ABB BALDOR RELIANCE

Customer information packet

M1207T

3/.75HP, 1725/850RPM, 3PH, 60HZ, 184T, 3623M
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPEN
Frame	184T
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
	.750 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	UR
	CSA
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
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
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	1.5 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	AC
Type	AC
Mech. spec.	36B001
Base	
Status	PRD/A
Elec. spec.	36WGX025
Layout	36LYB001
Eff. date	10-30-2025
CD Diagram	CD0032
Poles	04/08
Leads	6#16
Proprietary	False
Created date	01-01-0001

KVA Code	F
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3623M
Mounting Arrangement	F1
Number of Poles	4
	8
Overall Length	13.62 IN
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
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	1725 rpm
	850 rpm
Speed Code	2S-1W-VT
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

NP1256L											
CAT.NO.	M1207T										
SPEC.	36B01X25										
HP	3/.75										
VOLTS	460										
AMP	4/1.5										
RPM	1725/850										
FRAME	184T		**HZ**	60			**PH**	3			
SER.F.	1.15	**CODE**	F	**DES**	B	**CLASS**		F			
NEMA-NOM-EFF		**PF**									
RATING	40C AMB-CONT										
CC											
DE	6206		**ODE**	6205							
ENCL	OPEN	**SN**									

Accessories

Part number	Description	Multiplier
36-3403	C FACE KIT	A8
36EP1405A09SP	D-FLANGE KIT	

AC Induction Motor Performance Data
Record # 61317
Typical performance - not guaranteed values

Winding: 36WGX025-R003	**Type:** 3623M	**Enclosure:** OPEN

Nameplate Data			
Rated Output (HP)			3/.75
Volts			460
Full Load Amps			4/1.5
R.P.M.			1725/850
Hz	60	**Phase**	3
NEMA Design Code	B	**KVA Code**	F
Service Factor (S.F.)			1.15
NEMA Nom. Eff.	0	**Power Factor**	0
Rating - Duty			40C AMB-CONT
S.F. Amps			

460 V, 60 Hz: High Speed Connection	
Full Load Torque	9 LB-FT
Start Configuration	direct on line
Breakdown Torque	23 LB-FT
Pull-up Torque	18 LB-FT
Locked-rotor Torque	19 LB-FT
Starting Current	20.5 A
No-load Current	1.4 A
Line-line Res. @ 25ºC	8.46 Ω
Temp. Rise @ Rated Load	56°C
Temp. Rise @ S.F. Load	71°C
Locked-rotor Power Factor	67.1
Rotor inertia	0.216 LB-FT2

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	51	73	81	85	87	87	86
Efficiency	79	83	82	79	75	71	76.6
Speed	1769	1740	1705	1670	1619	1568	1639
Line amperes	1.75	2.3	3.1	4	5	6.1	4.6

