BALDOR • RELIANCE

Product Information Packet

EM7060T

30//25HP,1770//1470RPM,3PH,60//50HZ,286T

Part Detail

Revision:	T	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Elec. Spec:**	10WGY758	**CD Diagram:**	CD0005	**Mfg Plant:**	
Mech. Spec:	10E106	**Layout:**	10LYE106	**Poles:**	04	**Created Date:**	04-29-2010
Base:	RG	**Eff. Date:**	09-02-2020	**Leads:**	9#10		

Specs

Catalog Number:	EM7060T	**Front Shaft Indicator:**	None
Enclosure:	XPFC	**Heater Indicator:**	No Heater
Frame:	286T	**Insulation Class:**	F
Frame Material:	Iron	**Inverter Code:**	Not Inverter
Output @ Frequency:	25.000 HP @ 50 HZ	**KVA Code:**	G
	30.000 HP @ 60 HZ	**Lifting Lugs:**	Standard Lifting Lugs
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	**Locked Bearing Indicator:**	Locked Bearing
Voltage @ Frequency:	380.0 V @ 50 HZ	**Motor Lead Quantity/Wire Size:**	9 @ 10 AWG
	230.0 V @ 60 HZ	**Motor Lead Exit:**	Ko Box
	190.0 V @ 50 HZ	**Motor Lead Termination:**	Flying Leads
	460.0 V @ 60 HZ	**Motor Type:**	X1056M
XP Class and Group:	CLI GP D; CLII GP F,G	**Mounting Arrangement:**	F1
XP Division:	Division I	**Power Factor:**	83
Agency Approvals:	UL	**Product Family:**	General Purpose
	CSA	**Pulley End Bearing Type:**	Ball
Auxillary Box:	No Auxillary Box	**Pulley Face Code:**	Standard
Auxillary Box Lead Termination:	None	**Pulley Shaft Indicator:**	Standard
Base Indicator:	Rigid	**Rodent Screen:**	None

Bearing Grease Type:	Polyrex EM (-20F +300F)	**Shaft Extension Location:**	Pulley End
Blower:	None	**Shaft Ground Indicator:**	No Shaft Grounding
Current @ Voltage:	74.000 A @ 190.0 V	**Shaft Rotation:**	Reversible
	76.000 A @ 208.0 V	**Shaft Slinger Indicator:**	No Slinger
	72.000 A @ 230.0 V	**Speed Code:**	Single Speed
	37.000 A @ 380.0 V	**Motor Standards:**	NEMA
	36.000 A @ 460.0 V	**Starting Method:**	Direct on line
Design Code:	A	**Thermal Device - Bearing:**	None
Drip Cover:	No Drip Cover	**Thermal Device - Winding:**	Normally Closed Thermostat
Duty Rating:	CONT	**Vibration Sensor Indicator:**	No Vibration Sensor
Electrically Isolated Bearing:	Not Electrically Isolated	**Winding Thermal 1:**	None
Feedback Device:	NO FEEDBACK	**Winding Thermal 2:**	None
Front Face Code:	Standard	**XP Temp Code:**	T3C

Nameplate NP1426XPSLEV

NO.		CC	010A			
SER.						
SPEC.	10E106Y758G1					
CAT.NO.	EM7060T					
HP	30//25	T. CODE	T3C			
VOLTS	230/460//190/380					
AMPS	72/36//74/37					
RPM	1770//1470					
HZ	60//50	PH	3	CL	F	
SER.F.	1.00	DES	A	CODE	G	
RATING	40C AMB-CONT					
FRAME	286T	NEMA-NOM-EFF	93.6			
USABLE AT 208V	76	PF	83			
BLANK						

Parts List

Part Number	Description	Quantity
SA194216	SA 10E106Y758G1	1.000 EA
RA181804	RA 10E106Y758G1	1.000 EA
09FN3001C02	EXTERNAL FAN, PLASTIC	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
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	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
10EP1709A08	PU ENDPLATE, X-PROOF W/LABYRINTH SHAFT G	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
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
10FH1008A01	310 FAN HOUSING X-PROOF MACH.	1.000 EA
10XN3118K12	5/16-18 X .75 GRADE 5, ZINC PLATED	3.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	3.000 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

Parts List (continued)

Part Number	Description	Quantity
HW2501H28	KEY, 1/2 SQ X 3.250	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1073	ALUM XP CAUTION LABEL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 3/19	1.000 EA
WD4100A03	DE-750 HEYCO PLUG 62MP0750 MICRO PLASTIC	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.130 LB
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
MG1025G05	WILKOFAST, 789.227, MED. GRAY CHAR. MET.	0.125 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP1426XPSLEV	SS XP UL CSA-EEV CC CL-I GP-D	1.000 EA
12PA1000	PACKAGING GROUP PRINT PK1024A06	1.000 EA

AC Induction Motor Performance Data
Record # 53248
Typical performance - not guaranteed values

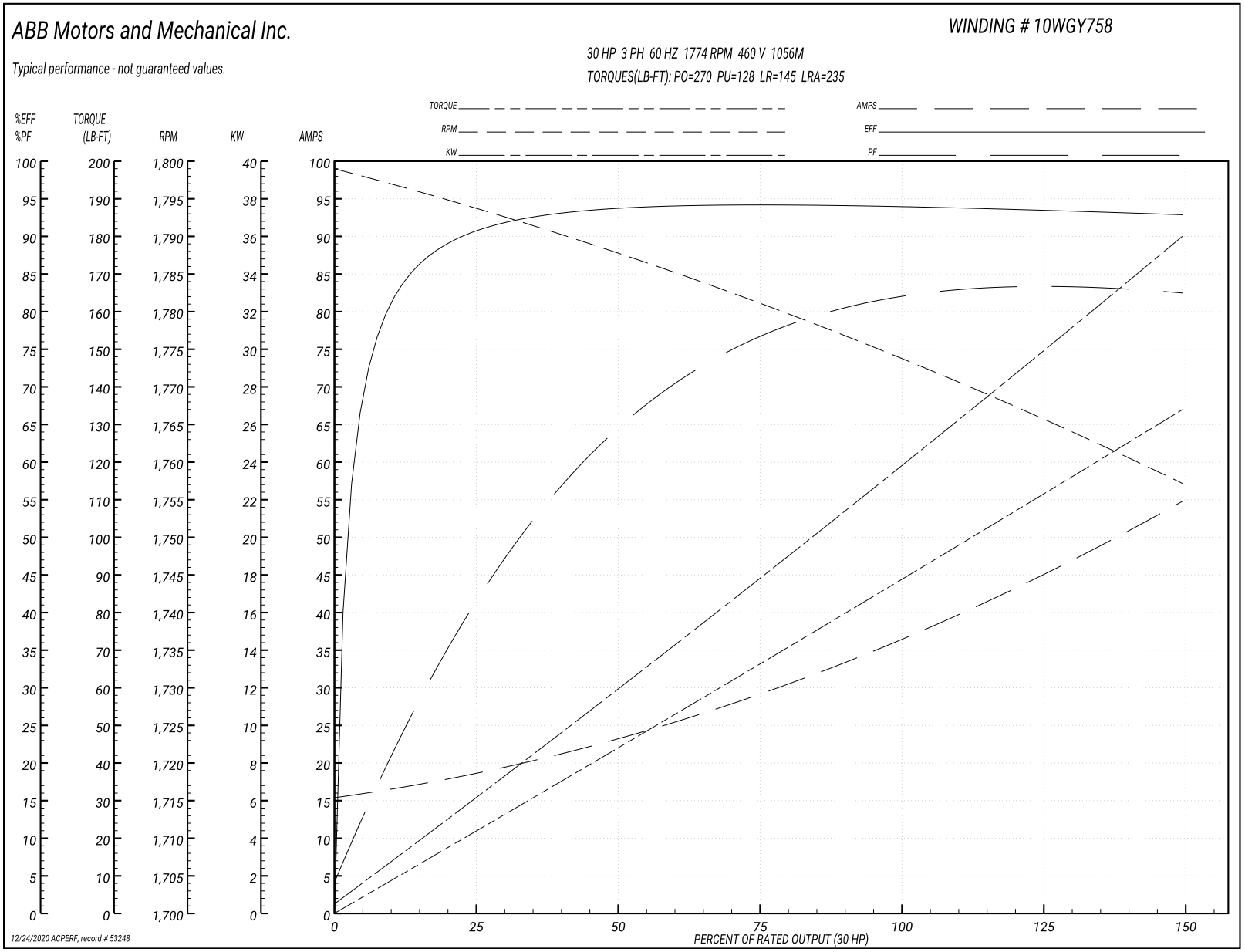
Winding: 10WGY758-R017	**Type:** 1056M	**Enclosure:** XPFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			30//25	**Full Load Torque**	89.1 LB-FT
Volts			230/460//190/380	**Start Configuration**	direct on line
Full Load Amps			72/36//74/37	**Breakdown Torque**	270 LB-FT
R.P.M.			1770//1470	**Pull-up Torque**	128 LB-FT
Hz	60//50	**Phase**	3	**Locked-rotor Torque**	145 LB-FT
NEMA Design Code	B	**KVA Code**	G	**Starting Current**	235 A
Service Factor (S.F.)			1	**No-load Current**	15.9 A
NEMA Nom. Eff.	93.6	**Power Factor**	83	**Line-line Res. @ 25ºC**	0.226 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	57°C
				Locked-rotor Power Factor	32
				Rotor inertia	4.45 LB-FT2

Load Characteristics 460 V, 60 Hz, 30 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	44	66	75	83	83	83
Efficiency	90.6	93.7	94.3	94	93.2	93
Speed	1794	1787	1781	1774	1766	1757
Line amperes	17.9	23	30.1	36.2	45.3	54.5

Performance Graph at 460V, 60Hz, 30.0HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data
Record # 53249
Typical performance - not guaranteed values

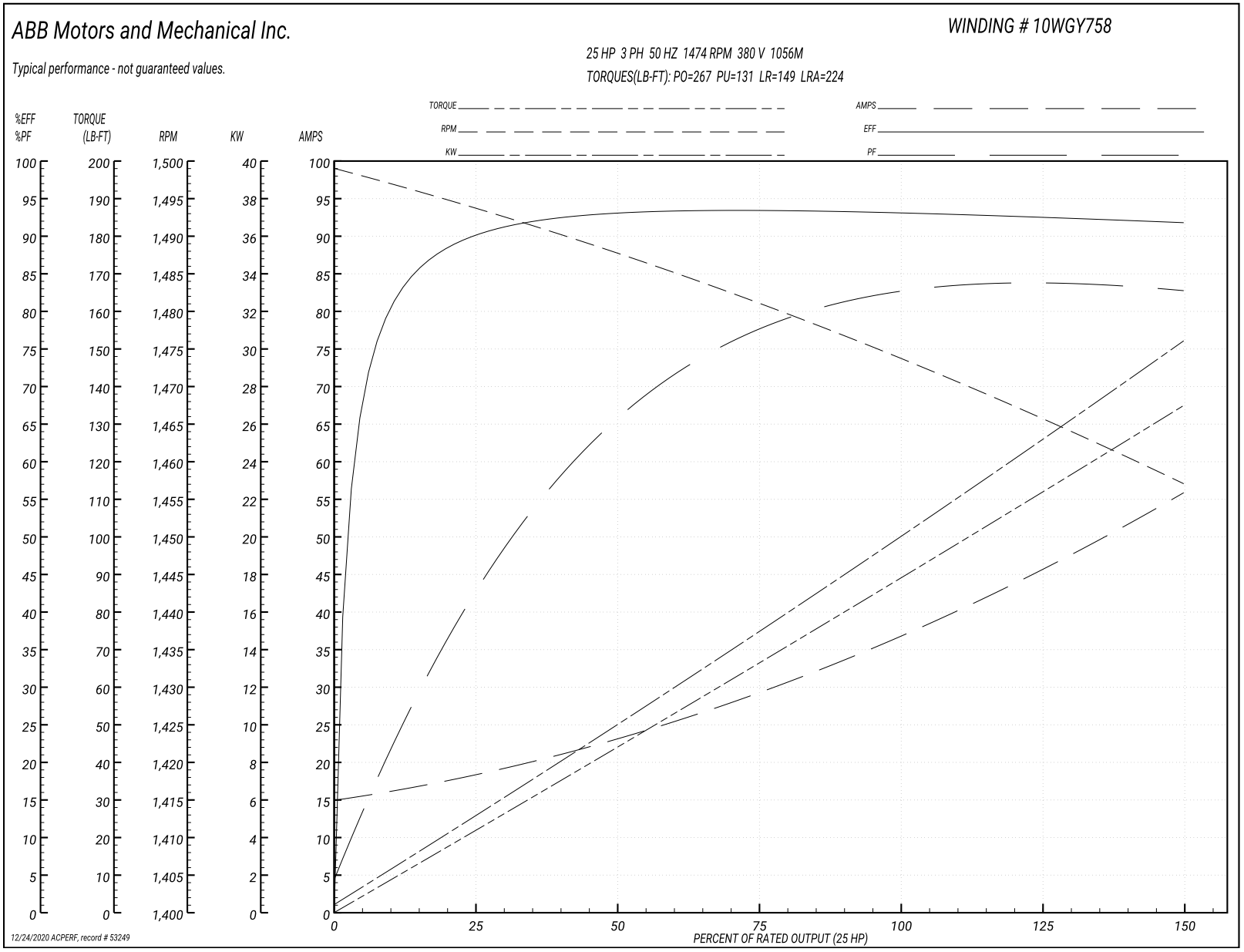
Winding: 10WGY758-R017	**Type:** 1056M	**Enclosure:** XPFC

Nameplate Data				**380 V, 50 Hz: High Voltage Connection**	
Rated Output (HP)			30//25	**Full Load Torque**	89.3 LB-FT
Volts			230/460//190/380	**Start Configuration**	direct on line
Full Load Amps			72/36//74/37	**Breakdown Torque**	267 LB-FT
R.P.M.			1770//1470	**Pull-up Torque**	131 LB-FT
Hz	60//50	**Phase**	3	**Locked-rotor Torque**	149 LB-FT
NEMA Design Code	B	**KVA Code**	G	**Starting Current**	224 A
Service Factor (S.F.)			1	**No-load Current**	15.5 A
NEMA Nom. Eff.	93.6	**Power Factor**	83	**Line-line Res. @ 25ºC**	0.226 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	57°C
				Locked-rotor Power Factor	35
				Rotor inertia	4.45 LB-FT2

Load Characteristics 380 V, 50 Hz, 25 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	45	67	76	83	83	83
Efficiency	90	93.2	93.7	93.4	91.9	92
Speed	1494	1487	1481	1474	1466	1457
Line amperes	17.6	22.9	30.2	36.5	45.9	55.5

Performance Graph at 380V, 50Hz, 25.0HP Typical performance - Not guaranteed values



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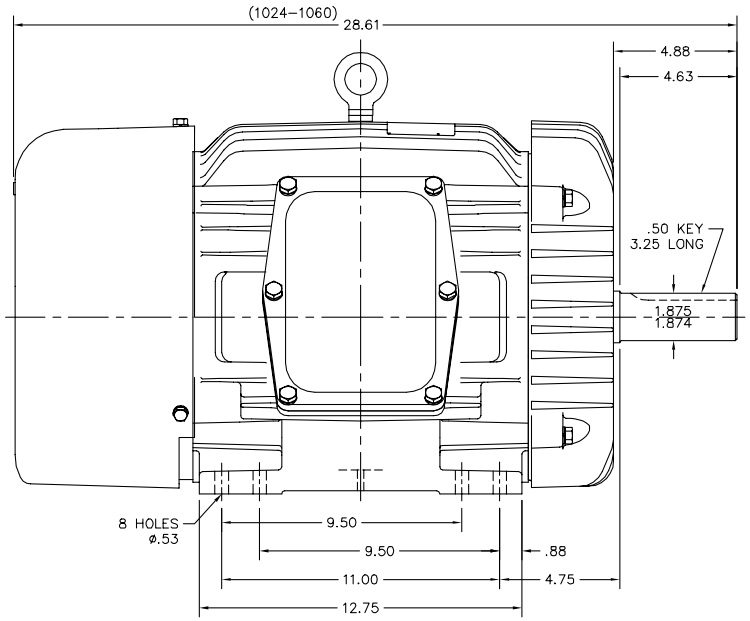

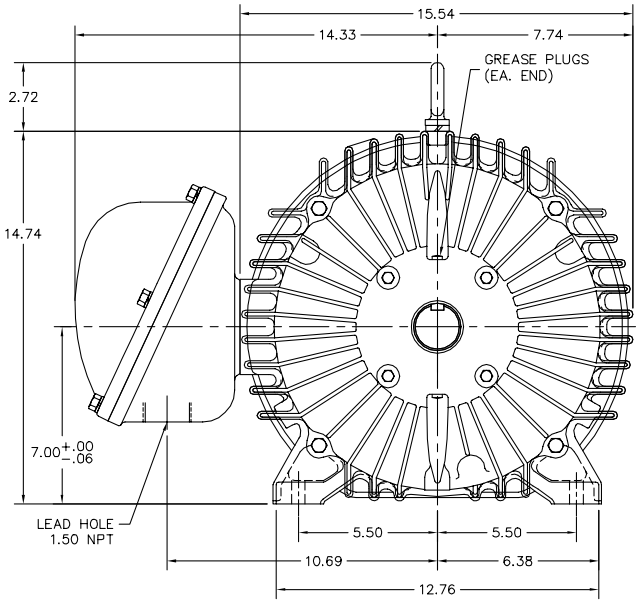

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CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

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REV. LTR: L	VERSION: 03	TDR: 000000927404
FILE: \AAA\00001\944	REVISED: 01:28:52 06/09/2015	BY: ENCARCO
MTL: –		

BALDOR

HORZ XPFC 284–6T CL.I GP.D,CL.II GP.F&G

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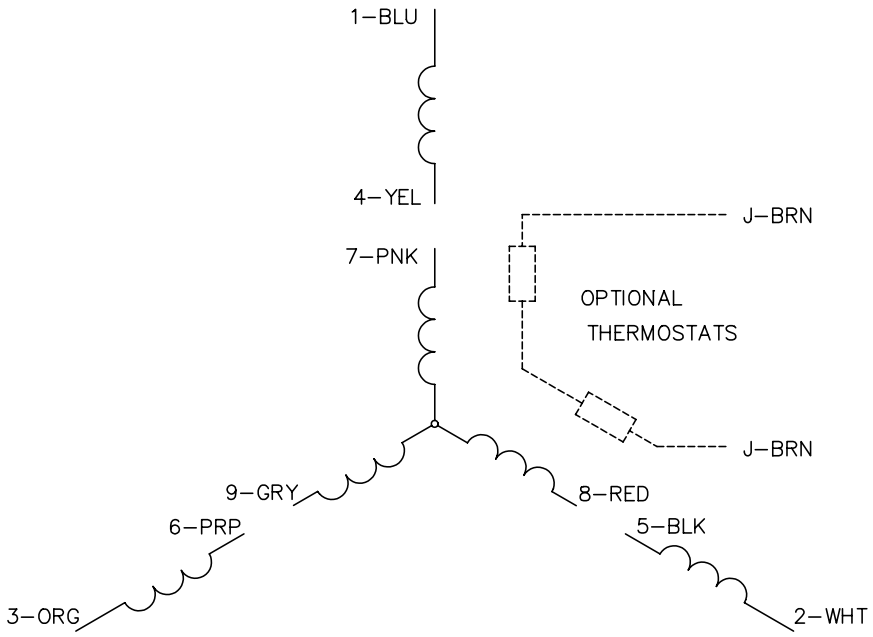

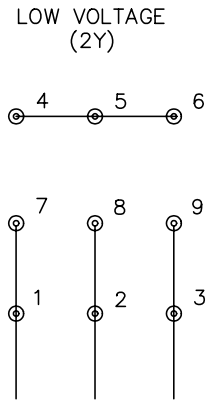

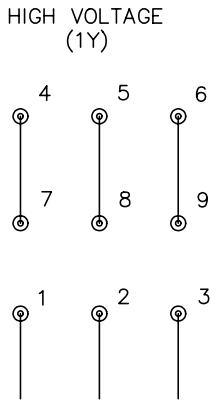

NOTES:

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.

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

CD0005

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