ABB BALDOR RELIANCE

Customer information packet

M1726T

10/4.4HP, 1760/1170RPM, 3PH, 60HZ, 254T
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	254T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	4.400 HP @ 60 HZ
	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 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	12.500 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	6.7 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	AD
Type	AC
Mech. spec.	07H203
Base	
Status	PRD/A
Elec. spec.	07WGX115
Layout	07LYH203
Eff. date	05-06-2024
CD Diagram	CD0013
Poles	04/06
Leads	6#14
Proprietary	False
Created date	01-01-0001

KVA Code	H
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	0750M
Mounting Arrangement	F1
Number of Poles	4
	6
Overall Length	21.07 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	1.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1170 rpm
	1760 rpm
Speed Code	2S-2W-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.	M1726T										
SPEC.	07H203X115										
HP	10/4.4										
VOLTS	460										
AMP	12.5/6.7										
RPM	1760/1170										
FRAME	254T		**HZ**	60			**PH**	3			
SER.F.	1.15	**CODE**	H	**DES**	B	**CLASS**	F				
NEMA-NOM-EFF		**PF**									
RATING	40C AMB-CONT										
CC											
DE	6309		**ODE**	6307							
ENCL	TEFC	**SN**									

Parts List

Part number	Description	Quantity
SA064725	SA 07H203X115	1.000 ea
RA058876	RA 07H203X115	1.000 ea
HW3201A01	1/2-13 EYEBOLT	1.000 ea
09CB3003	CB W/1.75" DIA LD HL - 37, 39, 307 & 309	1.000 ea
09GS1000	GASKET-CONDUIT BOX, 1/16 THICK LEXIDE	1.000 ea
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 ea
WD1000B16	T&B CX70TN OR L70P TERMINAL LUG	1.000 ea
59XW2520G07	.25-20X.44,HEX SER WSHR,TAPTITE 2,GREEN	1.000 ea
37EP1101A03	FR/PU ENDPLATE, MACH	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 ea
07EP1116A01	ENDPLATE, MACH	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 ea
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 ea
07FH4007SP	PRIMED	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 ea
09CB3501SP	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000 ea
09GS1013SP	GS FOR 09CB3501, 12CB1500 & 12CB1503 LID	1.000 ea
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 ea
HW2501G25	KEY, 3/8 SQ X 2.875	1.000 ea
HA7000A03	KEY RETAINER RING 1.62 & 1.88 DIA. SH	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 ea
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
37FN3002A01SP	EXFN, PLASTIC, 9.00 OD, 1.155 ID	1.000 ea
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.036 ga
HA3104A58T	THRUBOLT .31-18 X 14.500 W/SHRINK TUBING	4.000 ea
LC0013	CONNECTION LABEL	1.000 ea

NP1256L	ALUM UL CC INDUSTRIAL MOTOR A60	1.000 ea
07PA1011	PKG GRP, 07 CAST IRON PK1181	1.000 ea
10XL3807A32	3/8 X 2" LAG SCREW TDR #49106	2.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea

Accessories

Part number	Description	Multiplier
37-1302	C FACE KIT	A8

AC Induction Motor Performance Data
Record # 36487
Typical performance - not guaranteed values

Winding: 07WGX115-R002	**Type:** 0750M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Speed Connection**	
Rated Output (HP)			10/4.4	**Full Load Torque**	30 LB-FT
Volts			460	**Start Configuration**	direct on line
Full Load Amps			12.5/6.7	**Breakdown Torque**	88 LB-FT
R.P.M.			1760/1170	**Pull-up Torque**	32 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	61 LB-FT
NEMA Design Code	B	**KVA Code**	H	**Starting Current**	85 A
Service Factor (S.F.)			1.15	**No-load Current**	5.1 A
NEMA Nom. Eff.	0	**Power Factor**	0	**Line-line Res. @ 25ºC**	1.47 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	85°C
S.F. Amps				**Temp. Rise @ S.F. Load**	105°C

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	51	74	81	87	87	83	87
Efficiency	80.2	86.4	87.4	86.7	85.2	82.6	85.8
Speed	1789	1779	1767	1756	1742	1722	1748
Line amperes	5.8	7.4	10	12.5	15.8	20.2	14.5

