



Customer information packet

M233T-5

15HP, 1760RPM, 3PH, 60HZ, 254T, 0756M, TEFC, F1

Class -

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	254T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	15.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CSA
	UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	RG
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	15.200 A @ 575.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %
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	15.2 a
Insulation Class	H
Inverter Code	Not Inverter
KVA Code	J

Part detail

Revision	L
Type	AC
Mech. spec.	07H203
Base	
Status	NLA/A
Elec. spec.	07WGX922
Layout	07LYH203
Eff. date	03-08-2016
CD Diagram	CD0006
Poles	04
Leads	3#14
Proprietary	False
Created date	03-19-2009

Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0756M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	21.07 IN
Power Factor	83
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	1760 rpm
Speed Code	Single Speed
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.	M2333T-5										
SPEC.	07H203X922H1										
HP	15										
VOLTS	575										
AMP	15.2										
RPM	1760										
FRAME	254T		HZ	60			PH	3			
SER.F.	1.15	CODE	J	DES	A	CLASS	H				
NEMA-NOM-EFF	91	PF	83								
RATING	40C AMB-CONT										
CC	010A										
DE	6309		ODE	6307							
ENCL	TEFC	SN									

Parts list

Part number	Description	Quantity
SA180524	SA 07H203X922H1	1.000 ea
RA168485	RA 07H203X922H1	1.000 ea
37FN3002B01	EXFN, PLASTIC, 7.50 OD, 1.155 ID	1.000 ea
HW3201A01	1/2-13 EYEBOLT	1.000 ea
09CB3002SP	CB W/1.38 LEAD HOLE FOR 37, 39, 307 & 30	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
WD1000B17	T&B CX35TN OR L35P TERMINAL LUG	1.000 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
37PE1101A03	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
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1000G27	MED CHARCOAL METALLIC GREY	0.036 ga
HA3104A58	THRUBOLT- 5/16-18 X 14.500	4.000 ea
LB1624	WARNING LABEL	1.000 ea
LC0006	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 (2400 bx)4/22	1.000 ea

Accessories

Part number	Description	Multiplier
37-1302	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 36502

Typical performance - not guaranteed values

Winding: 07WGX922-R001			Type: 0756M		Enclosure: TEFC			
Nameplate Data				575 V, 60 Hz: Single Voltage Motor				
Rated Output (HP)		15	Full Load Torque		44.6 LB-FT			
Volts		575	Start Configuration		direct on line			
Full Load Amps		15.2	Breakdown Torque		177 LB-FT			
R.P.M.		1760	Pull-up Torque		76.4 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque		108 LB-FT		
NEMA Design Code		A	KVA Code	J	Starting Current		126 A	
Service Factor (S.F.)		1.15	No-load Current		6.46 A			
NEMA Nom. Eff.		91	Power Factor		83	Line-line Res. @ 25°C		0.946 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		66°C		
S.F. Amps				Temp. Rise @ S.F. Load		78°C		
				Locked-rotor Power Factor		35		
				Rotor inertia		1.38 LB-FT2		

Load Characteristics 575 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	44	66	76	81	84	85	83
Efficiency	86.2	91.1	91.7	91.4	90.5	89.3	90.9
Speed	1791	1784	1776	1767	1757	1746	1761
Line amperes	7.27	9.3	11.9	15.2	18.5	22.3	17.2

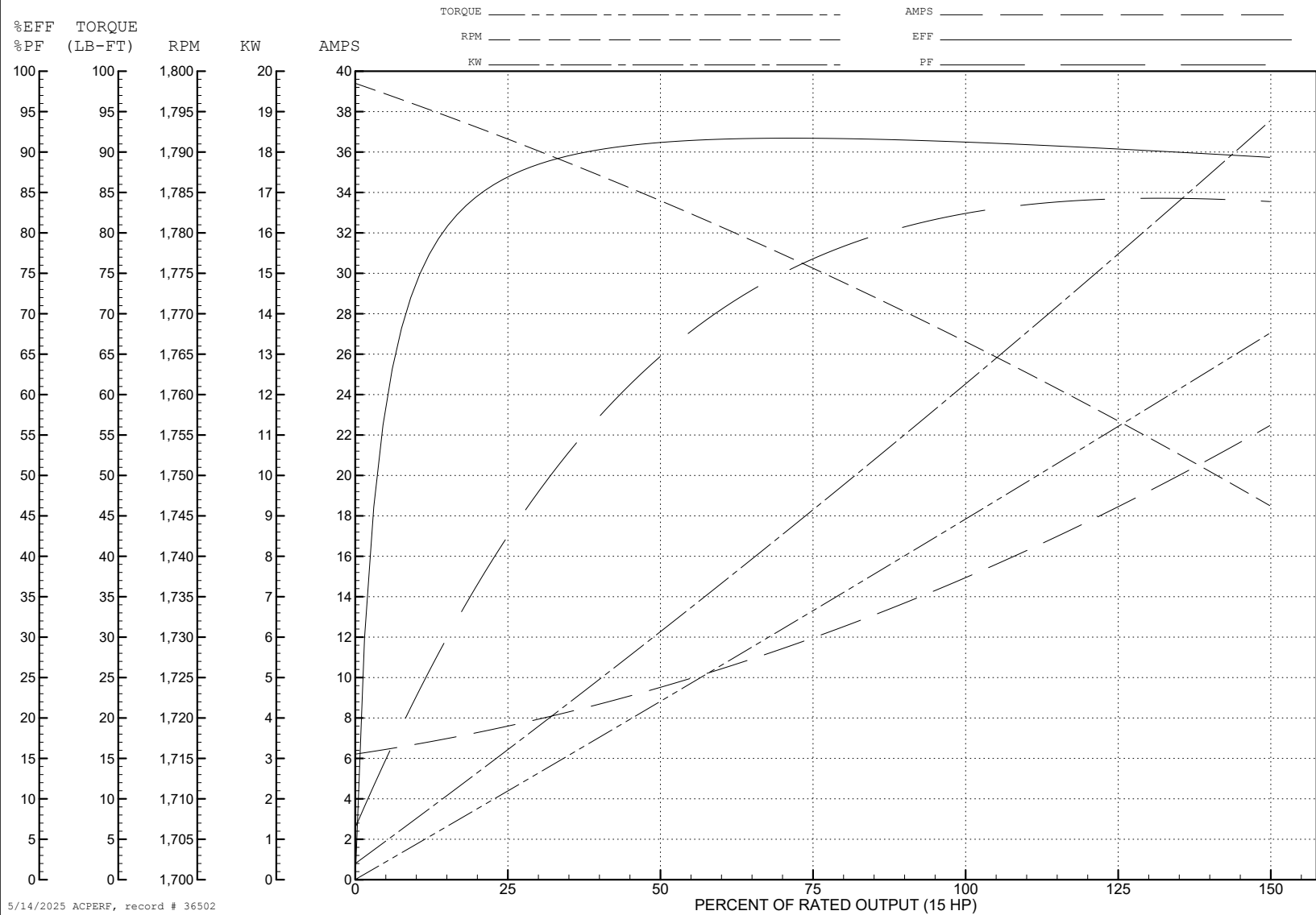
ABB Motors and Mechanical Inc.

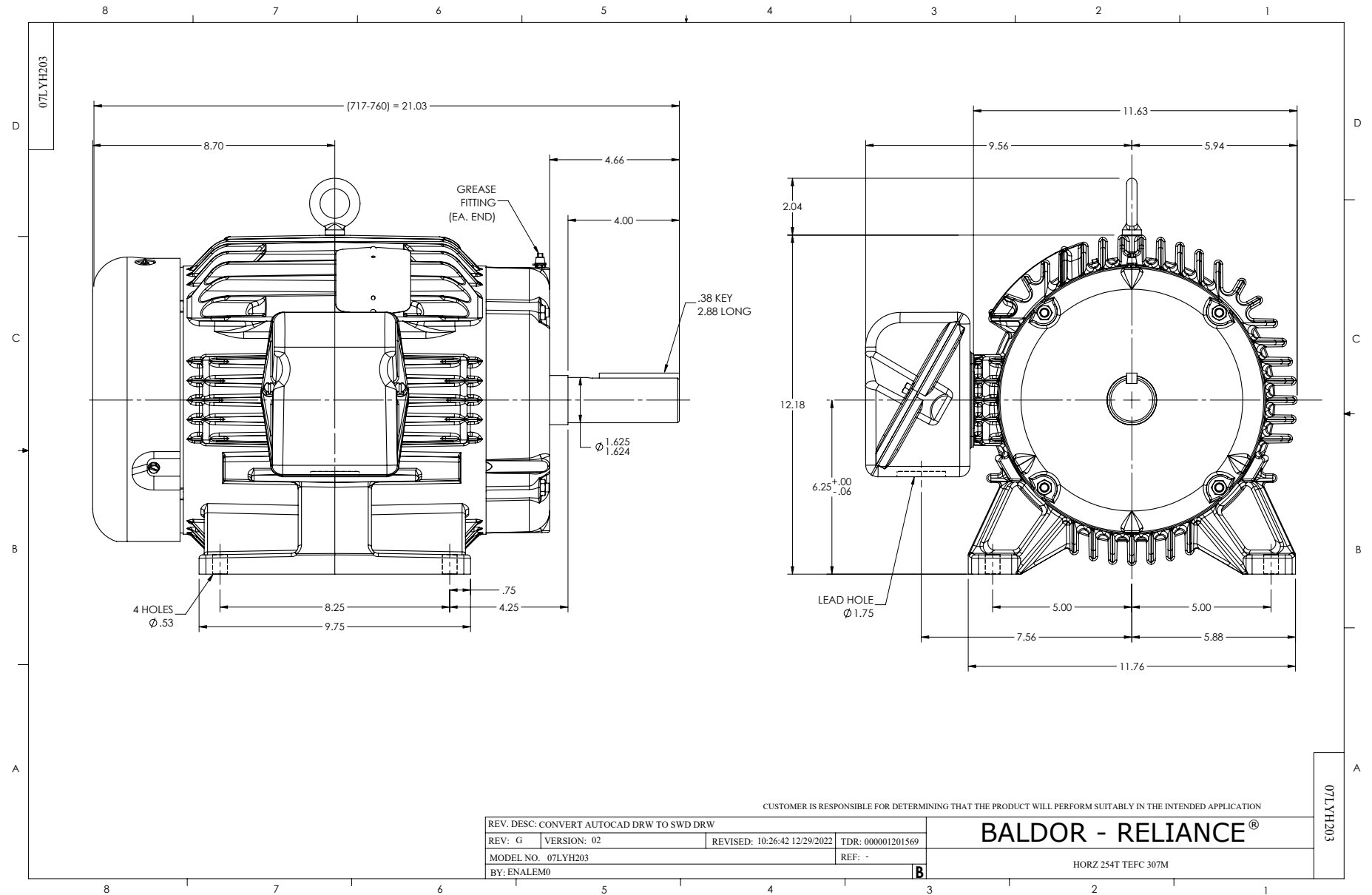
WINDING # 07WGX922

Typical performance - not guaranteed values.

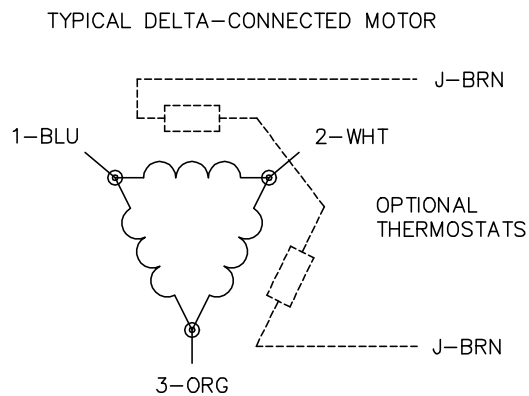
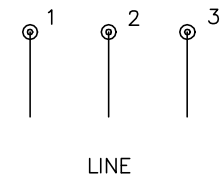
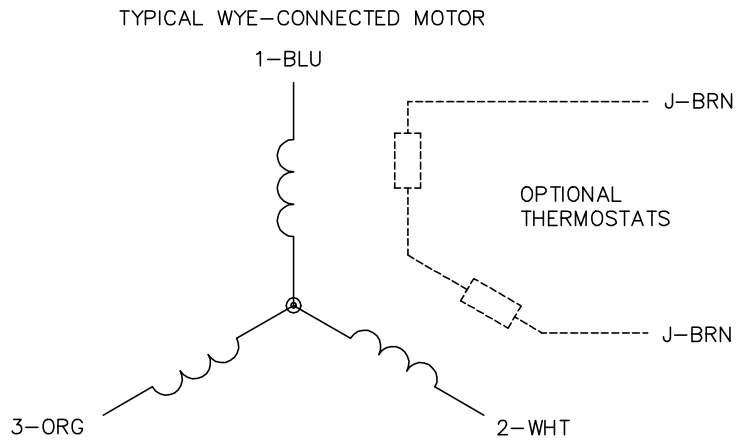
15 HP 3 PH 60 HZ 1760 RPM 575 V 0756M

TORQUES (LB-FT): PO=177 PU=76.4 LR=108 LRA=126





CD0006



- NOTES:
- 1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
 - 2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
 - 3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
 - 4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
 - 5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

REV. DESC: ADD CLASS CONN00000007

REV. LTR: E

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\141

REVISED: 10: 24: 49 02/19/2019

BY: ENBRIRO

MTL: —



BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

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