ABB BALDOR RELIANCE

Customer information packet

M1558T

5/1.3HP, 1725/850RPM, 3PH, 60HZ, 184T, 3640M
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
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	5.000 HP @ 60 HZ
	1.300 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	900 RPM @ 60 HZ
Voltage @ Frequency	208.0 V @ 60 HZ
	230.0 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	13.500 A @ 208.0 V
	5.200 A @ 230.0 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	5.2 a

Part Detail

Revision	AE
Type	AC
Mech. spec.	36A001
Base	
Status	PRD/A
Elec. spec.	36WGX366
Layout	36LYA001
Eff. date	05-20-2025
CD Diagram	CD0032
Poles	04/08
Leads	6#14
Proprietary	False
Created date	01-01-0001

Insulation Class	H
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3640M
Mounting Arrangement	F1
Number of Poles	4
	8
Overall Length	18.04 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.	M1558T										
SPEC.	36A01X366										
HP	5/1.3										
VOLTS	208-230										
AMP	13.5/5.2										
RPM	1725/850										
FRAME	184T		**HZ**	60			**PH**	3			
SER.F.	1.15	**CODE**	K	**DES**	B	**CLASS**		H			
NEMA-NOM-EFF		**PF**									
RATING	40C AMB-CONT										
CC											
DE	6206		**ODE**	6205							
ENCL	TEFC	**SN**									

Parts List

Part number	Description	Quantity
SA033916	SA 36A01X366	1.000 ea
RA029944	RA 36A01X366	1.000 ea
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 ea
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 ea
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 ea
36EP3104A01	FREP MACH W/GRSR, RAISED FH PADS	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 ea
36EP3100A01SP	PUEP ASSEMBLY FOR ROUTING PURPOSES	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 ea
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 ea
36FH4009A102	IEC FH GREASER PRIMED	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 ea
36CB4516	750LIPPED CB LID - GALVANNEAL	1.000 ea
37GS1001SP	GASKET, CONDUIT BOX LID, .06 THICK LEXID	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 ea
HW2501E16	KEY, 1/4 SQ X 1.750	1.000 ea
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
HW3200A01	3/8-16X3/4 EYEBOLT WELDED F/S	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 ea
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.022 ga
HA3101A28	THRUBOLT 1/4-20 X 12.500 OHIO ROD	4.000 ea
LC0032	CONNECTION LABEL	1.000 ea
NP1256L	ALUM UL CC INDUSTRIAL MOTOR A60	1.000 ea
36PA1001	PKG GRP, PRINT PK1017A07	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea

LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea

Accessories

Part number	Description	Multiplier
36-3301	C FACE KIT	A8
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

AC Induction Motor Performance Data
Record # 36966
Typical performance - not guaranteed values

Winding: 36WGX366-R004	**Type:** 3640M	**Enclosure:** TEFC

Nameplate Data				**230 V, 60 Hz: High Speed Connection**	
Rated Output (HP)			5/1.3	**Full Load Torque**	15.1 LB-FT
Volts			208-230	**Start Configuration**	direct on line
Full Load Amps			13.5/5.2	**Breakdown Torque**	58 LB-FT
R.P.M.			1725/850	**Pull-up Torque**	34 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	34 LB-FT
NEMA Design Code	B	**KVA Code**	K	**Starting Current**	108 A
Service Factor (S.F.)			1.15	**No-load Current**	7.1 A
NEMA Nom. Eff.	0	**Power Factor**	0	**Line-line Res. @ 25ºC**	0.936 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	96°C
S.F. Amps				**Temp. Rise @ S.F. Load**	114°C

Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	42	63	75	81	85	85	83
Efficiency	74.1	83	85.3	86	85.1	83.7	85.5
Speed	1785	1771	1756	1741	1721	1701	1729
Line amperes	7.7	9.1	11.1	13.5	16.1	19.3	15.1

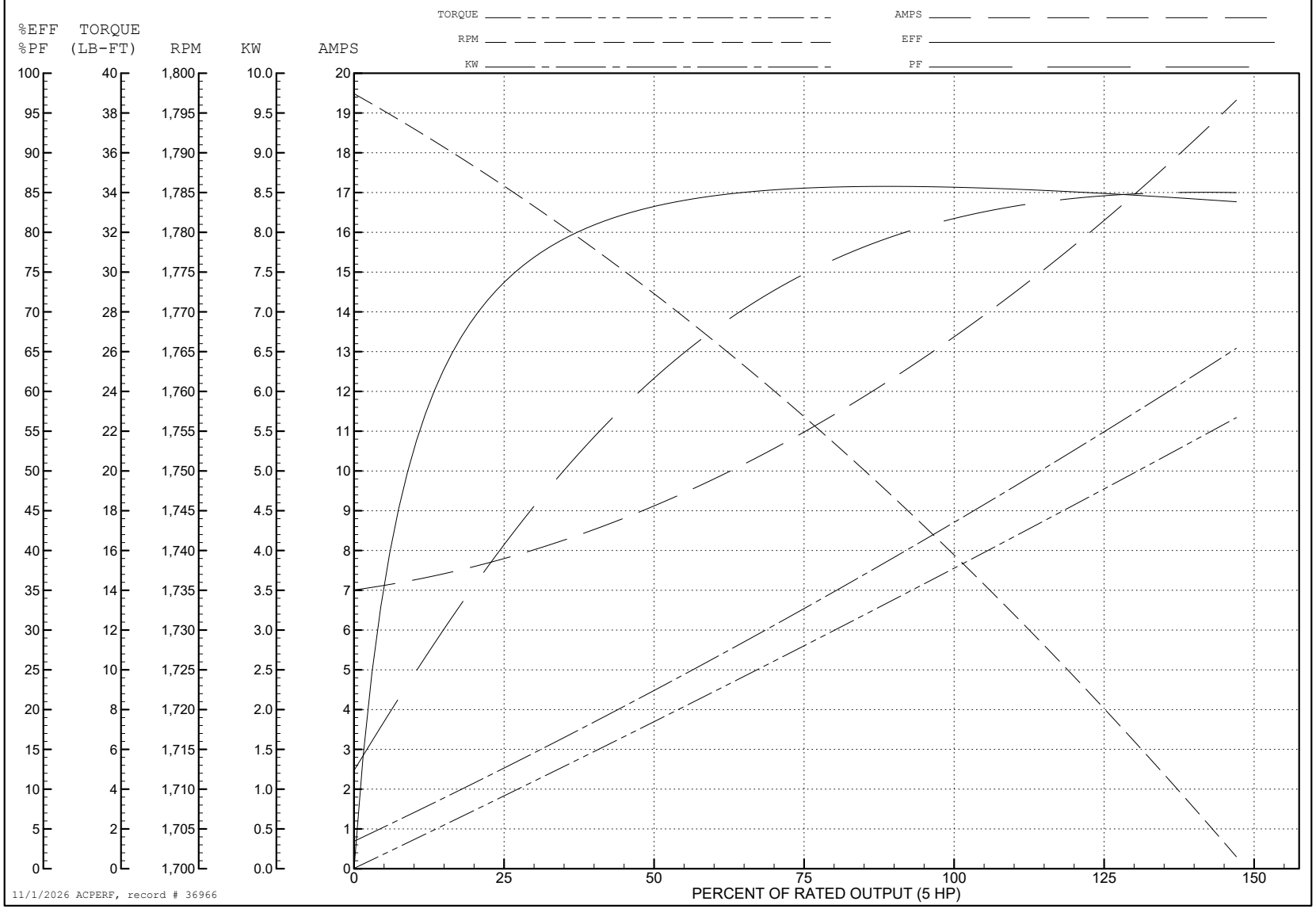
ABB Motors and Mechanical Inc.

WINDING # 36WGX366

5 HP 3 PH 60 HZ 1741 RPM 230 V 3640M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=58 PU=34 LR=34 LRA=108



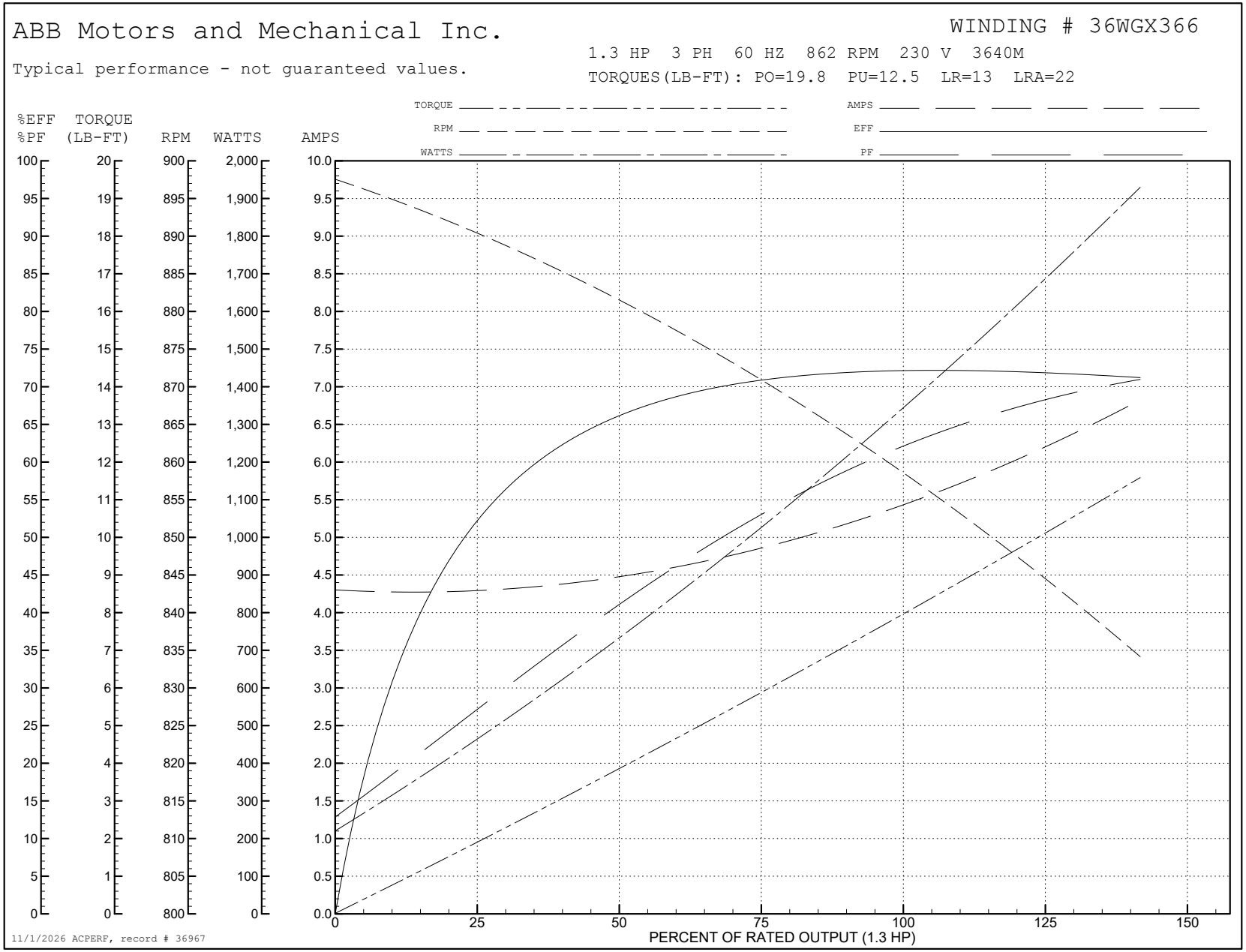
AC Induction Motor Performance Data
Record # 36967
Typical performance - not guaranteed values

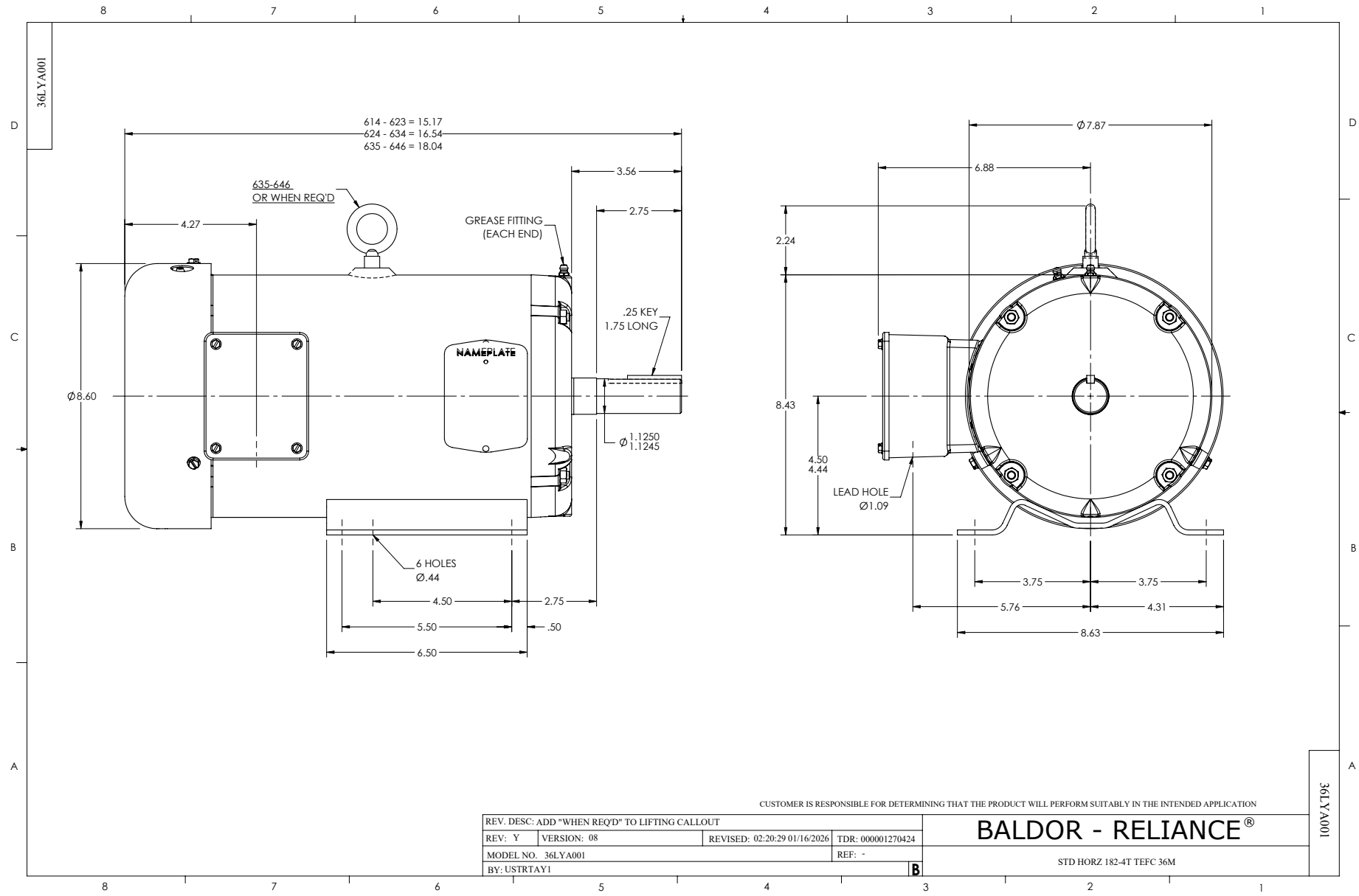
Winding: 36WGX366-R004	**Type:** 3640M	**Enclosure:** TEFC

Nameplate Data				**230 V, 60 Hz: Low Speed Connection**	
Rated Output (HP)			5/1.3	**Full Load Torque**	7.7 LB-FT
Volts			208-230	**Start Configuration**	direct on line
Full Load Amps			13.5/5.2	**Breakdown Torque**	19.8 LB-FT
R.P.M.			1725/850	**Pull-up Torque**	12.5 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	13 LB-FT
NEMA Design Code	B	**KVA Code**	K	**Starting Current**	22 A
Service Factor (S.F.)			1.15	**No-load Current**	4.2 A
NEMA Nom. Eff.	0	**Power Factor**	0	**Line-line Res. @ 25ºC**	3.75 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	64°C
S.F. Amps				**Temp. Rise @ S.F. Load**	74°C

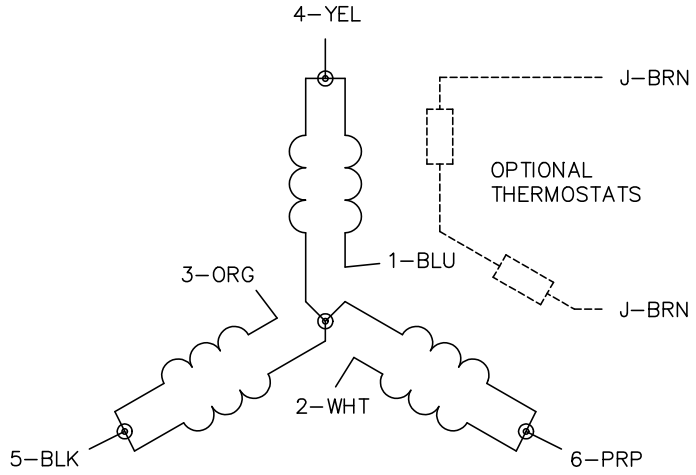
Load Characteristics 230 V, 60 Hz, 1.3 HP

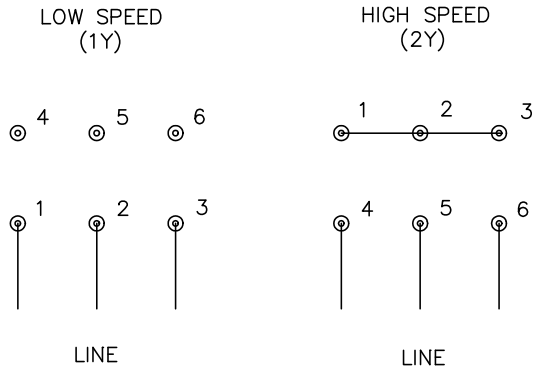
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	27	40	53	63	67	70	65
Efficiency	52.2	65.8	70.8	72.3	72.2	71.1	72.2
Speed	890	881	871	862	847	834	853
Line amperes	4.4	4.6	4.8	5.2	6	6.9	5.68


ABB Motors and Mechanical Inc.
WINDING # 36WGX366
Typical performance - not guaranteed values.
1.3 HP 3 PH 60 HZ 862 RPM 230 V 3640M
TORQUES(LB-FT): PO=19.8 PU=12.5 LR=13 LRA=22
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (1.3 HP)
11/1/2026 ACPERF, record # 36967


36LYA001
614 - 623 = 15.17
624 - 634 = 16.54
635 - 646 = 18.04
635-646
OR WHEN REQ'D
GREASE FITTING
(EACH END)
3.56
2.75
4.27
.25 KEY
1.75 LONG
NAMEPLATE
Ø8.60
Ø 1.1250
1.1245
6 HOLES
Ø.44
4.50
2.75
5.50
.50
6.50
Ø7.87
6.88
2.24
8.43
4.50
4.44
LEAD HOLE
Ø1.09
3.75
3.75
5.76
4.31
8.63
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADD "WHEN REQ'D" TO LIFTING CALLOUT
REV: Y
VERSION: 08
REVISED: 02:20:29 01/16/2026
TDR: 000001270424
MODEL NO. 36LYA001
REF: -
BY: USTRTAY1
B
BALDOR - RELIANCE®
STD HORZ 182-4T TEFC 36M
36LYA001

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.

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

CD0032