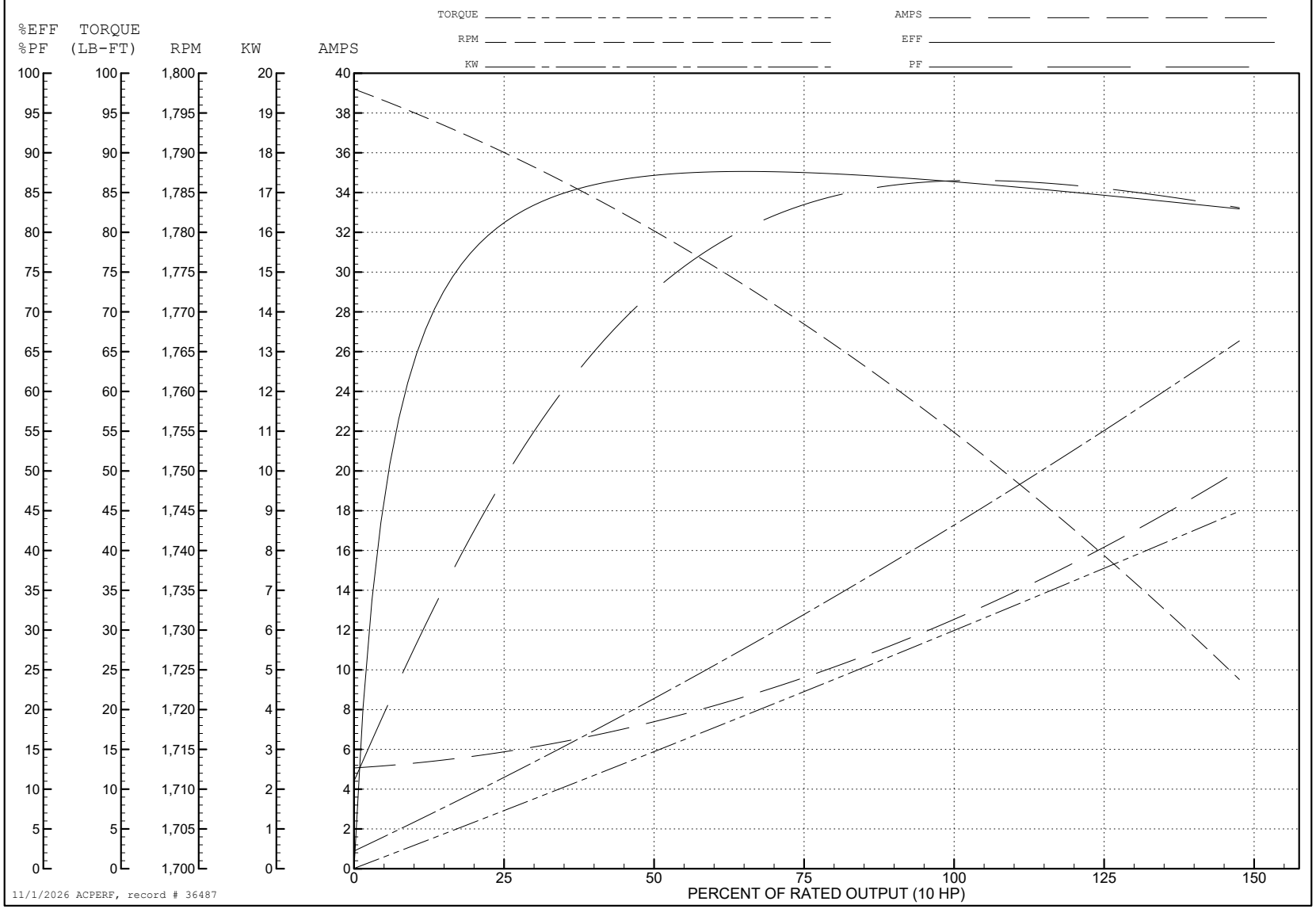
ABB Motors and Mechanical Inc.

WINDING # 07WGX115

10 HP 3 PH 60 HZ 1756 RPM 460 V 0750M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=88 PU=32 LR=61 LRA=85



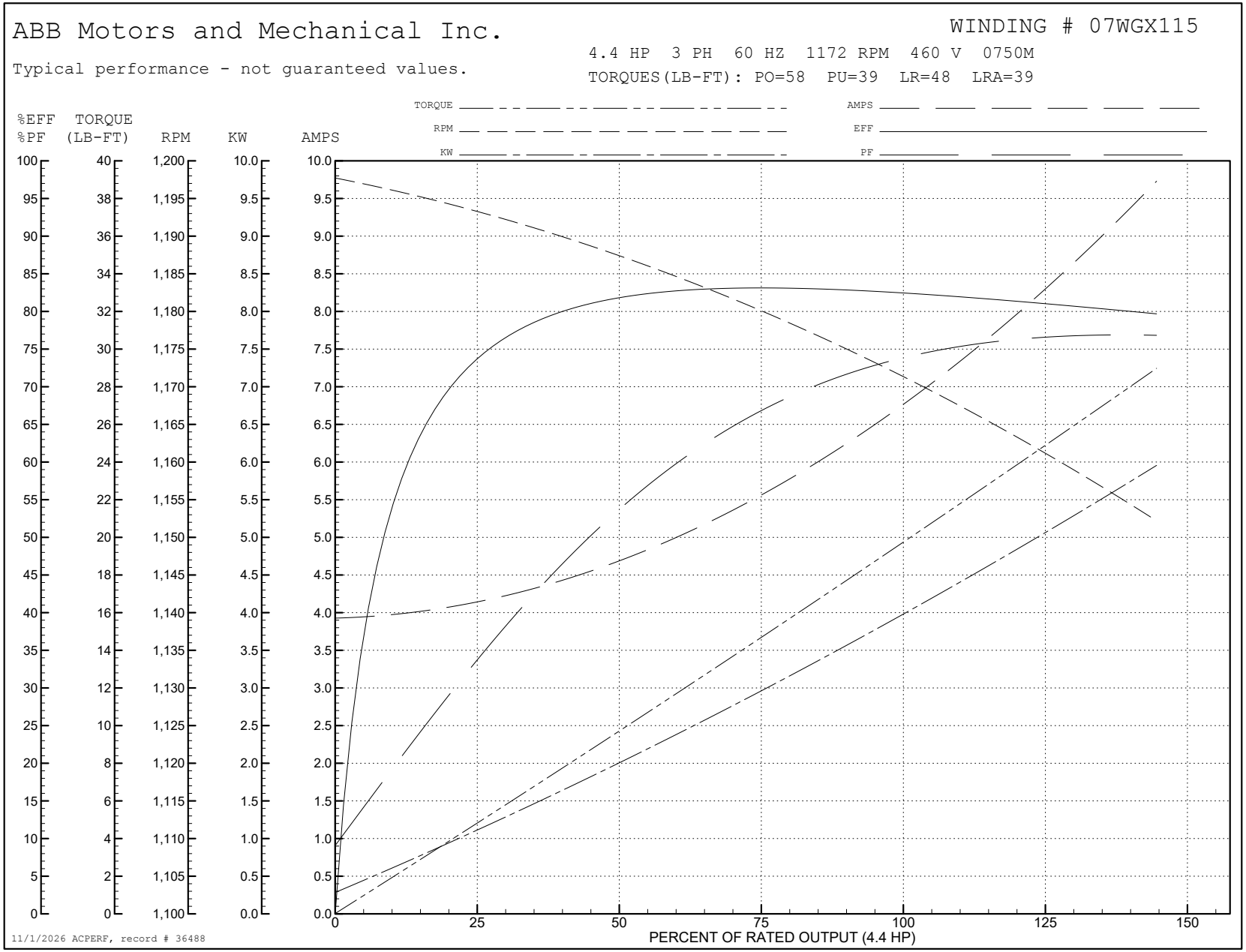
AC Induction Motor Performance Data
Record # 36488
Typical performance - not guaranteed values

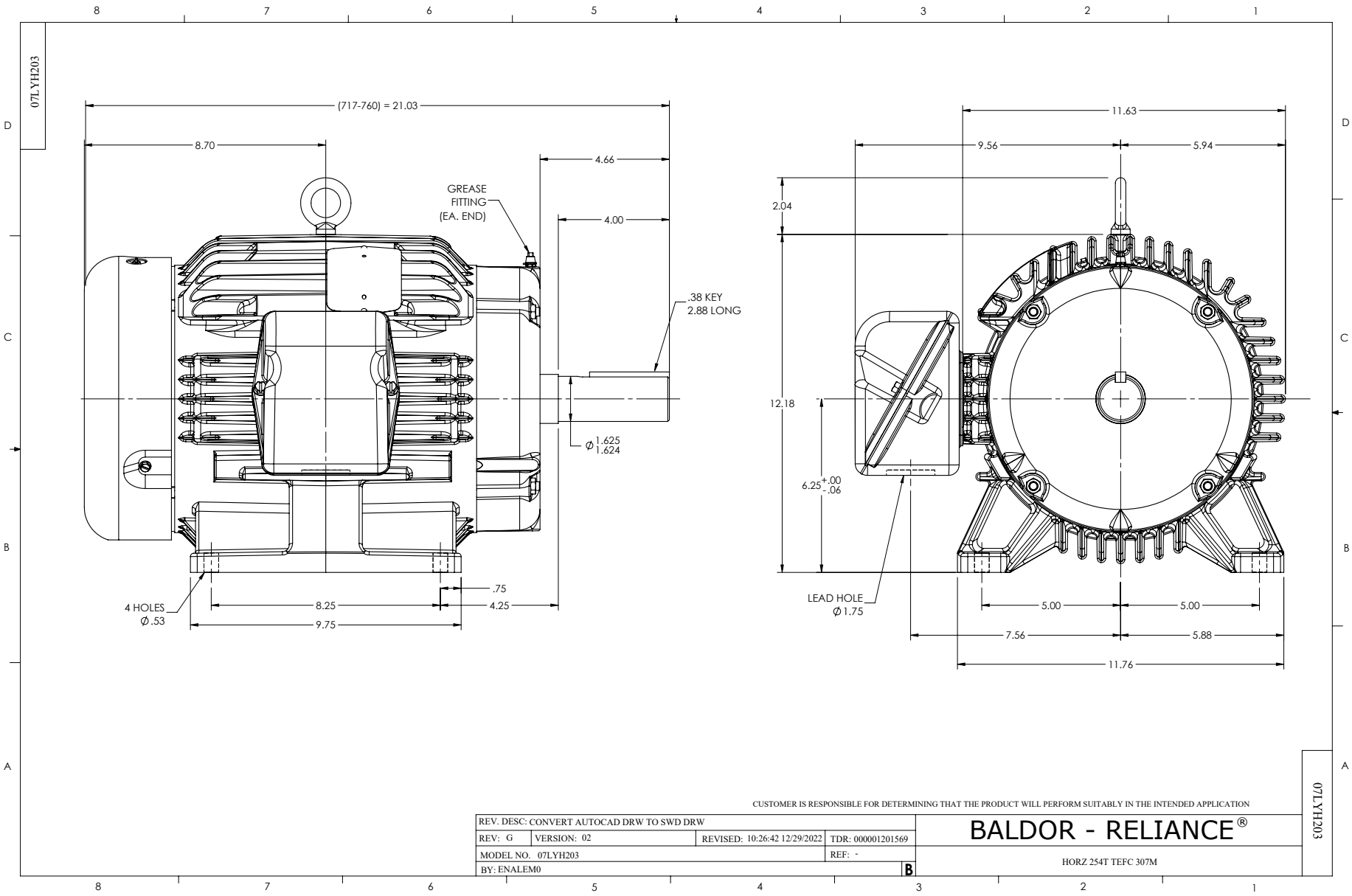
Winding: 07WGX115-R002	**Type:** 0750M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: Low Speed Connection**	
Rated Output (HP)			10/4.4	**Full Load Torque**	19.3 LB-FT
Volts			460	**Start Configuration**	direct on line
Full Load Amps			12.5/6.7	**Breakdown Torque**	58 LB-FT
R.P.M.			1760/1170	**Pull-up Torque**	39 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	48 LB-FT
NEMA Design Code	B	**KVA Code**	H	**Starting Current**	39 A
Service Factor (S.F.)			1.15	**No-load Current**	3.9 A
NEMA Nom. Eff.	0	**Power Factor**	0	**Line-line Res. @ 25ºC**	4.26 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	64°C
S.F. Amps				**Temp. Rise @ S.F. Load**	76°C

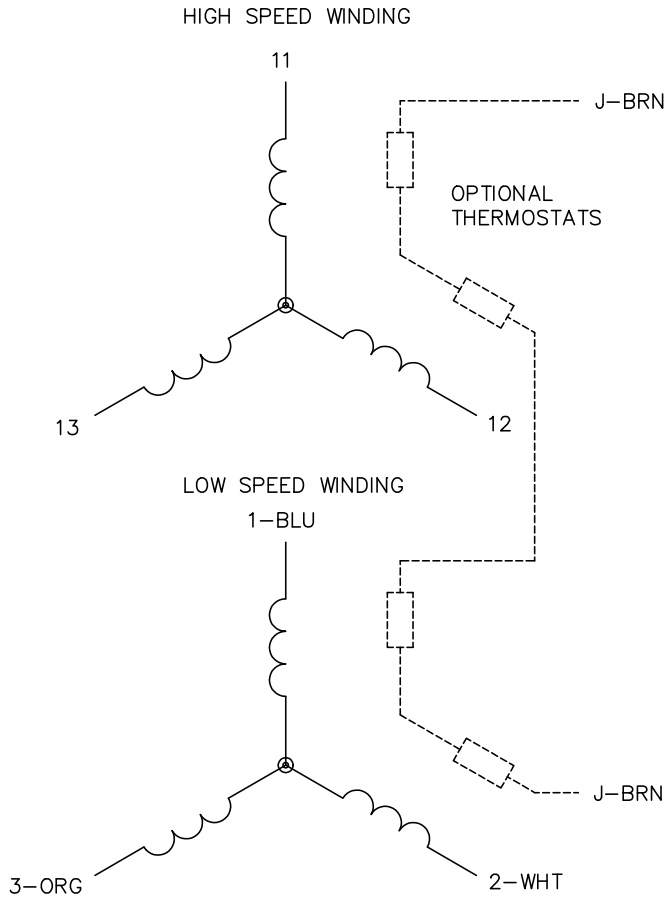
Load Characteristics 460 V, 60 Hz, 4.4 HP

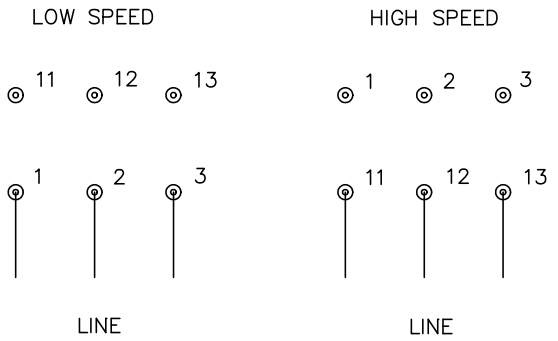
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	33	54	68	73	76	77	75
Efficiency	74	80.9	83.1	82.9	81.4	79.6	82
Speed	1193	1187	1181	1172	1163	1152	1167
Line amperes	4.2	4.7	5.4	6.7	8.1	9.7	7.54


ABB Motors and Mechanical Inc.
WINDING # 07WGX115
4.4 HP 3 PH 60 HZ 1172 RPM 460 V 0750M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=58 PU=39 LR=48 LRA=39
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (4.4 HP)
11/1/2026 ACPERF, record # 36488


07LYH203
(717-760) = 21.03
8.70
4.66
4.00
GREASE FITTING (EA. END)
.38 KEY
2.88 LONG
Ø 1.625
1.624
4 HOLES Ø .53
8.25
9.75
.75
4.25
11.63
9.56
5.94
2.04
12.18
6.25 +.00 -.06
LEAD HOLE Ø 1.75
5.00
5.00
7.56
5.88
11.76
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD DRW TO SWD DRW
REV: G
VERSION: 02
REVISED: 10:26:42 12/29/2022
TDR: 000001201569
MODEL NO. 07LYH203
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HORZ 254T TEFC 307M
07LYH203

CD0013





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 VARY.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: D	BY: JLP	REVISED: 01/22/99 8:50	TDR: 0171435
CD0013		FILE: AAA00005143	MDL: –
		MTL: –	3PH, SV, 6 LEADS, 2–SPEED 2–WINDING

CD0013