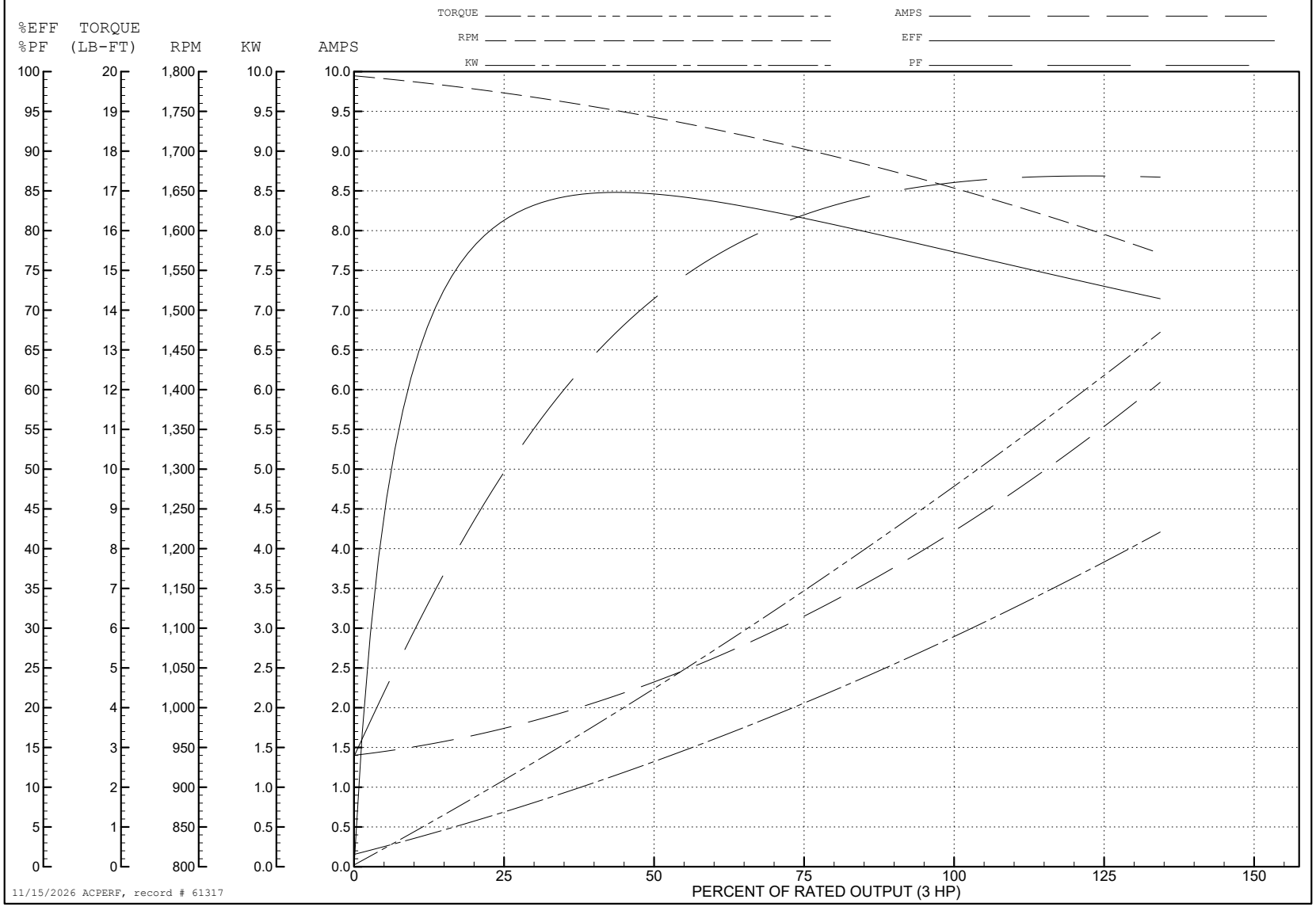
ABB Motors and Mechanical Inc.

WINDING # 36WGX025

3 HP 3 PH 60 HZ 1670 RPM 460 V 3623M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=23 PU=18 LR=19 LRA=20.5



AC Induction Motor Performance Data
Record # 61318
Typical performance - not guaranteed values

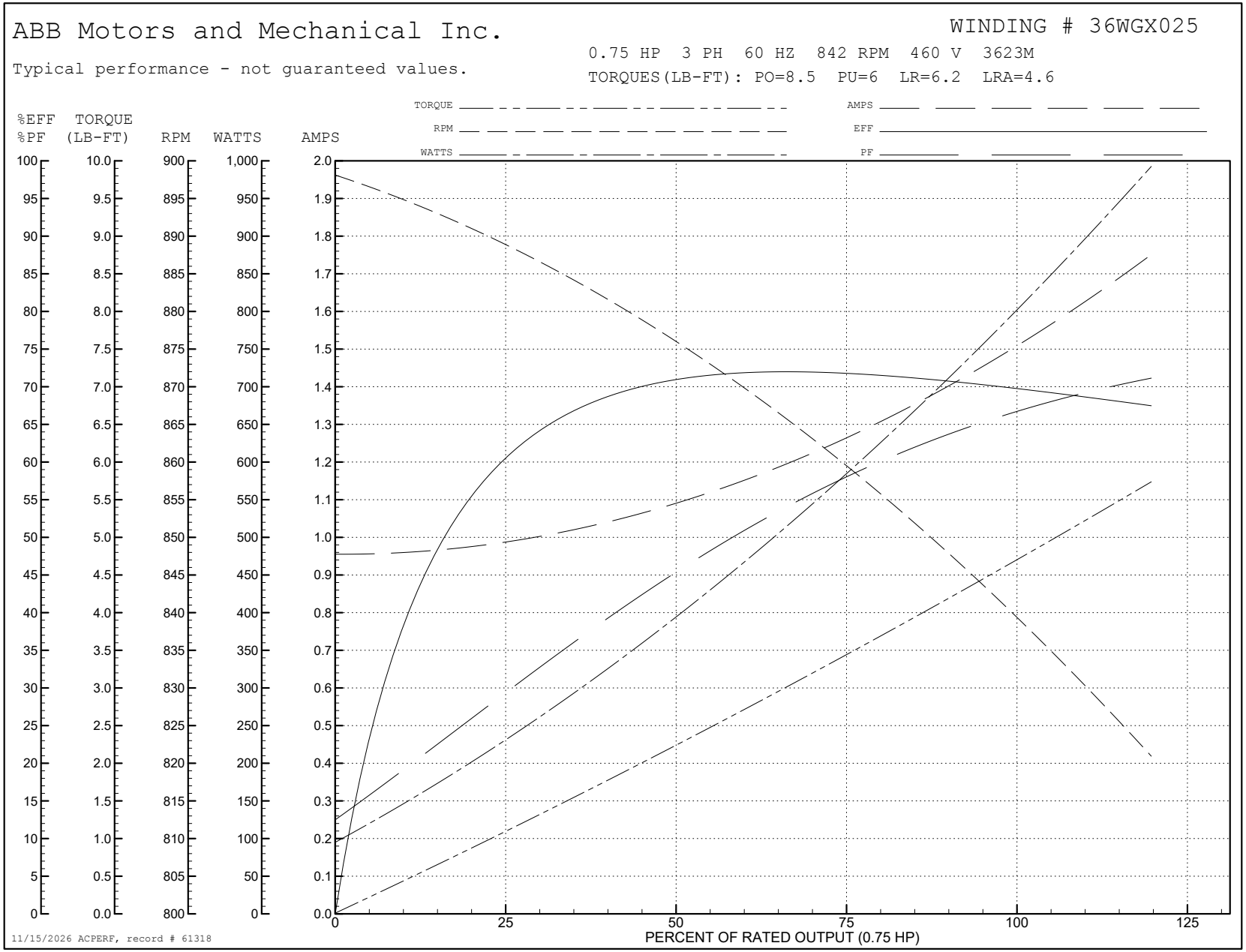
Winding: 36WGX025-R003	**Type:** 3623M	**Enclosure:** OPEN

