ABB BALDOR RELIANCE

Customer information packet

CECP3587T-5

2HP, 1765RPM, 3PH, 60HZ, 145TC, 0528M, TEFC, F1
Class - CLI GP A,B,C,D
Division - Division II

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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	575.0 V @ 60 HZ
Agency Approvals	CSA EEV
	NEMA PREMIUM
	NEMA_PREMIUM
	UR
	CCSA US
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	None
Current @ Voltage	2.300 A @ 575.0 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
Front Shaft Indicator	None
Haz Area Temp Code	T4
Heater Indicator	No Heater

Part Detail

Revision	D
Type	AC
Mech. spec.	05F007
Base	
Status	PRD/A
Elec. spec.	05WGX552
Layout	05LYF007
Eff. date	09-25-2026
CD Diagram	CD0006
Poles	04
Leads	3#18
Proprietary	False
Created date	12-20-2023

High Voltage Full Load Amps	2.3 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	L
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	3 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0528M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	13.38 IN
Power Factor	75
Product Family	Chemical Processing (Not DC)
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1765 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

NP3257								
CAT.NO.	CECP3587T-5							
SPEC.	05F007X552G1							
HP	2 TE							
VOLTS	575							
AMP	2.3							
RPM	1765							
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**	75					
G.MIN.EFF	86.5	**CC**	010A					
T. CODE	T4	**T=**	135					

NP3260	
SPEC.	05F007X552G1
D.E. BRG.	25BC02XP30X
O.D.E. BRG.	25BC02XP30X
GREASE	POLYREX EM
RPM MAX	**MAX. KVAR**
BLANK	SFA 2.6
INV.TYPE	
T=	
C HP FR	**C HP TO**
CT HZ FROM	**CT HZ TO**
VT HZ FROM	**VT HZ TO**
HTR-VOLTS	**HTR-AMPS**
HTR-WATTS	**MAX. SPACE HEATER TEMP.**

AC Induction Motor Performance Data
Record # 98658
Typical performance - not guaranteed values

Winding: 05WGX552-R006	**Type:** 0528M	**Enclosure:** TEFC

Nameplate Data				**575 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			2	**Full Load Torque**	5.96 LB-FT
Volts			575	**Start Configuration**	direct on line
Full Load Amps			2.3	**Breakdown Torque**	24.3 LB-FT
R.P.M.			1765	**Pull-up Torque**	12 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	16.2 LB-FT
NEMA Design Code	B	**KVA Code**	L	**Starting Current**	18.9 A
Service Factor (S.F.)			1.15	**No-load Current**	1.46 A
NEMA Nom. Eff.	86.5	**Power Factor**	75	**Line-line Res. @ 25ºC**	15.5 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	41°C
S.F. Amps			2.6	**Temp. Rise @ S.F. Load**	50°C
				Locked-rotor Power Factor	57
				Rotor inertia	0.202 lb-ft²

Load Characteristics 575 V, 60 Hz, 2 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	33	53	66	75	80	83	78
Efficiency	76	84	86	86	86	84	86
Speed	1790	1782	1773	1763	1753	1741	1757
Line amperes	1.5	1.68	1.97	2.32	2.74	3.21	2.57

