BALDOR • RELIANCE

Customer information packet

GNEM3768T

5HP//3.7KW, 1160//950RPM, 3PH, 60//50HZ, 215
Class - None
Division - Not Applicable

12/22/2025 2:39:05 PM

Specifications

Enclosure	TEFC
Frame	215T
Frame Material	Iron
Frequency	50.00 Hz
	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
	3.700 KW @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	190.0 V @ 50 HZ
	208.0 V @ 60 HZ
	230.0 V @ 60 HZ
	380.0 V @ 50 HZ
	460.0 V @ 60 HZ
Agency Approvals	CE
	WEEE
	UKCA
	CURUSEEV
	IE3
	NEMA PREMIUM
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	8.600 A @ 380.0 V
	7.300 A @ 460.0 V
	17.200 A @ 190.0 V
	15.800 A @ 208.0 V

Part detail

Revision	C
Type	AC
Mech. spec.	07H002
Base	
Status	PRD/A
Elec. spec.	07WGX823
Layout	07LYH002
Eff. date	09-30-2024
CD Diagram	CD0005
Poles	06
Leads	9#14
Proprietary	False
Created date	09-14-2023

	14.600 A @ 230.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	7.3 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0748M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	18.45 IN
Power Factor	72
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger

Speed	1160 rpm
	950 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

NP4304L										
CAT.NO.	GNEM3768T									
SPEC.	07H002X823G1									
HP	5HP//3.7KW				**PH**	3				
VOLTS	208-230/460//190/380									
AMPS	15.8-14.6/7.3//17.2/8.6									
R.P.M. (1/MIN)	1160//950				**WT.**	86KG	**KG**			
FRAME	215T	**HZ**	60//50		**I.P.**	44				
SER.F.	1.15	**CODE**	K	**DES.**	A	**CLASS**	F			
NOM.EFF.	89.5//86.5	**% (100%)**								
P.F.	72	IC411, 10:1 VT								
RATING	40C AMB-S1 CONT			**CC**	010A					
DE	6307	**ODE**	6206							
ENCL	TEFC	**SN**								
	SFA 17.8-16.4/8.2//19.8/9.9									
	IE3-50HZ 90.0(75%),89.4(50%)									
	IE3-60HZ 90.6(75%),89.9(50%)									

AC Induction Motor Performance Data
Record # 101073
Typical performance - not guaranteed values

Winding: 07WGX823-R041	**Type:** 0748M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			5HP//3.7KW	**Full Load Torque**	22.6 LB-FT
Volts			208-230/460//190/380	**Start Configuration**	direct on line
Full Load Amps			15.8-14.6/7.3//17.2/8.6	**Breakdown Torque**	77.4 LB-FT
R.P.M.			1160//950	**Pull-up Torque**	46.7 LB-FT
Hz	60//50	**Phase**	3	**Locked-rotor Torque**	56.1 LB-FT
NEMA Design Code	A	**KVA Code**	K	**Starting Current**	51.9 A
Service Factor (S.F.)			1.15	**No-load Current**	3.7 A
NEMA Nom. Eff.	89.5	**Power Factor**	72	**Line-line Res. @ 25ºC**	1.68 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	50°C
S.F. Amps			17.8-16.4/8.2//19.8/9.9	**Temp. Rise @ S.F. Load**	61°C
				Locked-rotor Power Factor	21.8
				Rotor inertia	1.19 LB-FT2

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	34	53	65	72	75	77	76
Efficiency	85.7	89.9	90.6	90.3	89.2	87.7	89.9
Speed	1190	1181	1173	1163	1151	1139	1161
Line amperes	4.01	4.78	5.85	7.25	8.71	10.3	7.82

