ABB BALDOR RELIANCE

Customer information packet

CM3711T-5

10HP, 3500RPM, 3PH, 60HZ, 215TC, 3732M, TEFC
Class -
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	215TC
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CSA
	UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	RG
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	9.200 A @ 575.0 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 Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	9.2 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H

Part Detail

Revision	N
Type	AC
Mech. spec.	37G814
Base	
Status	NLA/A
Elec. spec.	37WGT295
Layout	37LYG814
Eff. date	03-08-2016
CD Diagram	CD0006
Poles	02
Leads	3#14
Proprietary	False
Created date	01-01-0001

Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3732M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	18.63 IN
Power Factor	91
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 Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3500 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

NP1256L									
CAT.NO.	CM3711T-5								
SPEC.	37G814T295H1								
HP	10								
VOLTS	575								
AMP	9.2								
RPM	3500								
FRAME	215TC	**HZ**	60			**PH**	3		
SER.F.	1.15	**CODE**	H	**DES**	B	**CLASS**	F		
NEMA-NOM-EFF	89.5	**PF**	91						
RATING	40C AMB-CONT								
CC	010A								
DE	6307	**ODE**	6206						
ENCL	TEFC	**SN**							

AC Induction Motor Performance Data
Record # 11706
Typical performance - not guaranteed values

Winding: 37WGT295-R001	**Type:** 3732M	**Enclosure:** TEFC

Nameplate Data				**575 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			10	**Full Load Torque**	15 LB-FT
Volts			575	**Start Configuration**	direct on line
Full Load Amps			9.2	**Breakdown Torque**	64 LB-FT
R.P.M.			3500	**Pull-up Torque**	25 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	33 LB-FT
NEMA Design Code	B	**KVA Code**	H	**Starting Current**	67.2 A
Service Factor (S.F.)			1.15	**No-load Current**	2.5 A
NEMA Nom. Eff.	89.5	**Power Factor**	91	**Line-line Res. @ 25ºC**	1.49 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	72°C
S.F. Amps				**Temp. Rise @ S.F. Load**	90°C
				Locked-rotor Power Factor	34
				Rotor inertia	0.293 LB-FT2

Load Characteristics 575 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	64	83	88	91	91	91	0
Efficiency	86.6	90.6	90.8	89.9	88.4	86.7	0
Speed	3576	3545	3514	3480	3444	3404	0
Line amperes	3.3	5	7.1	9.2	11.6	14.2	10.6

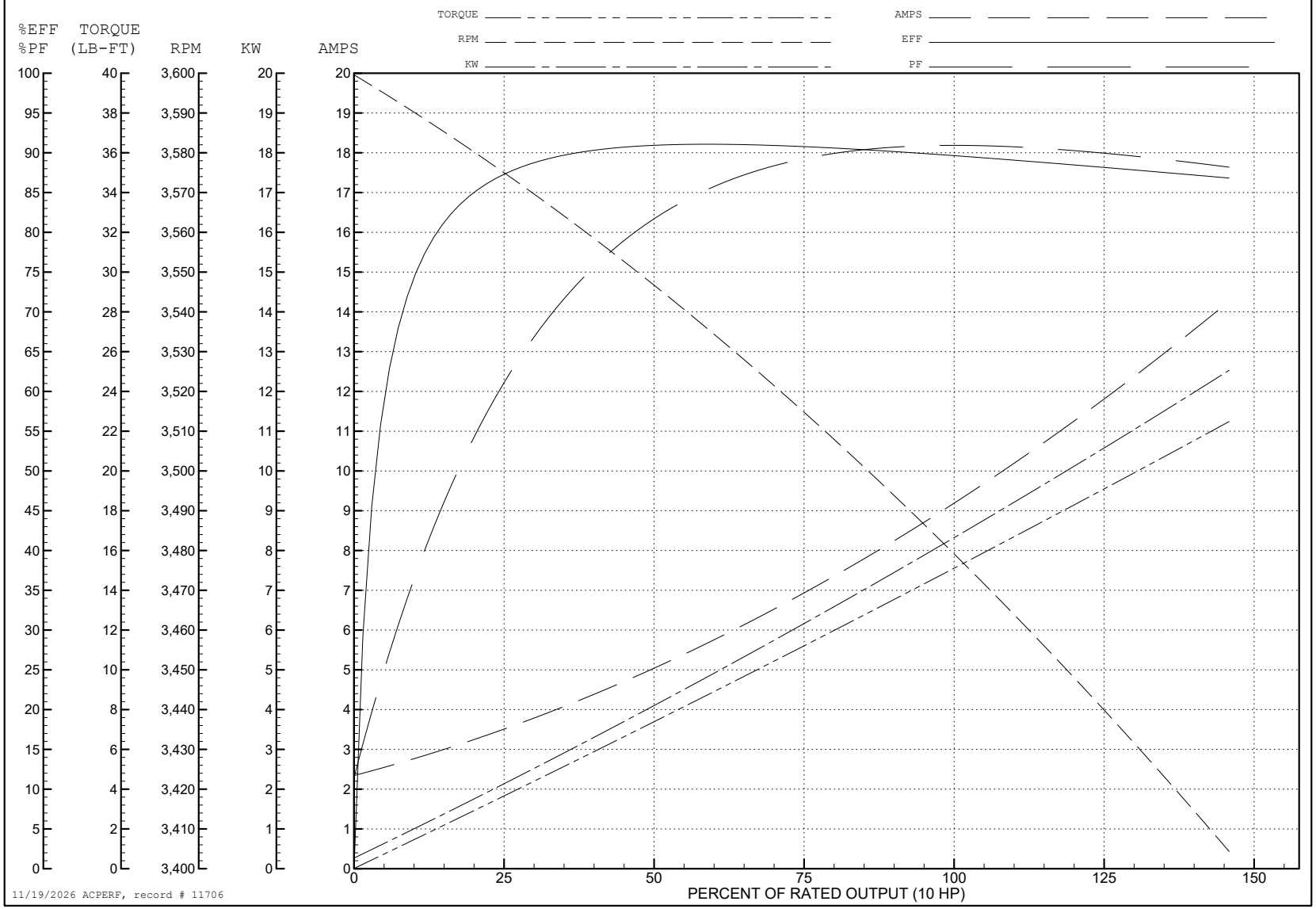
ABB Motors and Mechanical Inc.