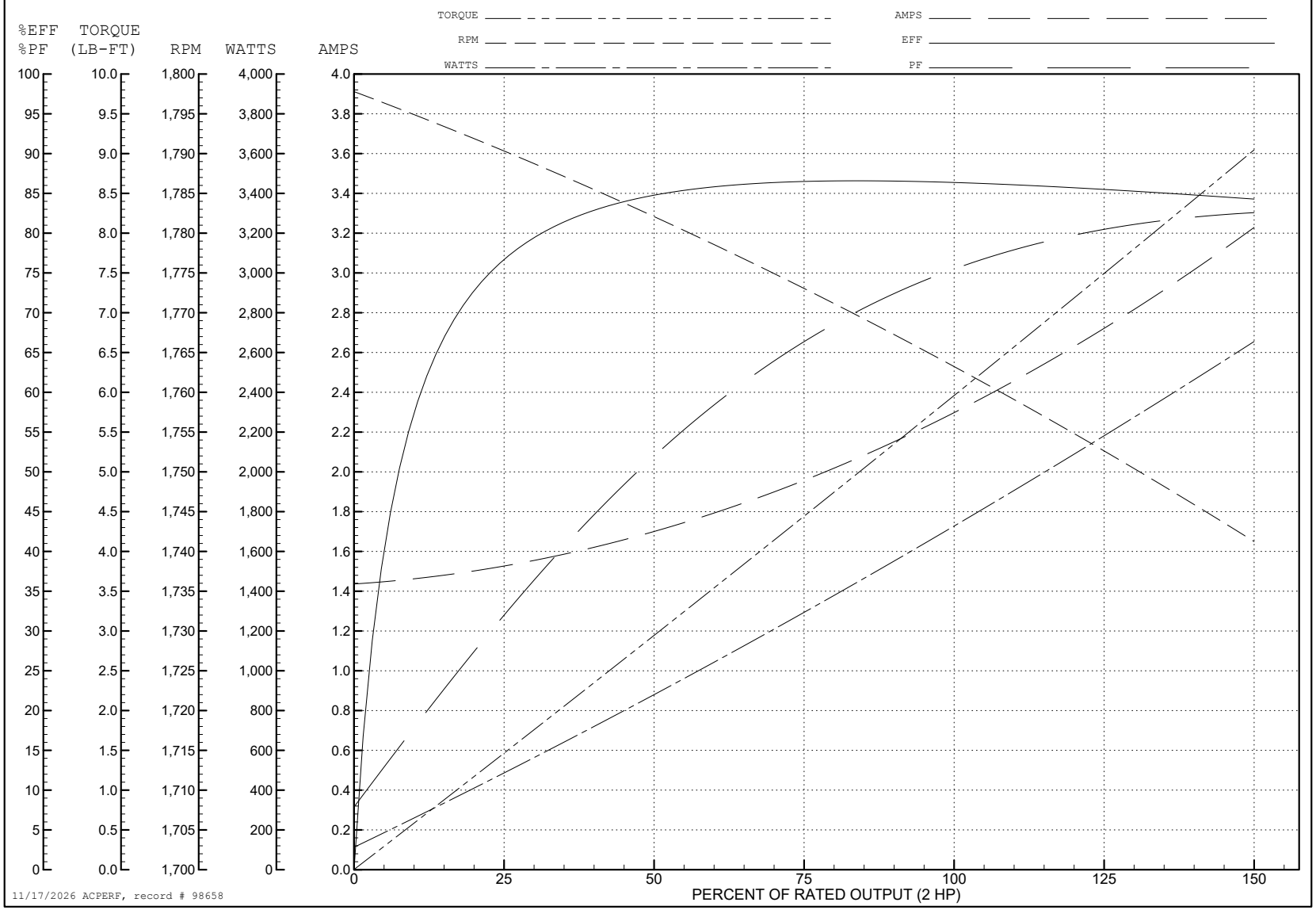
ABB Motors and Mechanical Inc.

WINDING # 05WGX552

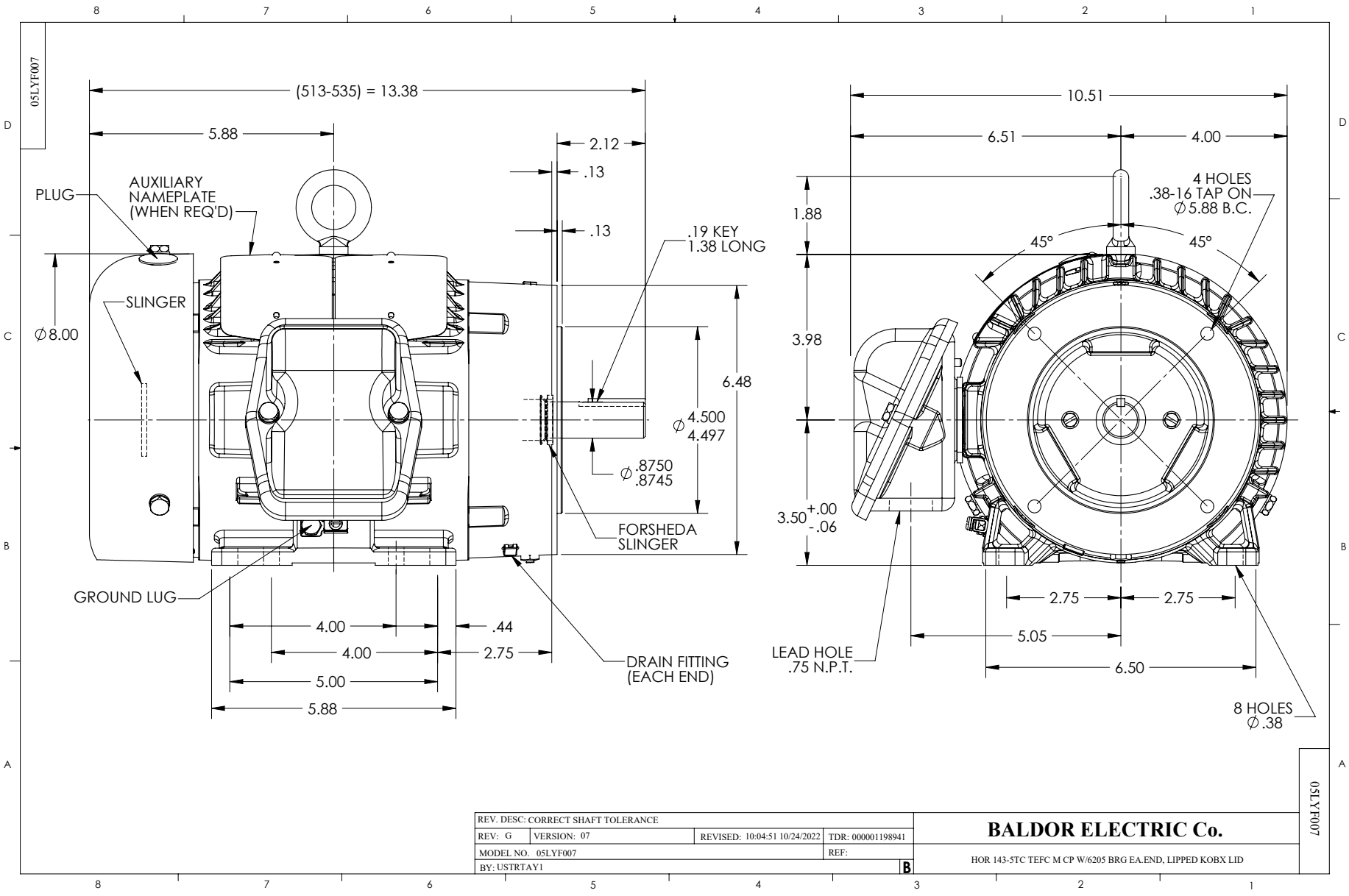
2 HP 3 PH 60 HZ 1765 RPM 575 V 0528M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=24.3 PU=12 LR=16.2 LRA=18.9

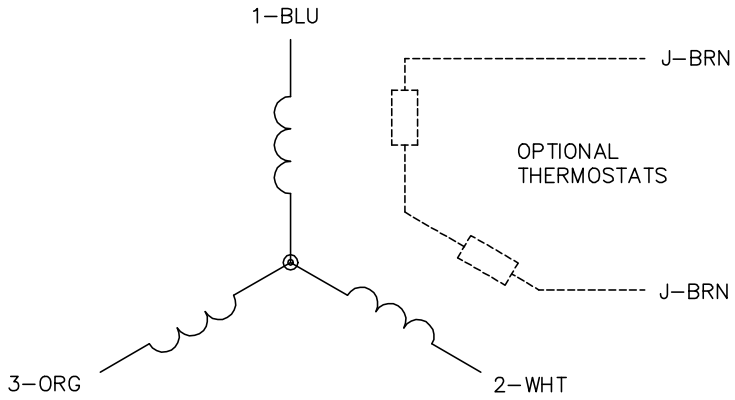


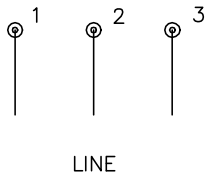
11/17/2026 ACPERF, record # 98658


05LYF007
(513-535) = 13.38
5.88
2.12
.13
.13
.19 KEY
1.38 LONG
PLUG
AUXILIARY
NAMEPLATE
(WHEN REQ'D)
SLINGER
∅8.00
6.48
∅4.500
4.497
∅.8750
.8745
FORSHEDA
SLINGER
GROUND LUG
4.00
.44
4.00
2.75
5.00
5.88
DRAIN FITTING
(EACH END)
10.51
6.51
4.00
4 HOLES
.38-16 TAP ON
∅5.88 B.C.
1.88
45°
45°
3.98
3.50 +.00 -.06
2.75
2.75
5.05
6.50
LEAD HOLE
.75 N.P.T.
8 HOLES
∅.38
REV. DESC: CORRECT SHAFT TOLERANCE
REV: G
VERSION: 07
REVISED: 10:04:51 10/24/2022
TDR: 000001198941
MODEL NO. 05LYF007
REF:
BY: USTRTAY1
B
BALDOR ELECTRIC Co.
HOR 143-5TC TEFC M CP W/6205 BRG EA.END, LIPPED KOBX LID
05LYF007

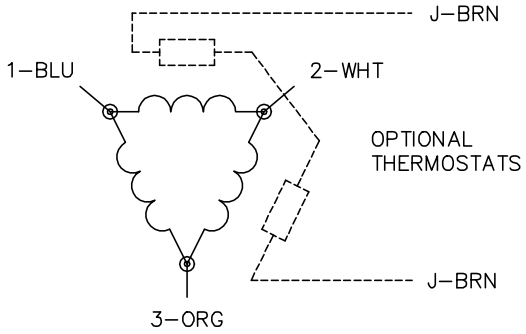
CD0006

TYPICAL WYE–CONNECTED MOTOR





TYPICAL DELTA–CONNECTED MOTOR



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: E	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\141	REVISED: 10:24:49 02/19/2019	BY: ENBRIR0
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BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

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