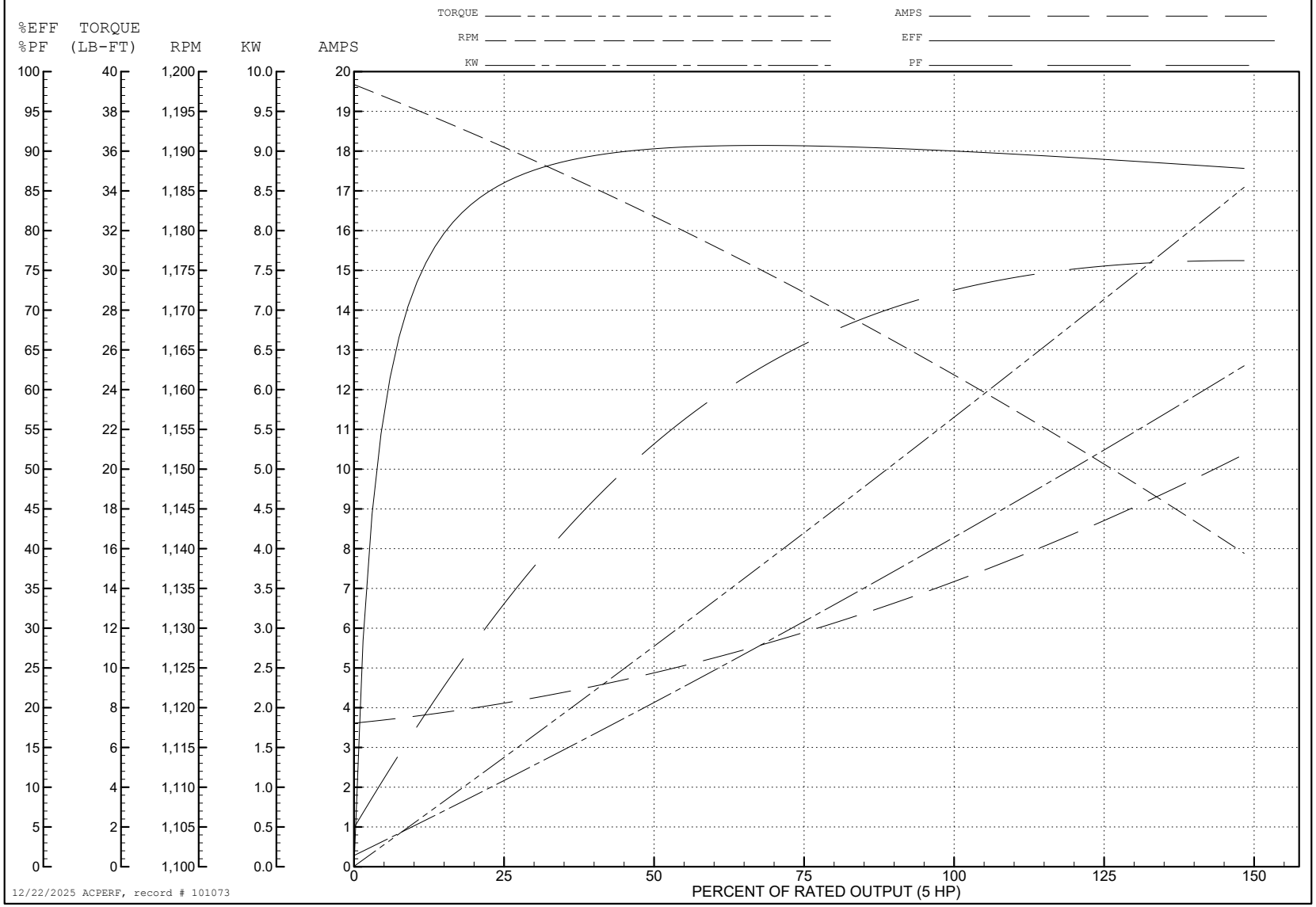
ABB Motors and Mechanical Inc.

WINDING # 07WGX823

5 HP 3 PH 60 HZ 1163 RPM 460 V 0748M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=77.4 PU=46.7 LR=56.1 LRA=51.9



12/22/2025 ACPERF, record # 101073

AC Induction Motor Performance Data
Record # 101074
Typical performance - not guaranteed values

Winding: 07WGX823-R041	**Type:** 0748M	**Enclosure:** TEFC

Nameplate Data				**380 V, 50 Hz: High Voltage Connection**	
Rated Output (HP)			5HP//3.7KW	**Full Load Torque**	27.78 LB-FT
Volts			208-230/460//190/380	**Start Configuration**	direct on line
Full Load Amps			15.8-14.6/7.3//17.2/8.6	**Breakdown Torque**	74.8 LB-FT
R.P.M.			1160//950	**Pull-up Torque**	51.5 LB-FT
Hz	60//50	**Phase**	3	**Locked-rotor Torque**	61.9 LB-FT
NEMA Design Code	A	**KVA Code**	K	**Starting Current**	50.8 A
Service Factor (S.F.)			1.15	**No-load Current**	3.64 A
NEMA Nom. Eff.	89.5	**Power Factor**	72	**Line-line Res. @ 25ºC**	1.68 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	68°C
S.F. Amps			17.8-16.4/8.2//19.8/9.9	**Temp. Rise @ S.F. Load**	90°C
				Locked-rotor Power Factor	25.2
				Rotor inertia	1.19 LB-FT2

Load Characteristics 380 V, 50 Hz, 5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	40	60	71	75	76	75	76
Efficiency	87.7	89.4	90	88.5	86	82.1	87
Speed	989	978	967	954	936	910	943
Line amperes	4.07	5.15	6.65	8.61	10.83	13.85	9.94

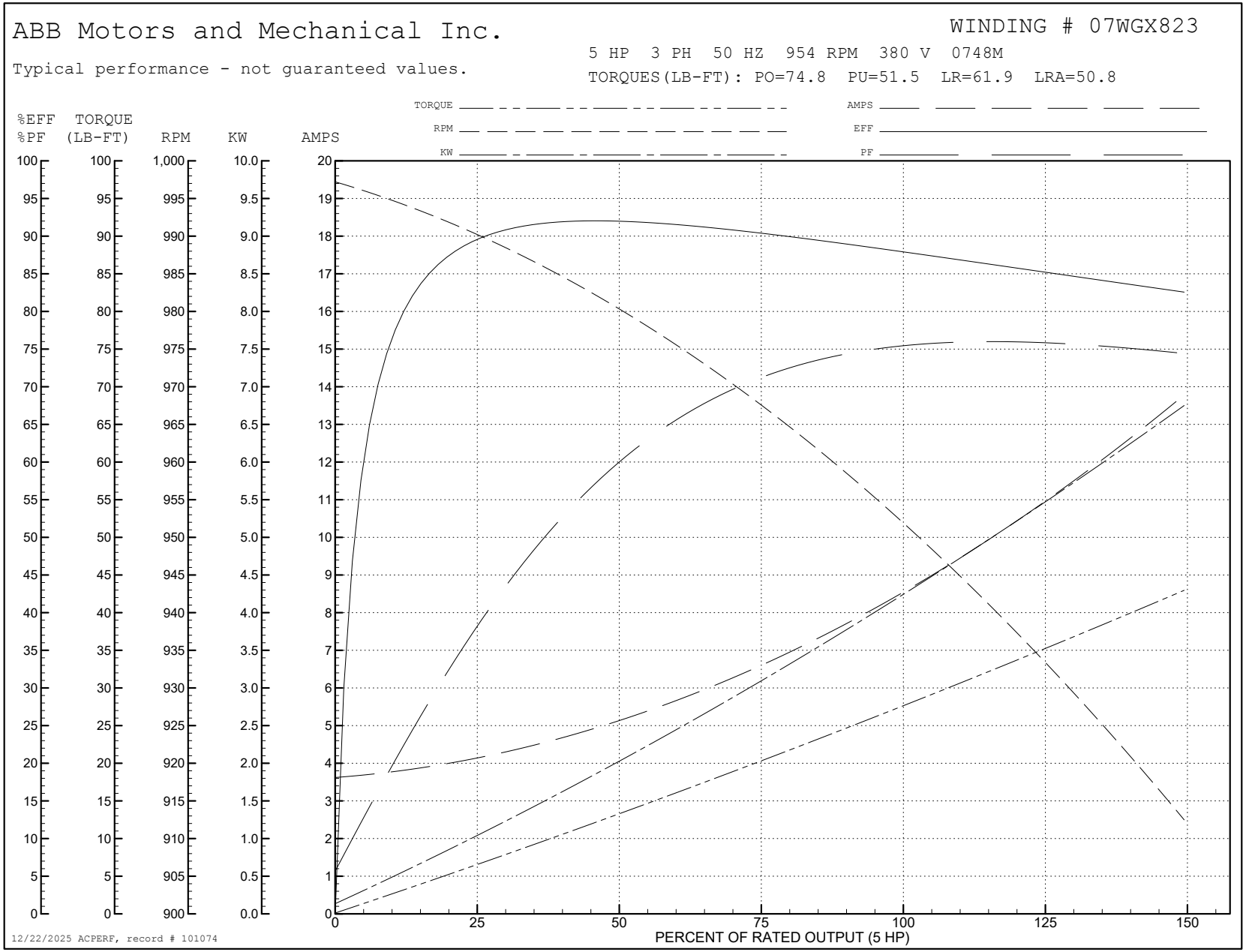
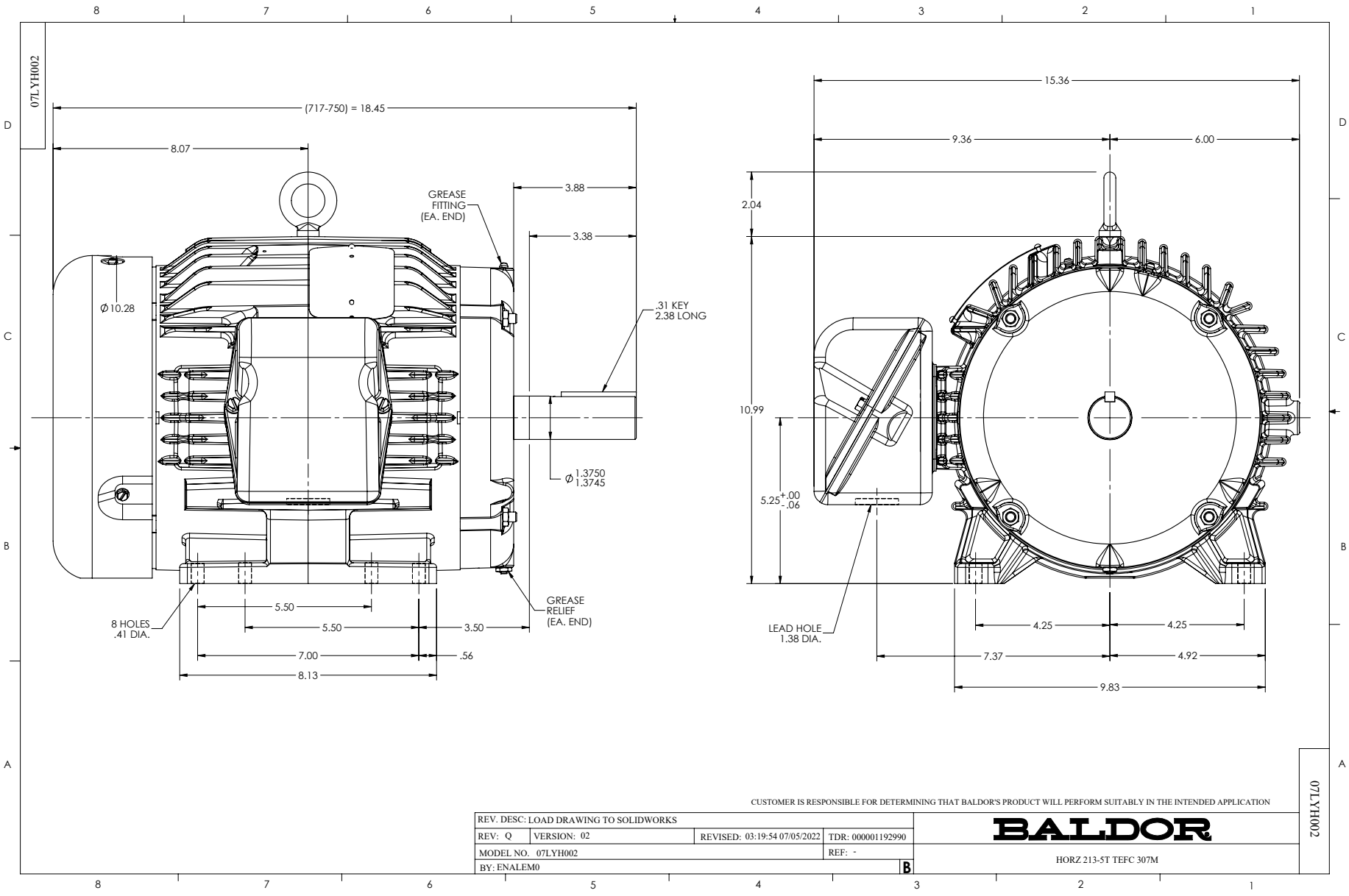
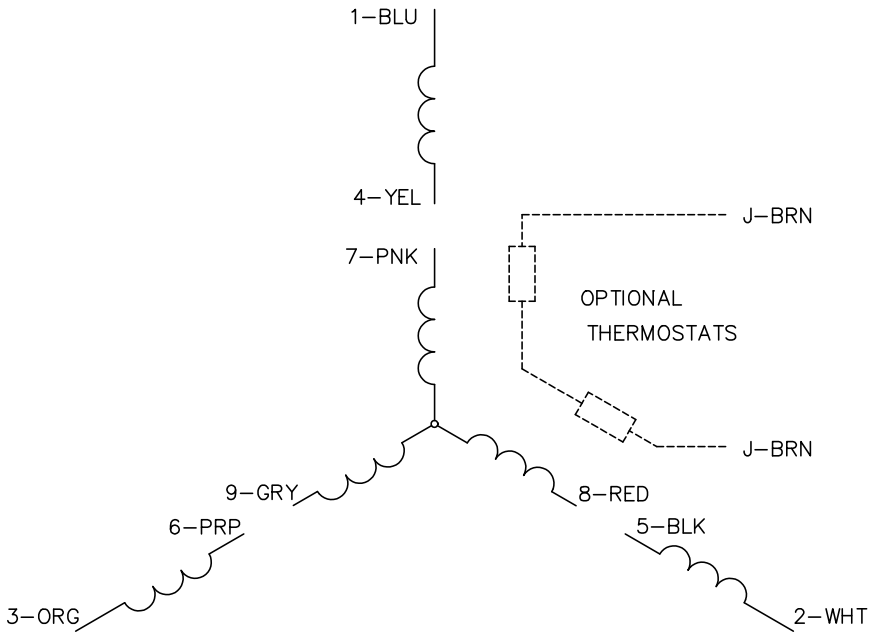
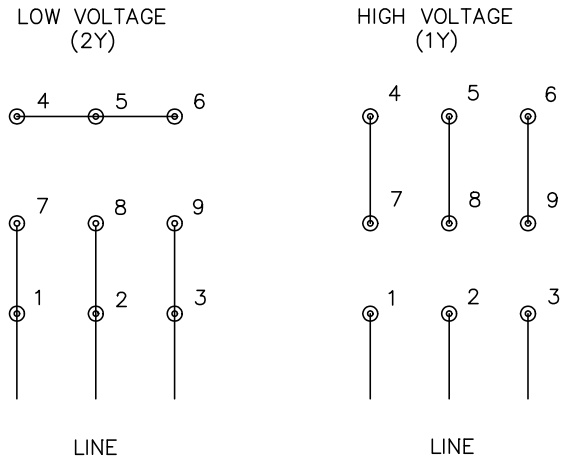


ABB Motors and Mechanical Inc.
WINDING # 07WGX823
Typical performance - not guaranteed values.
5 HP 3 PH 50 HZ 954 RPM 380 V 0748M
TORQUES(LB-FT): PO=74.8 PU=51.5 LR=61.9 LRA=50.8
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (5 HP)
12/22/2025 ACPERF, record # 101074


07LYH002
(717-750) = 18.45
8.07
3.88
3.38
GREASE FITTING (EA. END)
Ø 10.28
.31 KEY 2.38 LONG
Ø 1.3750 1.3745
8 HOLES .41 DIA.
5.50
5.50
3.50
7.00
.56
8.13
GREASE RELIEF (EA. END)
15.36
9.36
6.00
2.04
10.99
5.25 +.00 -.06
LEAD HOLE 1.38 DIA.
4.25
4.25
7.37
4.92
9.83
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOAD DRAWING TO SOLIDWORKS
REV: Q
VERSION: 02
REVISED: 03:19:54 07/05/2022
TDR: 000001192990
MODEL NO. 07LYH002
REF: -
BY: ENALEM0
B
BALDOR
HORZ 213-5T TEFC 307M
07LYH002

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