BALDOR • RELIANCE

Customer information packet

GNEM3774T-G

10HP//7.5KW, 1765//1460 1/MINRPM, 3PH, 60//
Class - None
Division - Not Applicable

12/22/2025 5:56:09 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	7.500 KW @ 50 HZ
	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	208.0 V @ 60 HZ
	190.0 V @ 50 HZ
	230.0 V @ 60 HZ
	380.0 V @ 50 HZ
	460.0 V @ 60 HZ
Agency Approvals	WEEE
	UKCA
	NEMA_PREMIUM
	NEMA PREMIUM
	IE3
	CURUS
	CE
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	29.400 A @ 190.0 V
	26.400 A @ 208.0 V
	24.600 A @ 230.0 V

Part detail

Revision	F
Type	AC
Mech. spec.	07L783
Base	
Status	PRD/A
Elec. spec.	07WGX598
Layout	07LYL783
Eff. date	05-02-2025
CD Diagram	CD0005
Poles	04
Leads	9#14
Proprietary	False
Created date	04-12-2023

	14.700 A @ 380.0 V
	12.300 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	92.4 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	12.3 a
Insulation Class	H
Inverter Code	Inverter Ready
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
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	4
Overall Length	18.45 IN
Power Factor	81
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	Shaft Grounding
Shaft Rotation	Reversible

Shaft Slinger Indicator	No Slinger
Speed	1460 rpm
	1765 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.	GNEM3774T-G								
SPEC.	07L783X598G1								
HP	10HP//7.5KW				**PH**	3			
VOLTS	208-230/460//190/380								
AMPS	26.4-24.6/12.3//29.4/14.7								
R.P.M. (1/MIN)	1765//1460				**WT.**	90KG	**KG**		
FRAME	215T	**HZ**	60//50		**I.P.**	44			
SER.F.	1.15	**CODE**	J	**DES.**	A	**CLASS**	H		
NOM.EFF.	92.4	**% (100%)**							
P.F.	81	IC411, 10:1 VT							
RATING	40C AMB-CONT			**CC**	010A				
DE	6307	**ODE**	6206						
ENCL	TEFC	**SN**							
	SFA 30.4-28.4/14.2//33.8/14.7								
	IE3-50HZ 92.0(75%),93.6(50%)								
	IE3-60HZ 92.5(75%),93.6(50%)								

AC Induction Motor Performance Data
Record # 99272
Typical performance - not guaranteed values

Winding: 07WGX598-R039	**Type:** 0750M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			10HP//7.5KW	**Full Load Torque**	29.7 LB-FT
Volts			208-230/460//190/380	**Start Configuration**	direct on line
Full Load Amps			26.4-24.6/12.3//29.4/14.7	**Breakdown Torque**	94.2 LB-FT
R.P.M.			1765//1460	**Pull-up Torque**	56.3 LB-FT
Hz	60//50	**Phase**	3	**Locked-rotor Torque**	62.4 LB-FT
NEMA Design Code	A	**KVA Code**	J	**Starting Current**	95.7 A
Service Factor (S.F.)			1.15	**No-load Current**	5.6 A
NEMA Nom. Eff.	92.4	**Power Factor**	81	**Line-line Res. @ 25ºC**	0.866 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	55°C
S.F. Amps			30.4-28.4/14.2//33.8/14.7	**Temp. Rise @ S.F. Load**	67°C
				Locked-rotor Power Factor	35.2
				Rotor inertia	1.23 lb-ft²

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	41	64	76	81	84	85	83
Efficiency	89.8	93.5	92.5	92.2	91.3	90.1	91.7
Speed	1790	1782	1772	1764	1753	1743	1757
Line amperes	6.28	7.9	10	12.5	15.3	18.3	14.2

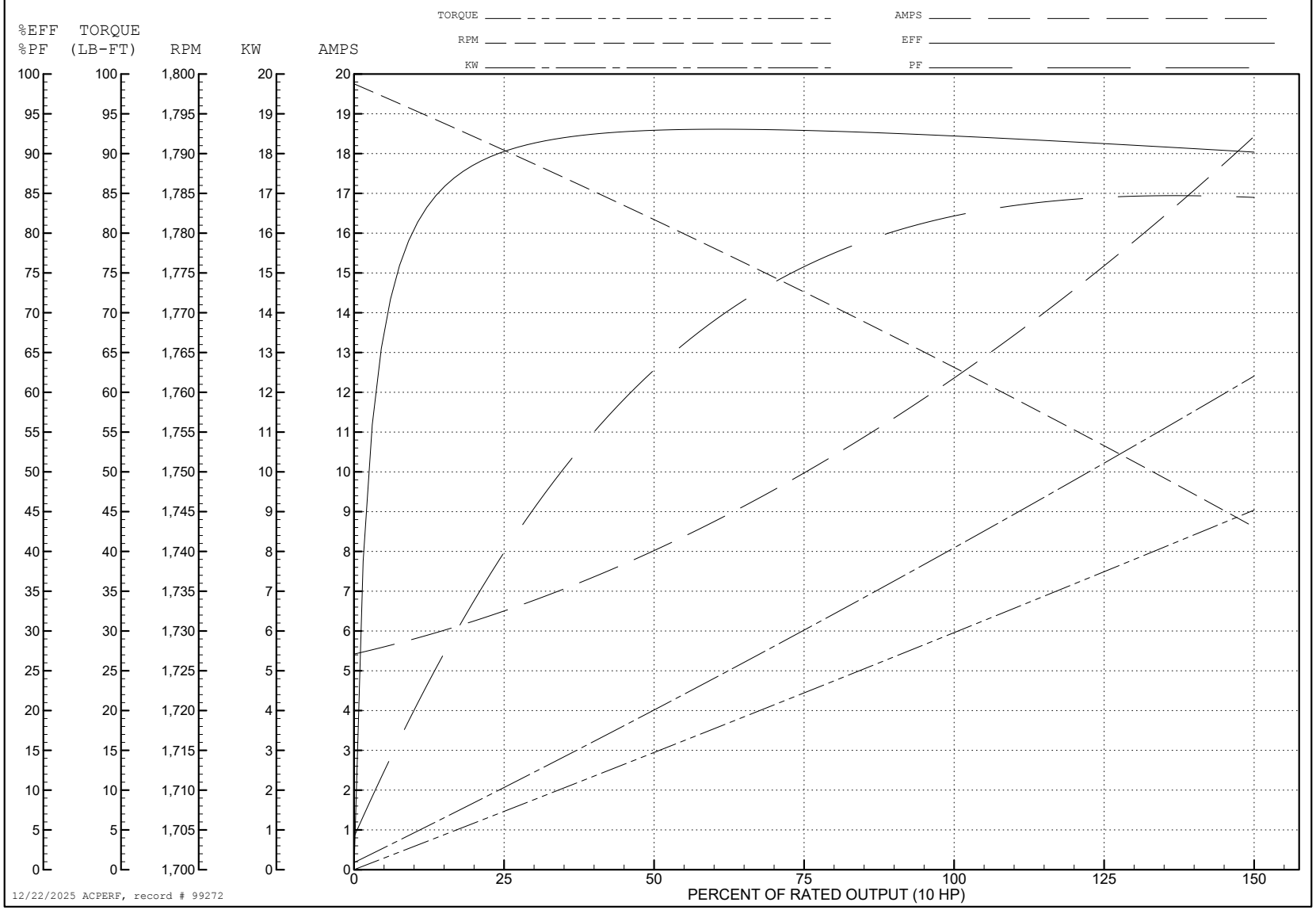
ABB Motors and Mechanical Inc.

WINDING # 07WGX598

Typical performance - not guaranteed values.

10 HP 3 PH 60 HZ 1764 RPM 460 V 0750M

TORQUES(LB-FT): PO=94.2 PU=56.3 LR=62.4 LRA=95.7



12/22/2025 ACPERF, record # 99272

AC Induction Motor Performance Data
Record # 99273
Typical performance - not guaranteed values

