ABB BALDOR RELIANCE

Customer information packet

VHECP3774T

10HP, 1760RPM, 3PH, 60HZ, 215HP, 0748M, TEFC
Class - None
Division - Not Applicable

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11/25/2026 6:04:55 AM

Specifications

Enclosure	TEFC
Frame	215HP
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	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	CSA
	CSA EEV
	UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	25.000 A @ 230.0 V
	26.300 A @ 208.0 V
	12.500 A @ 460.0 V
Design Code	A
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	92.4 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Drip Cover Mounting
Front Shaft Indicator	None

Part Detail

Revision	AB
Type	AC
Mech. spec.	07K215
Base	
Status	PRD/A
Elec. spec.	07WGX776
Layout	07LYK215
Eff. date	07-25-2024
CD Diagram	CD0005
Poles	04
Leads	9#14 Y
Proprietary	False
Created date	01-01-0001

Heater Indicator	No Heater
High Voltage Full Load Amps	12.5 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	H
Lifting Lugs	Vertical Lifting Lugs
Locked Bearing Indicator	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	0748M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	22.51 IN
Power Factor	82
Product Family	Chemical Processing (Not DC)
Pulley End Bearing Type	Ball
Pulley Face Code	P-Base
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 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

NP1260								
CAT.NO.	VHECP3774T							
SPEC.	07K215X776							
HP	10							
VOLTS	230/460							
AMP	25/12.5							
RPM	1760							
FRAME	215HP	**HZ**	60		**PH**	3		
SER.F.	1.15	**CODE**	H	**DES**	A	**CL**	F	
NEMA-NOM-EFF	92.4	**PF**	82					
RATING	40C AMB-CONT							
CC	010A							
DE	6309	**ODE**	6206					
ENCL	TEFC	**SN**						

AC Induction Motor Performance Data
Record # 25097
Typical performance - not guaranteed values

Winding: 07WGX776-R016	**Type:** 0748M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			10	**Full Load Torque**	29.8 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			25/12.5	**Breakdown Torque**	87 LB-FT
R.P.M.			1760	**Pull-up Torque**	51.9 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	57.5 LB-FT
NEMA Design Code	A	**KVA Code**	H	**Starting Current**	88.5 A
Service Factor (S.F.)			1.15	**No-load Current**	5.12 A
NEMA Nom. Eff.	92.4	**Power Factor**	82	**Line-line Res. @ 25ºC**	0.973 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	60°C
S.F. Amps				**Temp. Rise @ S.F. Load**	76°C
				Locked-rotor Power Factor	35
				Rotor inertia	1.18 LB-FT2

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	44	67	78	82	84	85	83
Efficiency	90	92.9	93.1	92.5	91.4	90.1	91.8
Speed	1790	1781	1771	1762	1750	1739	1755
Line amperes	5.84	7.52	9.75	12.3	15.2	18.3	14

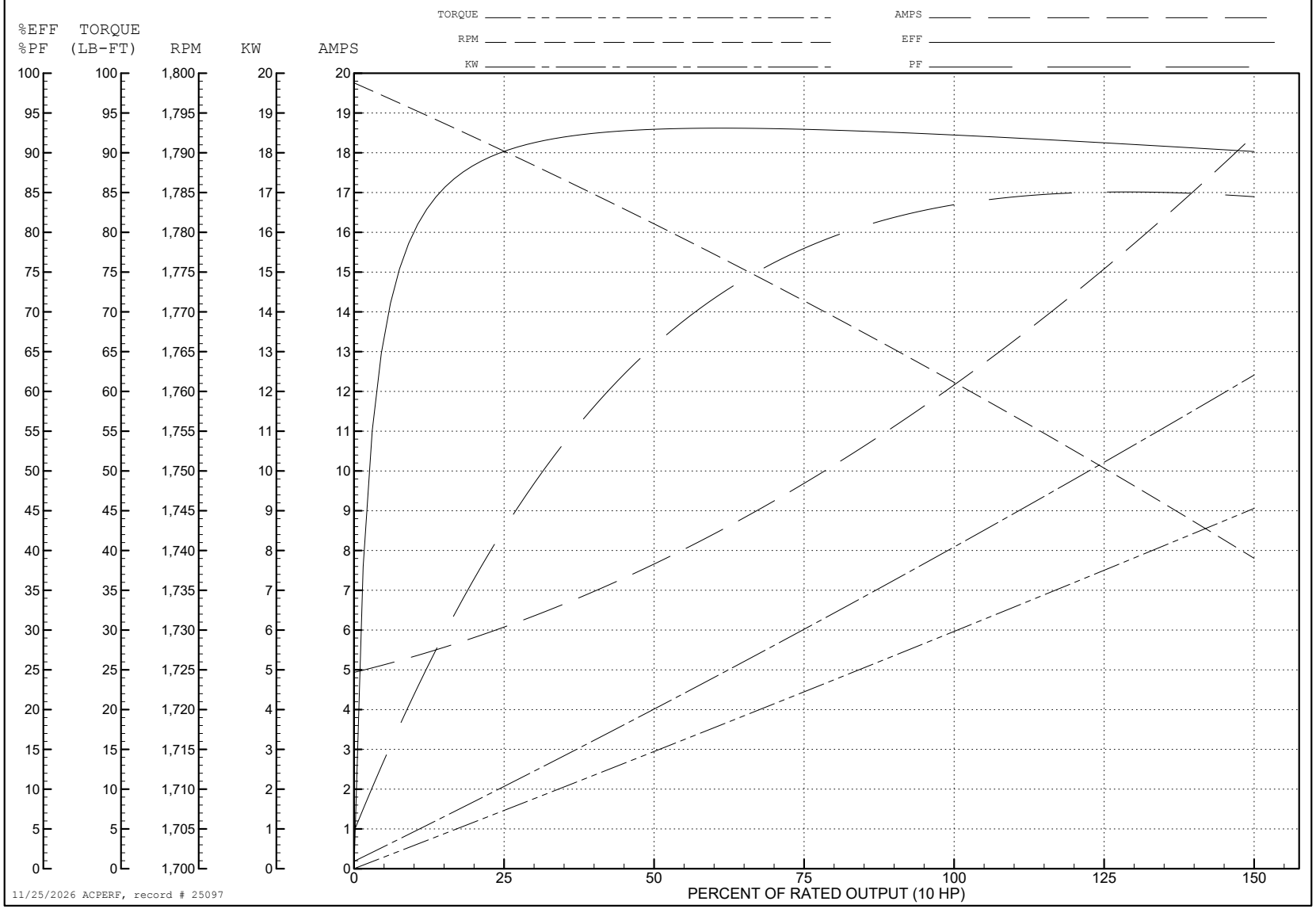
ABB Motors and Mechanical Inc.

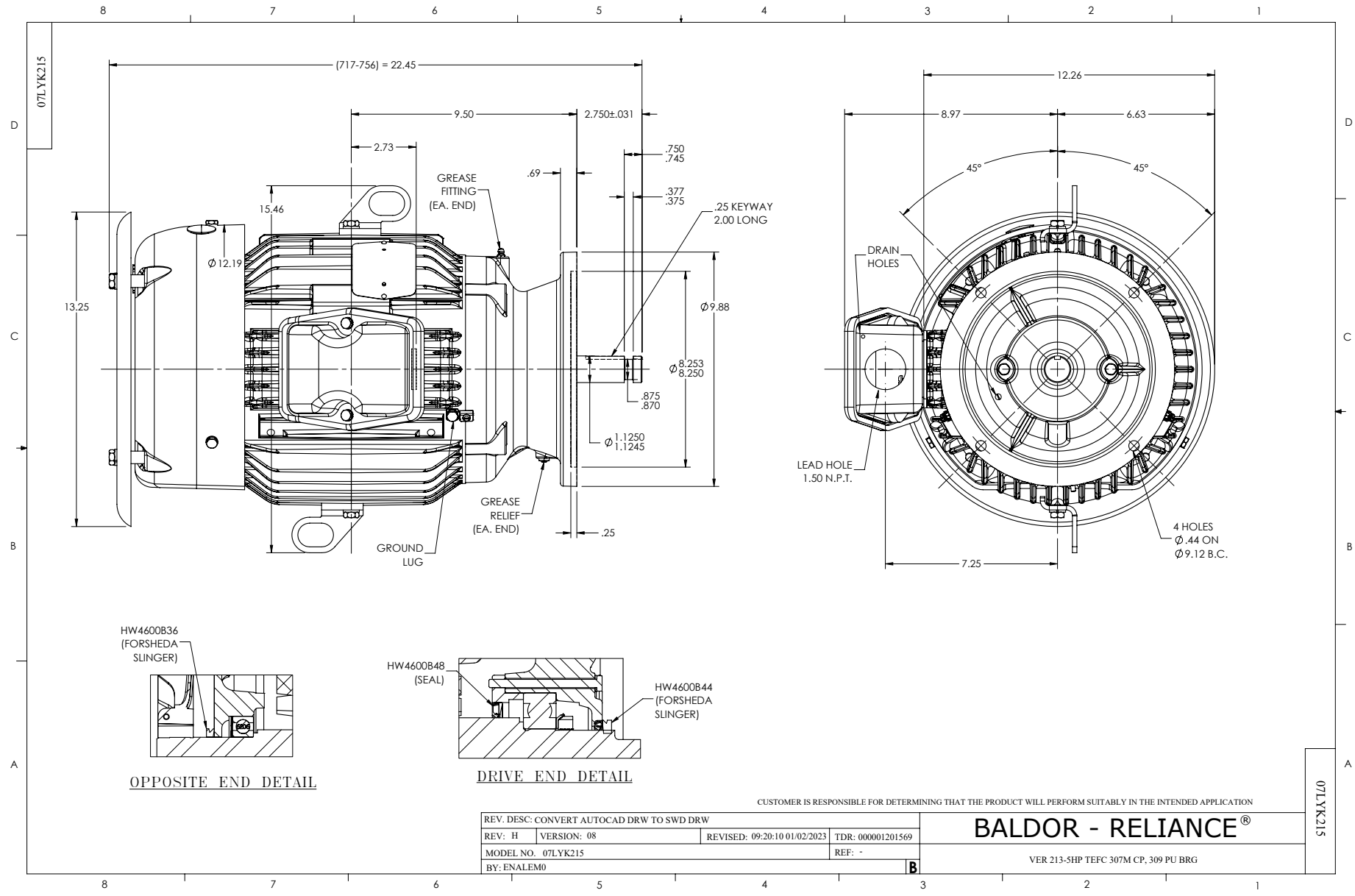
WINDING # 07WGX776

10 HP 3 PH 60 HZ 1760 RPM 460 V 0748M

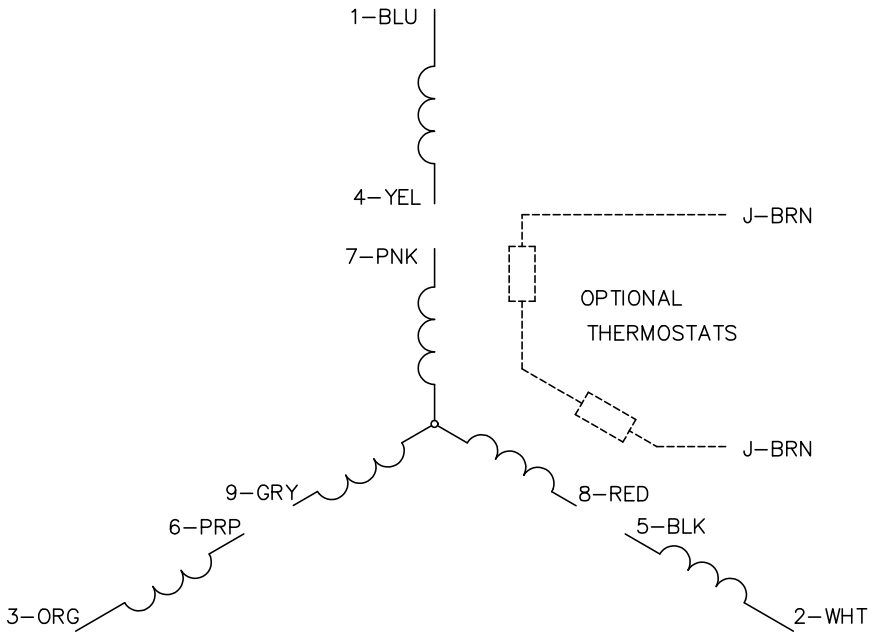
Typical performance - not guaranteed values.

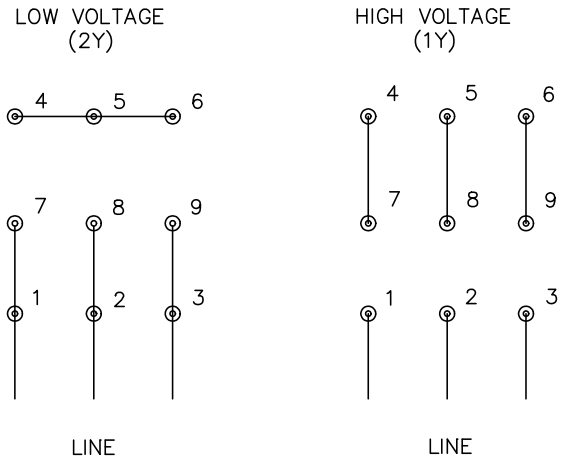
TORQUES(LB-FT): PO=87 PU=51.9 LR=57.5 LRA=88.5




07LYK215
(717-756) = 22.45
9.50
2.750±.031
2.73
.69
.750
.745
.377
.375
GREASE FITTING (EA. END)
.25 KEYWAY 2.00 LONG
15.46
Ø12.19
13.25
Ø9.88
Ø8.253
8.250
.875
.870
Ø1.1250
1.1245
GREASE RELIEF (EA. END)
.25
GROUND LUG
12.26
8.97
6.63
45°
45°
DRAIN HOLES
LEAD HOLE 1.50 N.P.T.
4 HOLES Ø.44 ON Ø9.12 B.C.
7.25
HW4600B36 (FORSHEDA SLINGER)
OPPOSITE END DETAIL
HW4600B48 (SEAL)
HW4600B44 (FORSHEDA SLINGER)
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD DRW TO SWD DRW
REV: H
VERSION: 08
REVISED: 09:20:10 01/02/2023
TDR: 000001201569
MODEL NO. 07LYK215
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
VER 213-5HP TEFC 307M CP, 309 PU BRG
07LYK215

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