

ABB BALDOR RELIANCE III

Customer information packet

CFSWDNM3611T-E-G

3HP, 1750RPM, 3PH, 60HZ, 182TC, 3646M, TENV, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TENV
Frame	182TC
Frame Material	Stainless Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA EEV UR NEMA_PREMIUM NEMA PREMIUM
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	4.000 A @ 460.0 V 8.000 A @ 230.0 V 8.600 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater

Part Detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	36WGR704
Layout	36LY-000-278
Eff. date	02-09-2023
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	10-08-2021

High Voltage Full Load Amps	4.0 a
Insulation Class	H
Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3646M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	17.05 IN
Power Factor	79
Product Family	WD All SS Encapsulated
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Speed	1750 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	None
Winding Thermal 2	None

Nameplate

NP4292M01									
CAT.NO.	CFSWDNM3611T-E-G								
SPEC.	36-0000-3589								
HP	3								
VOLTS	230/460								
AMPS	8/4								
R.P.M.	1750								
FRAME	182TC			HZ	60		PH	3	
SER.F.	1.15	CODE	K	DES.	B	CLASS	H		
NEMA NOM. EFF.	89.5			P.F.	79				
RATING	40C AMB-CONT								
CC	010A		USABLE AT 208V					N/A	
DE	6206		ODE	6206					
ENCL	TENV	SN							
	4:1CT, 10:1VT IP69								

AC Induction Motor Performance Data

Record # 52326

Typical performance - not guaranteed values

Winding: 36WGR704-R001			Type: 3646M		Enclosure: TENV			
Nameplate Data			460 V, 60 Hz: High Voltage Connection					
Rated Output (HP)		3	Full Load Torque		9.03 LB-FT			
Volts		230/460	Start Configuration		direct on line			
Full Load Amps		8/4	Breakdown Torque		33.1 LB-FT			
R.P.M.		1750	Pull-up Torque		19.1 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque		22.4 LB-FT		
NEMA Design Code		B	KVA Code	K	Starting Current		30.9 A	
Service Factor (S.F.)		1.15		No-load Current		1.96 A		
NEMA Nom. Eff.		89.5	Power Factor		76	Line-line Res. @ 25°C		3.4828 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		101°C		
S.F. Amps				Temp. Rise @ S.F. Load		125°C		

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	40	61	72	79	82	84	81
Efficiency	85.2	89.7	90.2	89.7	88.5	86.9	89
Speed	1788.3	1777.8	1766	1753.9	1740.2	1724.1	1746
Line amperes	2.17	2.62	3.3	4	4.85	5.82	4.51

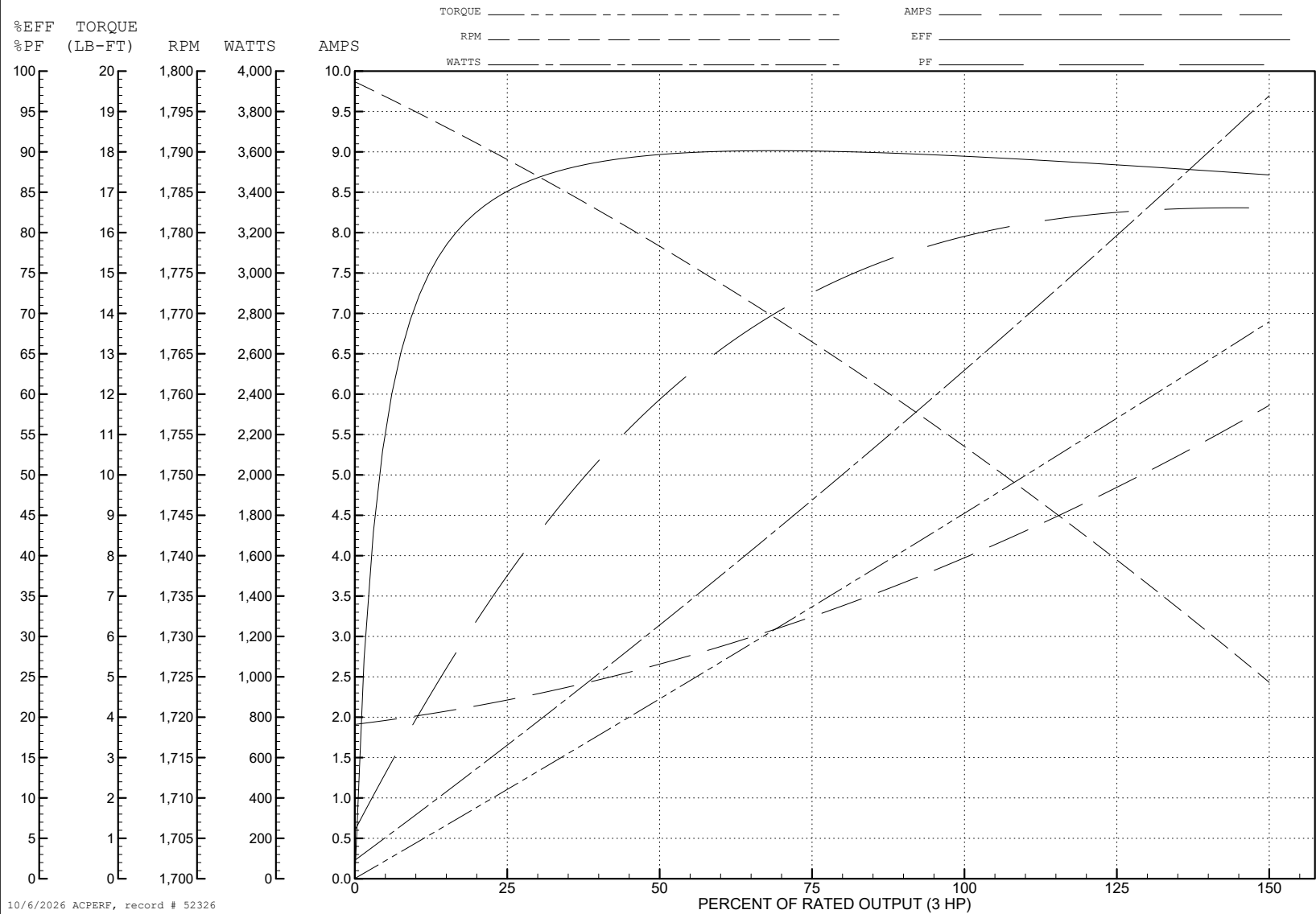
ABB Motors and Mechanical Inc.

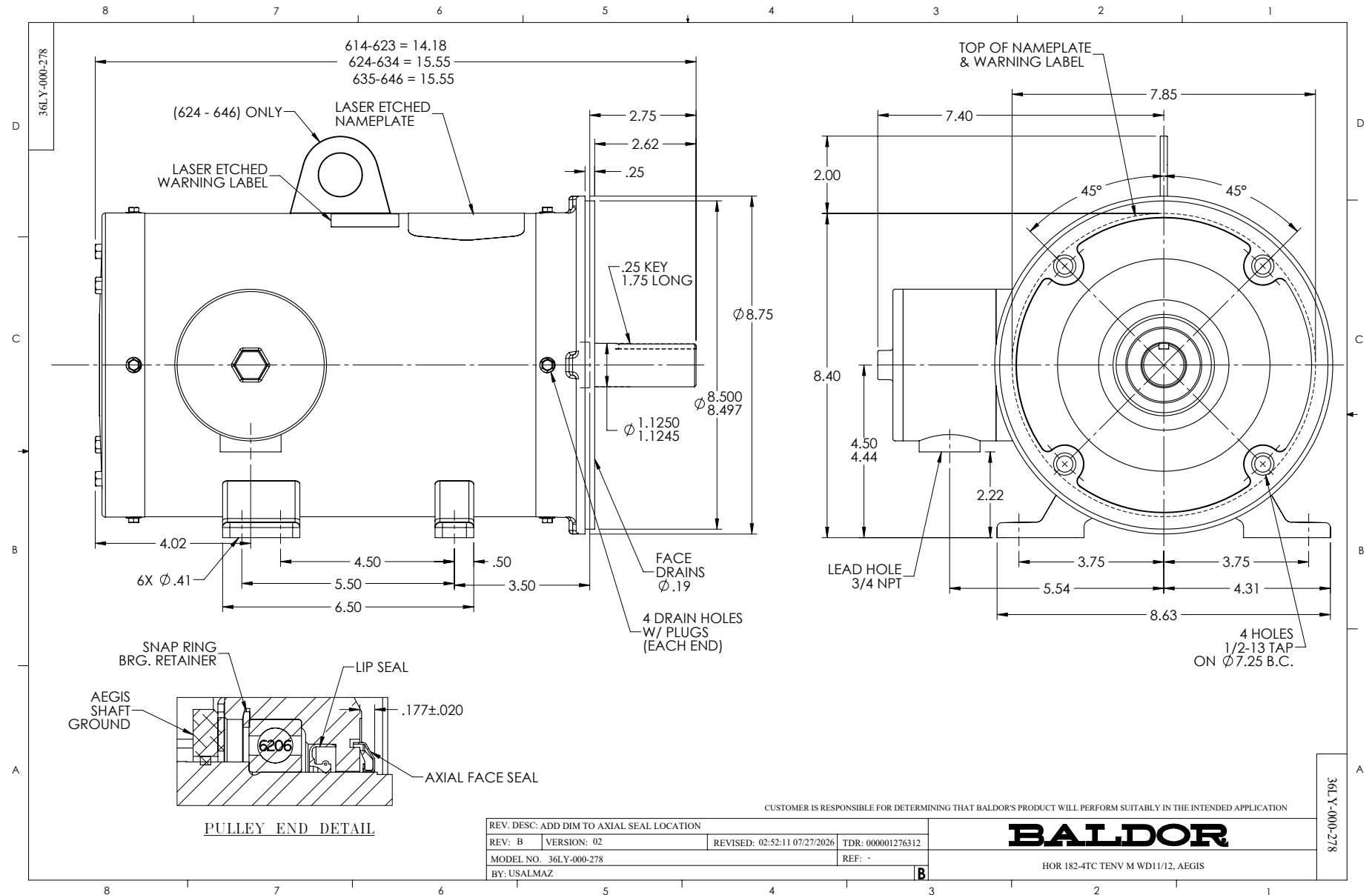
WINDING # 36WGR704

Typical performance - not guaranteed values.

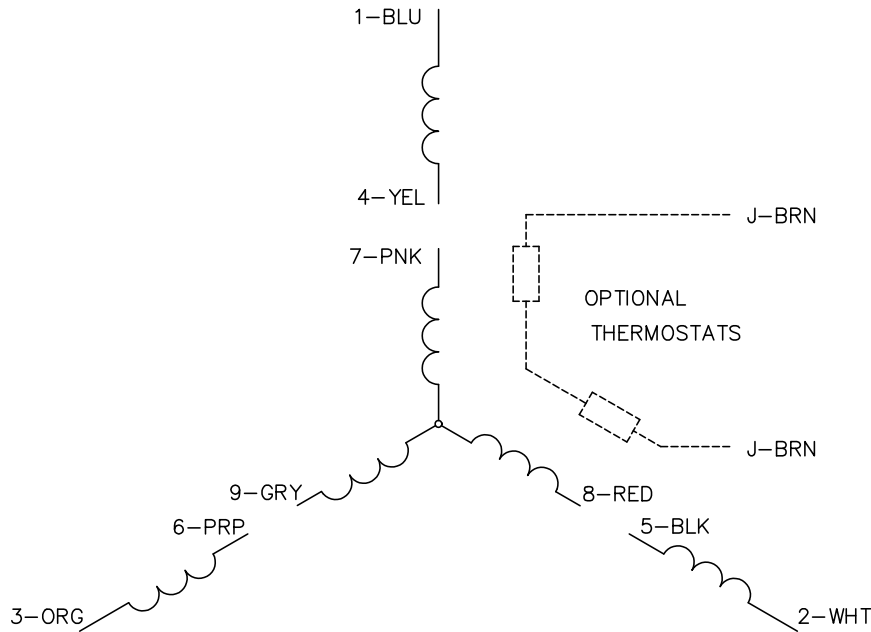
3 HP 3 PH 60 HZ 1750 RPM 460 V 3646M

TORQUES (LB-FT): PO=33.1 PU=19.1 LR=22.4 LRA=30.9

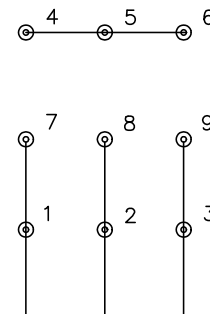




CD0005

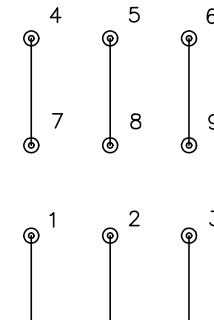


LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E BY: JLP REVISED: 01/19/99 10:15 TDR: 0171435

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005