Winding: 07WGX598-R039	**Type:** 0750M	**Enclosure:** TEFC

Nameplate Data				**380 V, 50 Hz: High Voltage Connection**	
Rated Output (KW)			10HP//7.5KW	**Full Load Torque**	36.13 LB-FT
Volts			208-230/460//190/380	**Start Configuration**	direct on line
Full Load Amps			26.4-24.6/12.3//29.4/14.7	**Breakdown Torque**	89.9 LB-FT
R.P.M.			1765//1460	**Pull-up Torque**	58.1 LB-FT
Hz	60//50	**Phase**	3	**Locked-rotor Torque**	64.4 LB-FT
NEMA Design Code	A	**KVA Code**	J	**Starting Current**	92.9 A
Service Factor (S.F.)			1.15	**No-load Current**	5.49 A
NEMA Nom. Eff.	92.4	**Power Factor**	81	**Line-line Res. @ 25ºC**	0.866 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	72°C
S.F. Amps			30.4-28.4/14.2//33.8/14.7	**Temp. Rise @ S.F. Load**	90°C
				Locked-rotor Power Factor	35.2
				Rotor inertia	1.23 lb-ft²

Load Characteristics 380 V, 50 Hz, 7.5 KW

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	48	70	81	84	86	86	85
Efficiency	91.1	93.7	92	91	89.6	87.8	90.2
Speed	1489	1480	1469	1460	1447	1435	1452
Line amperes	6.44	8.63	11.48	14.81	18.51	22.6	17

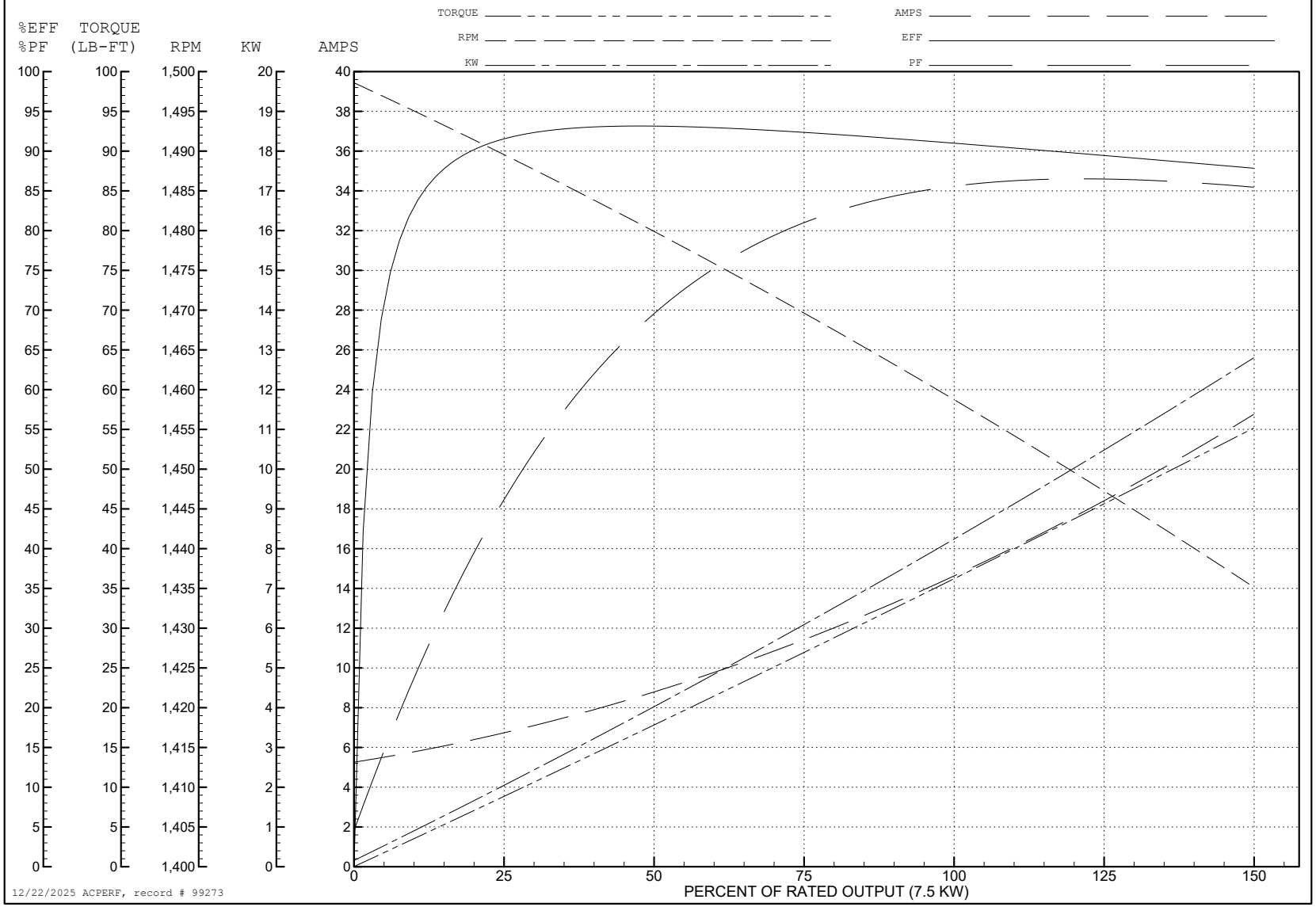
ABB Motors and Mechanical Inc.

WINDING # 07WGX598

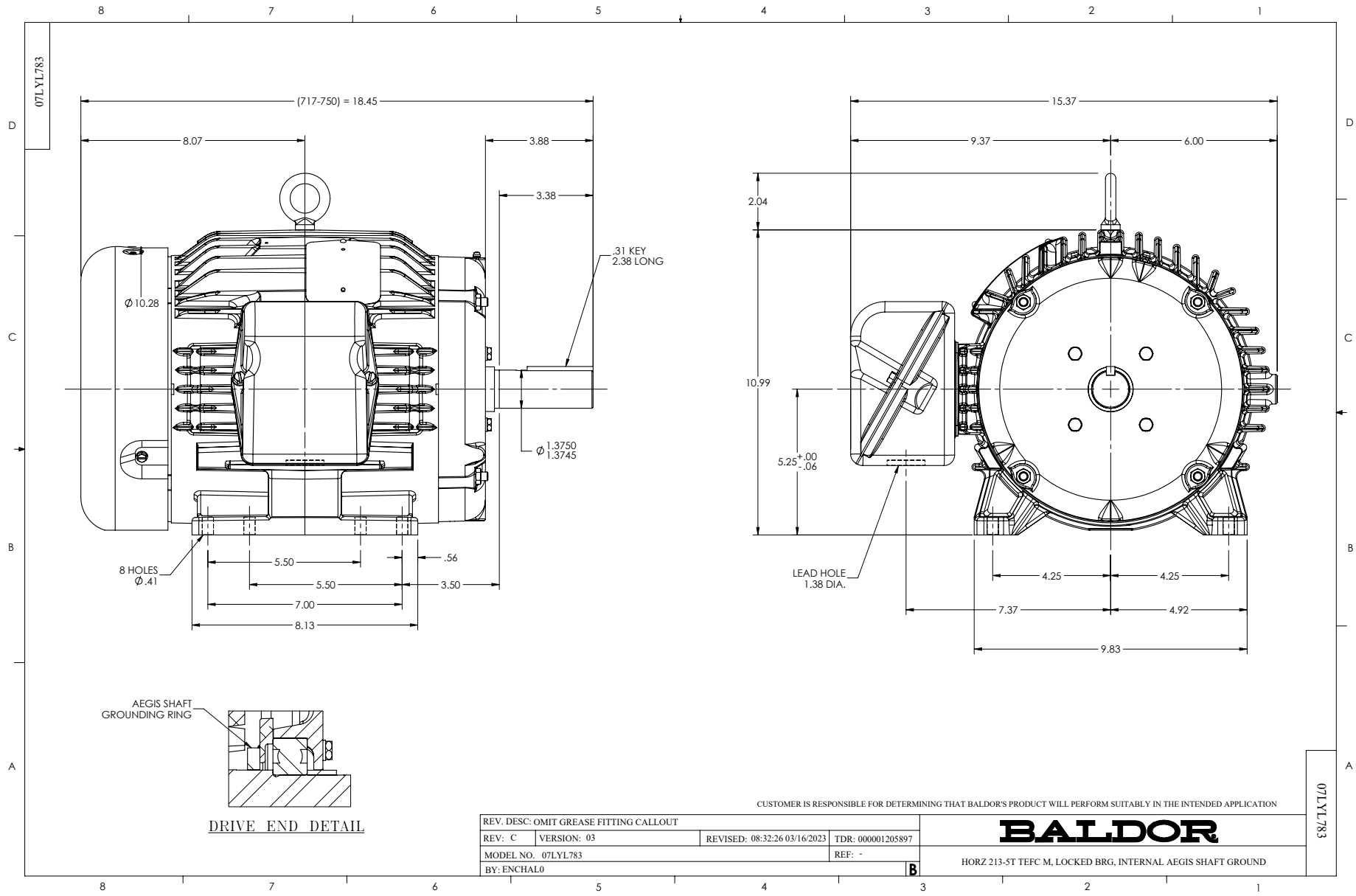
7.5 KW 3 PH 50 HZ 1460 RPM 380 V 0750M

Typical performance - not guaranteed values.

