ABB BALDOR RELIANCE

Customer information packet

M2394T

15HP, 3450RPM, 3PH, 60HZ, 254T, 0750M, TEFC, F1
Class - None
Division - Not Applicable

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/19/2026 7:52:36 AM

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	15.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
	208.0 V @ 60 HZ
Agency Approvals	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	37.500 A @ 208.0 V
	34.000 A @ 230.0 V
	17.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	90.2 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	V
Type	AC
Mech. spec.	07H203
Base	
Status	NLA/A
Elec. spec.	07WGW677
Layout	07LYH203
Eff. date	02-10-2010
CD Diagram	CD0005
Poles	02
Leads	9#14
Proprietary	False
Created date	01-01-0001

Heater Indicator	No Heater
High Voltage Full Load Amps	17.0 a
Insulation Class	F
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	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0750M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	21.07 IN
Power Factor	91
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	3450 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	NONE (OLD)
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None

Winding Thermal 2	None

Nameplate

NP1256L									
CAT.NO.	M2394T								
SPEC.	07H203W677H1								
HP	15								
VOLTS	208-230/460								
AMP	37.5-34/17								
RPM	3450								
FRAME	254T	**HZ**	60			**PH**	3		
SER.F.	1.15	**CODE**	K	**DES**	A	**CLASS**	F		
NEMA-NOM-EFF	90.2	**PF**	91						
RATING	40C AMB-CONT								
CC	010A								
DE	6309	**ODE**	6307						
ENCL	TEFC	**SN**							

Accessories

Part number	Description	Multiplier
37-1302	C FACE KIT	A8

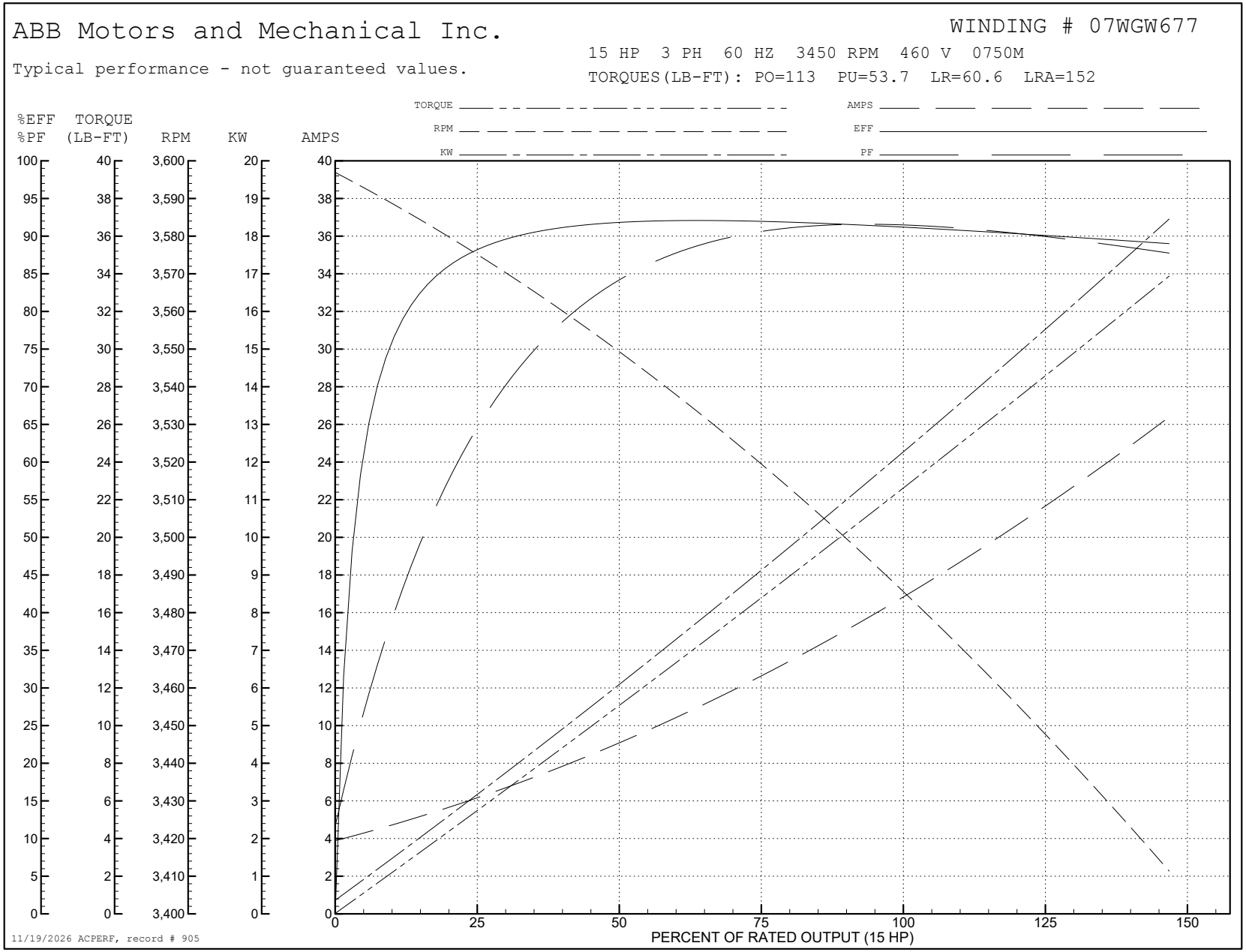
AC Induction Motor Performance Data
Record # 905
Typical performance - not guaranteed values

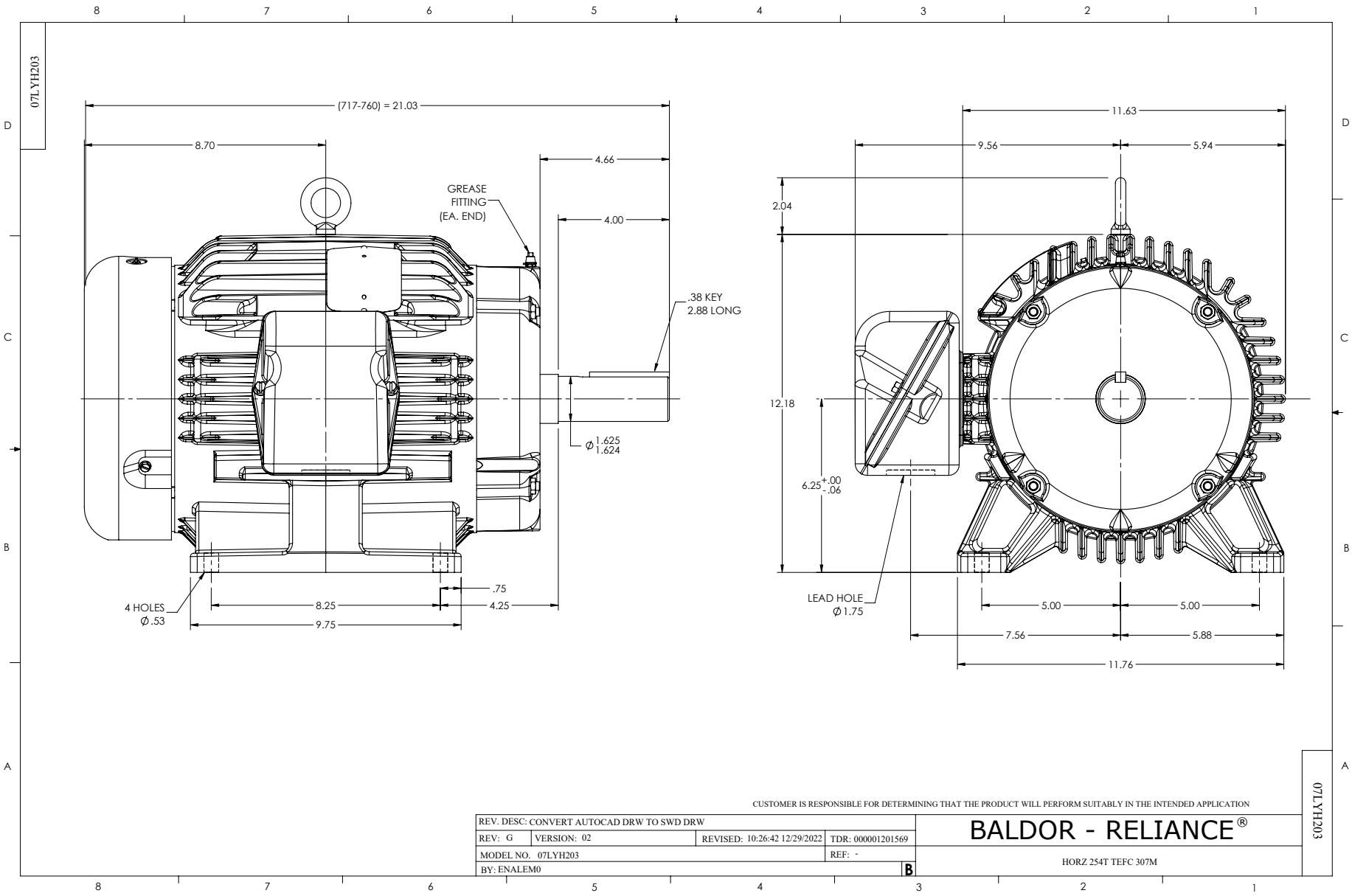
Winding: 07WGW677-R001	**Type:** 0750M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			15	**Full Load Torque**	22.6 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			37.5-34/17	**Breakdown Torque**	113 LB-FT
R.P.M.			3450	**Pull-up Torque**	53.7 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	60.6 LB-FT
NEMA Design Code	A	**KVA Code**	K	**Starting Current**	152 A
Service Factor (S.F.)			1.15	**No-load Current**	4 A
NEMA Nom. Eff.	90.2	**Power Factor**	91	**Line-line Res. @ 25ºC**	0.55 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	63°C
S.F. Amps				**Temp. Rise @ S.F. Load**	77°C
				Locked-rotor Power Factor	32
				Rotor inertia	0.457 LB-FT2

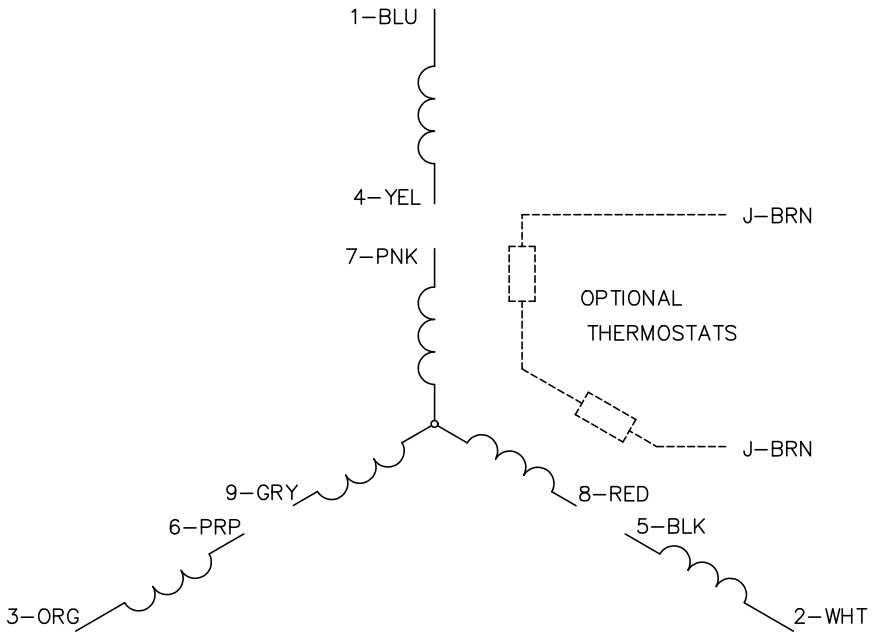
Load Characteristics 460 V, 60 Hz, 15 HP

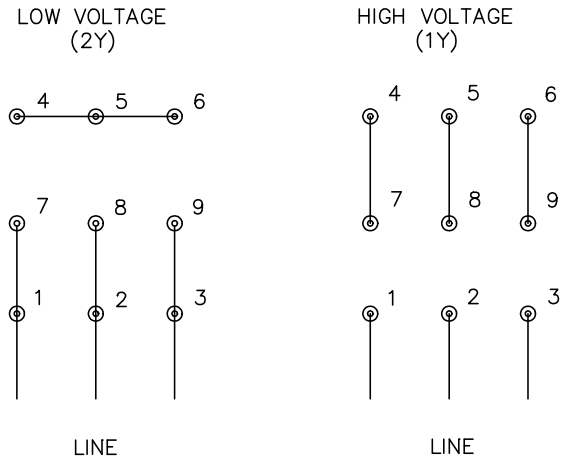
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	68	85	90	91	91	90	91
Efficiency	88.2	91.6	91.9	91.3	90.3	88.9	90.7
Speed	3570	3550	3520	3485	3450	3411	3464
Line amperes	6	9.2	12.9	17	21.1	26.5	19.5


ABB Motors and Mechanical Inc.
WINDING # 07WGW677
15 HP 3 PH 60 HZ 3450 RPM 460 V 0750M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=113 PU=53.7 LR=60.6 LRA=152
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (15 HP)
11/19/2026 ACPERF, record # 905


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

CD0005





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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS