ABB BALDOR RELIANCE

Customer information packet

VHECP4103T

25HP, 1775RPM, 3PH, 60HZ, 284HP, 1054M, TEFC, F
Class - None
Division - Not Applicable

7/8/2026 10:30:14 PM

Specifications

Enclosure	TEFC
Frame	284HP
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	25.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	CSA
	CSA EEV
	UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	62.000 A @ 230.0 V
	64.000 A @ 208.0 V
	31.000 A @ 460.0 V
Design Code	A
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.6 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	P
Type	AC
Mech. spec.	10F352
Base	
Status	PRD/A
Elec. spec.	10WGZ651
Layout	10LYF352
Eff. date	09-29-2025
CD Diagram	CD0180
Poles	04
Leads	9#10 Y
Proprietary	False
Created date	10-19-2017

Heater Indicator	No Heater
High Voltage Full Load Amps	31.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	J
Lifting Lugs	Vertical Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 10 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	1054M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	30.69 IN
Power Factor	81
Product Family	Super-E Chemical Processing
Pulley End Bearing Type	Ball
Pulley Face Code	P-Base
Pulley Shaft Indicator	P-Base Groove & Key
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1775 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	NONE (OLD)
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None

Winding Thermal 2	None

Nameplate

NP1260									
CAT.NO.	VHECP4103T								
SPEC.	10F352Z651G1								
HP	25								
VOLTS	230/460								
AMP	62/31								
RPM	1775								
FRAME	284HP	**HZ**	60		**PH**	3			
SER.F.	1.15	**CODE**	J	**DES**	A		**CL**	F	
NEMA-NOM-EFF	93.6	**PF**	81						
RATING	40C AMB-CONT								
CC	010A								
DE	6311	**ODE**	6309						
ENCL	TEFC	**SN**							
	SFA 69/34.5								

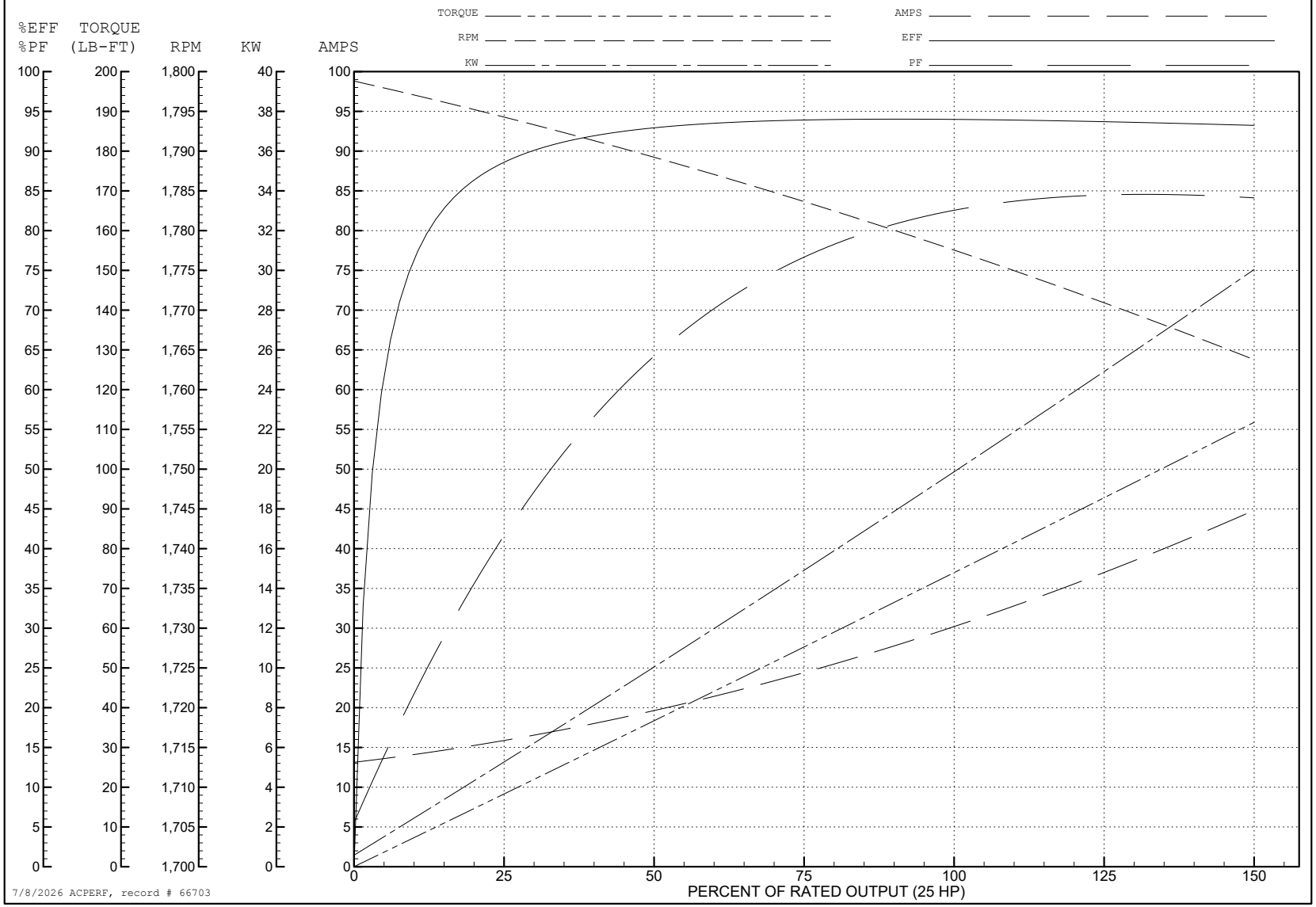
ABB Motors and Mechanical Inc.

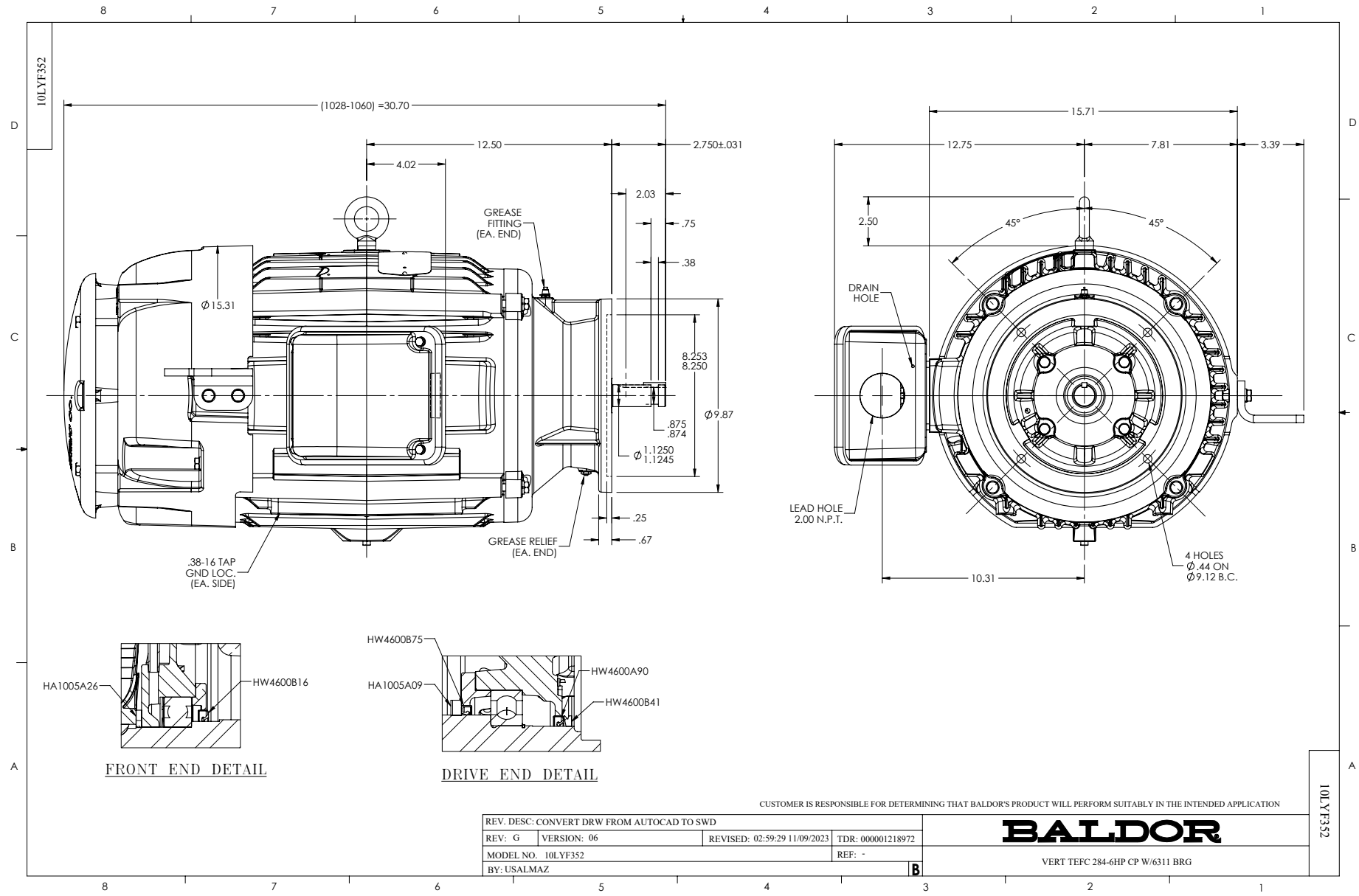
WINDING # 10WGZ651

25 HP 3 PH 60 HZ 1775 RPM 460 V 1054M

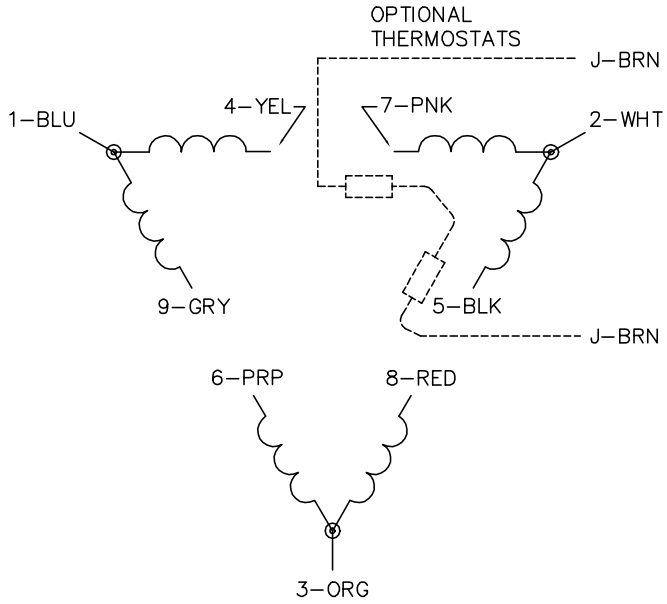
Typical performance - not guaranteed values.

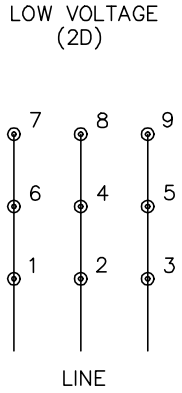
TORQUES(LB-FT): PO=262 PU=118 LR=142 LRA=223

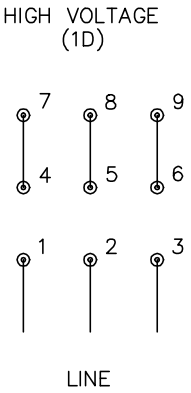



10LYF352
(1028-1060) =30.70
12.50
2.750±.031
4.02
2.03
.75
.38
GREASE FITTING (EA. END)
Ø15.31
8.253
8.250
Ø9.87
.875
.874
Ø 1.1250
1.1245
.25
.67
GREASE RELIEF (EA. END)
.38-16 TAP GND LOC. (EA. SIDE)
15.71
12.75
7.81
3.39
2.50
45°
45°
DRAIN HOLE
LEAD HOLE 2.00 N.P.T.
4 HOLES Ø.44 ON Ø9.12 B.C.
10.31
HA1005A26
HW4600B16
FRONT END DETAIL
HW4600B75
HA1005A09
HW4600A90
HW4600B41
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT DRW FROM AUTOCAD TO SWD
REV: G
VERSION: 06
REVISED: 02:59:29 11/09/2023
TDR: 000001218972
MODEL NO. 10LYF352
REF: -
BY: USALMAZ
B
BALDOR
VERT TEFC 284-6HP CP W/6311 BRG
10LYF352

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