

ABB BALDOR RELIANCE III

Customer information packet

CHC565A

1 AIR OVERHP, 1090RPM, 1PH, 60HZ, 56, 3534C, T

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	Oil Capacitor Start and Run
Output @ Frequency	1.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 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	10.100 A @ 115.0 V 5.100 A @ 230.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	5.1 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	B

Part Detail

Revision	-
Type	AC
Mech. spec.	35E3460
Base	
Status	PRD/A
Elec. spec.	35WGZ929
Layout	35LYE3460
Eff. date	12-02-2024
CD Diagram	CD0381
Poles	06
Leads	6#18,1#14 #1TH Y
Proprietary	False
Created date	02-23-2023

Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3534C
Mounting Arrangement	F1
Number of Poles	6
Overall Length	13.28 IN
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	Resilient Mount
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1090 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	SB
Winding Thermal 2	None

Nameplate

NP1257L									
CAT.NO.	CHC565A								
SPEC.	35E3460Z929G1								
HP	1 AIR OVER								
VOLTS	115/230								
AMP	10.1/5.1								
RPM	1090								
FRAME	56		HZ	60		PH	1		
SER.F.	1.00	CODE	B	DES	-	CL	F		
NEMA-NOM-EFF		PF							
RATING	40C AMB-CONT								
CC									
DE	6203	ODE	6203						
ENCL	TEAO	SN							

AC Induction Motor Performance Data

Record # 89162

Typical performance - not guaranteed values

Winding: 35WGZ929-R001			Type: 3534C		Enclosure: TEAO	
Nameplate Data			115 V, 60 Hz: Low Voltage Connection			
Rated Output (HP)		1	Full Load Torque		4.73 LB-FT	
Volts		115/230	Start Configuration		direct on line	
Full Load Amps		10.1/5.1	Breakdown Torque		7.14 LB-FT	
R.P.M.		1090	Pull-up Torque		1.03 LB-FT	
Hz	60 Phase	1	Locked-rotor Torque		1.12 LB-FT	
NEMA Design Code		- KVA Code	Starting Current		28.4 A	
Service Factor (S.F.)		1	No-load Current		2.23 A	
NEMA Nom. Eff.	66 Power Factor	93	Line-line Res. @ 25°C		1.28 Ω A Ph 13.3 Ω B Ph	
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		91°C	
			Locked-rotor Power Factor		72.2	
			Rotor inertia		0.246 lb-ft²	

Load Characteristics 115 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100
Power Factor	89	92	93	93
Efficiency	52.8	67.7	70.6	67.5
Speed	1180	1159	1131	1090
Line amperes	3.73	5.48	7.56	10.13

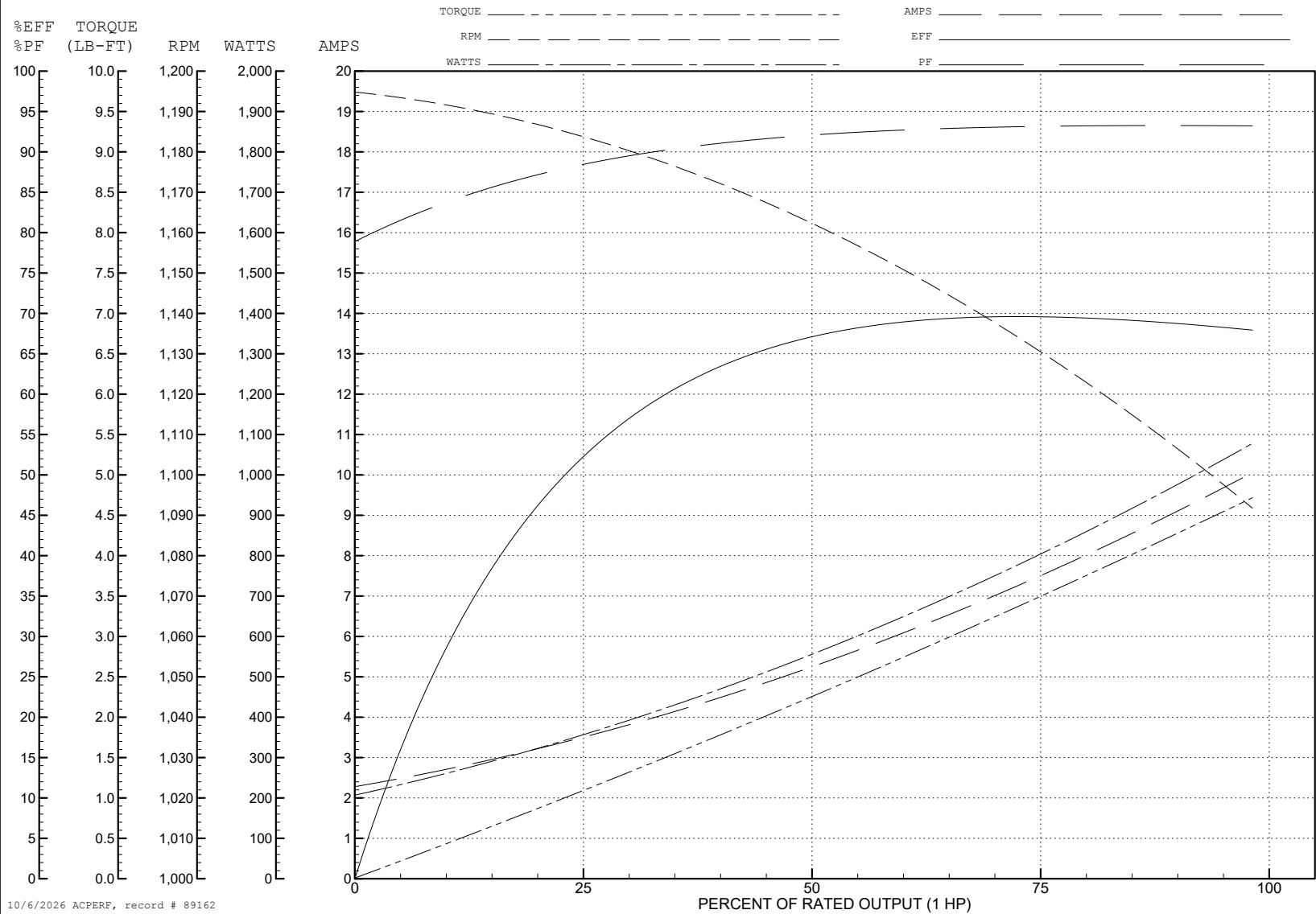
ABB Motors and Mechanical Inc.

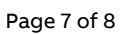
WINDING # 35WGZ929

Typical performance - not guaranteed values.

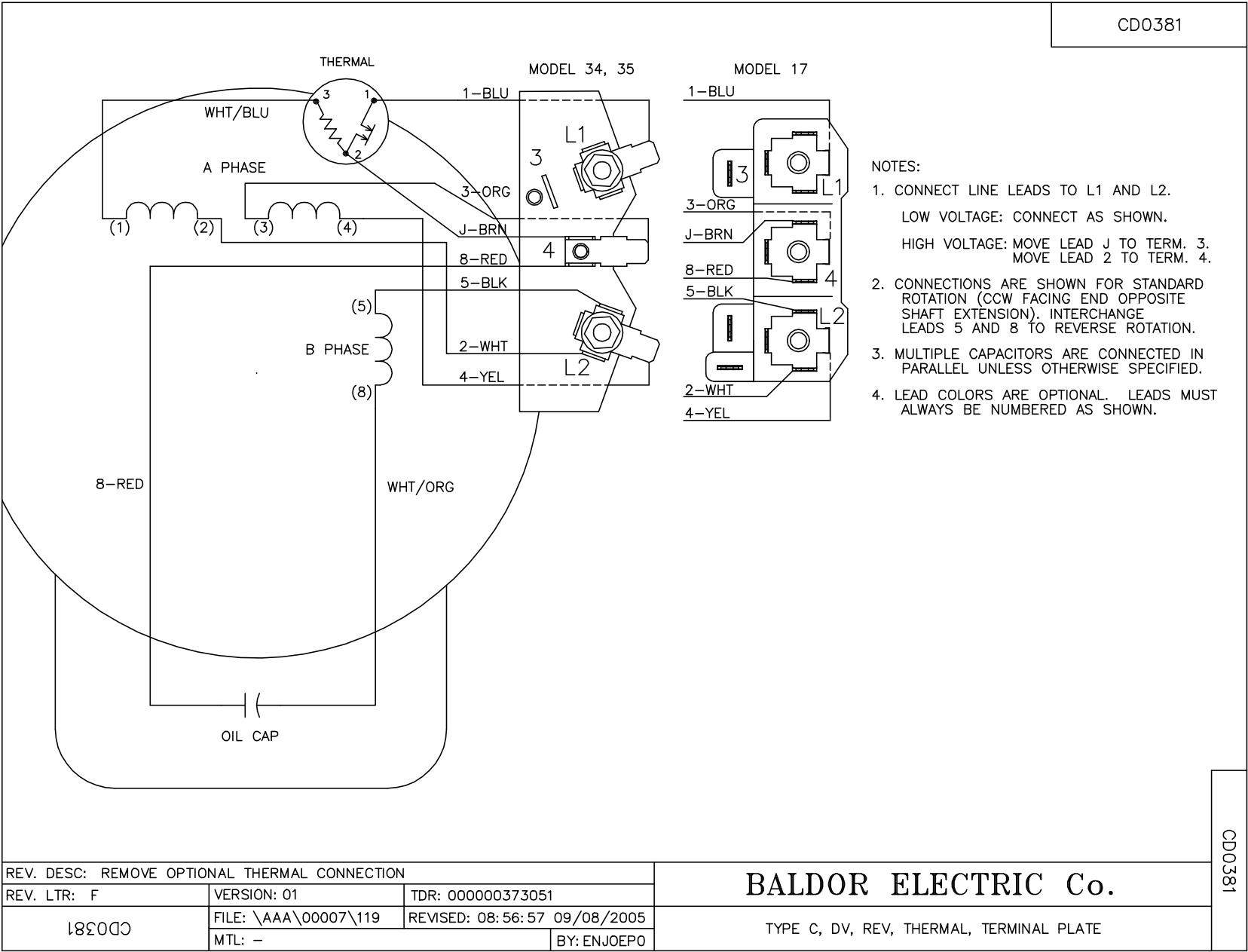
1 HP 1 PH 60 HZ 1090 RPM 115 V 3534C

TORQUES (LB-FT): PO=7.14 PU=1.03 LR=1.12 LRA=28.4





CD0381



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