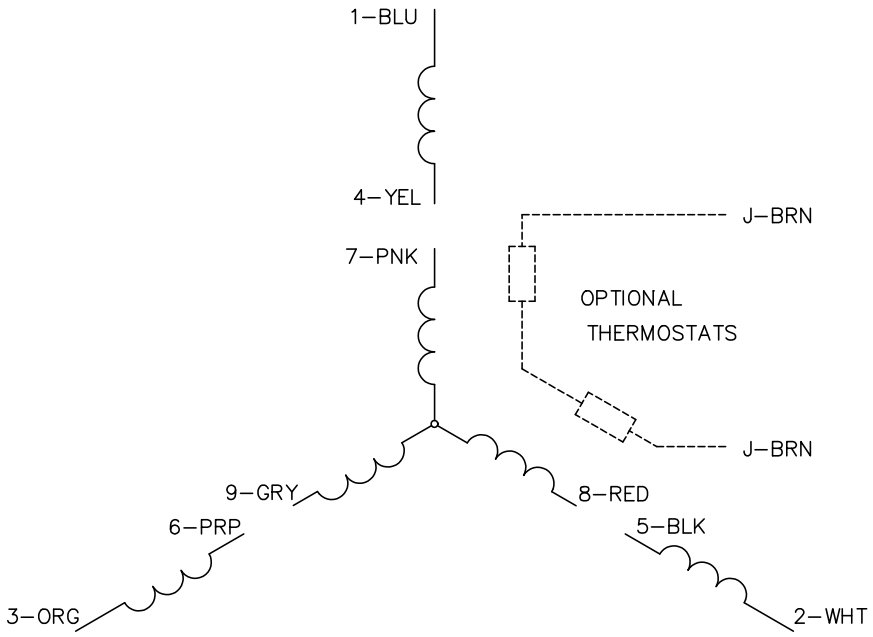
TORQUES(LB-FT): PO=89.9 PU=58.1 LR=64.4 LRA=92.9

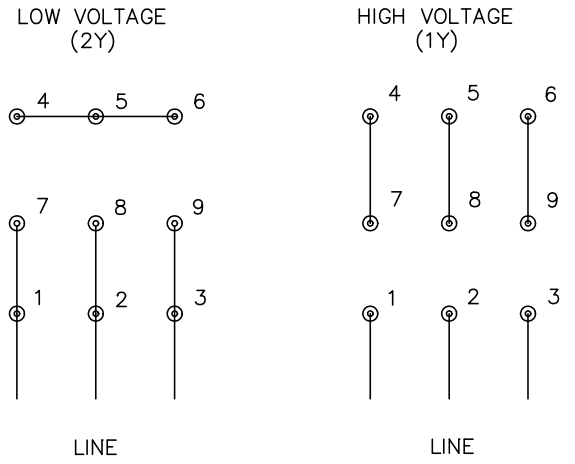


12/22/2025 ACPERF, record # 99273


07LYL783
(717-750) = 18.45
8.07
3.88
3.38
.31 KEY
2.38 LONG
Ø 10.28
Ø 1.3750
1.3745
8 HOLES
Ø .41
5.50
.56
5.50
3.50
7.00
8.13
15.37
9.37
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
AEGIS SHAFT
GROUNDING RING
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: OMIT GREASE FITTING CALLOUT
REV: C
VERSION: 03
REVISED: 08:32:26 03/16/2023
TDR: 000001205897
MODEL NO. 07LYL783
REF: -
BY: ENCHAL0
B
BALDOR
HORZ 213-5T TEFC M, LOCKED BRG, INTERNAL AEGIS SHAFT GROUND
07LYL783

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