

ABB BALDOR RELIANCE III

Customer information packet

L1430TM

5HP, 1725RPM, 1PH, 60HZ, 184T, 3634LC, ODTF

Class - None

Division - Not Applicable

Specifications

Enclosure	ODTF
Frame	184T
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	5.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	C UR US
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	24.000 A @ 230.0 V 25.500 A @ 208.0 V
Design Code	L
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	80.0 %
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	24.0 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	X
Type	AC
Mech. spec.	36K761
Base	
Status	PRD/A
Elec. spec.	36WGX262
Layout	36LYK761
Eff. date	05-10-2024
CD Diagram	CD0002A02
Poles	04
Leads	2#10 A PH,3#16 B&J
Proprietary	False
Created date	01-01-0001

KVA Code	H
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	2 @ 10 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3634LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.55 IN
Power Factor	86
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
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Do Not Use
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	Manual Thermal Overload
Winding Thermal 1 Location	KO
Winding Thermal 2	None

Nameplate

NP1257L											
CAT.NO.	L1430TM										
SPEC.	36K761X262G1										
HP	5										
VOLTS	230										
AMP	24										
RPM	1725										
FRAME	184T			HZ	60			PH	1		
SER.F.	1.15		CODE	H		DES	L	CL	F		
NEMA-NOM-EFF	80		PF	86							
RATING	40C AMB-CONT										
CC											
DE	6206		ODE	6205							
ENCL	ODTF		SN								

Parts List

Part number	Description	Quantity
SA104932	SA 36K761X262G1	1.000 ea
RA096750	RA 36K761X262G1	1.000 ea
OC3040F18SP	7YL OIL CAP 40MFD/370V	1.000 ea
TPBRT25DB	THERMAL 1PH 1.25 MAN 120CWELDED	1.000 ea
EC1216C06SP	ELEC CAP, 216-259 MFD, 250V, 2.06D X 4.	2.000 ea
TP5059	GENERIC WELDED THERMAL, 7" LEAD KIT	1.000 ea
36CB1000A22	CONDUIT BOX, MACH	1.000 ea
37GS1000SP	GASKET, CONDUIT BOX STD., .06 THICK LEXI	1.000 ea
HA6015A08	THERMAL RETAINER (PLATED)	1.000 ea
51XB1214A10	12-14 X 5/8HX WS SL SR TYBX	2.000 ea
51XB1016A10	10-16X 5/8HXWSSLD 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
RM1014A01SP	BUTYL RUB.THRM COV. (MENA)	1.000 ea
36EP3204F00	MASTER ODE,205 BRG,.998SH,GRSR,DRIP CVR	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
13XF0832A08	8-32 X.50 PAN HD,SLTD, TYPE F SCREW, ZIN	2.000 ea
SP1008A01	BAFFLE, MODEL 36 & 37	1.000 ea
10XN2520A12	1/4-20 X 3/4 HEX HEAD CAP	2.000 ea
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 ea
36EP3205D00	MASTER DE,206 BRG,1.197SH,GRSR	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 ea
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 ea
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 ea
36FH4012A01	DRIP COVER NOTCH BOTTOM, W/ PRIMER	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
LB1087	LABEL,MANUAL RESET (ROLL LABEL)	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
36CB3800SP	CAPACITOR COVER, CAST	1.000 ea
HA7010A01	CAPACITOR RETENTION CLAMP, 6.562 LONG	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.022 ga
SP5172A05	37 TYPE LC TORQ STAT SW LEAD ASSEMBLY	1.000 ea
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	6.000 ea
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
LC0002	CONNECTION LABEL	1.000 ea
NP1257L	ALUM UL CC THERMAL REV MTG	1.000 ea
36PA1001	PKG GRP, PRINT PK1017A07	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
PE-0000001	ZRTG PE ASSEMBLY	1.000 ea
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea

Accessories

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

AC Induction Motor Performance Data

Record # 20866

Typical performance - not guaranteed values

Winding: 36WGX262-R003			Type: 3634LC		Enclosure: ODTF		
Nameplate Data				230 V, 60 Hz: Single Voltage Motor			
Rated Output (HP)		5		Full Load Torque		15.2 LB-FT	
Volts		230		Start Configuration		direct on line	
Full Load Amps		24		Breakdown Torque		35 LB-FT	
R.P.M.		1725		Pull-up Torque		29 LB-FT	
Hz	60	Phase	1	Locked-rotor Torque		36 LB-FT	
NEMA Design Code		L	KVA Code	H		Starting Current	137 A
Service Factor (S.F.)		1.15		No-load Current		8.2 A	
NEMA Nom. Eff.		80	Power Factor	86		Line-line Res. @ 25°C	0.494 Ω A Ph 1.73 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		84°C	
S.F. Amps				Temp. Rise @ S.F. Load		102°C	

Load Characteristics 230 V, 60 Hz, 5 HP

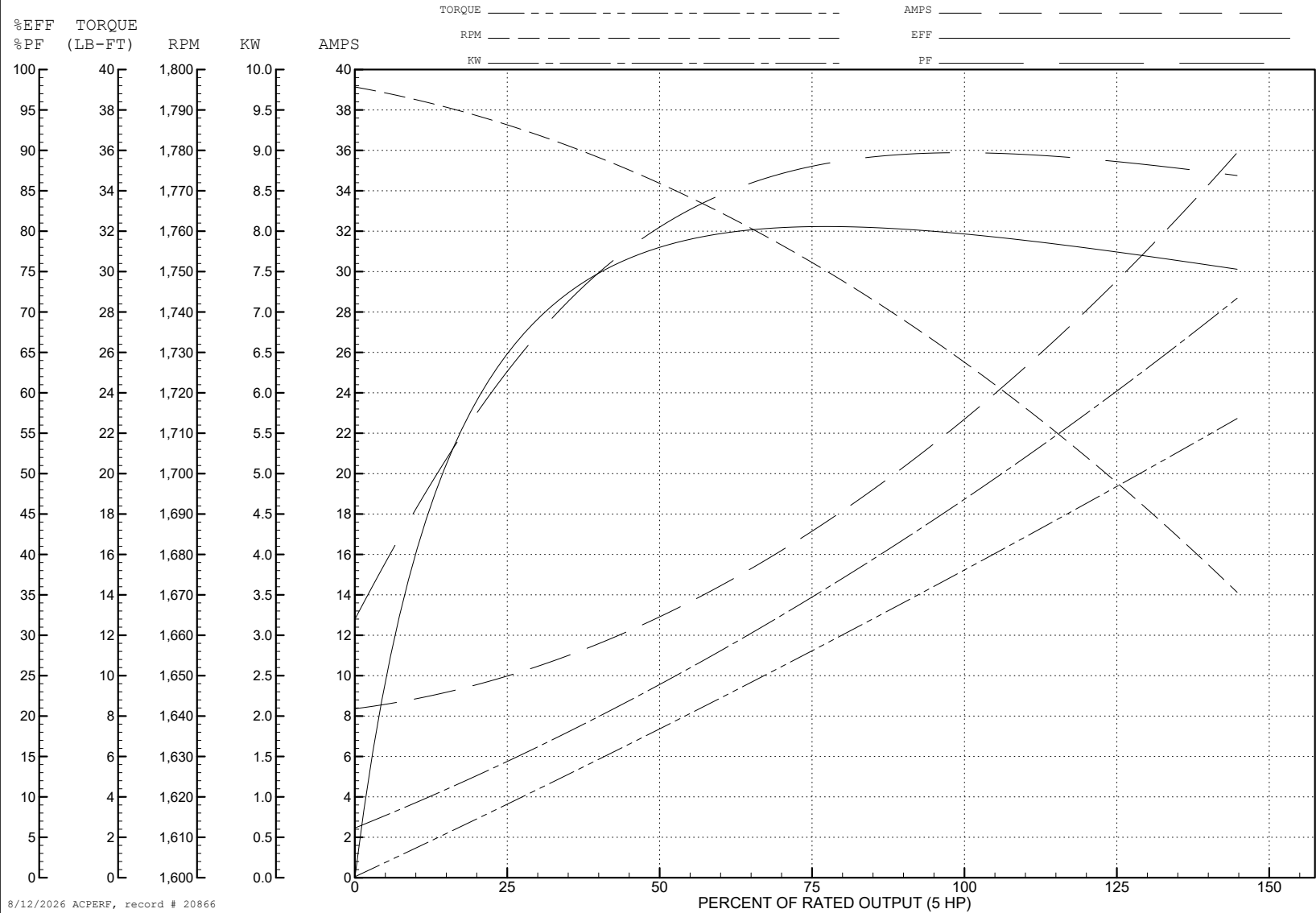
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	63	79	87	90	91	90	0
Efficiency	63.7	76.5	80.3	80.6	78.7	74.5	0
Speed	1784	1768	1751	1730	1704	1667	0
Line amperes	10.1	13.4	17.5	22.5	28.5	36.3	26.1

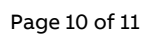
ABB Motors and Mechanical Inc.

WINDING # 36WGX262

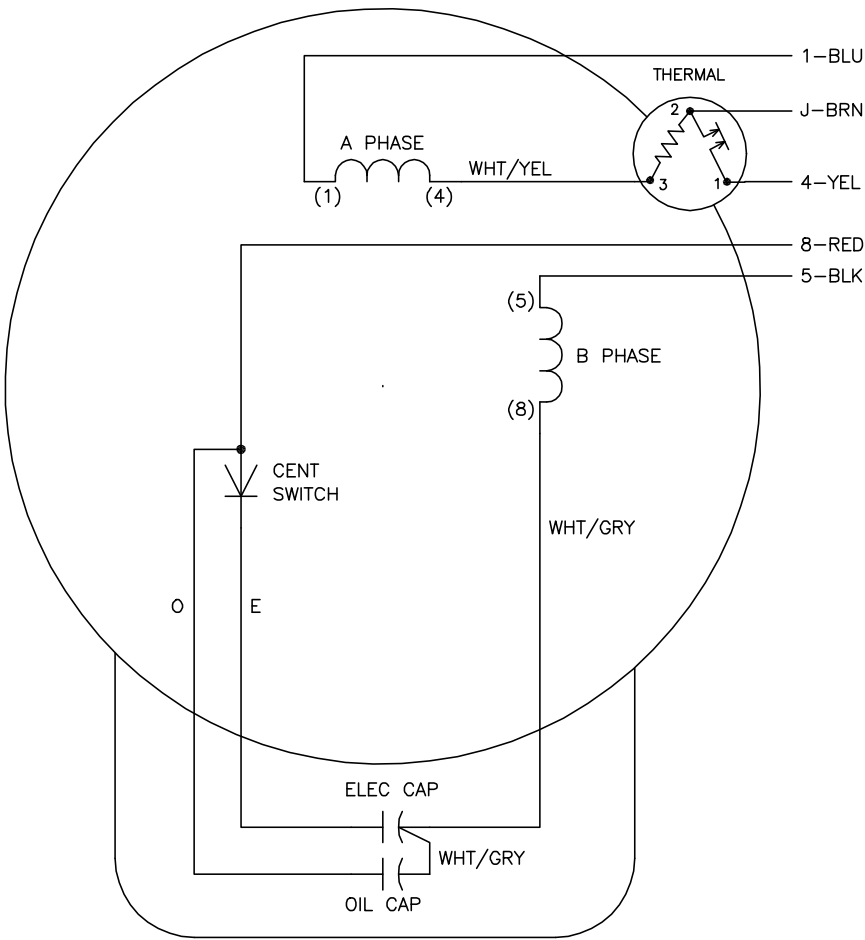
Typical performance - not guaranteed values.

5 HP 1 PH 60 HZ 1725 RPM 230 V 3634LC
TORQUES (LB-FT) : PO=35 PU=29 LR=36 LRA=137





CD0002A02



	LINE A	LINE B	JOIN
STD	1,8	4	J,5
OPP	1,5	4	J,8

- NOTES:
- 1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
 - 2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
 - 3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REMOVE 2-TERMINAL THERMAL DETAIL, SEE CD0002A04		
REV. LTR: D	VERSION: 01	TDR: 000000360649
CD0002A02	FILE: \AAA\00007\520	REVISED: 17:11:40 04/15/2005
	MTL: -	BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE LC, SV, REV, THERMAL, 5 LEADS

CD0002A02