

ABB BALDOR RELIANCE III

Customer information packet

CHC3528A

.75HP, 1125RPM, 1PH, 60HZ, 56Z, 3535C, TEAO, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEAO
Frame	56Z
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	.750 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	CSA UR
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	4.500 A @ 230.0 V 9.000 A @ 115.0 V
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	71.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Terminal Panel
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	4.5 a
Insulation Class	B

Part Detail

Revision	BA
Type	AC
Mech. spec.	35H317
Base	
Status	NLA/A
Elec. spec.	35WGX410
Layout	35LYH317
Eff. date	01-18-2023
CD Diagram	CD0381
Poles	06
Leads	6#18,1#16 #1TH
Proprietary	False
Created date	01-01-0001

Inverter Code	Not Inverter
KVA Code	E
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Terminal Panel
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	None
Motor Standards	NEMA
Motor Type	3535C
Mounting Arrangement	F1
Number of Poles	6
Overall Length	14.42 IN
Power Factor	74
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 Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible: Connected Standard
Shaft Slinger Indicator	No Slinger
Speed	1125 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Do Not Use Eve-Not Valid
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	Automatic Thermal Overload
Winding Thermal 1 Location	SB
Winding Thermal 2	None

Nameplate

NP1280L									
CAT.NO.									
SPEC.	35H317X410								
HP	.75 AIR OVER								
VOLTS	115/230								
AMP	9/4.5								
RPM	1125								
FRAME	56Z		HZ	60		PH	1		
SER.F.	1.00		CODE	E	DES	-	CL	B	
NEMA-NOM-EFF	71		PF	74					
RATING	40C AMB-CONT								
CC									
DE	6203		ODE	6203					
ENCL	TEAO		SN						

AC Induction Motor Performance Data

Record # 9993

Typical performance - not guaranteed values

Winding: 35WGX410-R001			Type: 3535C		Enclosure: TEFC	
Nameplate Data				230 V, 60 Hz: High Voltage Connection		
Rated Output (HP)		.75 AIR OVER		Full Load Torque		3.5 LB-FT
Volts		115/230		Start Configuration		direct on line
Full Load Amps		9/4.5		Breakdown Torque		6.5 LB-FT
R.P.M.		1125		Pull-up Torque		0.8 LB-FT
Hz	60	Phase	1	Locked-rotor Torque		1 LB-FT
NEMA Design Code		- KVA Code		Starting Current		15.6 A
Service Factor (S.F.)		1		No-load Current		2.8 A
NEMA Nom. Eff.		71	Power Factor	Line-line Res. @ 25°C		4.36 Ω A Ph 13.1 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		58°C

Load Characteristics 230 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	46	58	69	74	79	83
Efficiency	51	64	69	71	65	59
Speed	1181	1166	1144	1124	1085	1040
Line amperes	3	3.3	3.9	4.5	5.6	6.7

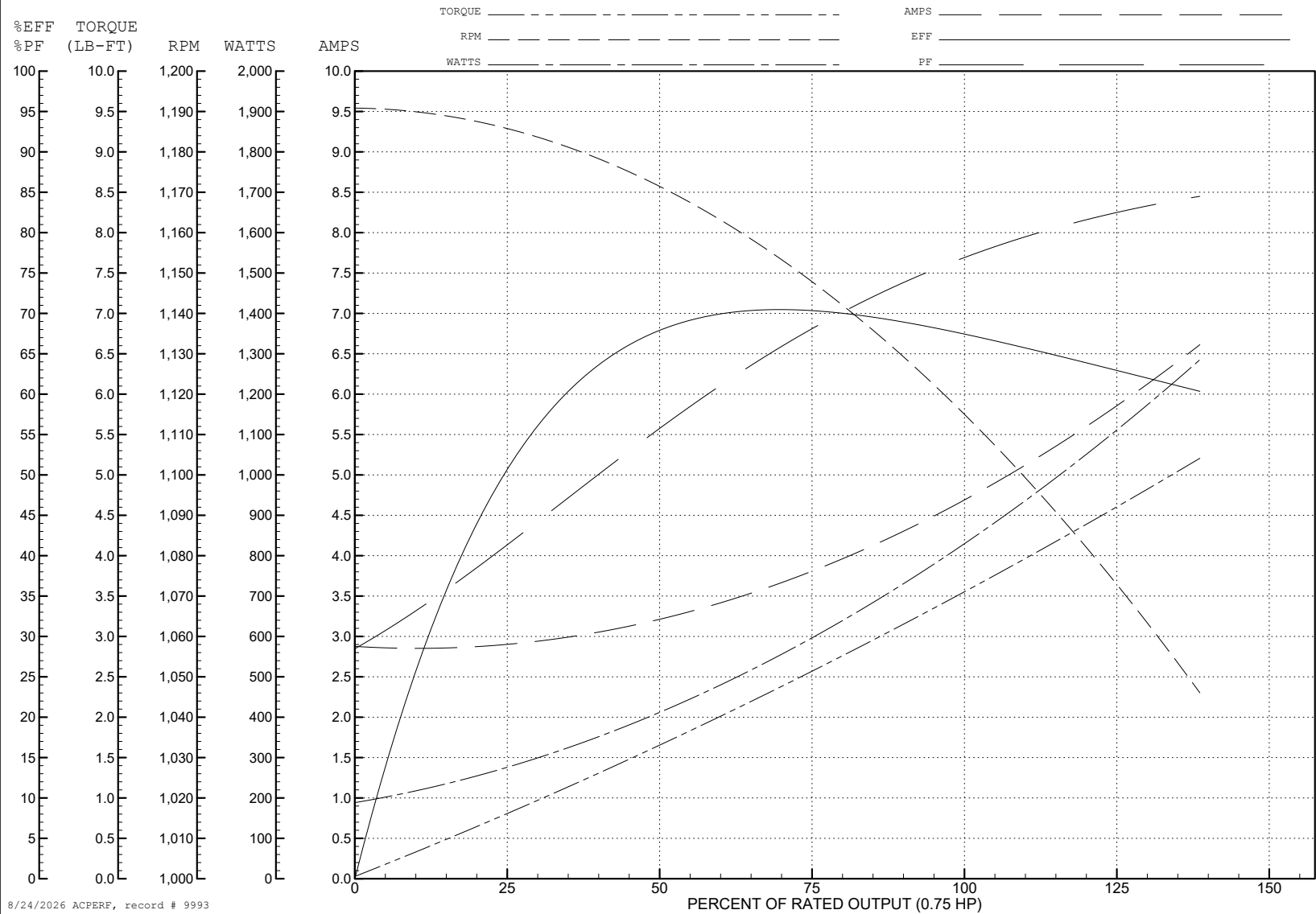
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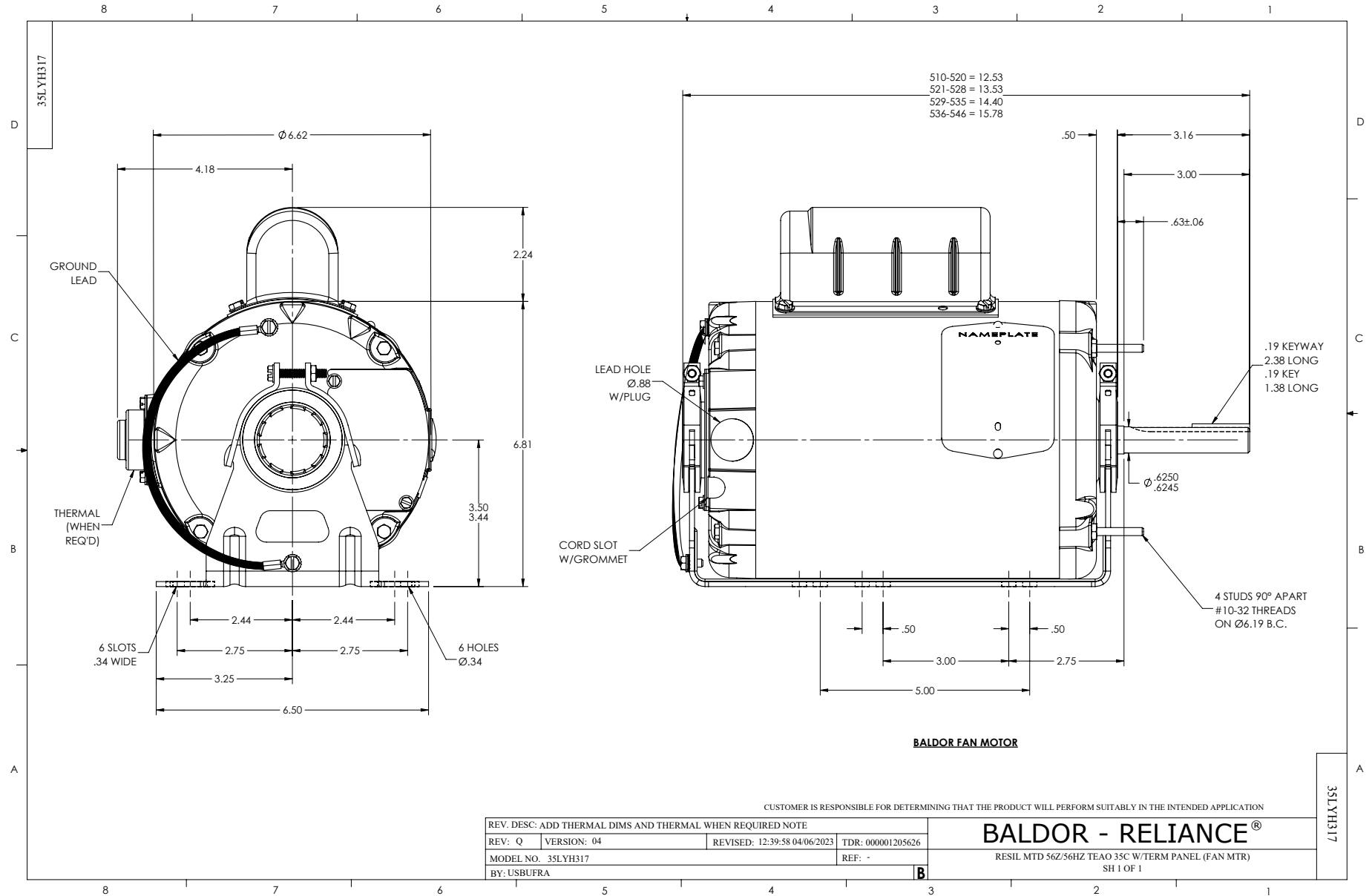
WINDING # 35WGX410

Typical performance - not guaranteed values.

0.75 HP 1 PH 60 HZ 1125 RPM 230 V 3535C

TORQUES (LB-FT) : PO=6.5 PU=0.8 LR=1 LRA=15.6





CD0381