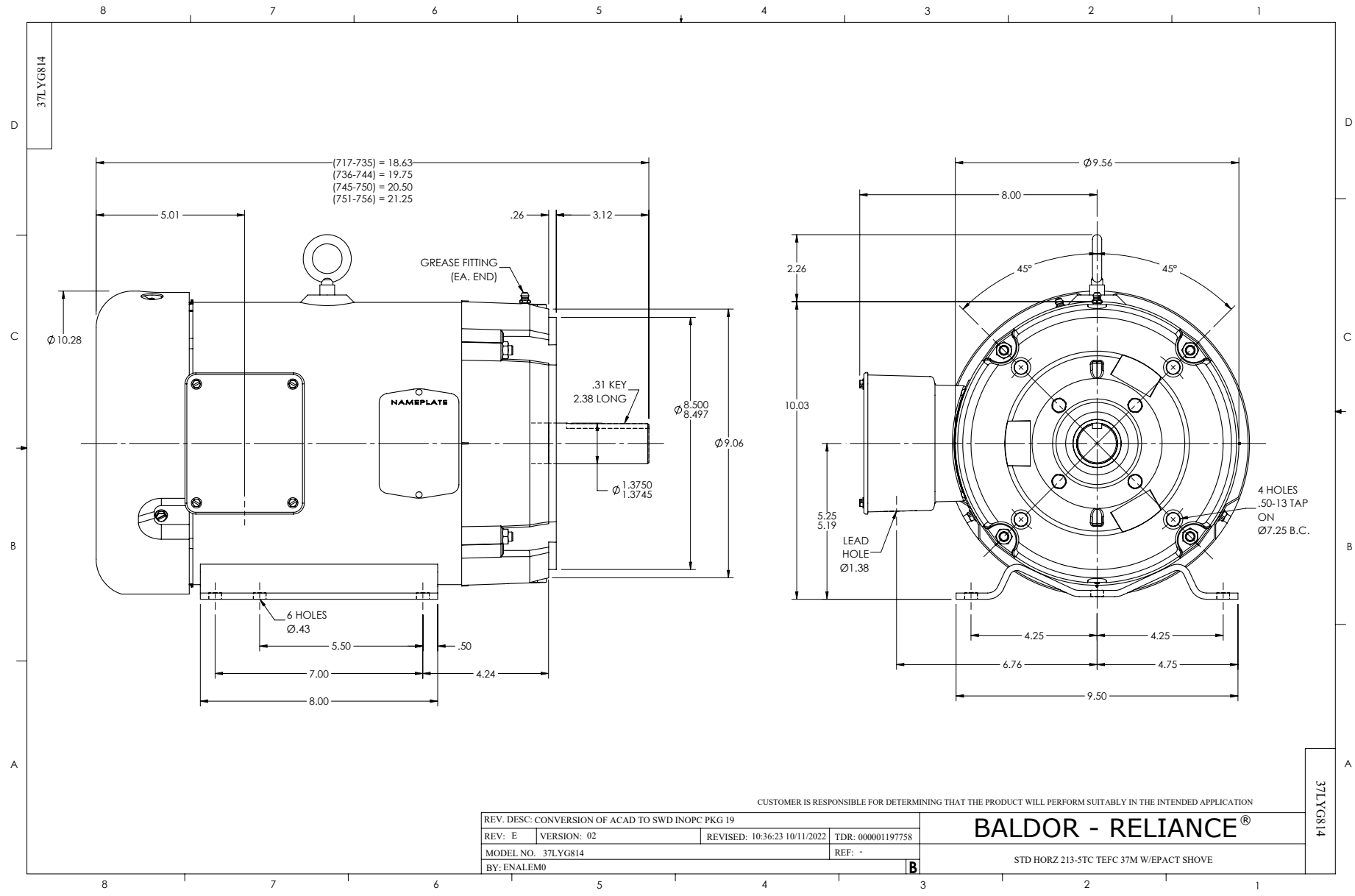
WINDING # 37WGT295

10 HP 3 PH 60 HZ 3500 RPM 575 V 3732M

Typical performance - not guaranteed values.

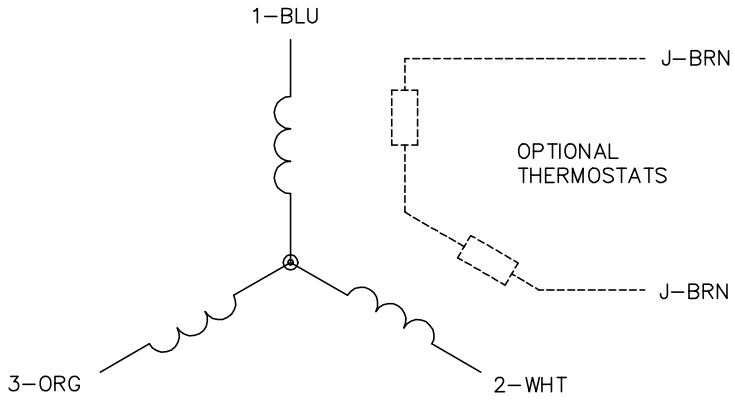
TORQUES(LB-FT): PO=64 PU=25 LR=33 LRA=67.2

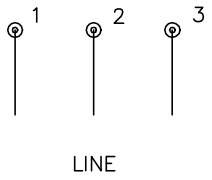



37LYG814
(717-735) = 18.63
(736-744) = 19.75
(745-750) = 20.50
(751-756) = 21.25
5.01
.26
3.12
GREASE FITTING
(EA. END)
Ø 10.28
NAMEPLATE
.31 KEY
2.38 LONG
Ø 8.500
8.497
Ø9.06
Ø 1.3750
1.3745
6 HOLES
Ø.43
5.50
.50
7.00
4.24
8.00
Ø9.56
8.00
2.26
45°
45°
10.03
5.25
5.19
LEAD
HOLE
Ø1.38
4 HOLES
.50-13 TAP
ON
Ø7.25 B.C.
4.25
4.25
6.76
4.75
9.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERSION OF ACAD TO SWD INOPC PKG 19
REV: E
VERSION: 02
REVISED: 10:36:23 10/11/2022
TDR: 000001197758
MODEL NO. 37LYG814
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
STD HORZ 213-5TC TEFC 37M W/EPACT SHOVE
37LYG814

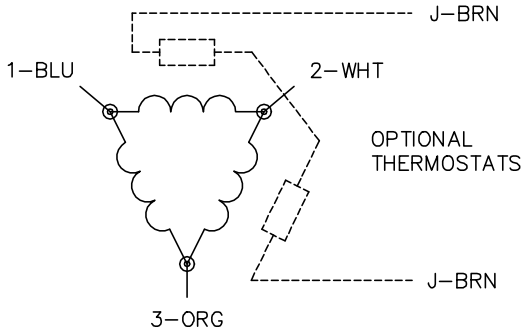
CD0006

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			BALDOR - RELIANCE®
REV. LTR: E	VERSION: 01	TDR: 000001099922	
FILE: \AAA\00005\141	REVISED: 10:24:49 02/19/2019	BY: ENBRIR0	3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED
MTL: –			SH 1 of 1