

**BALDOR® • RELIANCE®**

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# Customer information packet

## JMEWDM3611T

3HP, 1760RPM, 3PH, 60HZ, 182JM, 3632M, TEFC, F1

Class - None

Division - Not Applicable

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## Specifications

Enclosure	TEFC
Frame	182JM
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	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CSA CSA EEV UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	8.400 A @ 230.0 V 9.000 A @ 208.0 V 4.200 A @ 460.0 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
Front Face Code	Standard
Front Shaft Indicator	None

## Part detail

Revision	N
Type	AC
Mech. spec.	36K605
Base	
Status	PRD/A
Elec. spec.	36WGS266
Layout	36LYK605
Eff. date	02-14-2024
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	12-04-2014

Heater Indicator	No Heater
High Voltage Full Load Amps	4.2 a
Insulation Class	F
Inverter Code	Inverter Ready
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	NEMA
Motor Type	3632M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	18.05 IN
Power Factor	75
Product Family	Wash Down
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft 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**

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**Nameplate**

<b>NP1669L</b>									
<b>CAT.NO.</b>	JMEWDM3611T								
<b>SPEC.</b>	36K605S266G1								
<b>HP</b>	3								
<b>VOLTS</b>	230/460								
<b>AMP</b>	8.4/4.2								
<b>RPM</b>	1760								
<b>FRAME</b>	182JM		<b>HZ</b>	60		<b>PH</b>	3		
<b>SER.F.</b>	1.15	<b>CODE</b>	K	<b>DES</b>	B	<b>CLASS</b>	F		
<b>NEMA-NOM-EFF</b>	89.5	<b>PF</b>	75						
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>	010A								
<b>DE</b>	6207		<b>ODE</b>	6205					
<b>ENCL</b>	TEFC	<b>SN</b>							
<b>BLANK</b>	20:1CT, 20:1VT, 1.00SF								

## Parts list

Part number	Description	Quantity
SA290727	SA 36K605S266G1	1.000 ea
RA276883	RA 36K605S266G1	1.000 ea
36FN3000C01SP	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 ea
36CB3005A03W	36 CB .75 NPT @ 6 W/WHITE EPOXY	1.000 ea
35GS1022A03	GASKET BOX .125 THK WHITE NEOPRENE	1.000 ea
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 ea
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
36EP3104A03MW	FREP MACH (RAISED FH PADS) WHITE EPOXY	1.000 ea
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 ea
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 ea
36EP1302A23MW	FACE MT EP FOR HOSE DOWN MTR W/WHITE EPO	1.000 ea
HW4600B51	SEAL 1.375 X 2.125 X 0.313 SINGLE LIP DB	1.000 ea
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 ea
10XN2520S26	1/4-20X 1 5/8 HEX HD SS	4.000 ea
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 ea
36FH4010A08	IEC FH NO GREASER - W/PRIMER	1.000 ea
11XW1032S06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	3.000 ea
HW4600B32SP	V-RING SLINGER 1.000 X 1.540 X .24 VITON	1.000 ea
HW4600B31SP	V-RING SLINGER 1.438 X 1.758 X .24 VITON	1.000 ea
36CB4518	36 LIPPED CB LID PRIMED	1.000 ea
37GS3010SP	1/16"WHITE LID GASKET	1.000 ea
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 ea
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 ea
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 ea
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 qt
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
LB1164	LABEL,WARNING AND DRAIN	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1025Z02	ACTIVATOR WILKOFAS 060.02HF	0.010 ga
MG1025W01	WILKOFAS 781.01, SIGNAL WHITE #9003	0.022 ga

HA3101S25	THRUBOLT 1/4-20 X 11.00	4.000 ea
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 ea
NP1669L	SS WD SUPER-E UL PREM REV MTG	1.000 ea
36PA1001	PKG GRP, PRINT PK1017A06	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2100bx)4/22	1.000 ea
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea

**AC Induction Motor Performance Data**

Record # 53364

Typical performance - not guaranteed values

Winding: 36WGS266-R006		Type: 3632M	Enclosure: TEFC	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: High Voltage Connection</b>	
Rated Output (HP)		3	Full Load Torque	8.8 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. @ 25°C	3.81 Ω
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load	44°C
S.F. Amps			Temp. Rise @ S.F. Load	52°C
			Locked-rotor Power Factor	42.2
			Rotor inertia	0.298 LB-FT <sup>2</sup>

**Load Characteristics 460 V, 60 Hz, 3 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	55	68	75	80	82	77
Efficiency	81.1	87.8	89.6	89.8	89.7	88.2	89.2
Speed	1791	1783	1773	1764	1753	1741	1754
Line amperes	2.47	2.85	3.43	4.09	4.89	5.78	4.63



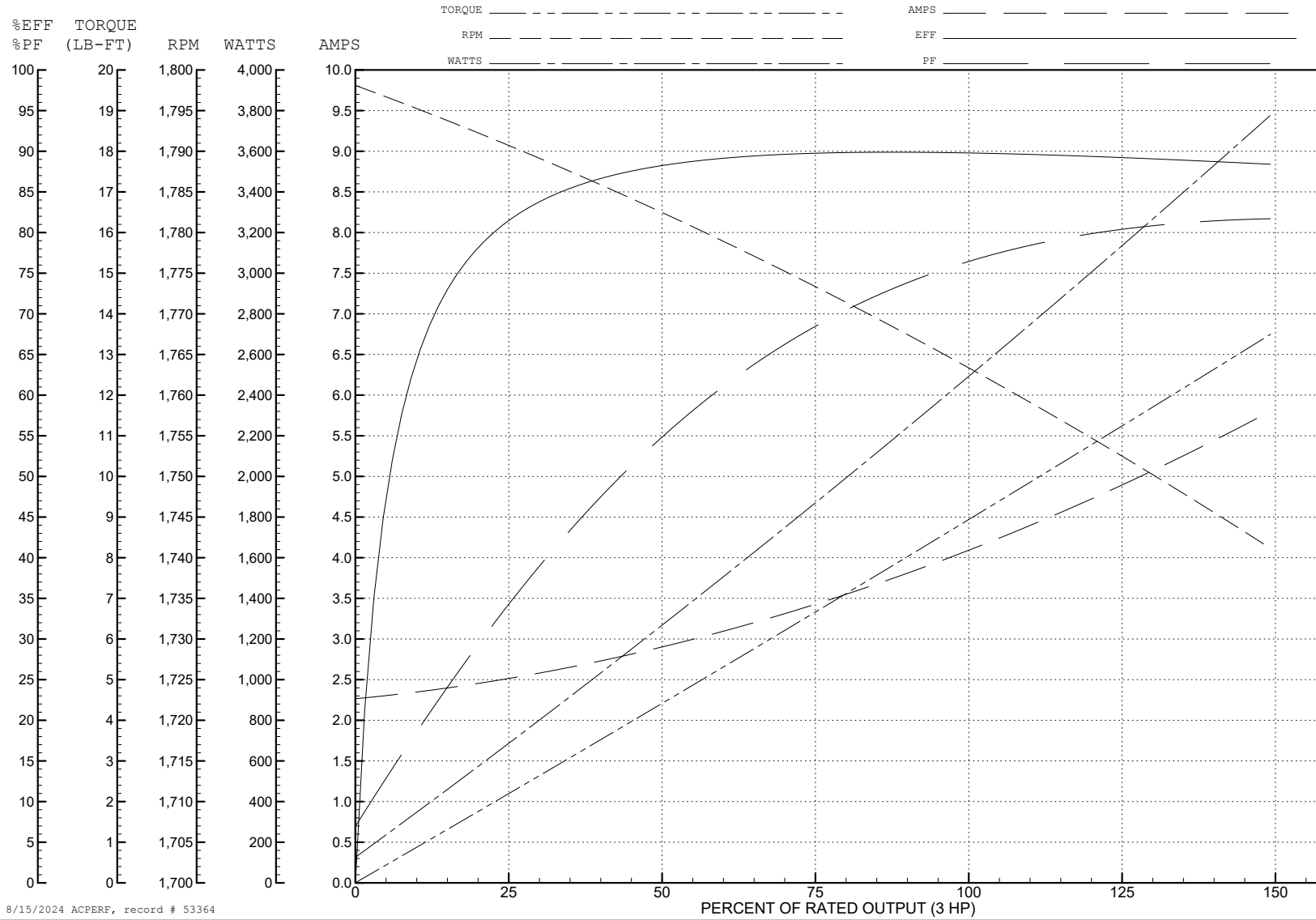
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WINDING # 36WGS266

3 HP 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



8/15/2024 ACPERF, record # 53364

**AC Induction Motor Performance Data**

Record # 57957

Typical performance - not guaranteed values

Winding: 36WGS266-R006		Type: 3632M	Enclosure: TEFC	
<b>Nameplate Data</b>			<b>230 V, 60 Hz: Low Voltage Connection</b>	
Rated Output (HP)	3	Full Load Torque	8.8 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	Locked-rotor Torque	21.7 LB-FT	
NEMA Design Code	B KVA Code	Starting Current	65.4 A	
Service Factor (S.F.)	1.15	No-load Current	4.6 A	
NEMA Nom. Eff.	89.5 Power Factor	Line-line Res. @ 25°C	0.953 Ω	
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	44°C	
S.F. Amps		Temp. Rise @ S.F. Load	52°C	
		Locked-rotor Power Factor	42.2	
		Rotor inertia	0.298 LB-FT <sup>2</sup>	

**Load Characteristics 230 V, 60 Hz, 3 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	55	68	75	80	82	78
Efficiency	81.1	87.8	89.6	89.8	89.7	88.2	89.7
Speed	1791	1783	1773	1764	1753	1741	1757
Line amperes	4.94	5.7	6.86	8.18	9.78	11.6	9.14

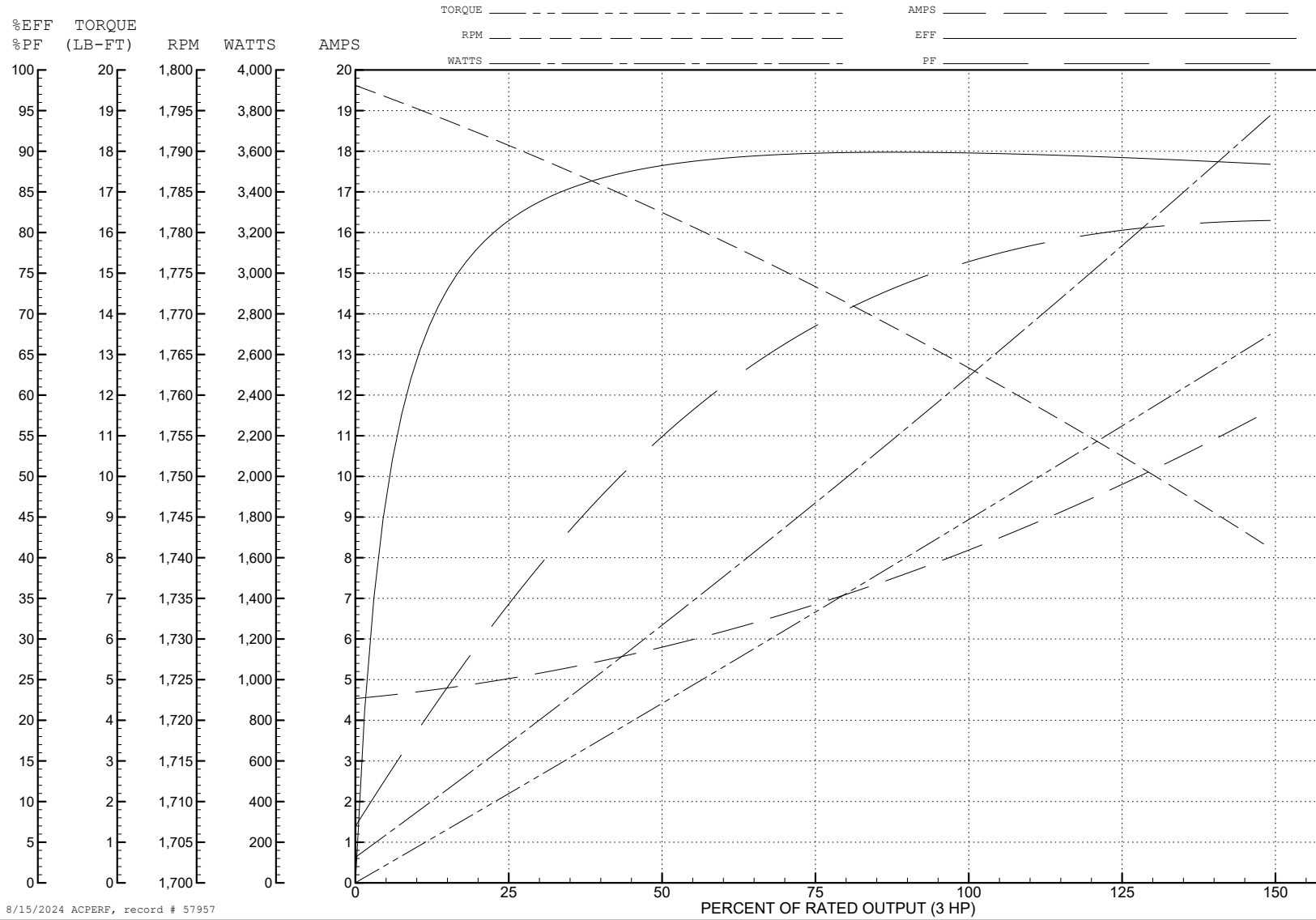
ABB Motors and Mechanical Inc.

WINDING # 36WGS266

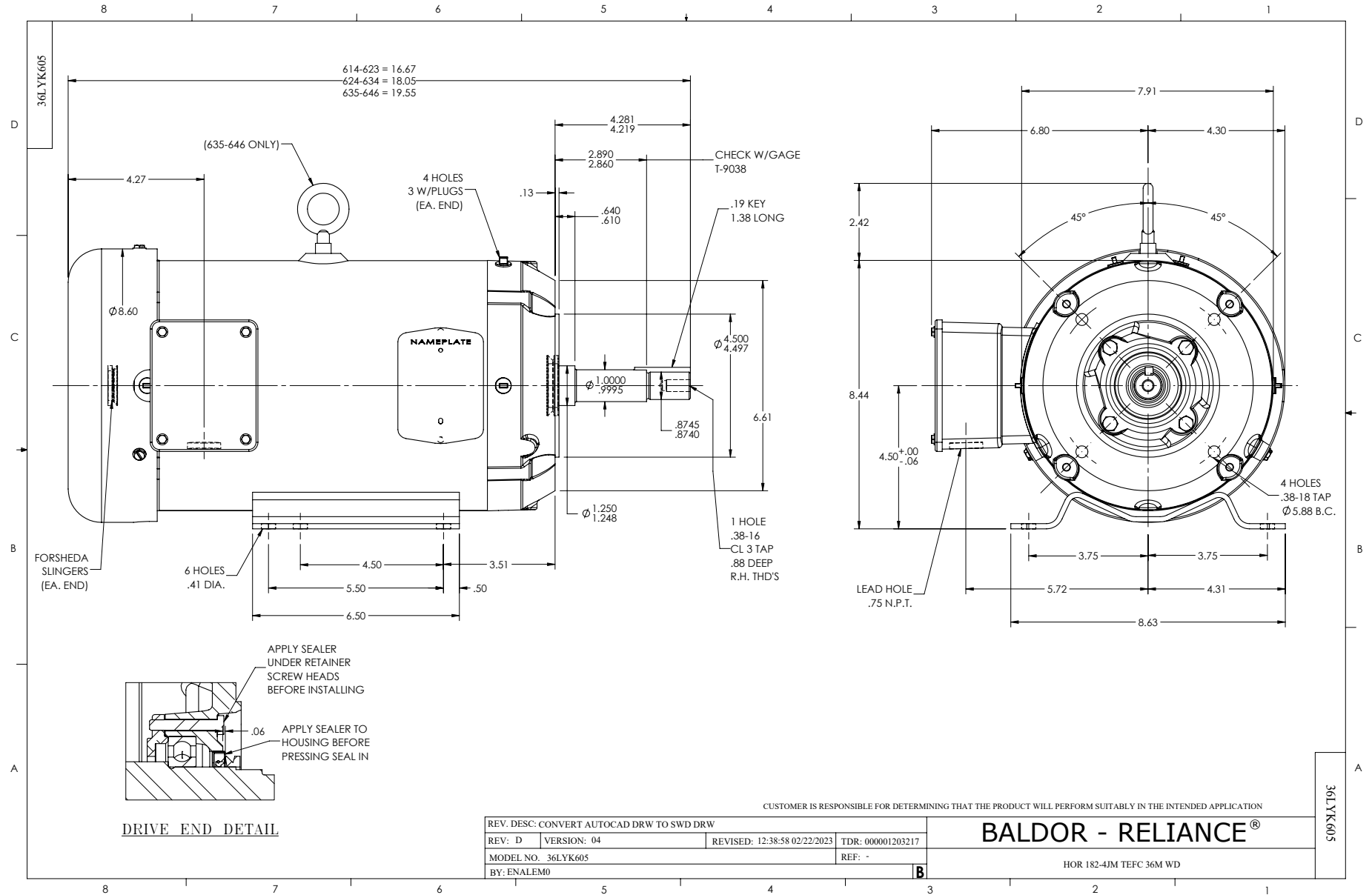
3 HP 3 PH 60 HZ 1760 RPM 230 V 3632M

Typical performance - not guaranteed values.

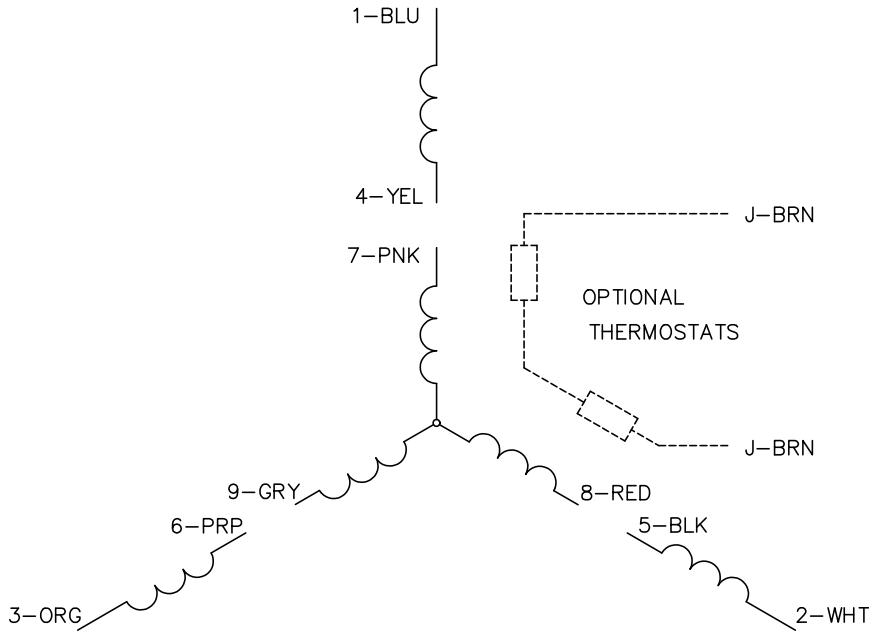
TORQUES (LB-FT): PO=37.6 PU=15.2 LR=21.7 LRA=65.4



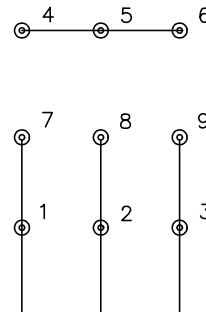
8/15/2024 ACPERF, record # 57957



CD0005

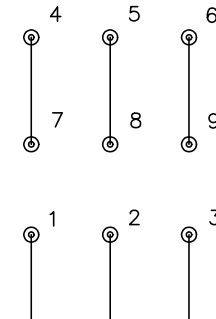


LOW VOLTAGE  
(2Y)



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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E

BY: JLP

REVISED: 01/19/99 10:15

TDR: 0171435

500000

FILE: AAA00005140

MDL: -

MTL: -

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS