ABB BALDOR RELIANCE

Customer information packet

CHM565A

1HP, 1170RPM, 3PH, 60HZ, 56, 3526M, TEAO, F1, N
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEAO
Frame	56
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	1.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	208.0 V @ 60 HZ
	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	C UR US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Resilient
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	1.900 A @ 460.0 V
	3.800 A @ 208.0 V
	3.800 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	1.9 a

Part Detail

Revision	-
Type	AC
Mech. spec.	35X463
Base	
Status	PRD/A
Elec. spec.	35WGG331
Layout	35LYX463
Eff. date	11-06-2024
CD Diagram	CD0007
Poles	06
Leads	12#18 Y
Proprietary	False
Created date	02-23-2023

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	12 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3526M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	12.41 IN
Power Factor	64
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Resilient Mount
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1170 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	Automatic Thermal Overload
Winding Thermal 1 Location	ES
Winding Thermal 2	None

Nameplate

NP1257L											
CAT.NO.	CHM565A										
SPEC.	35X463G331G1										
HP	1										
VOLTS	208-230/460										
AMP	3.8/1.9										
RPM	1170										
FRAME	56		**HZ**	60		**PH**	3				
SER.F.	1.15	**CODE**	K	**DES**	B	**CL**	F				
NEMA-NOM-EFF	82.5	**PF**	64								
RATING	40C AMB-CONT										
CC											
DE	6203	**ODE**	6203								
ENCL	TEAO	**SN**									
	SFA 4-3.9/1.95										

AC Induction Motor Performance Data
Record # 87644
Typical performance - not guaranteed values

Winding: 35WGG331-R001	**Type:** 3526M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			1	**Full Load Torque**	4.47 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			3.6-3.56/1.78	**Breakdown Torque**	13.22 LB-FT
R.P.M.			1170	**Pull-up Torque**	7.94 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	9.7 LB-FT
NEMA Design Code	B	**KVA Code**	K	**Starting Current**	10.19 A
Service Factor (S.F.)			1.15	**No-load Current**	1.19 A
NEMA Nom. Eff.	82.5	**Power Factor**	64	**Line-line Res. @ 25ºC**	19.9 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	48°C
S.F. Amps			4-3.9/1.95	**Temp. Rise @ S.F. Load**	57°C
				Locked-rotor Power Factor	50.1
				Rotor inertia	0.189 lb-ft²

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	27	43	55	64	70	73	68
Efficiency	70.2	80.1	82.3	82.5	81.5	79.4	81.9
Speed	1193	1187	1180	1172	1163	1153	1167
Line amperes	1.23	1.36	1.54	1.78	2.06	2.41	1.95

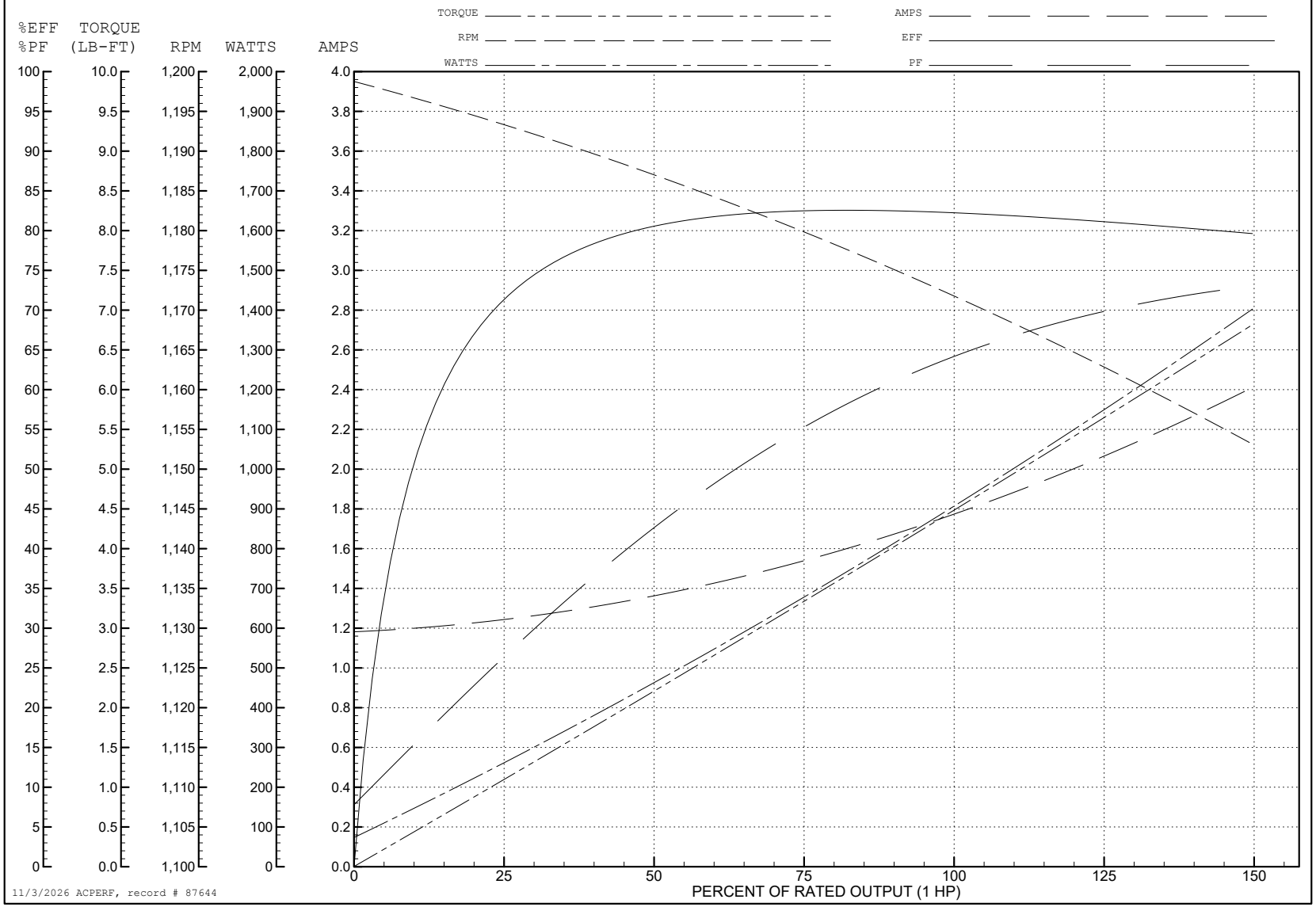
ABB Motors and Mechanical Inc.

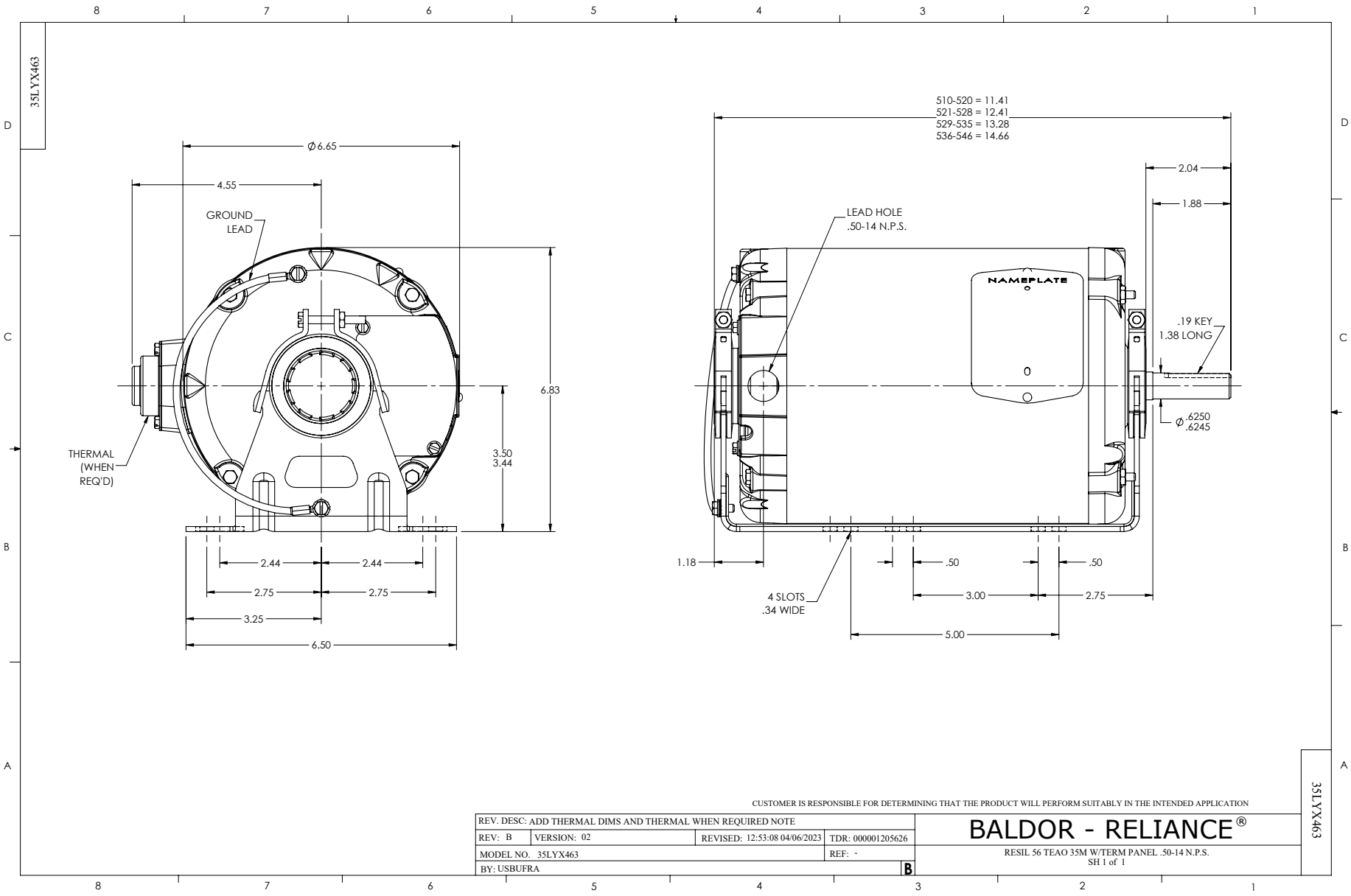
WINDING # 35WGG331

1 HP 3 PH 60 HZ 1170 RPM 460 V 3526M

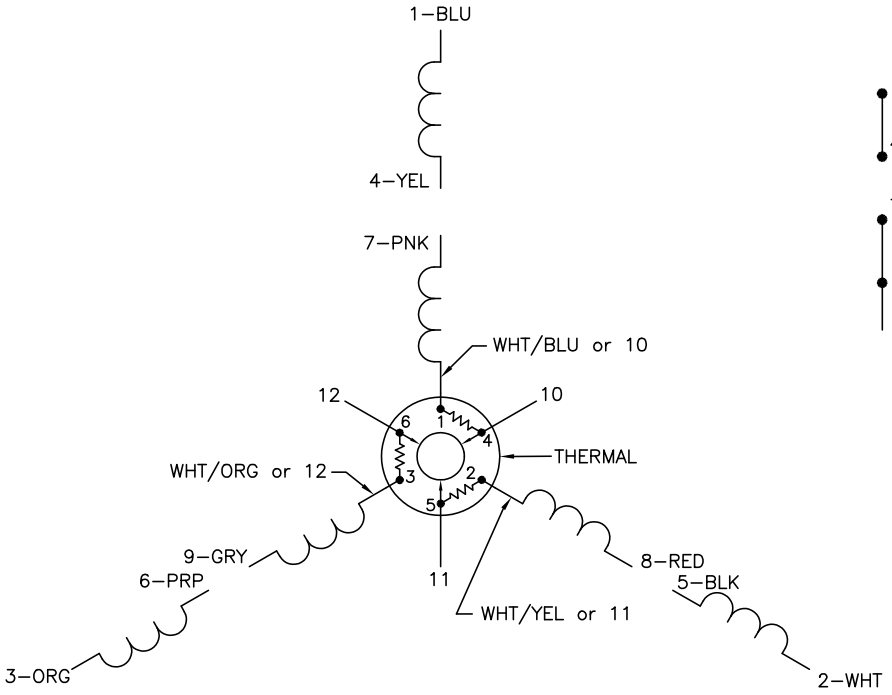
Typical performance - not guaranteed values.

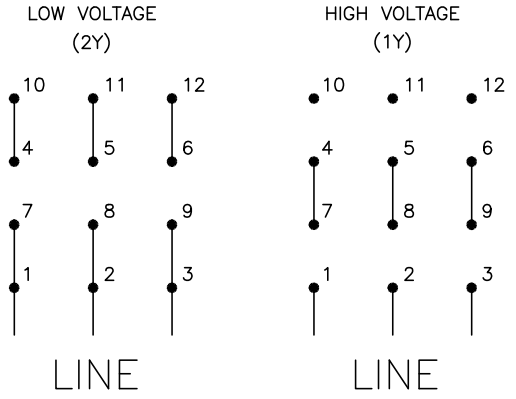
TORQUES(LB-FT): PO=13.22 PU=7.94 LR=9.7 LRA=10.19




35LYX463
Ø6.65
4.55
GROUND LEAD
6.83
3.50
3.44
THERMAL (WHEN REQ'D)
2.44
2.44
2.75
2.75
3.25
6.50
510-520 = 11.41
521-528 = 12.41
529-535 = 13.28
536-546 = 14.66
2.04
1.88
LEAD HOLE .50-14 N.P.S.
NAMEPLATE
.19 KEY 1.38 LONG
Ø.6250 .6245
1.18
4 SLOTS .34 WIDE
.50
.50
3.00
2.75
5.00
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADD THERMAL DIMS AND THERMAL WHEN REQUIRED NOTE
REV: B VERSION: 02 REVISED: 12:53:08 04/06/2023 TDR: 000001205626
MODEL NO. 35LYX463 REF: -
BY: USBUFRA B
BALDOR - RELIANCE®
RESIL 56 TEAO 35M W/TERM PANEL .50-14 N.P.S.
SH 1 of 1
35LYX463

CD0007





NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: ADDED "CK" PLANT CODE			BALDOR ELECTRIC Co.
REV. LTR: E	BY: EAH	REVISED: 05/06/99 17:1	TDR: 0181040
CD0007		FILE: AAA00008370	MDL: –
		MTL: –	3PH, DV, THERMAL, 12 LEADS

CD0007