

**BALDOR® • RELIANCE** 

**Product Information Packet**

**XM282522T**

**25HP,3520//2925RPM,3PH,60//50HZ,284TS,XP**

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	10WGZ273	CD Diagram:	CD0180	Mfg Plant:	
Mech. Spec:		Layout:	10LYE900	Poles:	02	Created Date:	06-24-2020
Base:		Eff. Date:	09-08-2020	Leads:	9#10		

Specs			
Catalog Number:	XM282522T	Duty Rating:	CONT
Enclosure:	XPFC	Electrically Isolated Bearing:	Not Electrically Isolated
Frame:	284TS	Feedback Device:	NO FEEDBACK
Frame Material:	Iron	Heater Indicator:	No Heater
Output @ Frequency:	20.000 HP @ 50 HZ	Insulation Class:	B
	25.000 HP @ 60 HZ	Inverter Code:	Inverter Duty
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	IP Rating:	NONE
Voltage @ Frequency:	230.0 V @ 60 HZ	KVA Code:	F
	190.0 V @ 50 HZ	Lifting Lugs:	Standard Lifting Lugs
	380.0 V @ 50 HZ	Locked Bearing Indicator:	Locked Bearing
	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	CLI GP D; CLII GP F,G	Motor Type:	1048M
XP Division:	Division I	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	90
	CSA EEV	Product Family:	Hazardous Location Motor
	CSA	Pulley Face Code:	Standard
Auxillary Box:	No Auxillary Box	Rodent Screen:	None
Auxillary Box Lead Termination:	None	RoHS Status:	ROHS NON-COMPLIANT

<b>Base Indicator:</b>	Rigid	<b>Shaft Ground Indicator:</b>	No Shaft Grounding
<b>Bearing Grease Type:</b>	Polyrex EM (-20F +300F)	<b>Shaft Rotation:</b>	Reversible
<b>Blower:</b>	None	<b>Speed Code:</b>	Single Speed
<b>Constant Torque Speed Range:</b>	6	<b>Motor Standards:</b>	NEMA
<b>Current @ Voltage:</b>	56.000 A @ 230.0 V	<b>Starting Method:</b>	Direct on line
	54.000 A @ 190.0 V	<b>Thermal Device - Bearing:</b>	None
	28.000 A @ 460.0 V	<b>Thermal Device - Winding:</b>	Normally Closed Thermostat
	27.000 A @ 380.0 V	<b>Vibration Sensor Indicator:</b>	No Vibration Sensor
<b>Design Code:</b>	B	<b>Winding Thermal 1:</b>	None
<b>Drip Cover:</b>	No Drip Cover	<b>Winding Thermal 2:</b>	None
		<b>XP Temp Code:</b>	T3C

<b>Nameplate NP0887XPSLEV</b>										
NO.						CC	010A			
S/N						TEMP CODE	T3C			
SPEC.	10-0000-1577					INV.TYPE	PWM			
CAT.NO.	XM282522T					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	56/28//54/27					MAG CUR	14/7			
RPM	3520//2925					MX RPM	5400			
HZ	60//50		PH	3		CL	F		NOM.EFF.	91.7
SER.F.	1.00		DES	B		SL HZ	1.3		WK2	2.07
FRAME	284TS		RATING	40C AMB-CONT						
	1.15SF ON SINEWAVE									
	NEMA MG-1,PT.5,IP54									

Parts List		
Part Number	Description	Quantity
SA385338	SA 10-0000-1577	1.000 EA
RA375579	RA 10-0000-1577	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	2.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100/bx) 4/22	1.000 EA
LB1073	ALUM XP CAUTION LABEL	1.000 EA
10FH1008A01	310 FAN HOUSING X-PROOF MACH.	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
37FN3002C03	EXFN, PLASTIC, 6.00 OD, 1.690 ID	1.000 EA
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.130 LB
WD4100A03	DE-750 HEYCO PLUG 62MP0750 MICRO PLASTIC	1.000 EA
10EP1701A01	FR ENDPLATE, MACH	1.000 EA
HA3050A03	3/8-16 X 2.25" GRADE 8 BOLT	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HW5100A11	W3917-042 WVY WSHR (WB)	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
10EP1709A08	PU ENDPLATE, X-PROOF W/LABYRINTH SHAFT G	1.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HA3050A03	3/8-16 X 2.25" GRADE 8 BOLT	4.000 EA
10XN2520K40	1/4-20 X 2-1/2 HEX HD CAPSCREW, GRADE 5,Z	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
12CB1001A02	K.O.BOX, MACH X-PROOF, 1.25 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	WILKOFAS, 789.229, DARK CHARCOAL GRAY	0.125 GA
12PA1000	PACKAGING GROUP PRINT PK1024A07	1.000 EA
HW2501G17	KEY, 3/8 SQ X 1.875	1.000 EA

**AC Induction Motor Performance Data**

Record # 66217

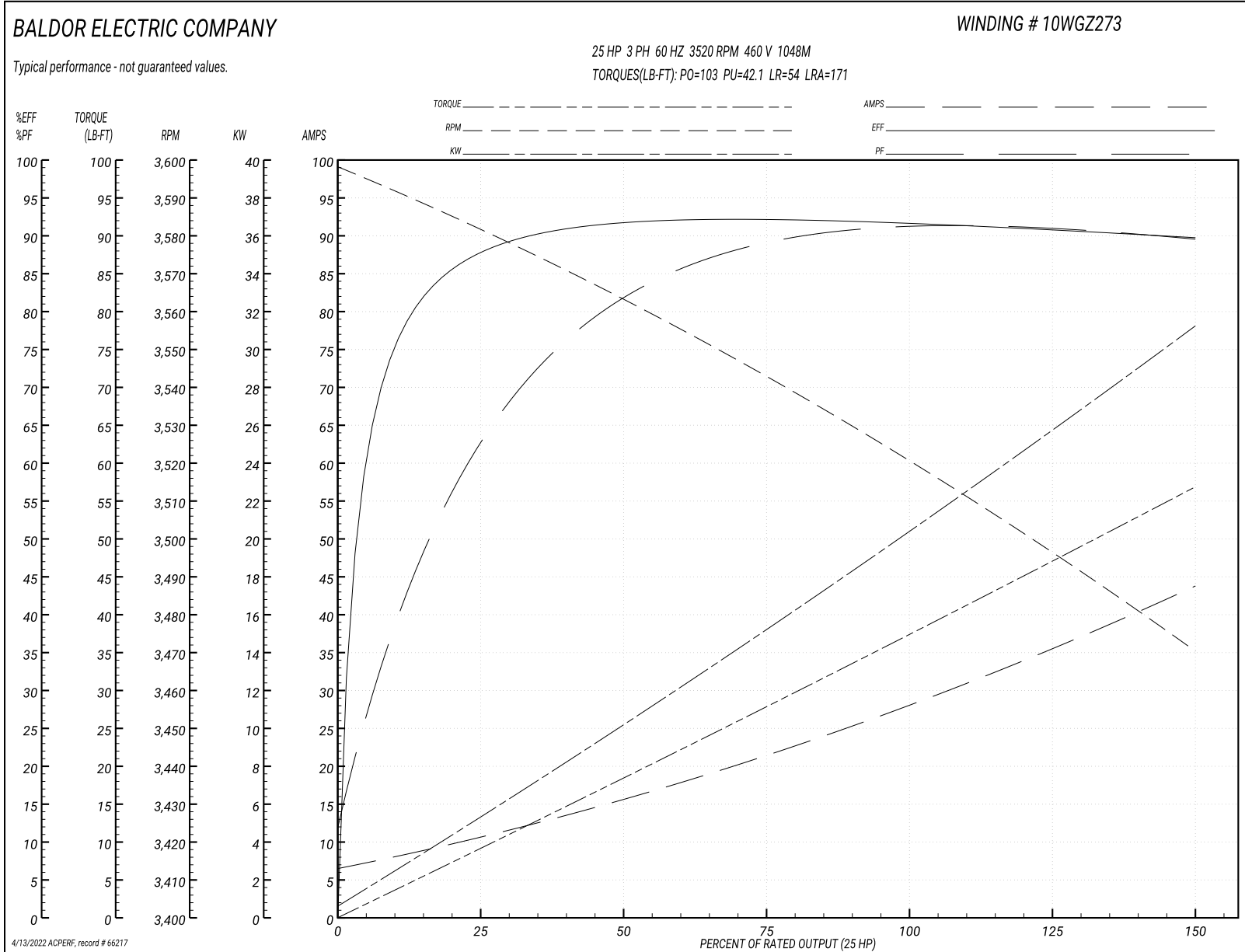
Typical performance - not guaranteed values

<b>Winding:</b> 10WGZ273-R010		<b>Type:</b> 1048M		<b>Enclosure:</b> XPFC	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: Single Voltage Motor</b>		
<b>Rated Output (HP)</b>	25	<b>Full Load Torque</b>	37.3 LB-FT		
<b>Volts</b>	230/460	<b>Start Configuration</b>	direct on line		
<b>Full Load Amps</b>	56/28	<b>Breakdown Torque</b>	103 LB-FT		
<b>R.P.M.</b>	3520	<b>Pull-up Torque</b>	42.1 LB-FT		
<b>Hz</b>	60 <b>Phase</b>	3	<b>Locked-rotor Torque</b>	54 LB-FT	
<b>NEMA Design Code</b>	<b>B KVA Code</b>	F	<b>Starting Current</b>	171 A	
<b>Service Factor (S.F.)</b>		1	<b>No-load Current</b>	6.99 A	
<b>NEMA Nom. Eff.</b>	91.7 <b>Power Factor</b>	90	<b>Line-line Res. @ 25°C</b>	0.29072 Ω	
<b>Rating - Duty</b>	40C AMB-CONT		<b>Temp. Rise @ Rated Load</b>	57°C	
			<b>Locked-rotor Power Factor</b>	23.3	
			<b>Rotor inertia</b>	2.06 LB-FT <sup>2</sup>	

**Load Characteristics 460 V, 60 Hz, 25 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>	69	83	89	90	90	90
<b>Efficiency</b>	87.8	91.6	92.2	91.8	90.9	89.7
<b>Speed</b>	3580.1	3563.2	3542.7	3521.3	3497	3469.9
<b>Line amperes</b>	10.1	15.4	21.7	28.3	35.7	43.5

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





**AC Induction Motor Performance Data**

Record # 75690

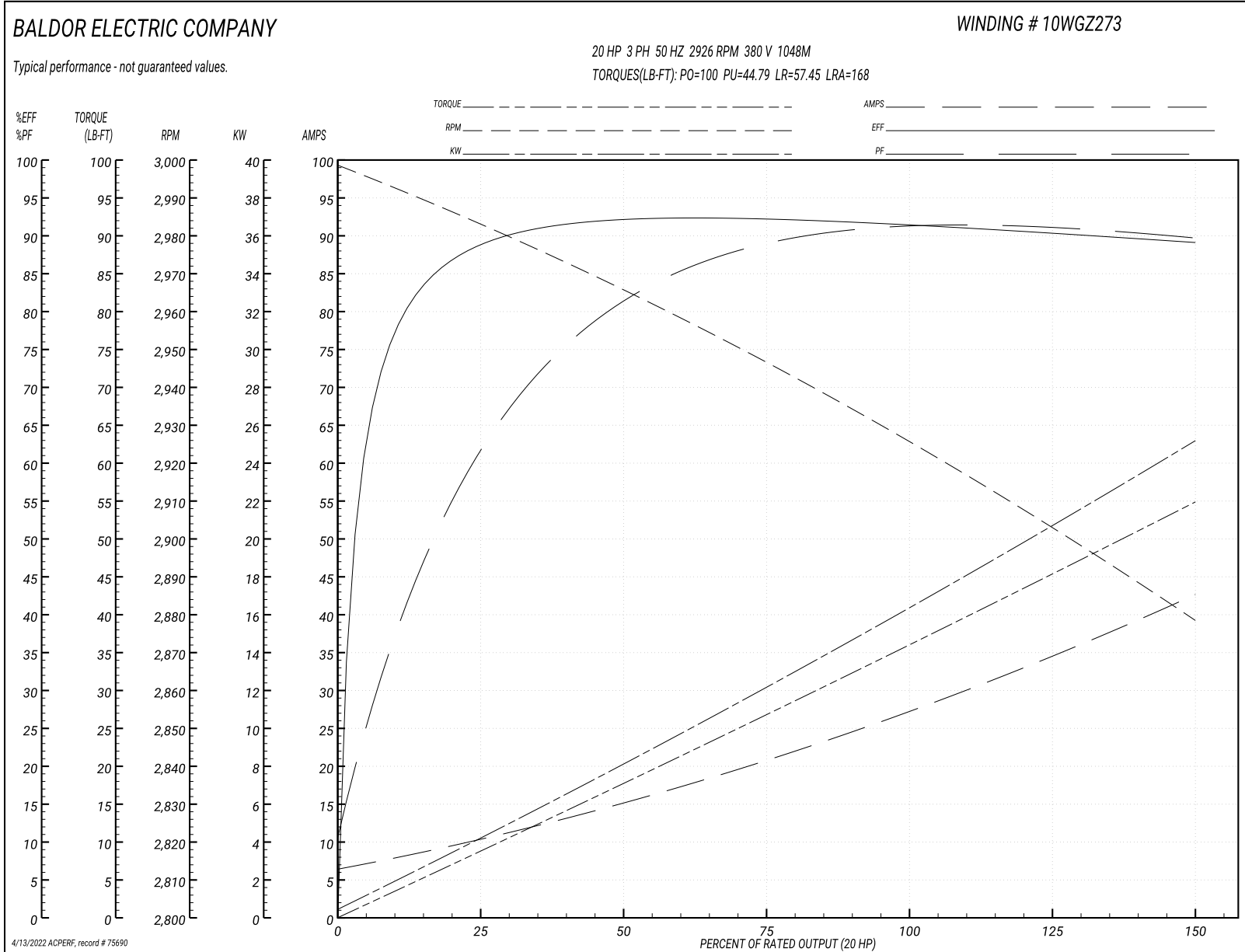
Typical performance - not guaranteed values

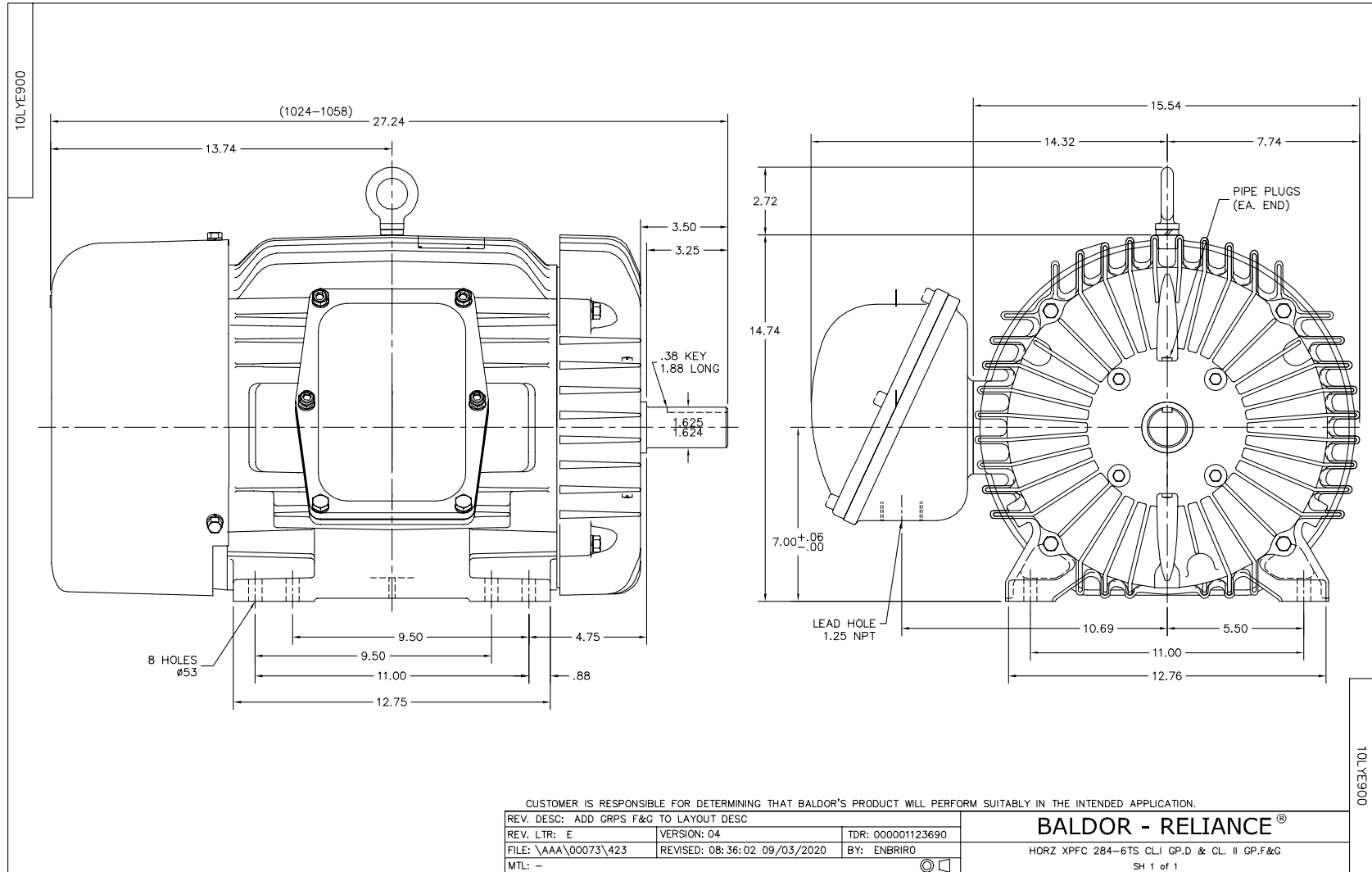
<b>Winding: 10WGZ273-R006</b>		<b>Type: 1048M</b>		<b>Enclosure: XPFC</b>	
<b>Nameplate Data</b>			<b>380 V, 50 Hz: High Voltage Connection</b>		
<b>Rated Output (HP)</b>	25//20		<b>Full Load Torque</b>	35.93 LB-FT	
<b>Volts</b>	230/460//190/380		<b>Start Configuration</b>	direct on line	
<b>Full Load Amps</b>	56/28//54/27		<b>Breakdown Torque</b>	100 LB-FT	
<b>R.P.M.</b>	3520//2955		<b>Pull-up Torque</b>	44.79 LB-FT	
<b>Hz</b>	60//50	<b>Phase</b>	3	<b>Locked-rotor Torque</b>	57.45 LB-FT
<b>NEMA Design Code</b>	B	<b>KVA Code</b>	F	<b>Starting Current</b>	168 A
<b>Service Factor (S.F.)</b>	1		<b>No-load Current</b>	6.91 A	
<b>NEMA Nom. Eff.</b>	91.7	<b>Power Factor</b>	90	<b>Line-line Res. @ 25°C</b>	0.295 Ω
<b>Rating - Duty</b>	40C AMB-CONT		<b>Temp. Rise @ Rated Load</b>	55°C	
<b>S.F. Amps</b>			<b>Temp. Rise @ S.F. Load</b>	69°C	
			<b>Locked-rotor Power Factor</b>	26.3	
			<b>Rotor inertia</b>	2.06 LB-FT <sup>2</sup>	

**Load Characteristics 380 V, 50 Hz, 20 HP**

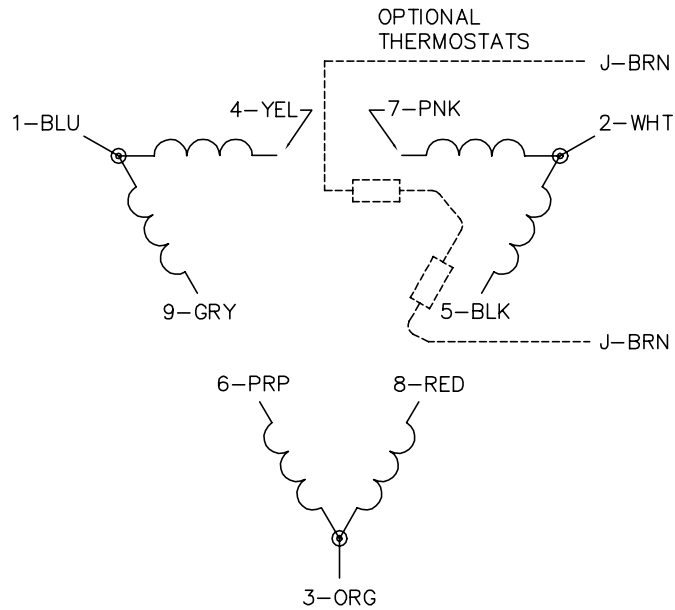
<b>% of Rated Load</b>	<b>25</b>	<b>50</b>	<b>75</b>	<b>100</b>	<b>125</b>	<b>150</b>
<b>Power Factor</b>	67	82	88	90	90	90
<b>Efficiency</b>	88.7	92	92.2	91.5	90.4	89
<b>Speed</b>	2982	2966	2946	2926	2904	2878
<b>Line amperes</b>	9.81	14.92	21.05	27.48	34.66	42.37

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





CD0180



LOW VOLTAGE  
(2D)



HIGH VOLTAGE  
(1D)



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.

CD0180

REV. DESC: ADD CLASS CONN00000007		
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FILE: \AAA\00005\148	REVISED: 10:25:29 02/19/2019	BY: ENBRIRO
MTL: -	© □	

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3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1

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