BALDOR • RELIANCE

Customer information packet

EMVM3611D

2.2KW, 1760RPM, 3PH, 60HZ, D100D, 3632M, TEFC
Class - None
Division - Not Applicable

6/9/2025 4:38:36 AM

Specifications

Enclosure	TEFC
Frame	D100D
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	2.200 KW @ 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
	CE
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	4.200 A @ 460.0 V
	8.400 A @ 230.0 V
	9.000 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
Frame Prefix	D
Front Face Code	Standard
Front Shaft Indicator	None

Part detail

Revision	M
Type	AC
Mech. spec.	36G244
Base	
Status	PRD/A
Elec. spec.	36WGS266
Layout	36LYG244
Eff. date	12-30-2024
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	05-11-2015

Heater Indicator	No Heater
High Voltage Full Load Amps	4.2 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	IEC
Motor Type	3632M
Mounting Arrangement	B5
Number of Poles	4
Overall Length	17.91 IN
Power Factor	75
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	D-Flange
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.103 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1760 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

NP2672L							
CAT.NO.	EMVM3611D						
SPEC.	36G244S266G1						
IEC FRAME	D100D	**KW**	2.2				
VOLTS	230/460						
AMP	8.4/4.2						
RPM	1760	**ENCL**	TEFC				
HZ	60	**PH**	3	**CL**	F		
SER.F.	1.15	**DES**	B	**CODE**	K		
NEMA-NOM-EFF	89.5	**I.P.**	54				
RATING	40C AMB-CONT						
CC	010A	**USABLE AT 208V**	N/A				
DE	6206	**ODE**	6205				
SER. #							

AC Induction Motor Performance Data
Record # 57403
Typical performance - not guaranteed values

Winding: 36WGS266-R056	**Type:** 3632M	**Enclosure:** XPFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (KW)			2.2	**Full Load Torque**	8.66 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			8.4/4.2	**Breakdown Torque**	37.6 LB-FT
R.P.M.			1760	**Pull-up Torque**	15.2 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	21.7 LB-FT
NEMA Design Code	B	**KVA Code**	K	**Starting Current**	32.7 A
Service Factor (S.F.)			1.15	**No-load Current**	2.3 A
NEMA Nom. Eff.	89.5	**Power Factor**	75	**Line-line Res. @ 25ºC**	3.81 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	43°C
S.F. Amps				**Temp. Rise @ S.F. Load**	52°C
				Locked-rotor Power Factor	42.2
				Rotor inertia	0.298 LB-FT2

Load Characteristics 460 V, 60 Hz, 2.2 KW

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	34	54	68	75	80	82	77
Efficiency	80.9	87.8	89.6	89.8	89.6	88	89.2
Speed	1791	1783	1773	1764	1754	1742	1755
Line amperes	2.46	2.83	3.4	4.05	4.83	5.69	4.63

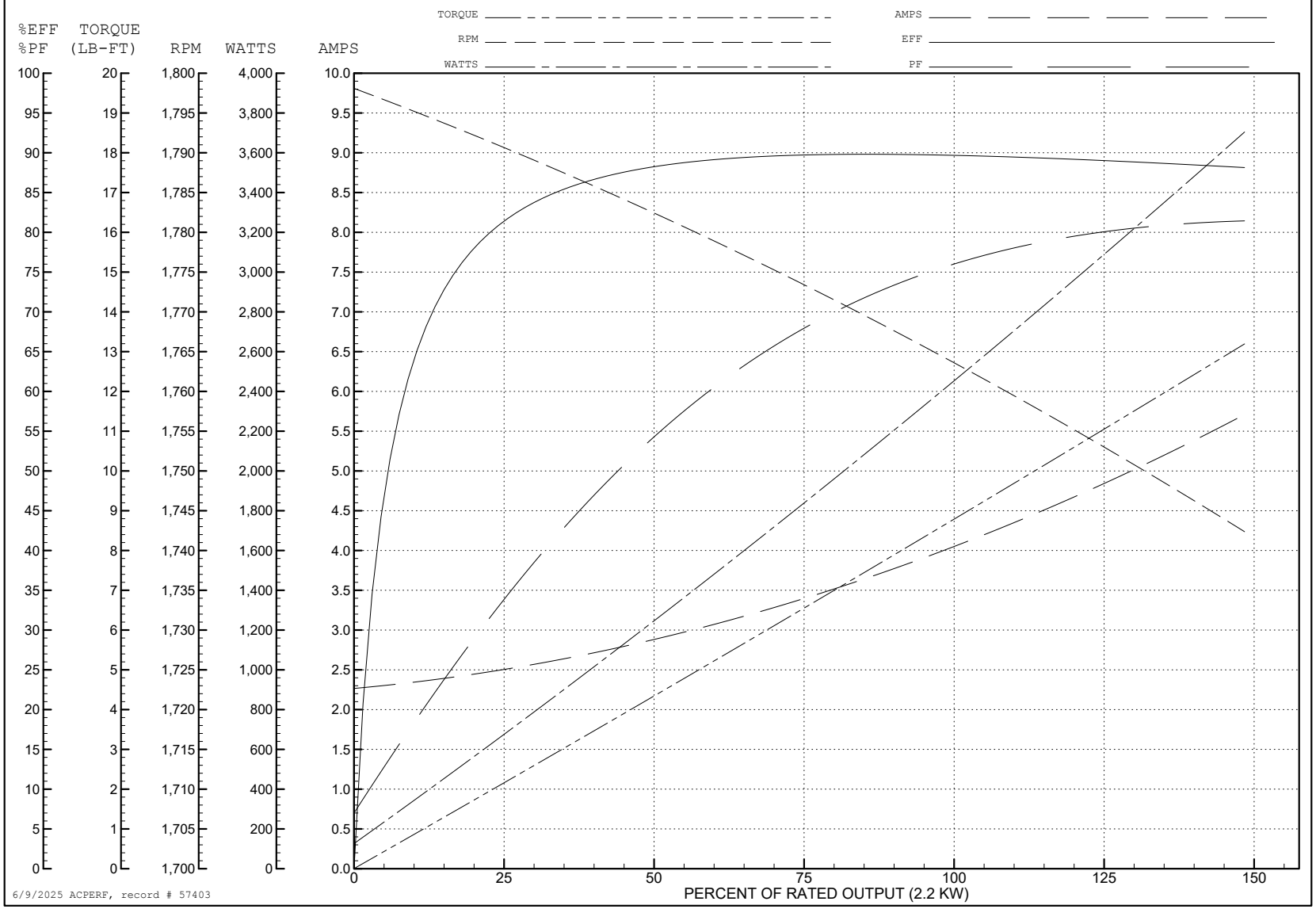
ABB Motors and Mechanical Inc.

WINDING # 36WGS266

2.2 KW 3 PH 60 HZ 1760 RPM 460 V 3632M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=37.6 PU=15.2 LR=21.7 LRA=32.7



AC Induction Motor Performance Data
Record # 83706
Typical performance - not guaranteed values

Winding: 36WGS266-R056	**Type:** 3632M	**Enclosure:** XPFC

Nameplate Data				**400 V, 50 Hz: High Voltage Connection**	
Rated Output (KW)			2.2	**Full Load Torque**	10.43 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			8.4/4.2	**Breakdown Torque**	39.64 LB-FT
R.P.M.			1760	**Pull-up Torque**	17.5 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	24.98 LB-FT
NEMA Design Code	B	**KVA Code**	K	**Starting Current**	33.55 A
Service Factor (S.F.)			1.15	**No-load Current**	2.53 A
NEMA Nom. Eff.	89.5	**Power Factor**	75	**Line-line Res. @ 25ºC**	3.81 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	54°C
S.F. Amps				**Temp. Rise @ S.F. Load**	66°C
				Locked-rotor Power Factor	42.2
				Rotor inertia	0.298 lb-ft²

Load Characteristics 400 V, 50 Hz, 2.2 KW

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	36	56	70	76	81	83	79
Efficiency	81.2	87.4	88.8	88.5	87.8	85.7	88.1
Speed	1490	1481	1471	1461	1449	1435	1454
Line amperes	2.71	3.15	3.84	4.62	5.58	6.65	5.2

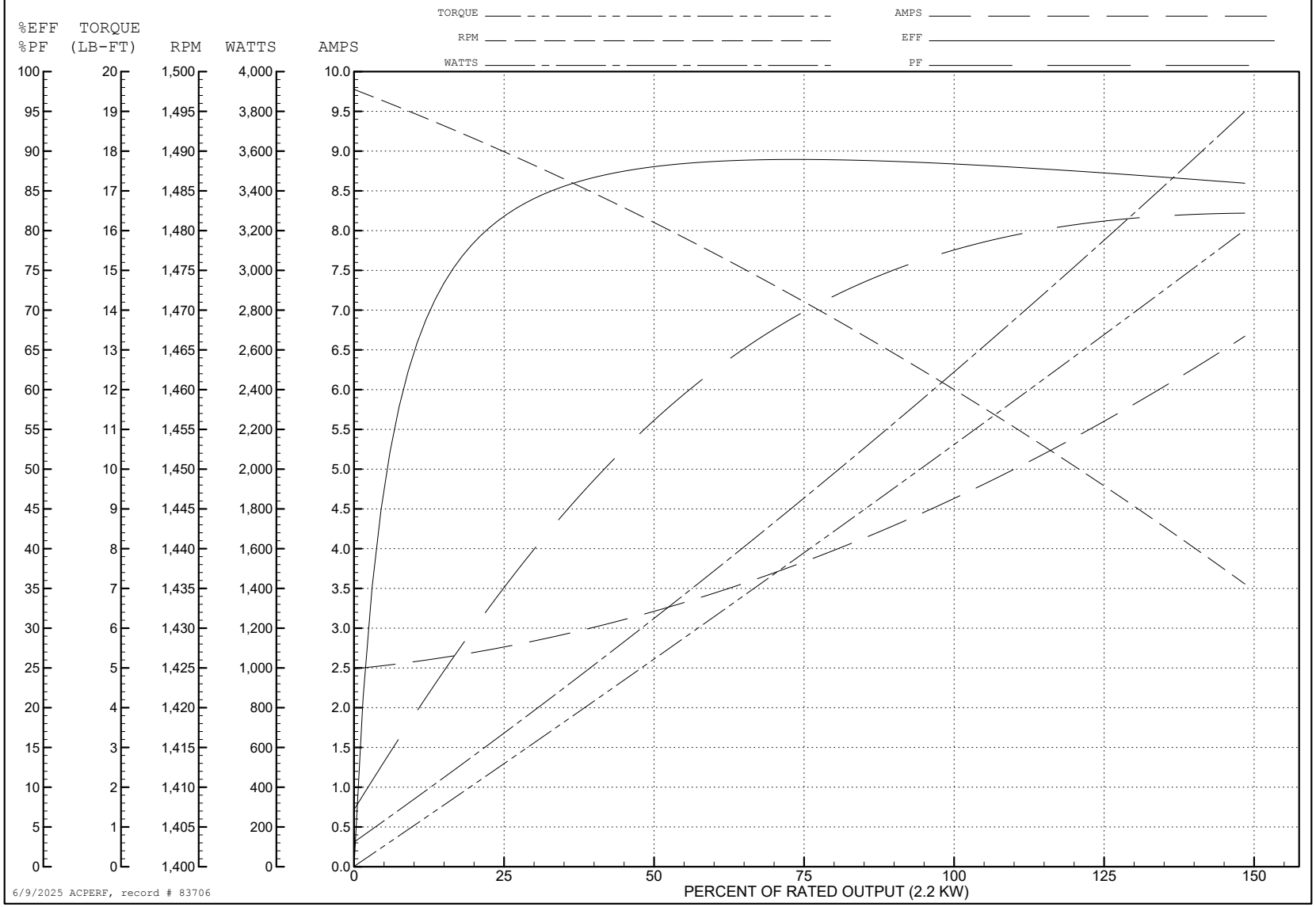
ABB Motors and Mechanical Inc.

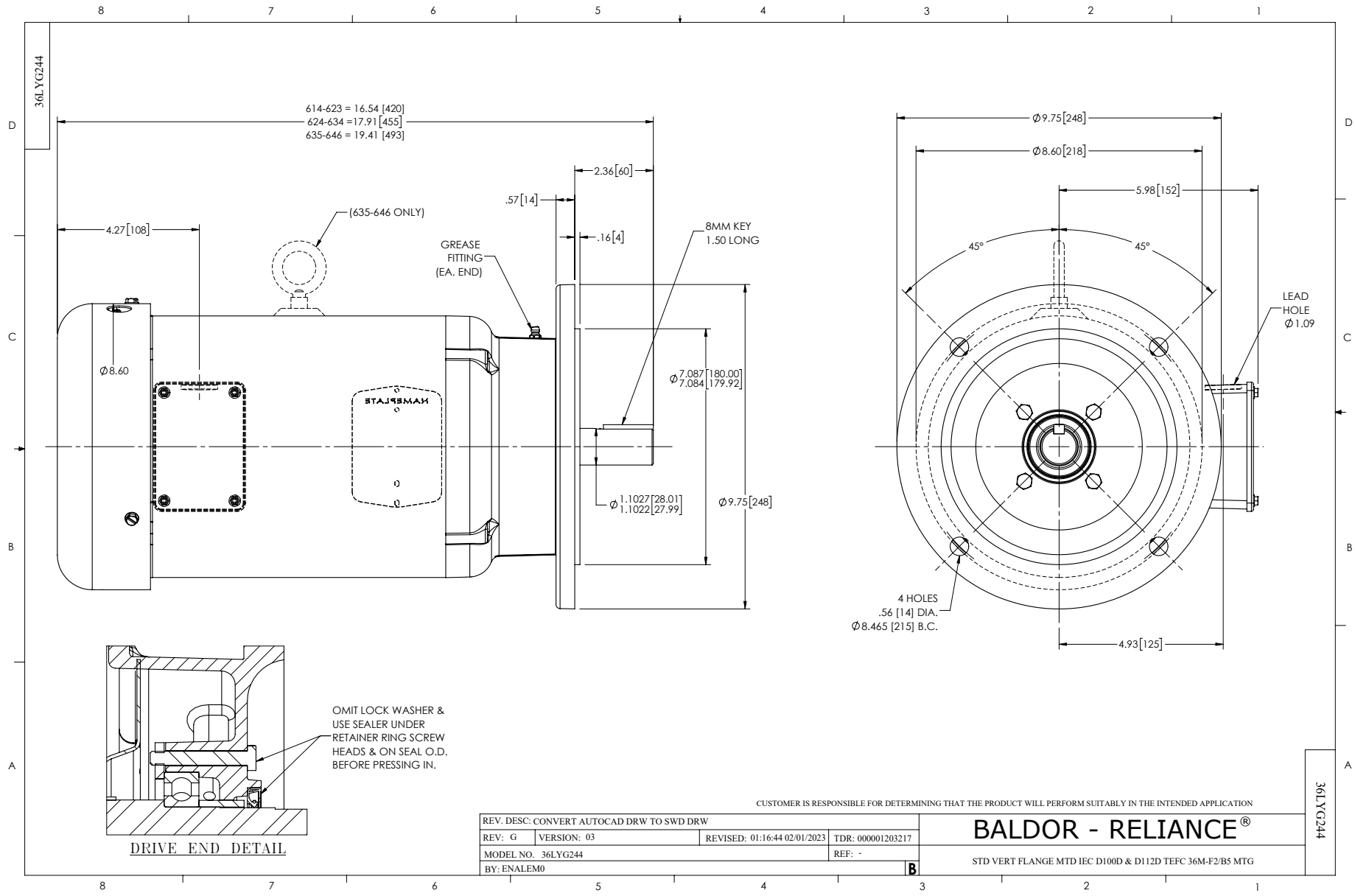
WINDING # 36WGS266

2.2 KW 3 PH 50 HZ 1760 RPM 400 V 3632M

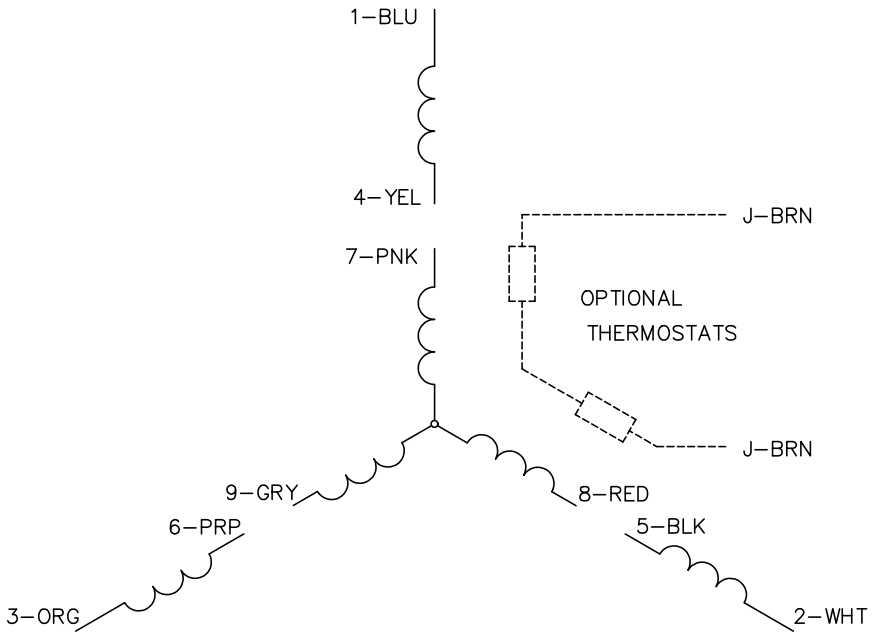
Typical performance - not guaranteed values.

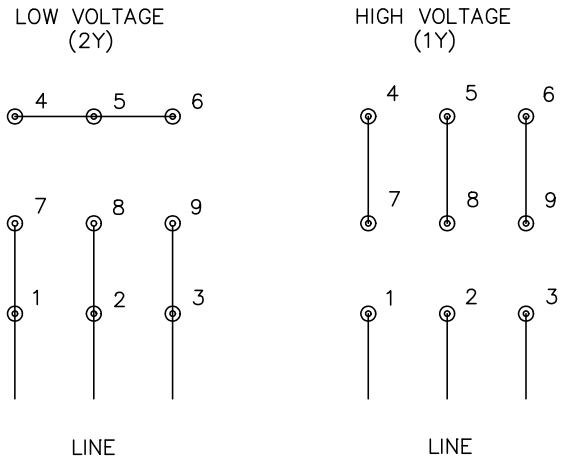
TORQUES(LB-FT): PO=39.64 PU=17.5 LR=24.98 LRA=33.55




36LYG244
614-623 = 16.54 [420]
624-634 =17.91[455]
635-646 = 19.41 [493]
2.36[60]
.57[14]
.16[4]
(635-646 ONLY)
4.27[108]
GREASE FITTING (EA. END)
8MM KEY 1.50 LONG
Ø8.60
Ø7.087[180.00] Ø7.084[179.92]
Ø1.1027[28.01] Ø1.1022[27.99]
Ø9.75[248]
NAMEPLATE
Ø9.75[248]
Ø8.60[218]
5.98[152]
45°
45°
LEAD HOLE Ø1.09
4 HOLES .56 [14] DIA. Ø8.465 [215] B.C.
4.93[125]
OMIT LOCK WASHER & USE SEALER UNDER RETAINER RING SCREW HEADS & ON SEAL O.D. BEFORE PRESSING IN.
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD DRW TO SWD DRW
REV: G VERSION: 03 REVISED: 01:16:44 02/01/2023 TDR: 000001203217
MODEL NO. 36LYG244 REF: -
BY: ENALEM0 B
BALDOR - RELIANCE®
STD VERT FLANGE MTD IEC D100D & D112D TEFC 36M-F2/B5 MTG
36LYG244

CD0005





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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS