

ABB BALDOR RELIANCE III

Customer information packet

CHM565A

1HP, 1170RPM, 3PH, 60HZ, 56, 3526M, TEAO, F1, N

Class - None

Division - Not Applicable

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. @ 25°C		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

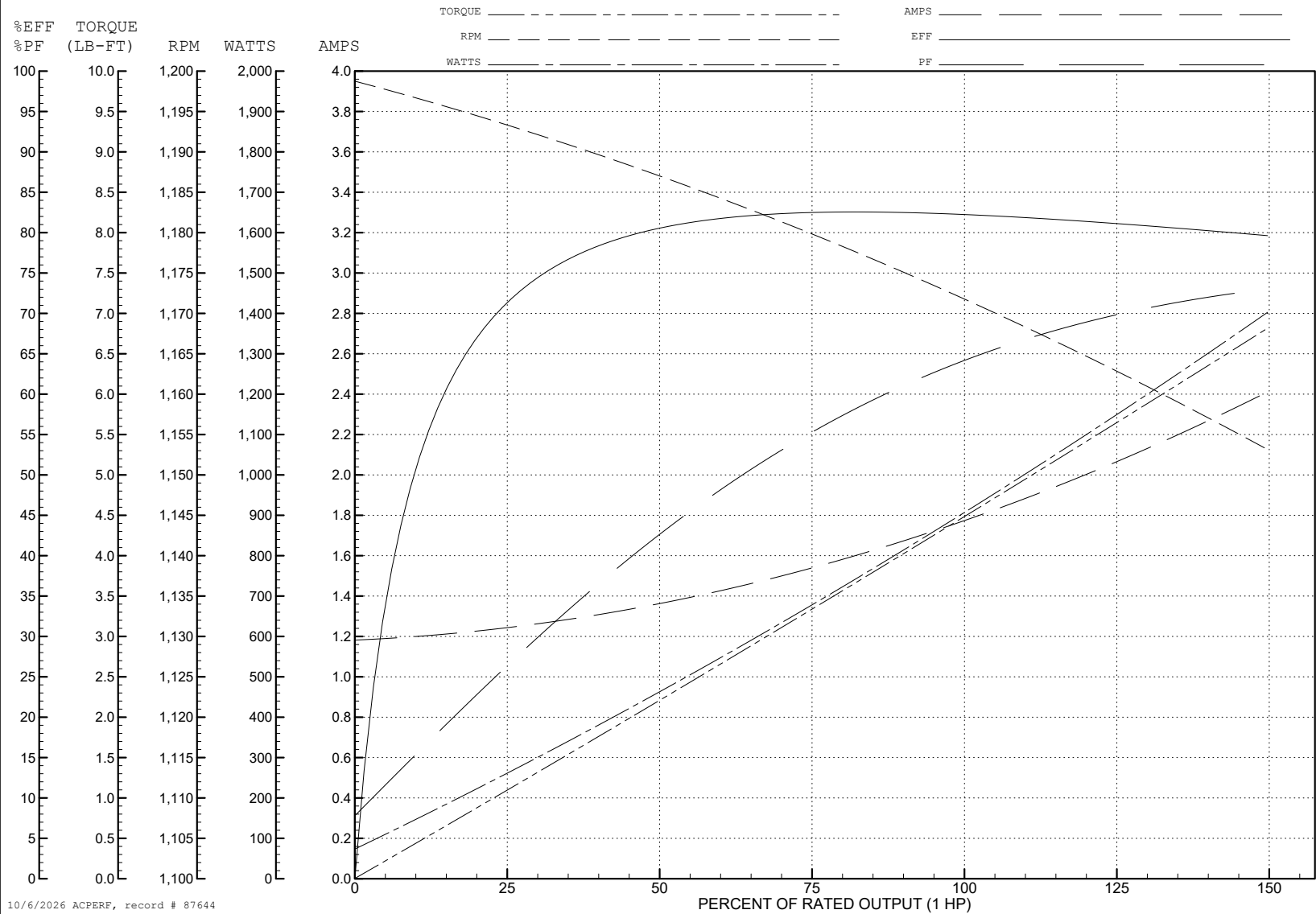
ABB Motors and Mechanical Inc.

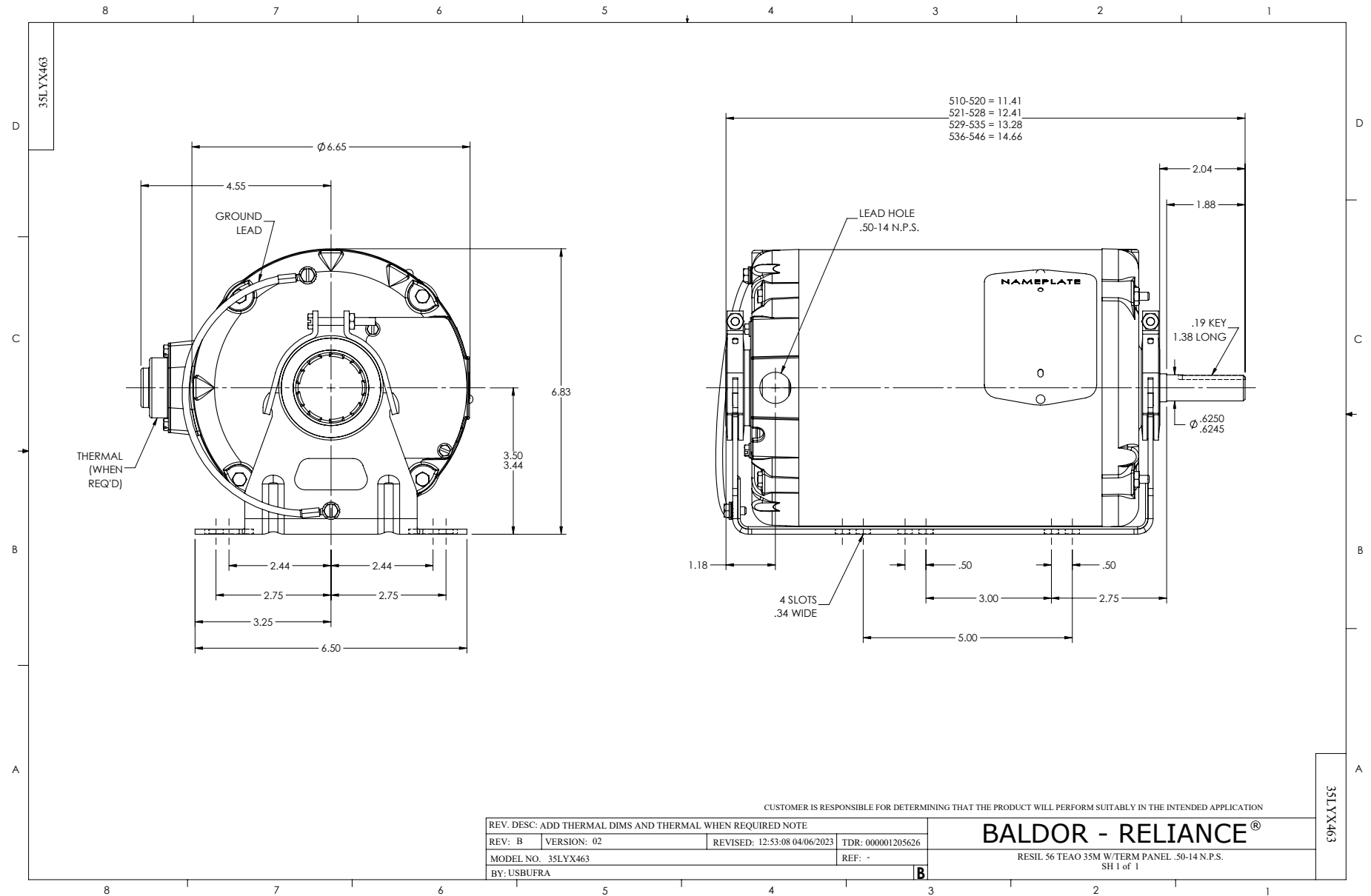
WINDING # 35WGG331

Typical performance - not guaranteed values.

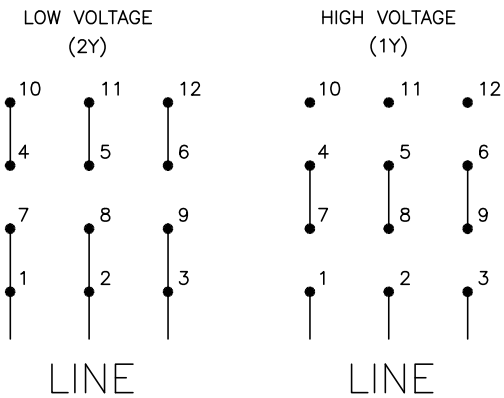
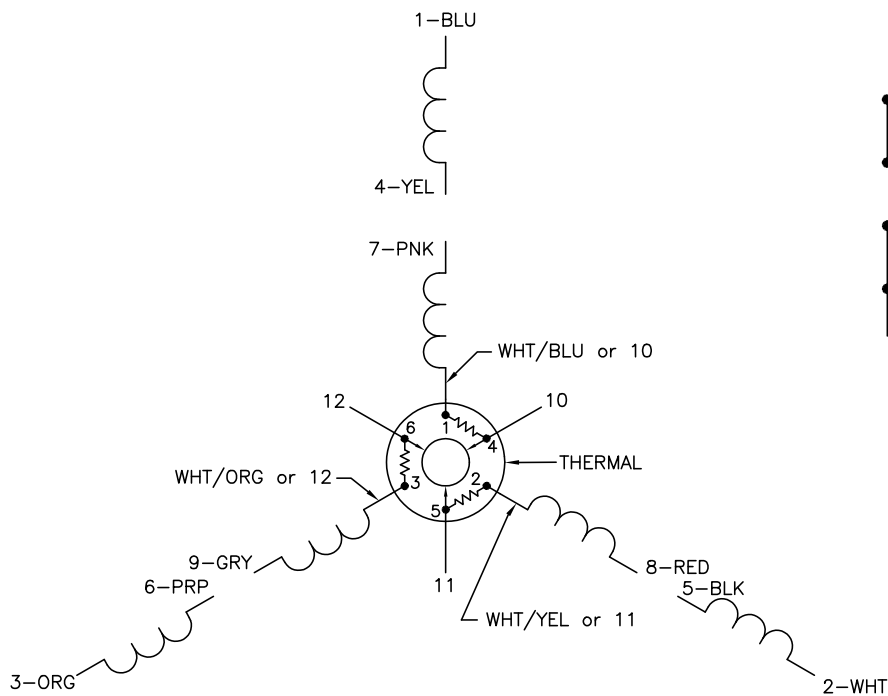
1 HP 3 PH 60 HZ 1170 RPM 460 V 3526M

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





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			
REV. LTR: E	BY: EAH	REVISED: 05/06/99 17:1	TDR: 0181040
200000		FILE: AAA00008370	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, THERMAL, 12 LEADS

CD0007