

ABB BALDOR RELIANCE III

Customer information packet

VECP3587T

2HP, 1760RPM, 3PH, 60HZ, 145TC, 0526M, TEFC, F1

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	145TC
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP A,B,C,D
Haz Area Division	Division II
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	CCSA US CSA EEV NEMA PREMIUM NEMA_PREMIUM 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
Constant Torque Speed Range	1.5
Current @ Voltage	5.800 A @ 208.0 V 5.600 A @ 230.0 V 2.800 A @ 460.0 V
Design Code	B
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Not Electrically Isolated

Part Detail

Revision	D
Type	AC
Mech. spec.	05F006
Base	
Status	PRD/A
Elec. spec.	05WGX509
Layout	05LYF006
Eff. date	10-01-2025
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	03-11-2022

Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Haz Area Temp Code	T4
Heater Indicator	No Heater
High Voltage Full Load Amps	2.8 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	L
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0526M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	14.57 IN
Power Factor	76
Product Family	Chemical Processing (Not DC)
Pulley End Bearing Type	Ball
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	Shaft 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

NP3258									
CAT.NO.	VECP3587T								
SPEC.	05F006X509G1								
HP	2 TE								
VOLTS	230/460								
AMP	5.6/2.8								
RPM	1760								
FRAME	145TC	HZ	60	PH	3				
SER.F.	1.15	CODE	L	DES	B	CL	F		
RATING	40C AMB-CONT								
SN									
DE	6205	ODE	6205						
NEMA-NOM-EFF	86.5	PF	76						
G.MIN.EFF	84	CC	010A						
T. CODE	T4	T=	135						

NP3261

SPEC.	05F006X509G1		
D.E. BRG.	25BC02XP30X		
O.D.E. BRG.	25BC02XP30X		
GREASE	POLYREX EM		
RPM MAX	2700	MAX. KVAR	0.62
BLANK	SFA 6.4/3.2		
INV. TYPE	PWM		
T=	135		
C HP FR	60	C HP TO	90
CT HZ FROM	1.5	CT HZ TO	60
VT HZ FROM	0-	VT HZ TO	60
HTR-VOLTS		HTR-AMPS	
HTR-WATTS		MAX. SPACE HEATER TEMP.	

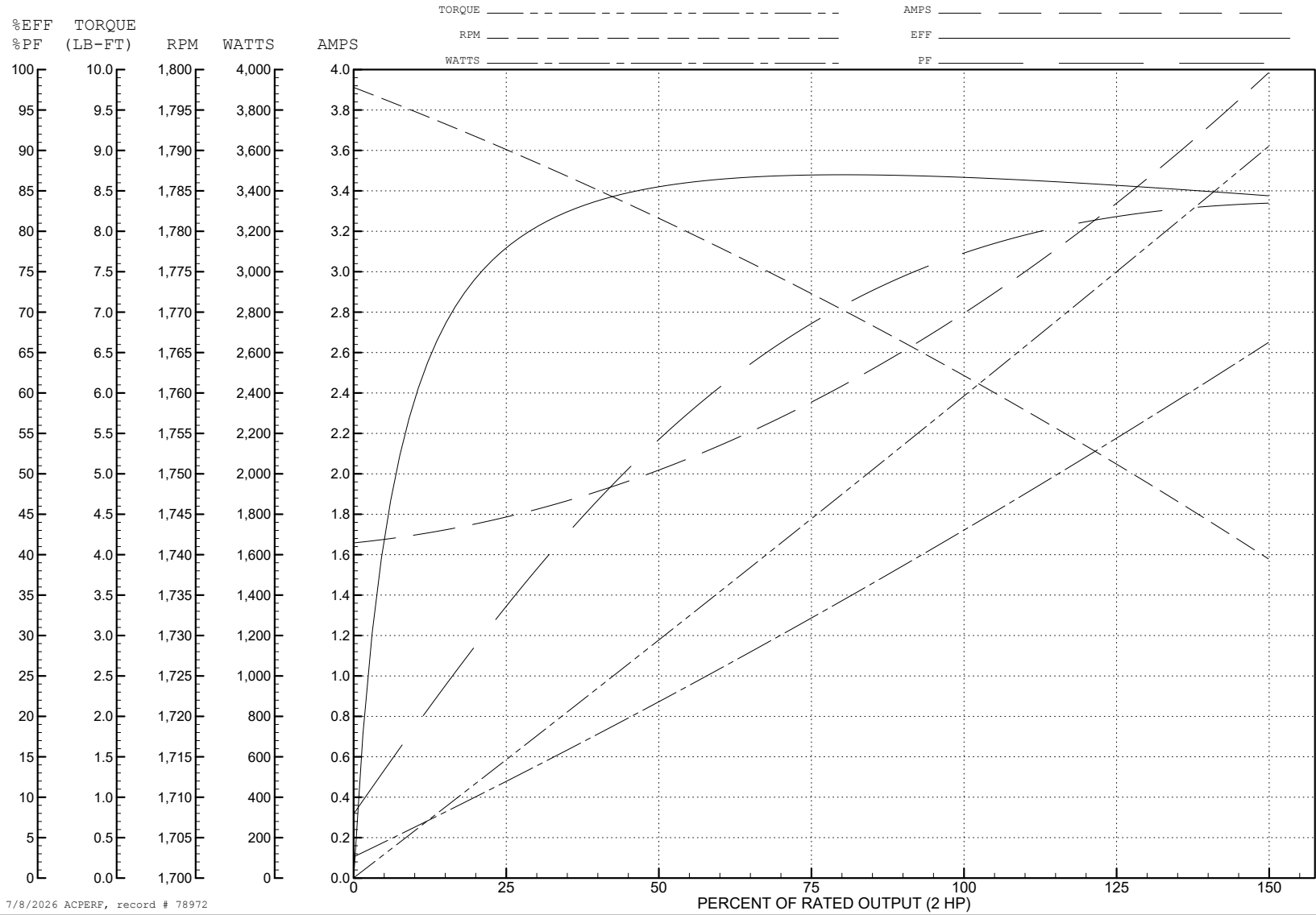
ABB Motors and Mechanical Inc.

WINDING # 05WGX509

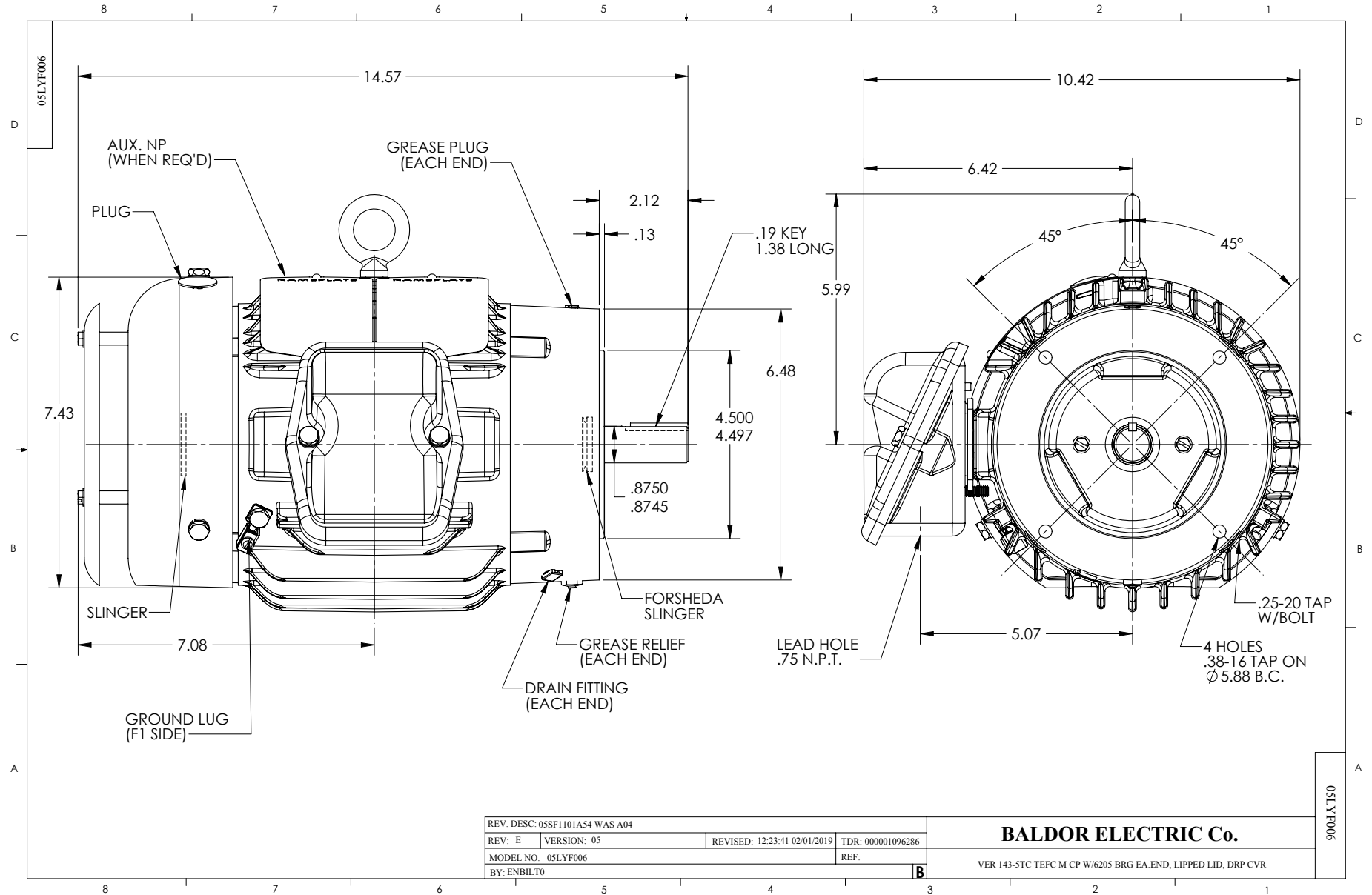
Typical performance - not guaranteed values.

2 HP 3 PH 60 HZ 1760 RPM 460 V 0526M

TORQUES (LB-FT): PO=23.5 PU=11.5 LR=15.6 LRA=22.7



7/8/2026 ACPERF, record # 78972



REV. DESC: 05SF1101A54 WAS A04			
REV: E	VERSION: 05	REVISED: 12/23/41 02/01/2019	TDR: 000001096286
MODEL NO. 05LYF006		REF:	
BY: ENBILTO		B	

BALDOR ELECTRIC Co.

VER 143-5TC TEFC M CP W/6205 BRG EA.END, LIPPED LID, DRP CVR

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