ABB BALDOR RELIANCE

Customer information packet

CHC3528A

.75HP, 1125RPM, 1PH, 60HZ, 56Z, 3535C, TEAO, F1
Class - None
Division - Not Applicable

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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 Valiid
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**	E	**Starting Current**	15.6 A
Service Factor (S.F.)			1	**No-load Current**	2.8 A
NEMA Nom. Eff.	71	**Power Factor**	74	**Line-line Res. @ 25ºC**	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

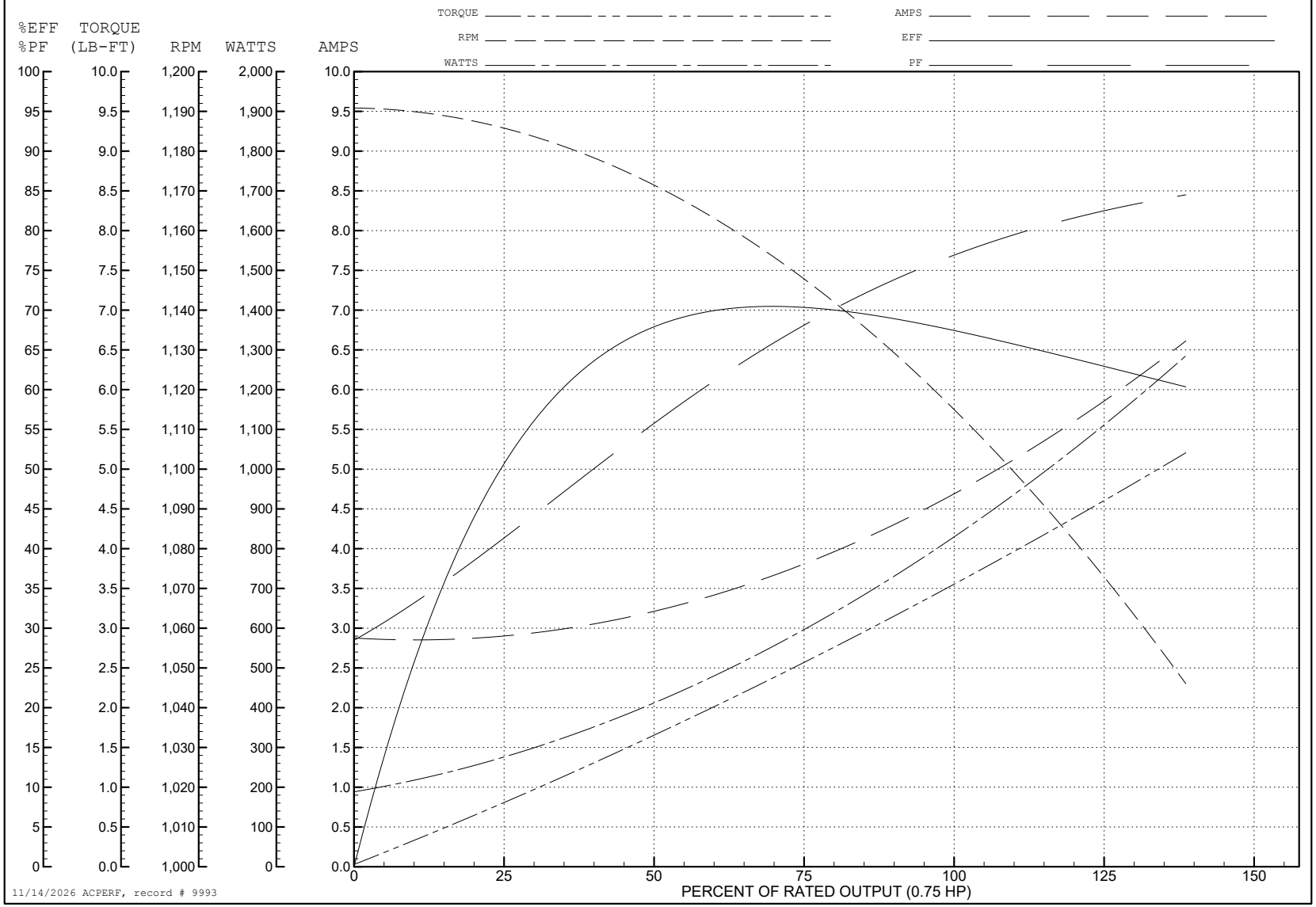
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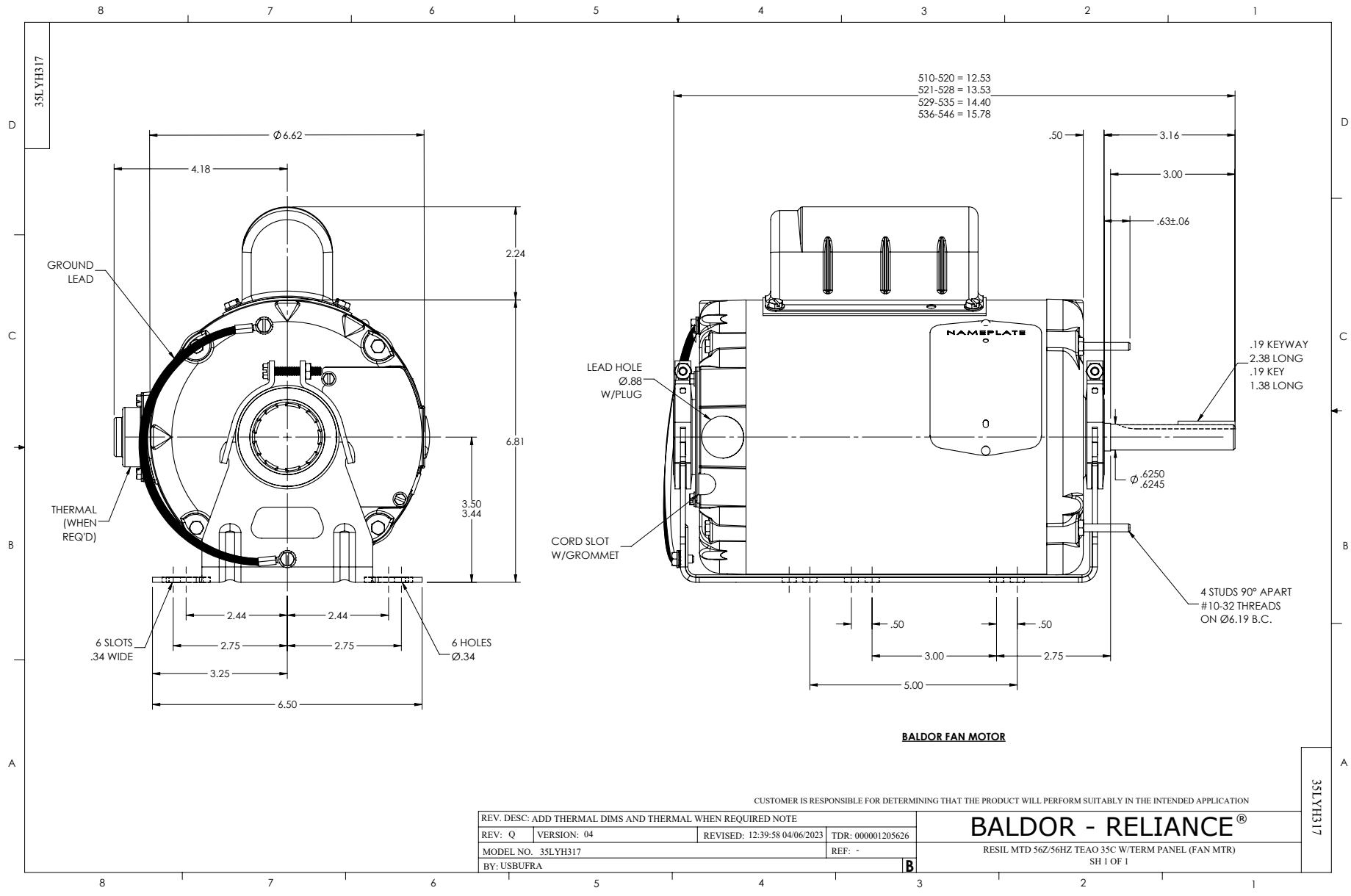
WINDING # 35WGX410

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

Typical performance - not guaranteed values.

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





BALDOR FAN MOTOR

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

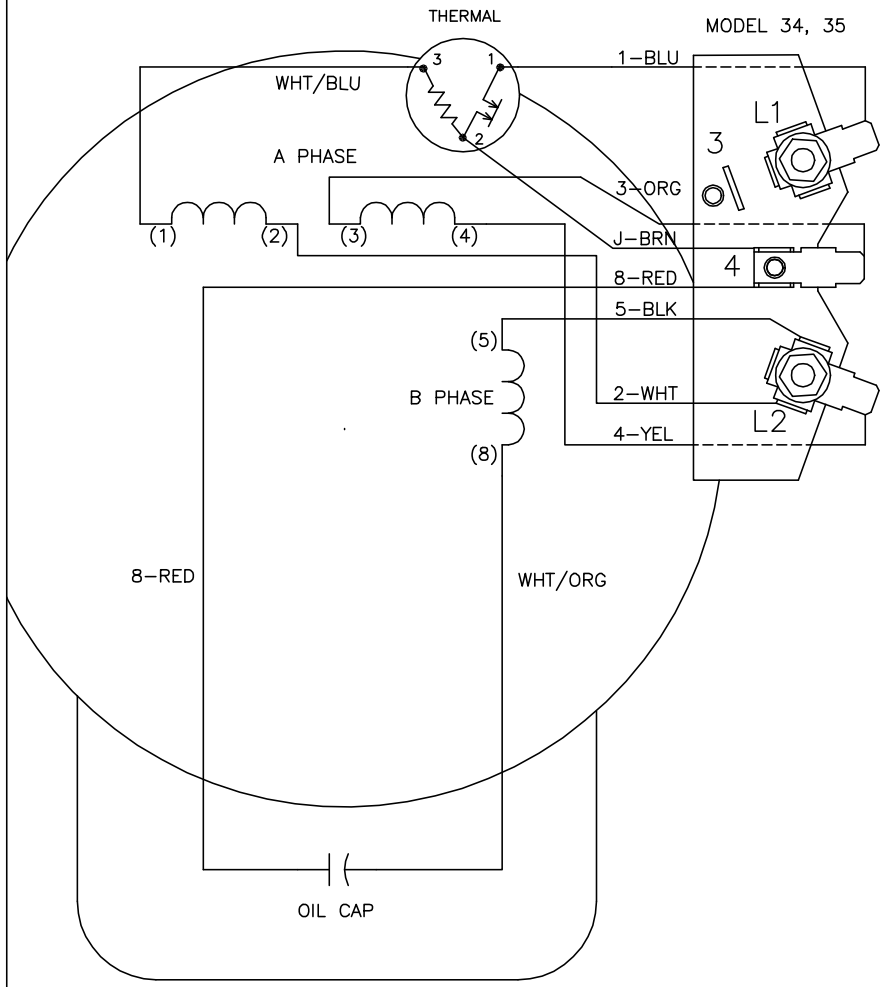
REV. DESC: ADD THERMAL DIMS AND THERMAL WHEN REQUIRED NOTE			
REV: Q	VERSION: 04	REVISED: 12:39:58 04/06/2023	TDR: 000001205626
MODEL NO. 35LYH317			REF: -
BY: USBUFRA			B

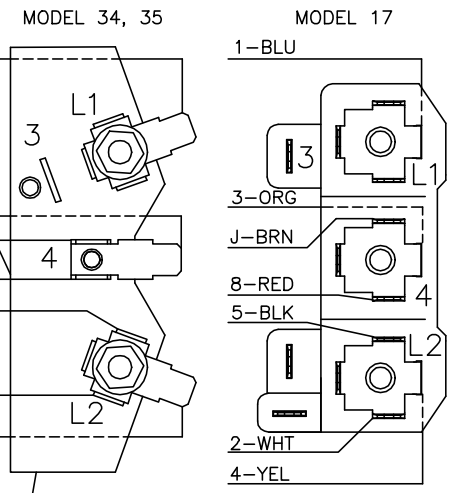
BALDOR - RELIANCE®

RESIL MTD 56Z/56HZ TEAO 35C W/TERM PANEL (FAN MTR)
SH 1 OF 1

35LYH317

CD0381





NOTES:

1. CONNECT LINE LEADS TO L1 AND L2.
   LOW VOLTAGE: CONNECT AS SHOWN.
   HIGH VOLTAGE: MOVE LEAD J TO TERM. 3. MOVE LEAD 2 TO TERM. 4.
2. CONNECTIONS ARE SHOWN FOR STANDARD ROTATION (CCW FACING END OPPOSITE SHAFT EXTENSION). INTERCHANGE LEADS 5 AND 8 TO REVERSE ROTATION.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0381

REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION			BALDOR ELECTRIC Co.
REV. LTR: F	VERSION: 01	TDR: 000000373051	
CD0381	FILE: \AAA\00007\119	REVISED: 08:56:57 09/08/2005	TYPE C, DV, REV, THERMAL, TERMINAL PLATE
	MTL: –	BY: ENJOEP0	

CD0381