

ABB BALDOR RELIANCE III

Customer information packet

EM7041T

2//1.5HP, 1175//975RPM, 3PH, 60//50HZ, 184T

Class - CLI GP D; CLII GP F,G

Division - Division I

Specifications

Enclosure	XPFC
Frame	184T
Frame Material	Steel
Frequency	50.00 Hz 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	1.500 HP @ 50 HZ 2.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 380.0 V @ 50 HZ 230.0 V @ 60 HZ 190.0 V @ 50 HZ
Agency Approvals	CSA UL
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	7.000 A @ 230.0 V 7.000 A @ 208.0 V 6.600 A @ 190.0 V 3.500 A @ 460.0 V 3.300 A @ 380.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT

Part Detail

Revision	J
Type	AC
Mech. spec.	36N004
Base	
Status	PRD/A
Elec. spec.	36WGS917
Layout	36LYN004
Eff. date	02-15-2024
CD Diagram	CD0005
Poles	06
Leads	9#16
Proprietary	False
Created date	06-04-2012

Efficiency @ 100% Load	88.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	3.3 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	M
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3644M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	18.92 IN
Power Factor	60
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	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger

Speed	1175 rpm 975 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1426XPSLEV									
NO.		CC	010A						
SER.									
SPEC.	36N004S917G1								
CAT.NO.	EM7041T								
HP	2//1.5	T. CODE	T3C						
VOLTS	230/460//190/380								
AMPS	7/3.5//6.6/3.3								
RPM	1175//975								
HZ	60//50	PH	3	CL	F				
SER.F.	1.00	DES	A	CODE	M				
RATING	40C AMB-CONT								
FRAME	184T	NEMA-NOM-EFF	88.5						
		PF	60						
BLANK									

AC Induction Motor Performance Data

Record # 38671

Typical performance - not guaranteed values

Winding: 36WGS917-R002		Type: 3644M	Enclosure: XPFC
Nameplate Data		460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2//1.5	Full Load Torque	8.91 LB-FT
Volts	230/460//190/380	Start Configuration	direct on line
Full Load Amps	7/3.5//6.6/3.3	Breakdown Torque	40.2 LB-FT
R.P.M.	1175//975	Pull-up Torque	21.6 LB-FT
Hz	60//50 Phase	Locked-rotor Torque	28.2 LB-FT
NEMA Design Code	A KVA Code	Starting Current	27.5 A
Service Factor (S.F.)	1	No-load Current	2.45 A
NEMA Nom. Eff.	88.5 Power Factor	Line-line Res. @ 25°C	4.2188 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	34°C

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	24	40	52	60	66	70
Efficiency	76.4	85.3	88	88.9	88.8	88.4
Speed	1196.9	1191.4	1185.5	1179.4	1172.7	1165.5
Line amperes	2.53	2.76	3.09	3.49	3.97	4.52

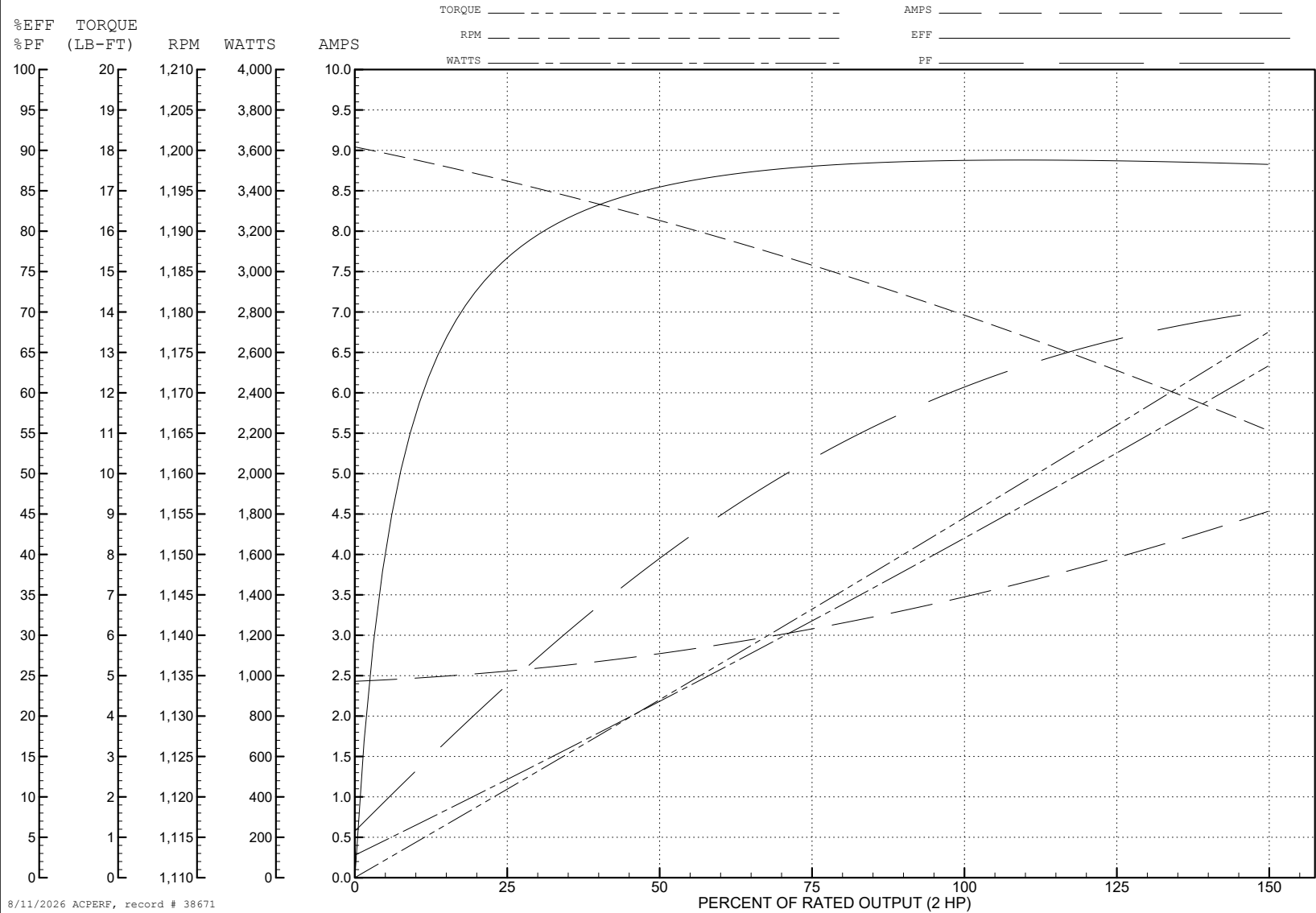
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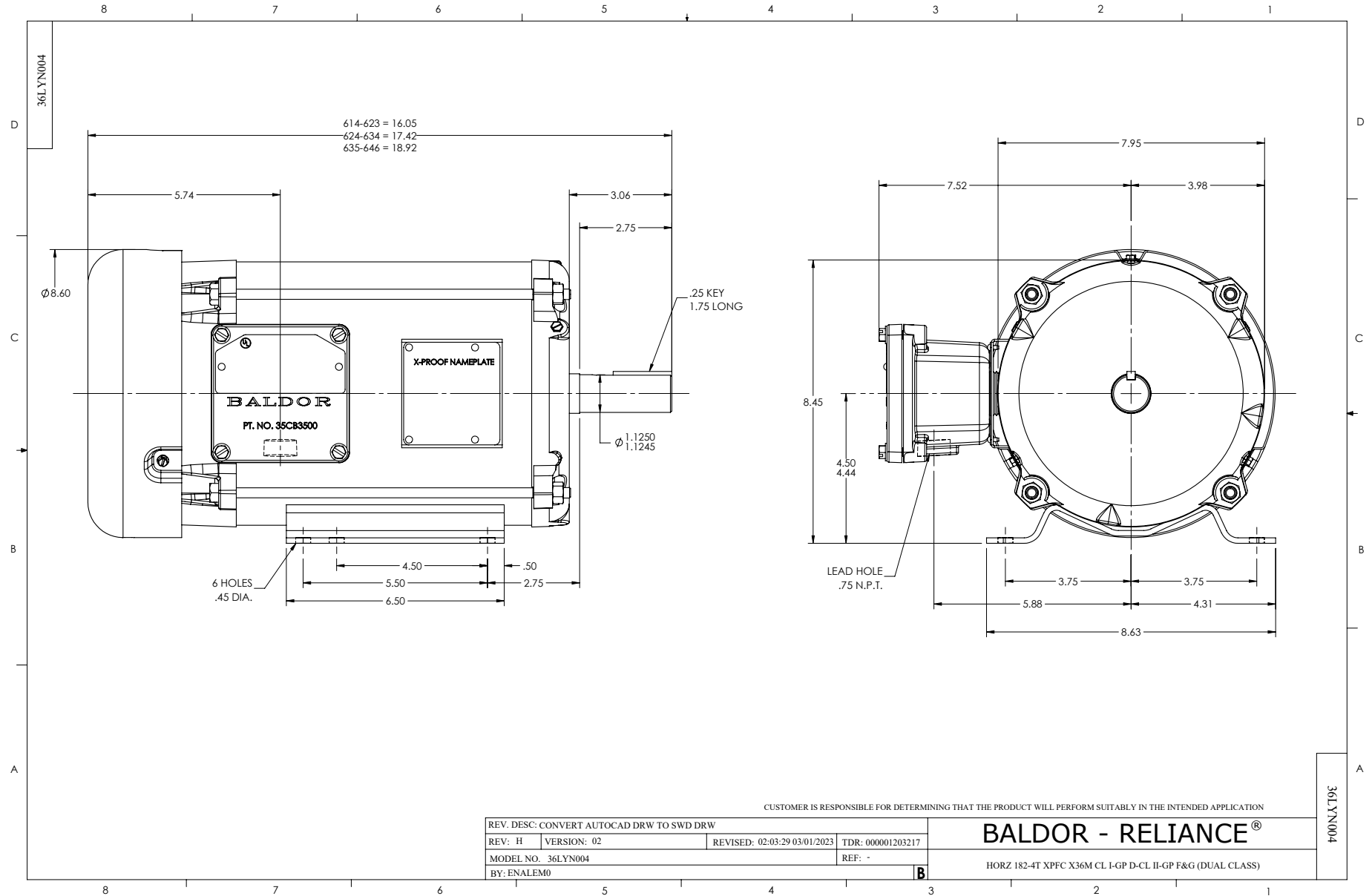
WINDING # 36WGS917

Typical performance - not guaranteed values.

2 HP 3 PH 60 HZ 1179.4 RPM 460 V 3644M

TORQUES (LB-FT): PO=40.2 PU=21.6 LR=28.2 LRA=27.5







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