

ABB BALDOR RELIANCE III

Customer information packet

VFSWDNM3558T-E

2HP, 1760RPM, 3PH, 60HZ, 145TC, 3546M, TENV, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TENV
Frame	145TC
Frame Material	Stainless Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	2.000 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 EEV CURUSEEV NEMA PREMIUM NEMA_PREMIUM WEEE
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	5.600 A @ 208.0 V 5.300 A @ 230.0 V 2.650 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK

Part Detail

Revision	E
Type	AC
Mech. spec.	35E4717
Base	
Status	PRD/A
Elec. spec.	35WGZ811
Layout	35LYE4717
Eff. date	10-01-2024
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	03-11-2022

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	2.7 a
Insulation Class	H
Inverter Code	Inverter Duty
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Finish	UNPAINTED
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3546M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	15.09 IN
Power Factor	80
Product Family	WD All SS Encapsulated
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1760 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor

Winding Thermal 1

None

Winding Thermal 2

None

Nameplate

NP4427AAA01											
CAT #	VFSWDNM3558T-E				WT	63	LBS				
SPEC	35E4717Z811G1				ENCL	TENV					
SER #					CC	010A	IP	69			
HP	2		MAG CUR	2.7/1.35							
VOLTS	230/460				NEMA NOM. EFF	86.5					
AMPS	5.3/2.65				PF	80					
RATING	40C AMB-CONT										
RPM	1760				MAX RPM	2700					
FRAME	145TC	HZ	60	CODE	L	CLASS	H				
SER.F.	1.15	SF AMP	6/3	PH	3	DES	B				
DE	6205		ODE	6205							
LUBRICATION	POLYREX EM										
ID LOGO	INVERTER TYPE		VPWM	CHP	60	TO	90	1.5:1			
ID LOGO	WK2	0.332	CT	15	TO	60	4:1				
ID LOGO	SL HZ	1.33	VT	3	TO	60	20:1				
YR					QR						

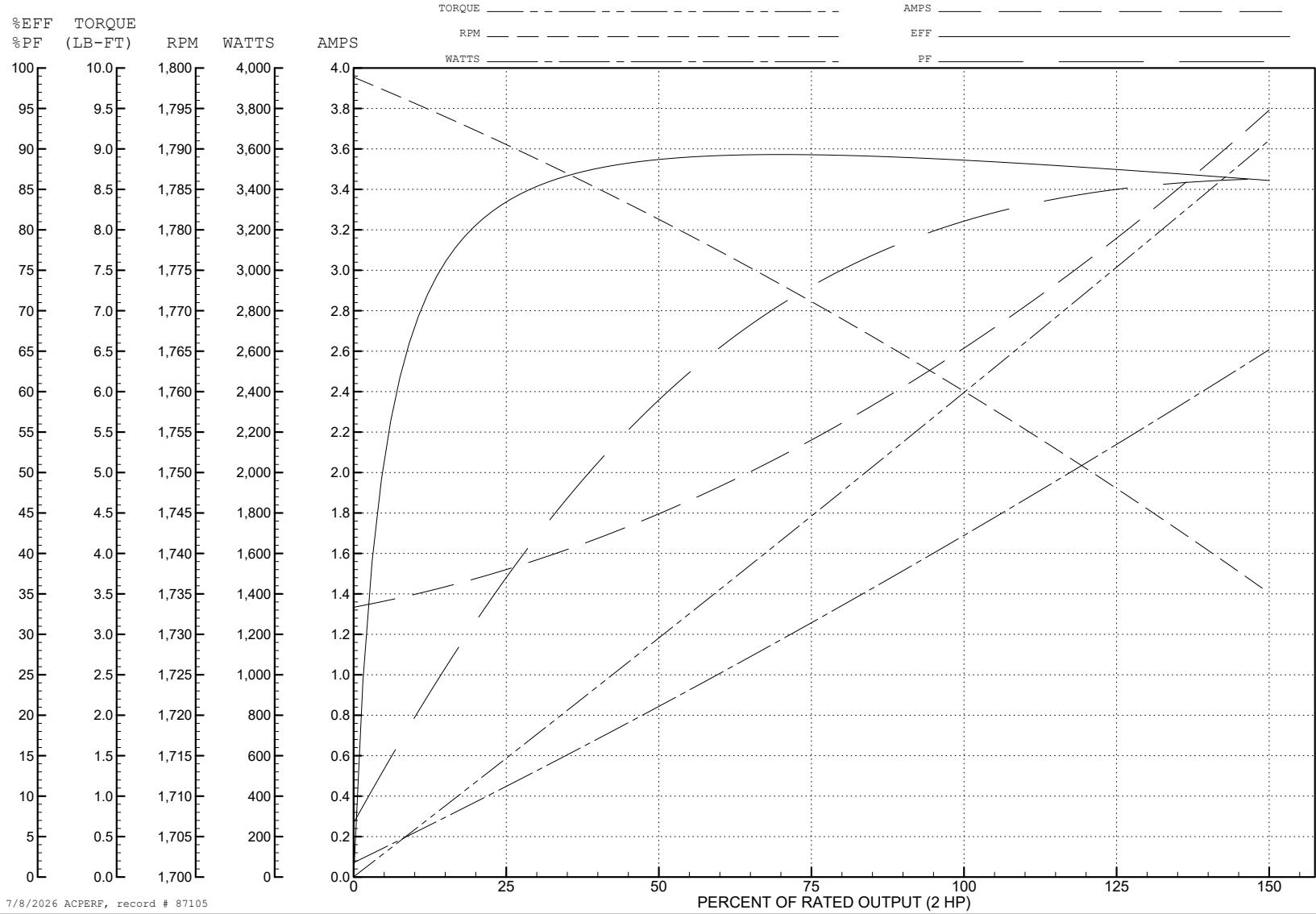
ABB Motors and Mechanical Inc.

WINDING # 35WGZ811

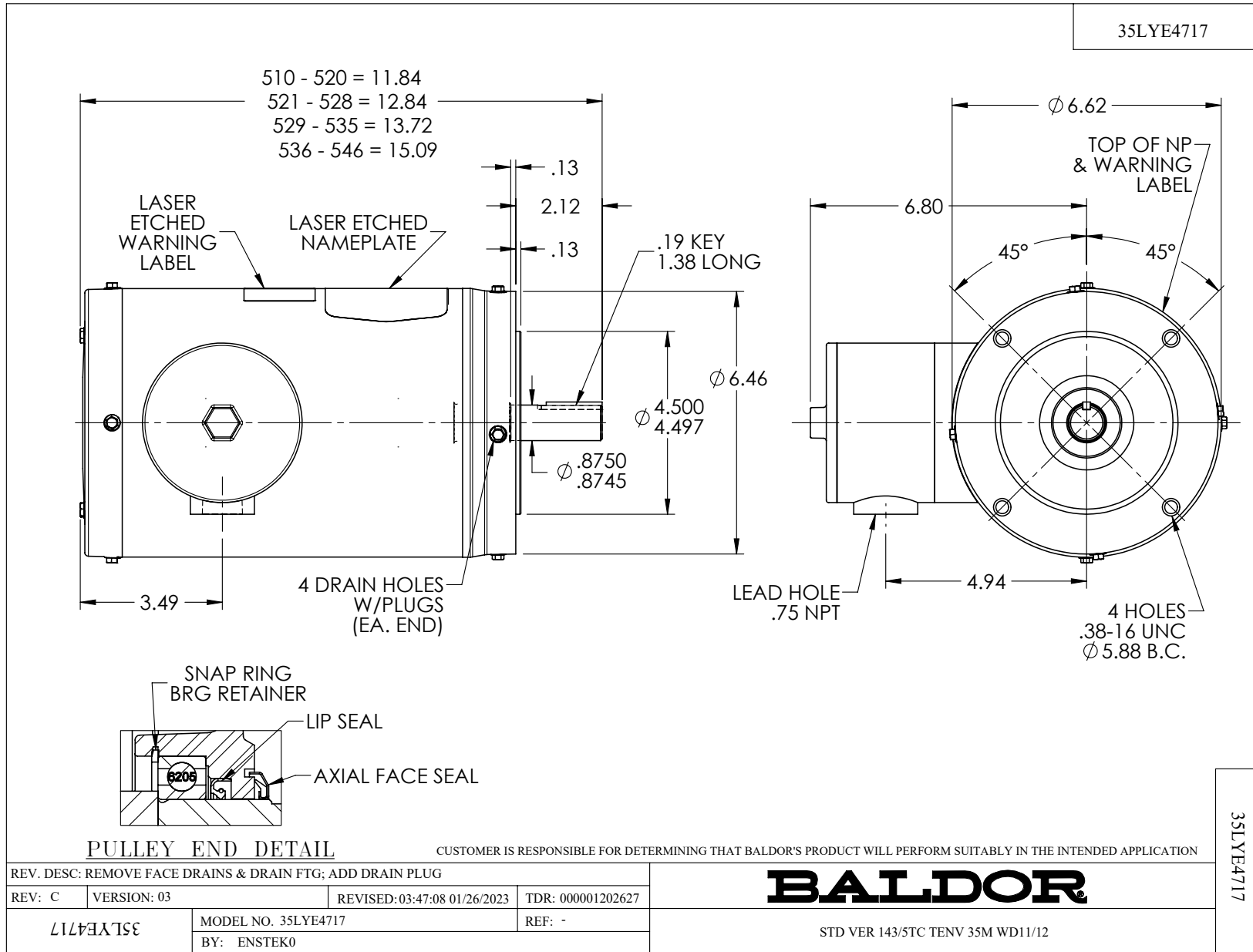
Typical performance - not guaranteed values.

2 HP 3 PH 60 HZ 1760 RPM 460 V 3546M

TORQUES (LB-FT): PO=27.78 PU=16.81 LR=21.79 LRA=25.07



7/8/2026 ACPERF, record # 87105



CD0005



LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E BY: JLP REVISED: 01/19/99 10:15 TDR: 0171435

500000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS