

ABB BALDOR RELIANCE III

Customer information packet

M7003A

.33HP, 1140RPM, 3PH, 60HZ, 56, X3512M, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

Specifications

Enclosure	XPFC
Frame	56
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP D; CLII GP F,G
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	.330 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	UR UL CSA
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	.800 A @ 460.0 V 1.600 A @ 230.0 V 1.700 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	70.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part Detail

Revision	AQ
Type	AC
Mech. spec.	35E354
Base	
Status	NLA/A
Elec. spec.	35WGZ008
Layout	35LYE354
Eff. date	02-13-2023
CD Diagram	CD0007
Poles	06
Leads	12#18
Proprietary	False
Created date	01-01-0001

Front Shaft Indicator	None
Haz Area Temp Code	T4
Heater Indicator	No Heater
High Voltage Full Load Amps	0.8 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	12 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3512M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	14.30 IN
Power Factor	57
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
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
Shaft Slinger Indicator	No Slinger
Speed	1140 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

NP0016XPSL									
NO.		CC							
SER. #									
SPEC	35E354Z08								
CAT.NO.	M7003A								
H.P.	.33	T. CODE	T4						
VOLTS	208-230/460								
AMPS	1.7-1.6/.8								
R.P.M.	1140								
HZ	60	PH	3	CLASS	B				
SER.F.	1.00	DES	B	CODE	K				
RATING	40C AMB-CONT								
FRAME	56	NEMA NOM. EFF							70
PF	57								
BLANK									

AC Induction Motor Performance Data

Record # 10398

Typical performance - not guaranteed values

Winding: 35WGZ008-R002			Type: 3512M		Enclosure: XPFC	
Nameplate Data				460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)		.33		Full Load Torque		1.5 LB-FT
Volts		208-230/460		Start Configuration		direct on line
Full Load Amps		1.7-1.6/.8		Breakdown Torque		6 LB-FT
R.P.M.		1140		Pull-up Torque		4.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque		4.6 LB-FT
NEMA Design Code		B	KVA Code	Starting Current		4.1 A
Service Factor (S.F.)		1		No-load Current		0.7 A
NEMA Nom. Eff.		70	Power Factor	Line-line Res. @ 25°C		56.6 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		32°C
				Locked-rotor Power Factor		72.4
				Rotor inertia		0.0712 LB-FT2

Load Characteristics 460 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	27	37	47	54	63	68
Efficiency	40.9	58	64.4	68.1	69.2	69
Speed	1190	1180	1171	1160	1150	1139
Line amperes	0.72	0.74	0.78	0.84	0.89	0.97

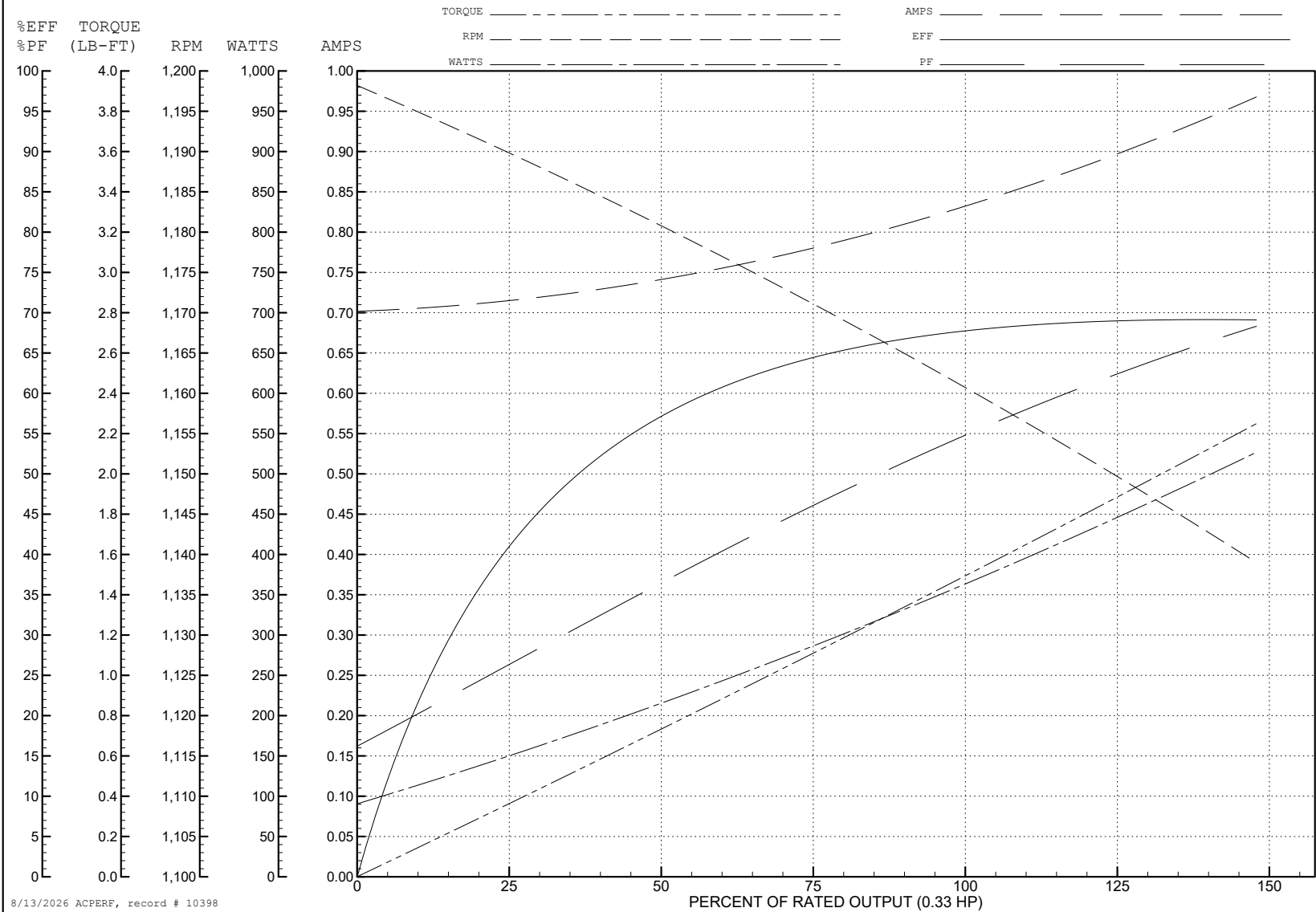
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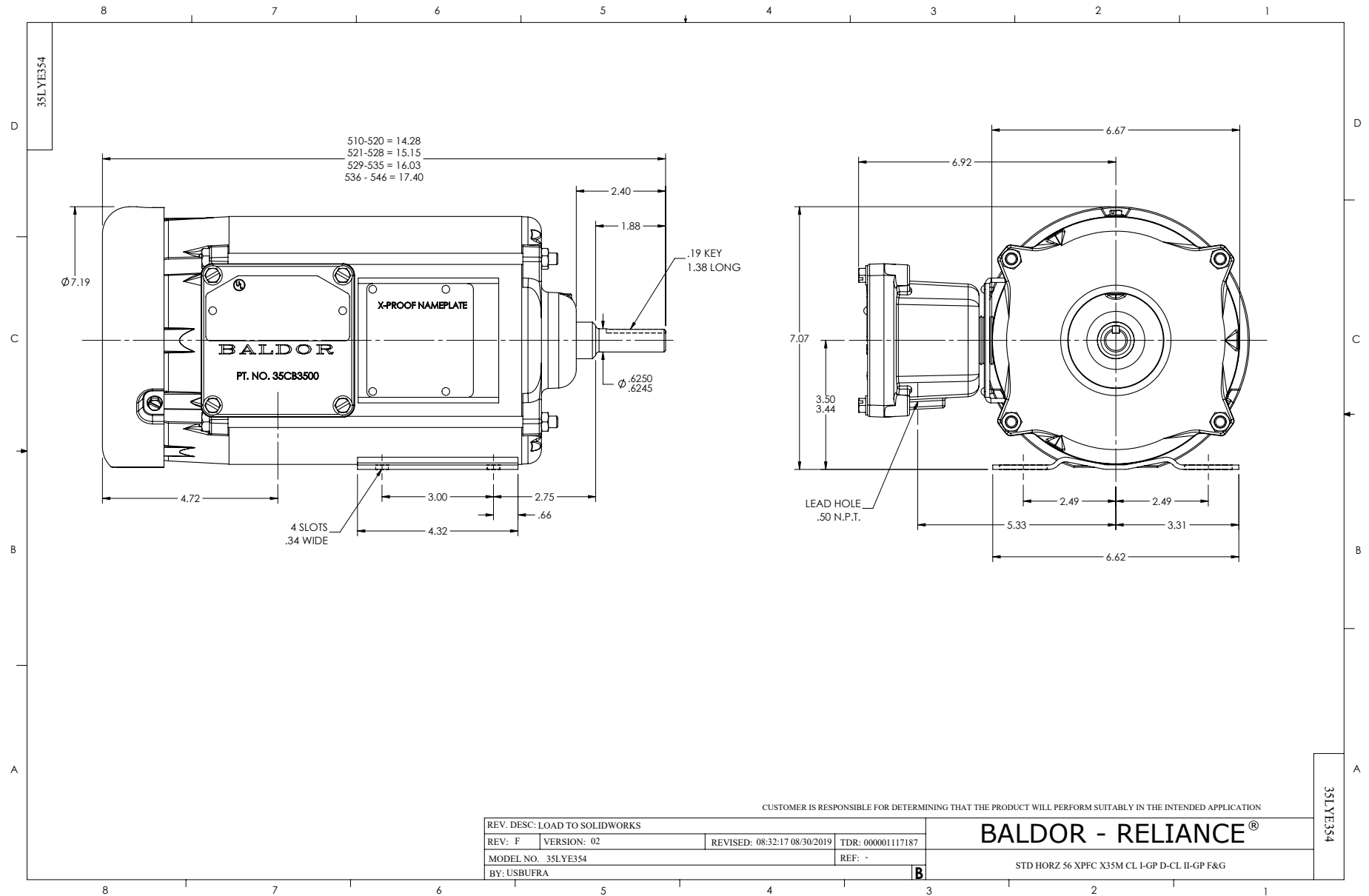
WINDING # 35WGZ008

Typical performance - not guaranteed values.

0.33 HP 3 PH 60 HZ 1140 RPM 460 V 3512M

TORQUES (LB-FT) : PO=6 PU=4.5 LR=4.6 LRA=4.1





CD0007