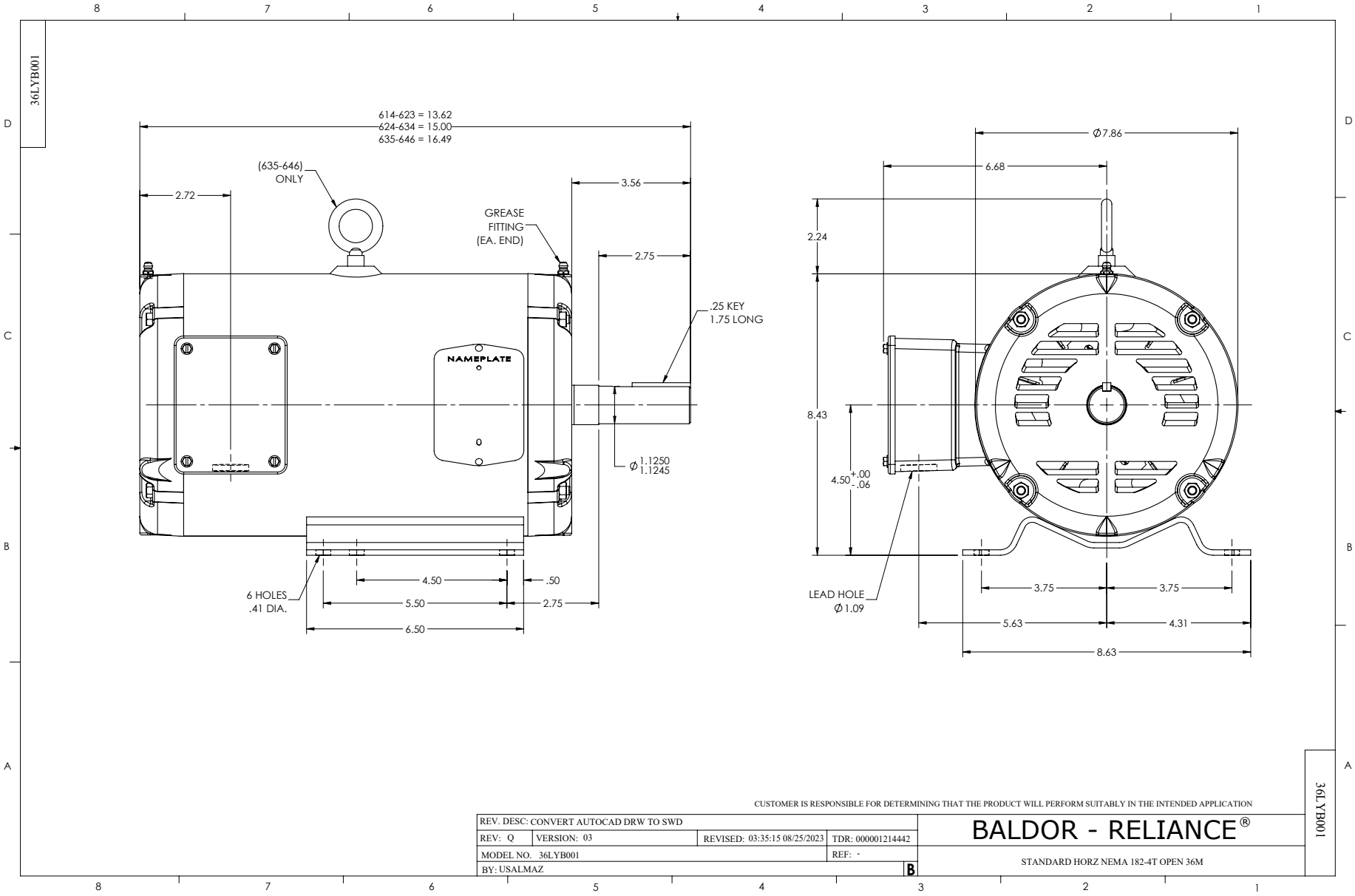
Nameplate Data			
Rated Output (HP)			3/.75
Volts			460
Full Load Amps			4/1.5
R.P.M.			1725/850
Hz	60	**Phase**	3
NEMA Design Code	B	**KVA Code**	F
Service Factor (S.F.)			1.15
NEMA Nom. Eff.	0	**Power Factor**	0
Rating - Duty			40C AMB-CONT
S.F. Amps			

460 V, 60 Hz: Low Speed Connection	
Full Load Torque	4.6 LB-FT
Start Configuration	direct on line
Breakdown Torque	8.5 LB-FT
Pull-up Torque	6 LB-FT
Locked-rotor Torque	6.2 LB-FT
Starting Current	4.6 A
No-load Current	0.95 A
Line-line Res. @ 25ºC	33.8 Ω
Temp. Rise @ Rated Load	37°C
Temp. Rise @ S.F. Load	45°C
Locked-rotor Power Factor	57.1
Rotor inertia	0.216 LB-FT2

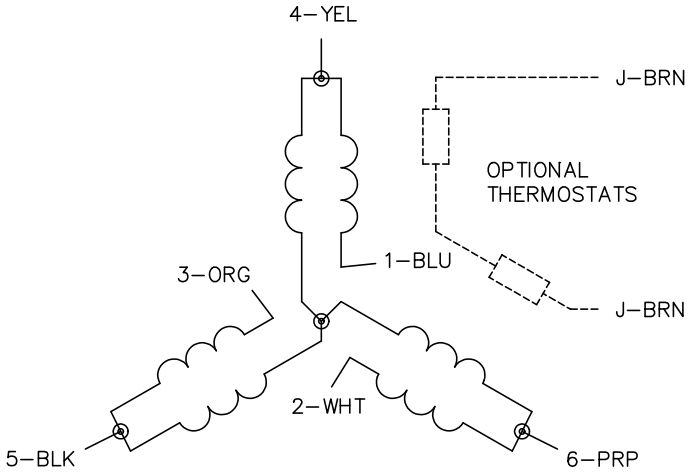
Load Characteristics 460 V, 60 Hz, 0.75 HP

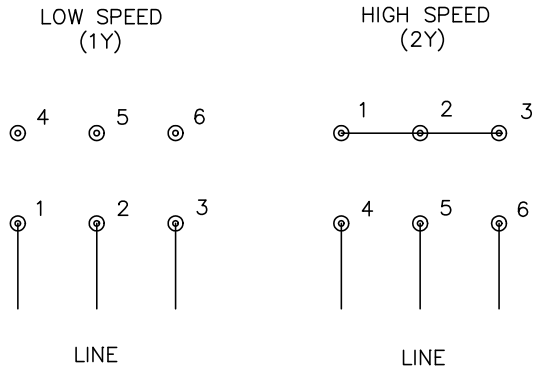
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**S.F.**
Power Factor	30	47	59	65	72	69
Efficiency	60.1	70.1	72	71	67	68.6
Speed	887	875	860	842	820	829
Line amperes	1	1.1	1.25	1.5	1.75	1.65


ABB Motors and Mechanical Inc.
WINDING # 36WGX025
0.75 HP 3 PH 60 HZ 842 RPM 460 V 3623M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=8.5 PU=6 LR=6.2 LRA=4.6
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (0.75 HP)
11/15/2026 ACPERF, record # 61318


36LYB001
614-623 = 13.62
624-634 = 15.00
635-646 = 16.49
(635-646) ONLY
2.72
3.56
GREASE FITTING (EA. END)
2.75
.25 KEY
1.75 LONG
NAMEPLATE
Ø 1.1250
1.1245
6 HOLES
.41 DIA.
4.50
.50
5.50
2.75
6.50
Ø7.86
6.68
2.24
8.43
4.50 +.00 -.06
LEAD HOLE
Ø 1.09
3.75
3.75
5.63
4.31
8.63
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD DRW TO SWD
REV: Q
VERSION: 03
REVISED: 03:35:15 08/25/2023
TDR: 000001214442
MODEL NO. 36LYB001
REF: -
BY: USALMAZ
B
BALDOR - RELIANCE®
STANDARD HORZ NEMA 182-4T OPEN 36M
36LYB001

CD0032





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.

CD0032

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/22/99 8:27	TDR: 0171435
CD0032		FILE: AAA00005145	MDL: –
		MTL: –	3PH, SV, 6 LEADS, 2–SPEED 1–WINDING VARIABLE TORQUE