ABB BALDOR RELIANCE

Customer information packet

ZDM2332T

60M 6P TEBC HOR 256TC T'STATS VECTOR
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEBC
Frame	256TC
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CSA
	UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	BLOWER
Current @ Voltage	14.200 A @ 460.0 V
	28.400 A @ 230.0 V
	30.000 A @ 208.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	ENCODER
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	14.2 a

Part Detail

Revision	G
Type	AC
Mech. spec.	09T110
Base	
Status	PRD/A
Elec. spec.	09WGX826
Layout	09LYT110
Eff. date	08-28-2025
CD Diagram	CD0180
Poles	06
Leads	9#12
Proprietary	False
Created date	03-13-2019

Insulation Class	H
Inverter Code	Inverter Duty
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	5000 rpm
Motor Lead Quantity/Wire Size	9 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0960M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	29.41 IN
Power Factor	72
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	1.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1180 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1168L							
CAT NO	ZDM2332T						
SPEC.	09T110X826Z1						
FRAME	256TC		**HP**	10 TE			
VOLTS	230/460						
MAG CUR	14.4/7.2			**FLA**	28.4/14.2		
RPM	1180		**RPM MAX**	5000			
HZ	60	**PH**	3	**CLASS**	H		
SER.F.	1.00	**DES**	A	**SL HZ**	0.95		
NEMA-NOM-EFF	91	**WK2**	4.82				
BLWR V		**PH**		**HZ**		**A**	
RATING	40C AMB-CONT						
DE BRG	6309		**ODE BRG**	6208			
CC	010A	**SER.NO**					
	1000:1 CT, 1000:1 VT						

NP VOLTS	230/460	MAX SAFE RPM	5000	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
NP AMPS	28.4/14.2	Base Volt	460	R1	0.357	X1	2.070
HP	10HP	NL AMPS	7.2	R2	0.298	X2	2.150
BASE SPEED	1180	Slips (Hz)	0.95			XM	33.700
PHASE/HZ	3/60	WK^2 (lb-ft^2)	4.82				

Rated Full Load Data

	RPM	HP	Torque	Volts	Freq-Hz	Amps
Base Speed	1181	10.0	44.4	460	60	14.2
Max Speed	1771	10.0	29.6	460	90	13.1
Min Speed	0	0.0	44.4	23.34	0.95	14.2

Load Performance at Base Speed

	RPM	HP	Torque	Volts	Freq-Hz	Amps
No Load	1199	0.0	0.0	460	60	7.2
1/4	1196	2.5	11.1	460	60	8.0
1/2	1191	5.0	22.2	460	60	9.4
3/4	1186	7.5	33.3	460	60	11.6
Full Load	1181	10.0	44.4	460	60	14.2
O/L	1159	20.0	90.4	460	60	27.2

Blower Data	Volts	Ph/Hz	FL Amps	LR Amps	Frame	CFM

Remarks: Calculated Data
Vector PWM Inverter Duty

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DR BY	BR
CK BY	
APP BY	BR
DATE	3/28/2017

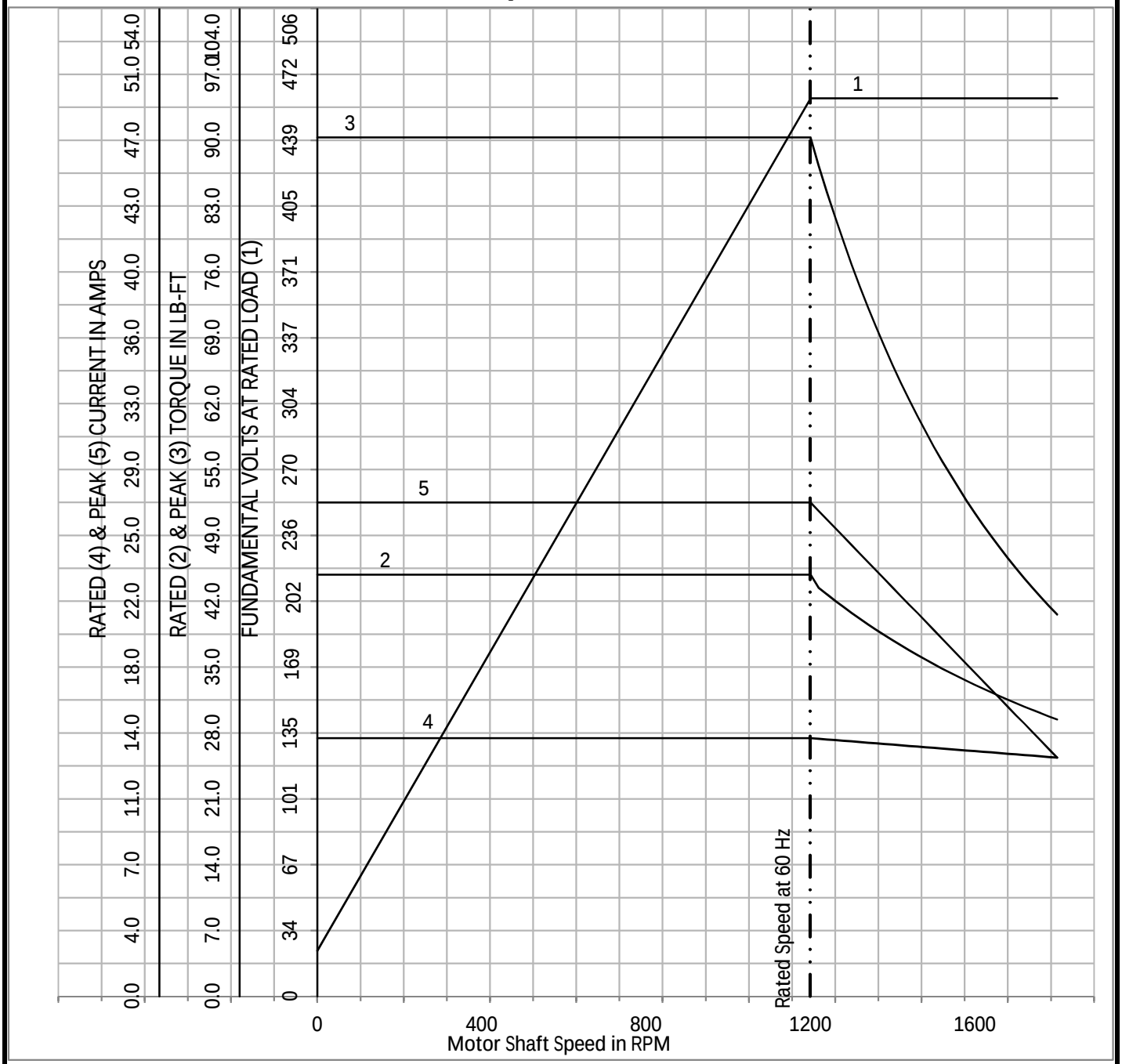
A-C MOTOR PERFORMANCE CURVES

09WGX826

NP VOLTS	230/460	MAX SAFE RPM	5000	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)			
NP AMPS	28.4/14.2	Base Volt	460	R1	0.357	X1	2.070
HP	10HP	NL AMPS	7.15	R2	0.298	X2	2.150
BASE SPEED	1180	Slips (Hz)	0.95			XM	33.700
PHASE/HZ	3/60	WK2 (lb-ft2)	4.82				

Vector PWM Inverer Duty

Variable Speed AC Motor Curves



Calculated Data

Data Valid For Nameplate Speed Range only

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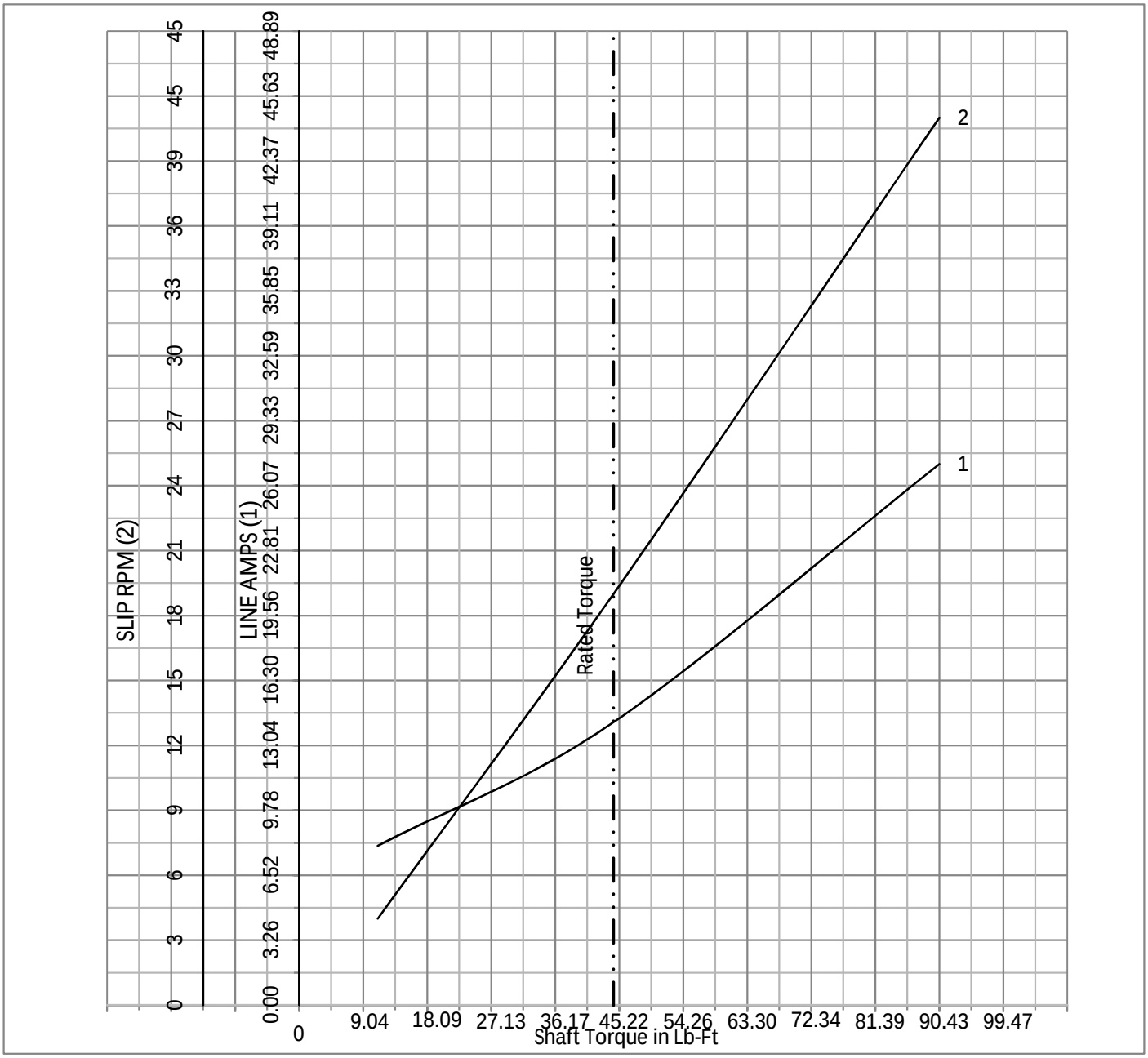
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PHASE/HZ	3/60	WK2 (lb-ft2)	4.82				

Vector PWM Inverer Duty

Vaiable Speed AC Motor Curves



Calculated Data

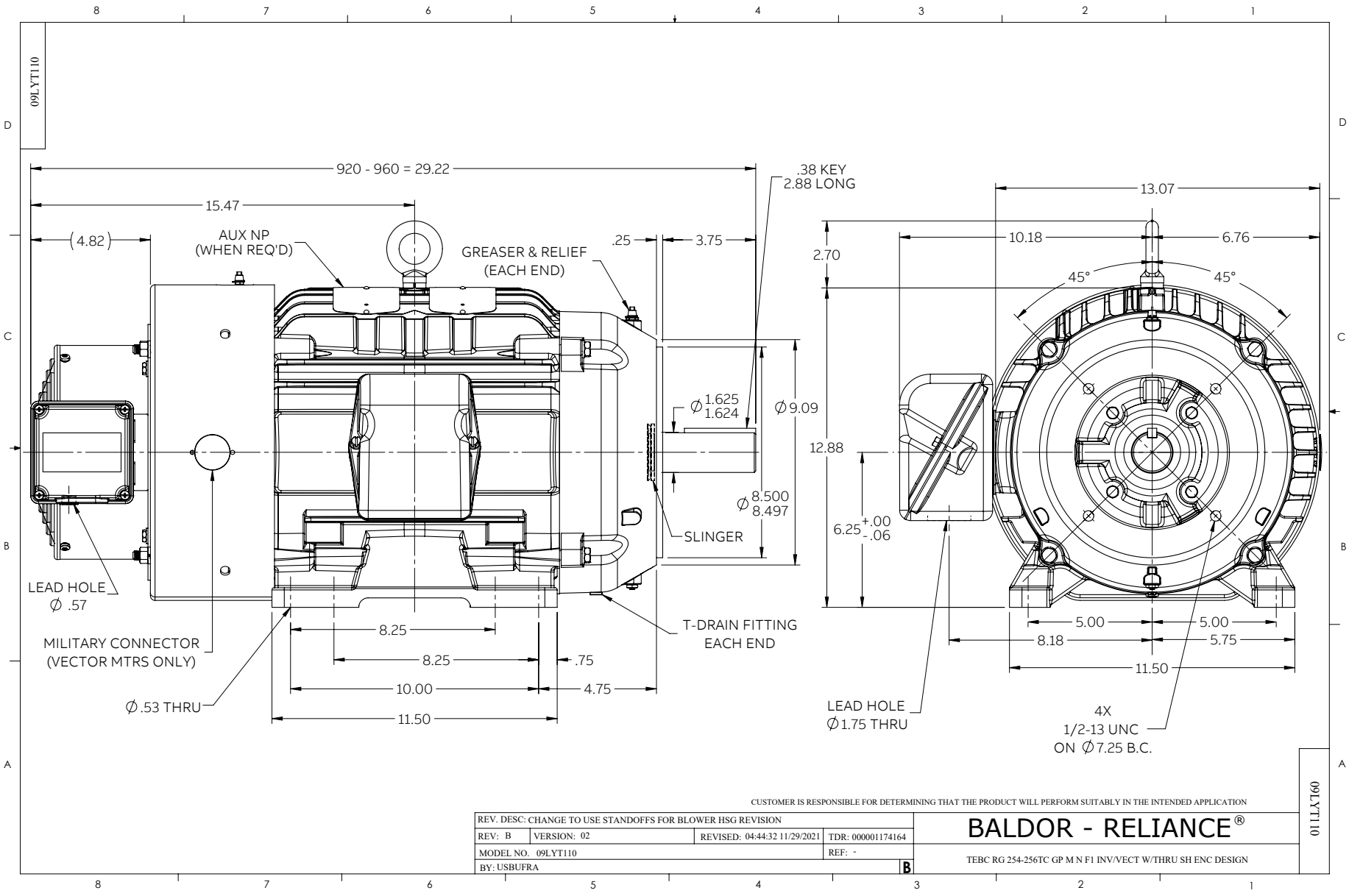
Data Valid For Nameplate Speed Range only

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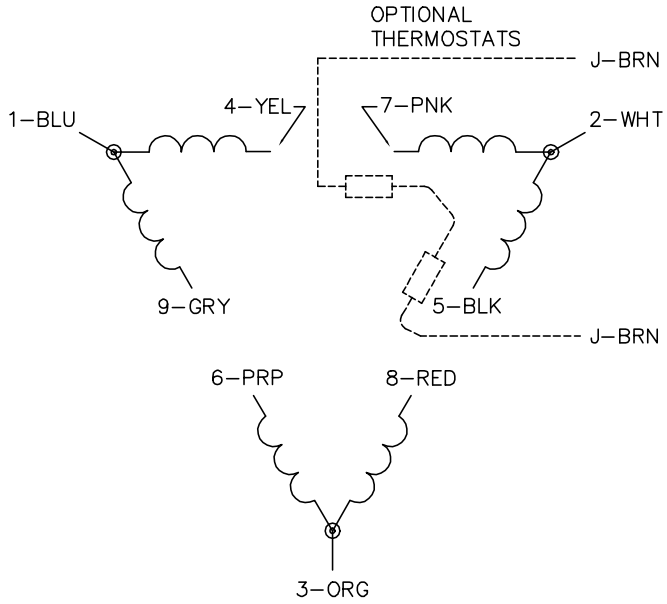
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APP BY	BR
DATE	3/28/2017

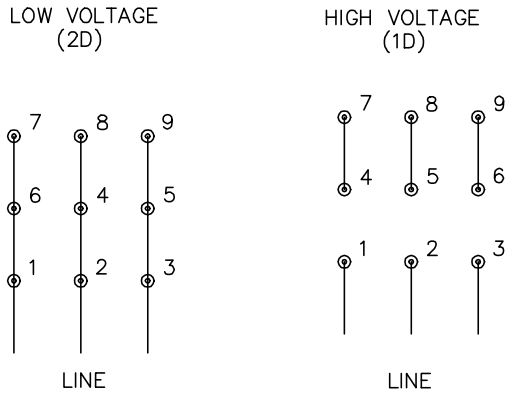
A-C MOTOR PERFORMANCE CURVES

09WGX826


09LYT110
920 - 960 = 29.22
15.47
4.82
AUX NP
(WHEN REQ'D)
GREASER & RELIEF
(EACH END)
.25
3.75
.38 KEY
2.88 LONG
Ø1.625
1.624
Ø9.09
Ø8.500
8.497
SLINGER
LEAD HOLE
Ø .57
MILITARY CONNECTOR
(VECTOR MTRS ONLY)
Ø.53 THRU
8.25
8.25
.75
10.00
4.75
11.50
T-DRAIN FITTING
EACH END
13.07
10.18
6.76
2.70
45°
45°
12.88
6.25 +.00 -.06
5.00
5.00
8.18
5.75
11.50
LEAD HOLE
Ø1.75 THRU
4X
1/2-13 UNC
ON Ø7.25 B.C.
09LYT110
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CHANGE TO USE STANDOFFS FOR BLOWER HSG REVISION
REV: B
VERSION: 02
REVISED: 04:44:32 11/29/2021
TDR: 000001174164
MODEL NO. 09LYT110
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
TEBC RG 254-256TC GP M N F1 INV/VECT W/THRU SH ENC DESIGN

CD0180





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		
REV. LTR: D	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\148	REVISED: 10:25:29 02/19/2019	BY: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1