ABB BALDOR RELIANCE

Customer information packet

CEM3769T

7.5HP, 3515RPM, 3PH, 60HZ, 213TC, 0726M, TEFC
Class - None
Division - Not Applicable

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/5/2026 6:16:25 PM

Specifications

Enclosure	TEFC
Frame	213TC
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	7.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CURUSEEV
	NEMA PREMIUM
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	18.000 A @ 230.0 V
	18.600 A @ 208.0 V
	9.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	9.0 a

Part Detail

Revision	E
Type	AC
Mech. spec.	07H058
Base	
Status	PRD/A
Elec. spec.	07WGT515
Layout	07LYH058
Eff. date	08-10-2026
CD Diagram	CD0005
Poles	02
Leads	9#14
Proprietary	False
Created date	01-05-2021

Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0726M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	19.20 IN
Power Factor	87
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3515 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

NP3441LUA										
CAT.NO.	CEM3769T									
SPEC	07H058T515G1									
HP	7.5									
VOLTS	230/460									
AMPS	18/9									
RPM	3515									
FRAME	213TC	**HZ**	60	**PH**	3					
SF	1.15	**CODE**	H	**DES**	B	**CLASS**	F			
NEMA NOM. EFF	89.5	**PF**	87							
RATING	40C AMB-CONT									
CC	010A									
ENCL	TEFC	**SER**								
DE	6307	**ODE**	6206							
VPWM INVERTER READY										
CT6-60H(10:1)VT3-60H(20:1										
	50HZ 7.5HP 190/380V 22.6/11.3A									SF1.0

AC Induction Motor Performance Data
Record # 86052
Preliminary Data Sheet

Winding: 07WGT515-R001	**Type:** 0726M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			7.5	**Full Load Torque**	11.2 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			18/9	**Breakdown Torque**	40.3 LB-FT
R.P.M.			3515	**Pull-up Torque**	16.3 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	19.3 LB-FT
NEMA Design Code	B	**KVA Code**	H	**Starting Current**	64.8 A
Service Factor (S.F.)			1.15	**No-load Current**	3.58 A
NEMA Nom. Eff.	89.5	**Power Factor**	87	**Line-line Res. @ 25ºC**	1.33 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	47°C
S.F. Amps			20.4/10.2	**Temp. Rise @ S.F. Load**	62°C
				Locked-rotor Power Factor	37.8
				Rotor inertia	0.237 lb-ft²

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	49	71	81	86	88	88	87
Efficiency	85.8	90.6	91.4	91.1	90.2	89	90.6
Speed	3578	3559	3536	3515	3490	3564	3500
Line amperes	4.15	5.43	7.1	9.01	11.1	13.4	10.2

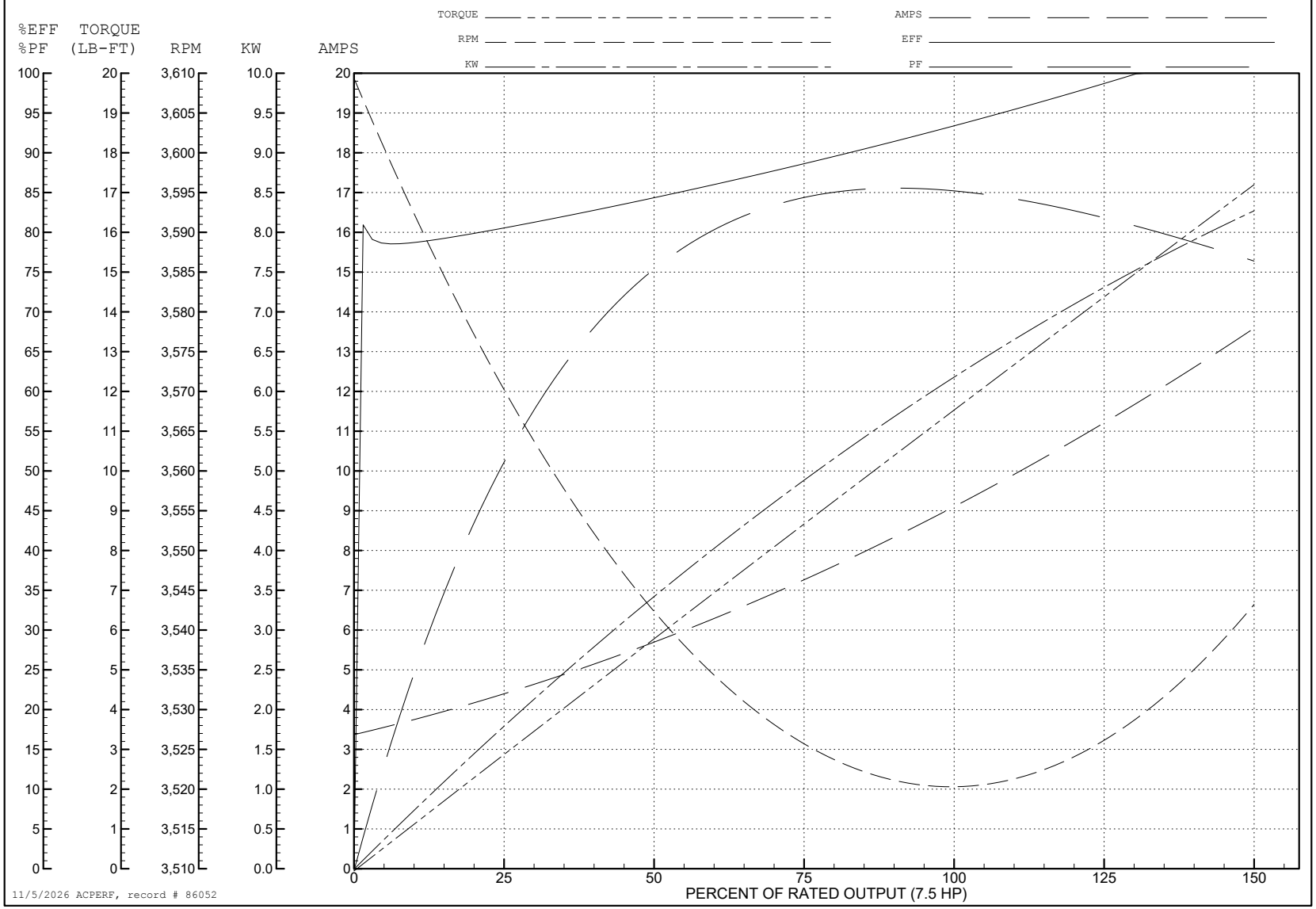
ABB Motors and Mechanical Inc.

WINDING # 07WGT515

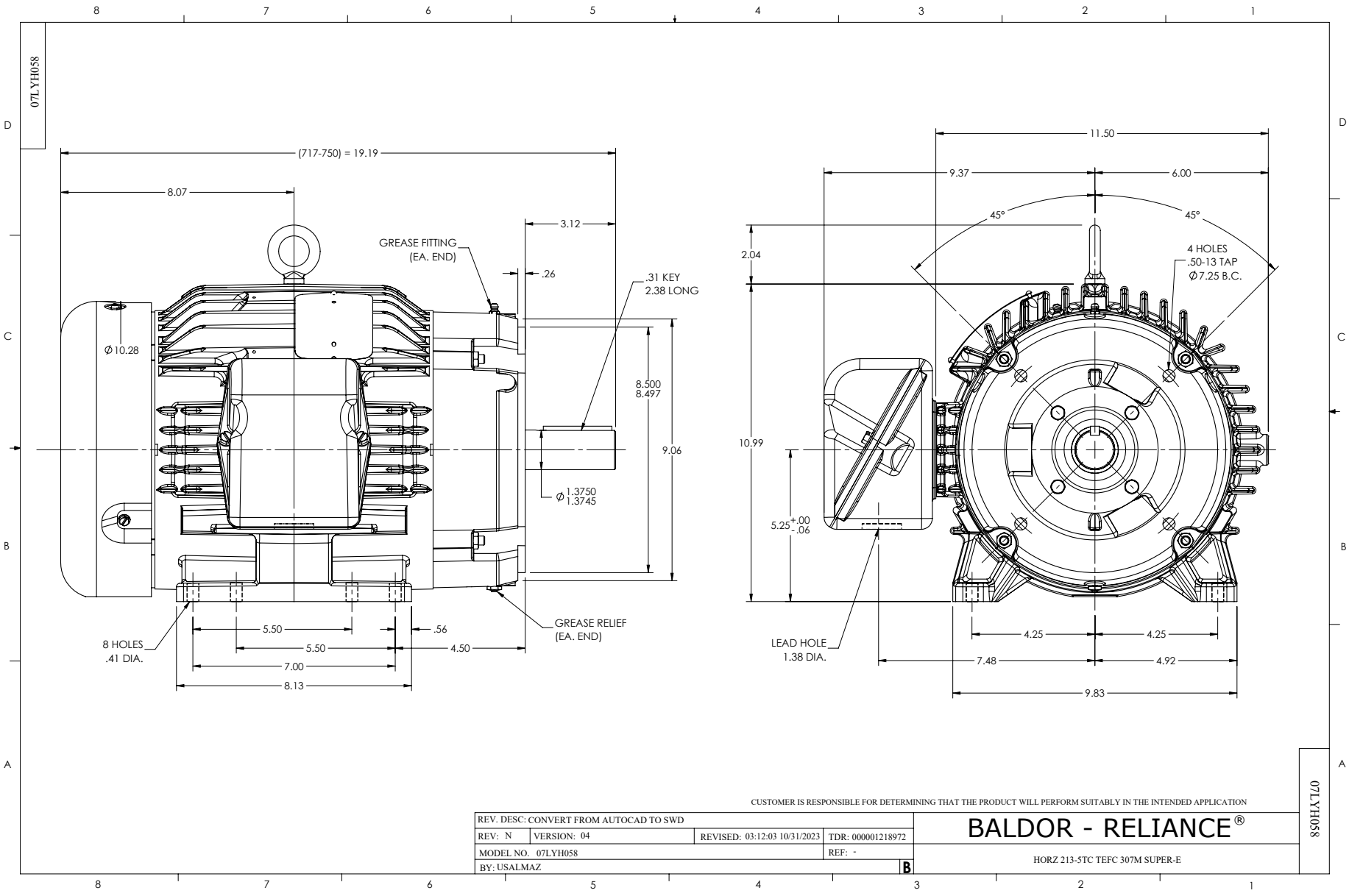
7.5 HP 3 PH 60 HZ 3515 RPM 460 V 0726M

Typical performance - not guaranteed values.

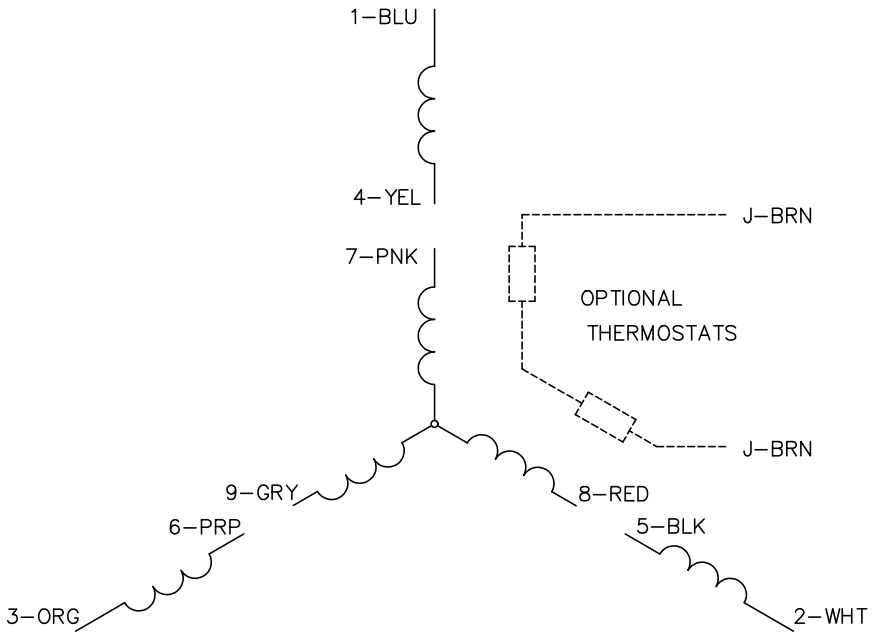
TORQUES(LB-FT): PO=40.3 PU=16.3 LR=19.3 LRA=64.8

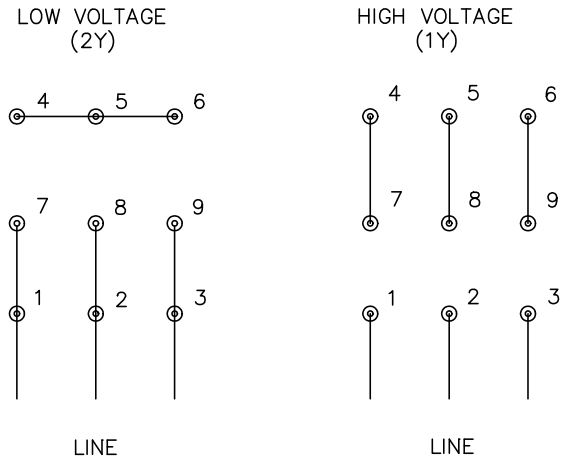


11/5/2026 ACPERF, record # 86052


07LYH058
(717-750) = 19.19
8.07
3.12
GREASE FITTING
(EA. END)
.26
.31 KEY
2.38 LONG
Ø10.28
8.500
8.497
9.06
Ø1.3750
1.3745
8 HOLES
.41 DIA.
5.50
.56
5.50
4.50
7.00
8.13
GREASE RELIEF
(EA. END)
11.50
9.37
6.00
45°
45°
2.04
4 HOLES
.50-13 TAP
Ø7.25 B.C.
10.99
5.25 +.00 -.06
LEAD HOLE
1.38 DIA.
4.25
4.25
7.48
4.92
9.83
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT FROM AUTOCAD TO SWD
REV: N
VERSION: 04
REVISED: 03:12:03 10/31/2023
TDR: 000001218972
MODEL NO. 07LYH058
REF: -
BY: USALMAZ
B
BALDOR - RELIANCE®
HORZ 213-5TC TEFC 307M SUPER-E
07LYH058

CD0005





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			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS