ABB BALDOR RELIANCE

Customer information packet

JMEWDM3613T-5

5HP, 3450RPM, 3PH, 60HZ, 184JM, 3630M, TEFC, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	184JM
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	5.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CSA EEV CSA UR
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	4.700 A @ 575.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	88.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	4.7 a
Insulation Class	F

Part Detail

Revision	F
Type	AC
Mech. spec.	36K605
Base	
Status	PRD/A
Elec. spec.	36WGS505
Layout	36LYK605
Eff. date	10-30-2026
CD Diagram	CD0006
Poles	02
Leads	3#16
Proprietary	False
Created date	12-27-2016

Inverter Code	Inverter Ready
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3630M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	18.05 IN
Power Factor	91
Product Family	Wash Down
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
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	3450 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

	NP1669L							
CAT.NO.	JMEWDM3613T-5							
SPEC.	36K605S505G1							
HP	5							
VOLTS	575							
AMP	4.7							
RPM	3450							
FRAME	184JM	**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	L	**DES**	A	**CLASS**	F	
NEMA-NOM-EFF	88.5	**PF**	91					
RATING	40C AMB-CONT							
CC	010A							
DE	6207	**ODE**	6205					
ENCL	TEFC	**SN**						
BLANK								

AC Induction Motor Performance Data
Record # 31109
Typical performance - not guaranteed values

Winding: 36WGS505-R001	**Type:** 3630M	**Enclosure:** TEFC

Nameplate Data				**575 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			5	**Full Load Torque**	7.64 LB-FT
Volts			575	**Start Configuration**	direct on line
Full Load Amps			4.7	**Breakdown Torque**	33.7 LB-FT
R.P.M.			3450	**Pull-up Torque**	23.5 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	27.5 LB-FT
NEMA Design Code	A	**KVA Code**	L	**Starting Current**	45.7 A
Service Factor (S.F.)			1.15	**No-load Current**	1.34 A
NEMA Nom. Eff.	88.5	**Power Factor**	91	**Line-line Res. @ 25ºC**	3.57 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	72°C
S.F. Amps				**Temp. Rise @ S.F. Load**	88°C
				Locked-rotor Power Factor	45
				Rotor inertia	0.134 LB-FT2

Load Characteristics 575 V, 60 Hz, 5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	63	81	88	91	93	93	92
Efficiency	83.2	88.4	89.1	88.5	87	85.7	87.5
Speed	3569	3537	3504	3466	3428	3385	3443
Line amperes	1.79	2.61	3.58	4.68	5.81	7.05	5.36

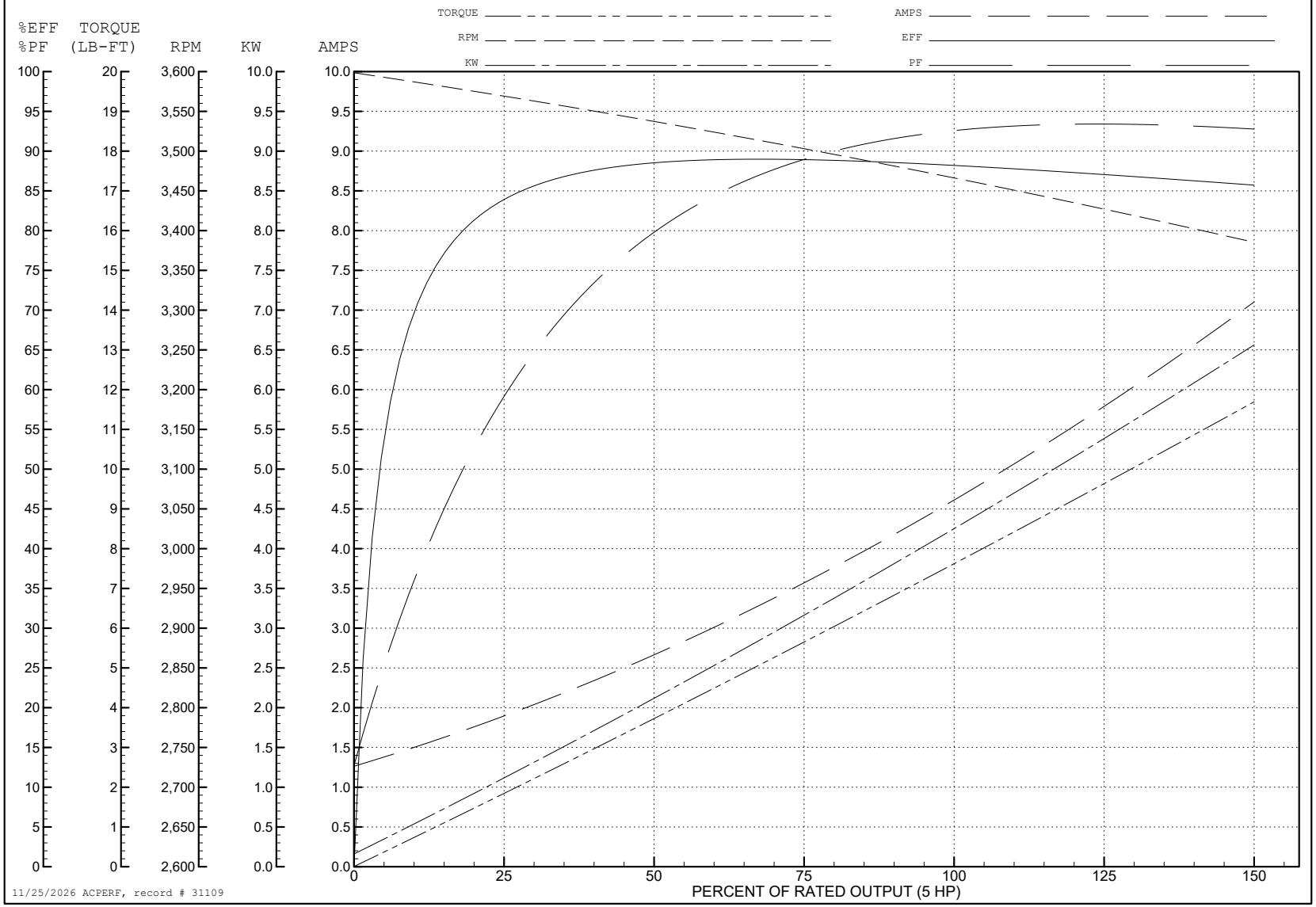
ABB Motors and Mechanical Inc.

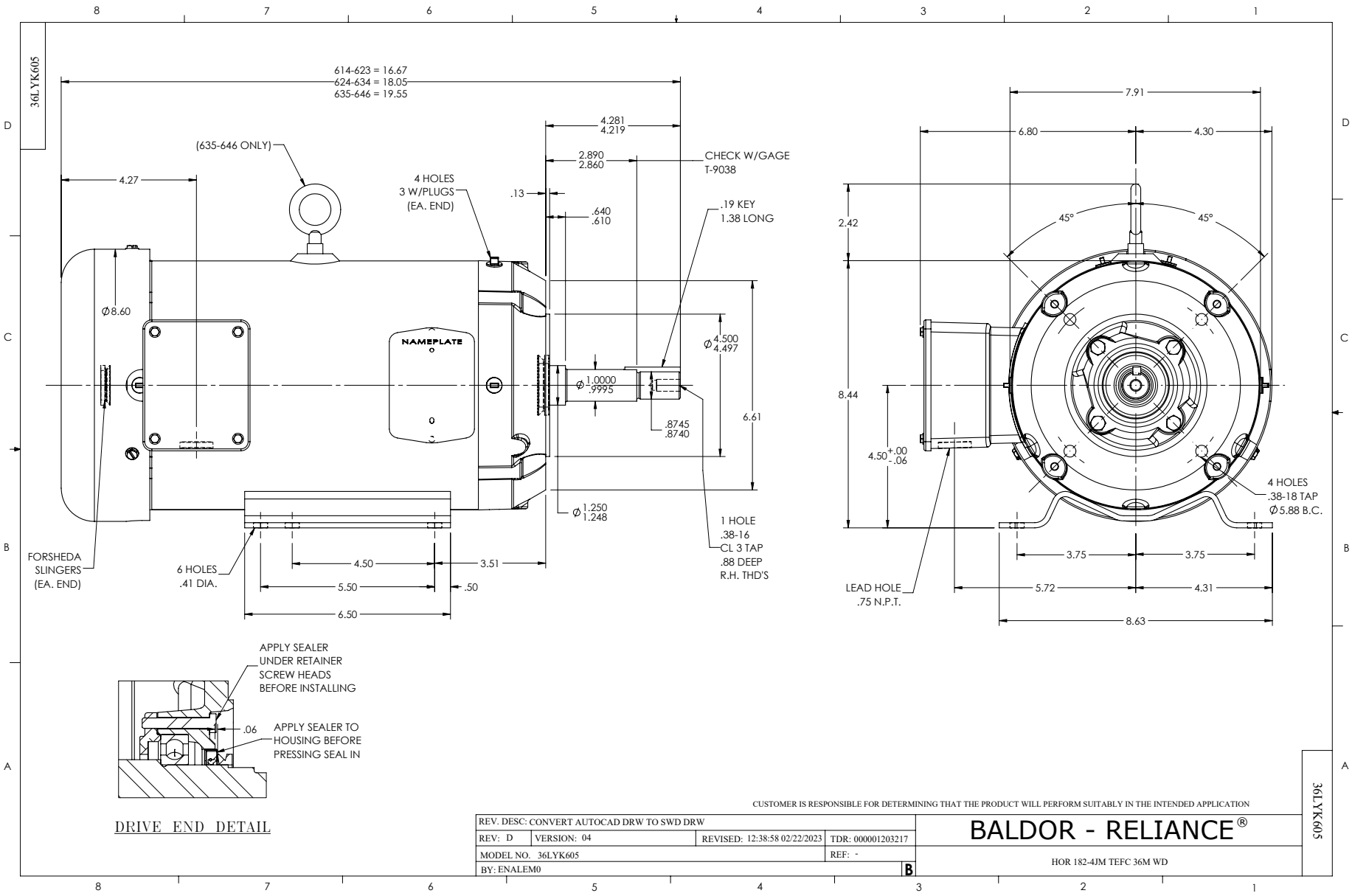
WINDING # 36WGS505

5 HP 3 PH 60 HZ 3450 RPM 575 V 3630M

Typical performance - not guaranteed values.

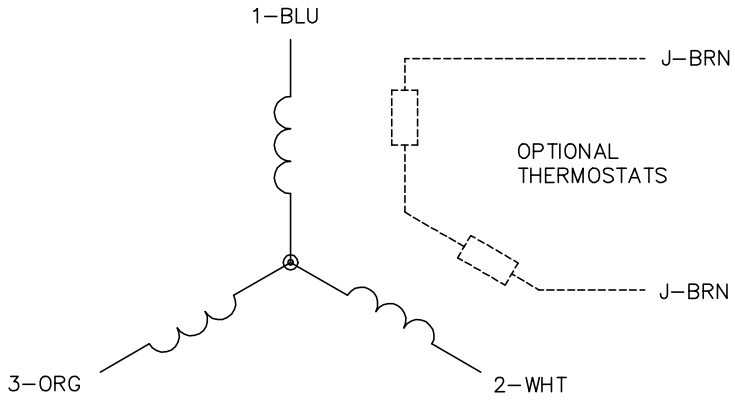
TORQUES(LB-FT): PO=33.7 PU=23.5 LR=27.5 LRA=45.7

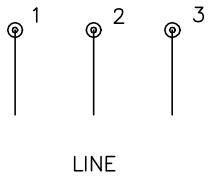



36LYK605
614-623 = 16.67
624-634 = 18.05
635-646 = 19.55
(635-646 ONLY)
4.27
4.281
4.219
2.890
2.860
CHECK W/GAGE
T-9038
4 HOLES
3 W/PLUGS
(EA. END)
.13
.640
.610
.19 KEY
1.38 LONG
Ø8.60
NAMEPLATE
Ø4.500
4.497
Ø1.0000
.9995
.8745
.8740
6.61
Ø1.250
1.248
1 HOLE
.38-16
CL 3 TAP
.88 DEEP
R.H. THD'S
FORSHEDA
SLINGERS
(EA. END)
6 HOLES
.41 DIA.
4.50
3.51
5.50
.50
6.50
7.91
6.80
4.30
2.42
45°
45°
8.44
4.50 +.00 -.06
4 HOLES
.38-18 TAP
Ø5.88 B.C.
3.75
3.75
LEAD HOLE
.75 N.P.T.
5.72
4.31
8.63
APPLY SEALER
UNDER RETAINER
SCREW HEADS
BEFORE INSTALLING
.06
APPLY SEALER TO
HOUSING BEFORE
PRESSING SEAL 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: D
VERSION: 04
REVISED: 12:38:58 02/22/2023
TDR: 000001203217
MODEL NO. 36LYK605
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HOR 182-4JM TEFC 36M WD
36LYK605

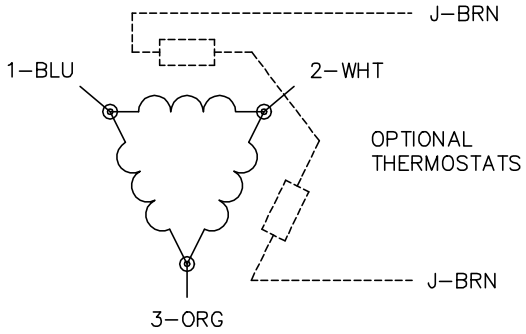
CD0006

TYPICAL WYE–CONNECTED MOTOR





TYPICAL DELTA–CONNECTED MOTOR



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

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BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

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