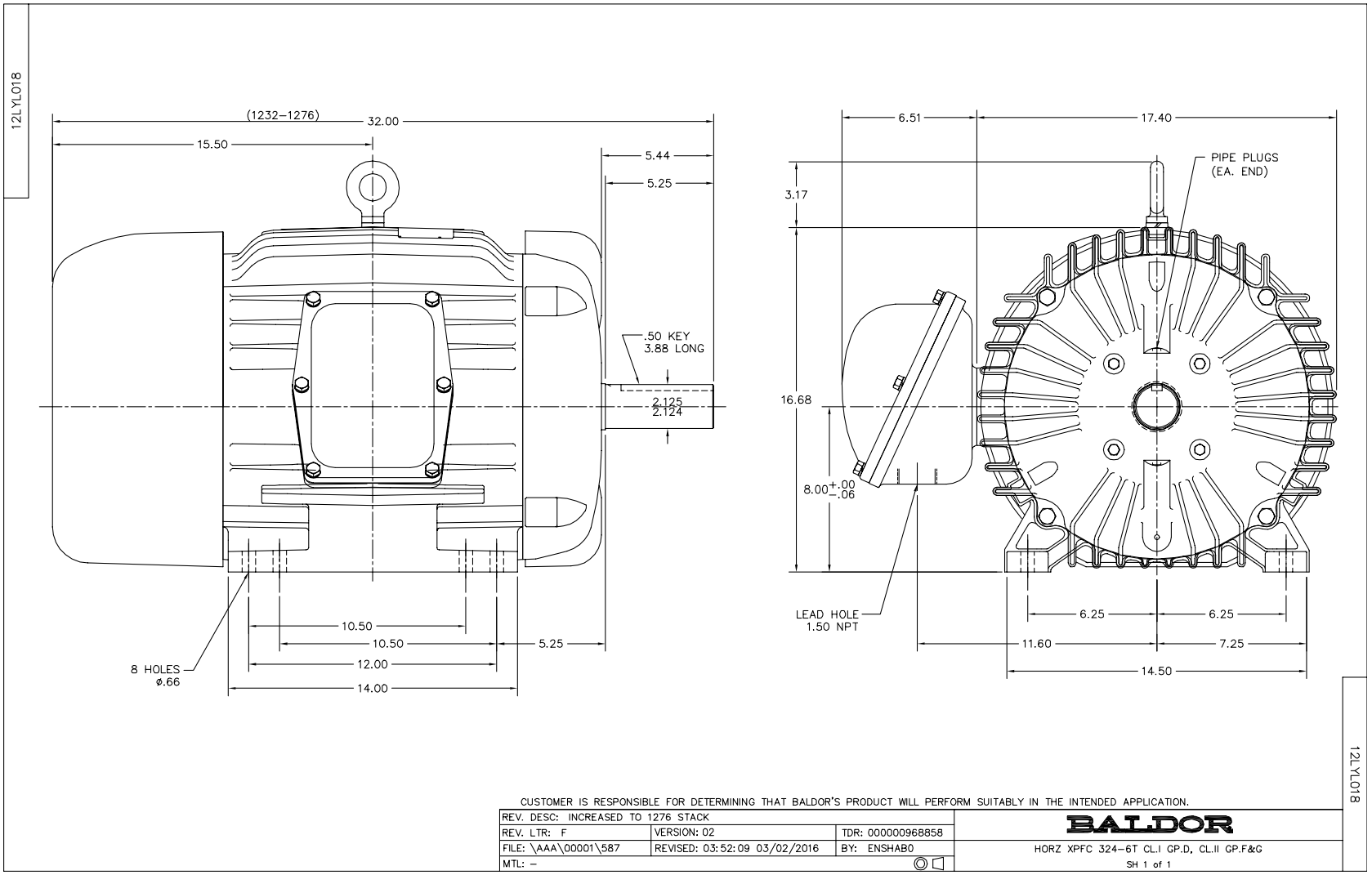
Nameplate Data				**380 V, 50 Hz: High Voltage Connection**	
Rated Output (HP)			25//20	**Full Load Torque**	107 LB-FT
Volts			230/460//190/380	**Start Configuration**	direct on line
Full Load Amps			63/32//62/31	**Breakdown Torque**	298 LB-FT
R.P.M.			1180//985	**Pull-up Torque**	123 LB-FT
Hz	60//50	**Phase**	3	**Locked-rotor Torque**	179 LB-FT
NEMA Design Code	A	**KVA Code**	H	**Starting Current**	194 A
Service Factor (S.F.)			1	**No-load Current**	13.7 A
NEMA Nom. Eff.	93	**Power Factor**	79	**Line-line Res. @ 25ºC**	0.274 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	44°C
				Locked-rotor Power Factor	32
				Rotor inertia	11.5 LB-FT2

Load Characteristics 380 V, 50 Hz, 20 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	43	65	75	79	81	81
Efficiency	86.4	91.2	92.2	92.3	91.6	90.3
Speed	996	992	989	984	980	974
Line amperes	15.4	19.3	24.8	31.1	38.2	47.9

Performance Graph at 380V, 50Hz, 20.0HP Typical performance - Not guaranteed values





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

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REV. LTR: F	VERSION: 02	TDR: 000000968858
FILE: \AAA\00001\587	REVISED: 03:52:09 03/02/2016	BY: ENSHAB0
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HORZ XPFC 324–6T CL.I GP.D, CL.II GP.F&G

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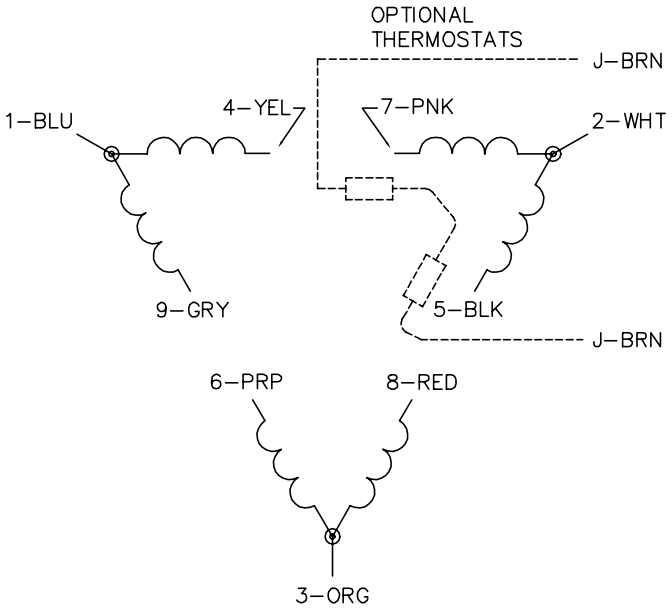

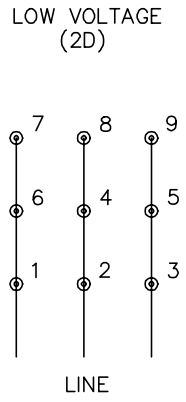

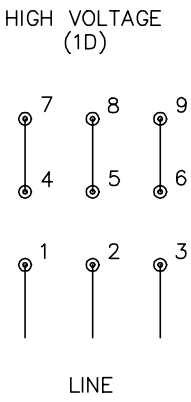

NOTES:

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.

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FILE: \AAA\00005\148	REVISED: 10:25:29 02/19/2019	BY: ENBRIR0
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3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1

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