ABB BALDOR RELIANCE

Customer information packet

IDVSM3774T

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

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Specifications

Enclosure	TEFC
Frame	215TC
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	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	UR
	CSA
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	12.500 A @ 460.0 V
	25.000 A @ 230.0 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 Face Code	Encoder/Feedback Device
Front Shaft Indicator	No Key Or Flat
Heater Indicator	No Heater
High Voltage Full Load Amps	12.5 a

Part Detail

Revision	P
Type	AC
Mech. spec.	07M288
Base	
Status	PRD/A
Elec. spec.	07WGX776
Layout	07LYM288
Eff. date	09-24-2026
CD Diagram	CD0005
Poles	04
Leads	9#14
Proprietary	False
Created date	09-05-2012

Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	4500 rpm
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	24.59 IN
Power Factor	82
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	1.375 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	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP4615L							
CAT NO	IDVSM3774T						
SPEC.	07M288X776G1				**ENCL**	TEFC	
FRAME	215TC	**HP**	10				
VOLTS	230/460						
MAG CUR	10.2/5.1		**FLA**	25/12.5			
RPM	1760	**RPM MAX**	4500				
HZ	60	**PH**	3	**CLASS**	F		
SER.F.	1.00	**SL HZ**	1.3				
NEMA-NOM-EFF	92.4	**WK2**	1.18				
RATING	40C AMB-CONT						
DE BRG	6307	**ODE BRG**	6206				
CC	010A	**SN**					
	1.5:1 CHP PWM						
	1000:1 CT/VT						

AC Induction Motor Performance Data
Record # 44341
Typical performance - not guaranteed values

Winding: 07WGX776-R056	**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	**No-load Current**	5.12 A
NEMA Nom. Eff.	92.4	**Power Factor**	82	**Line-line Res. @ 25ºC**	0.958 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	60°C
				Locked-rotor Power Factor	35.2
				Rotor inertia	1.18 LB-FT2

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	44	67	78	82	84	85
Efficiency	89.7	92.9	93	92.4	91.2	90.2
Speed	1790	1781	1771	1762	1750	1739
Line amperes	5.84	7.52	9.75	12.3	15.2	18.3

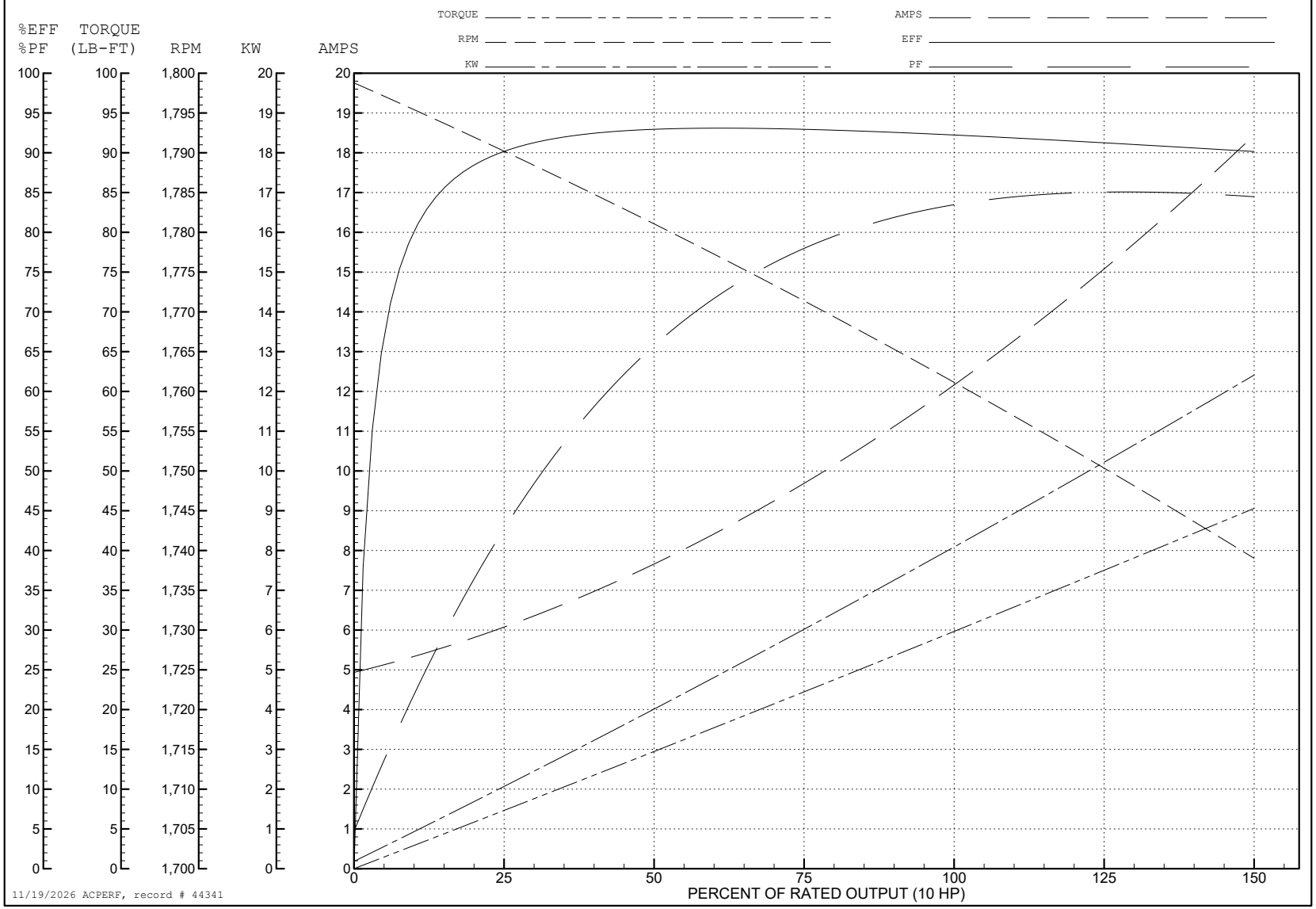
ABB Motors and Mechanical Inc.

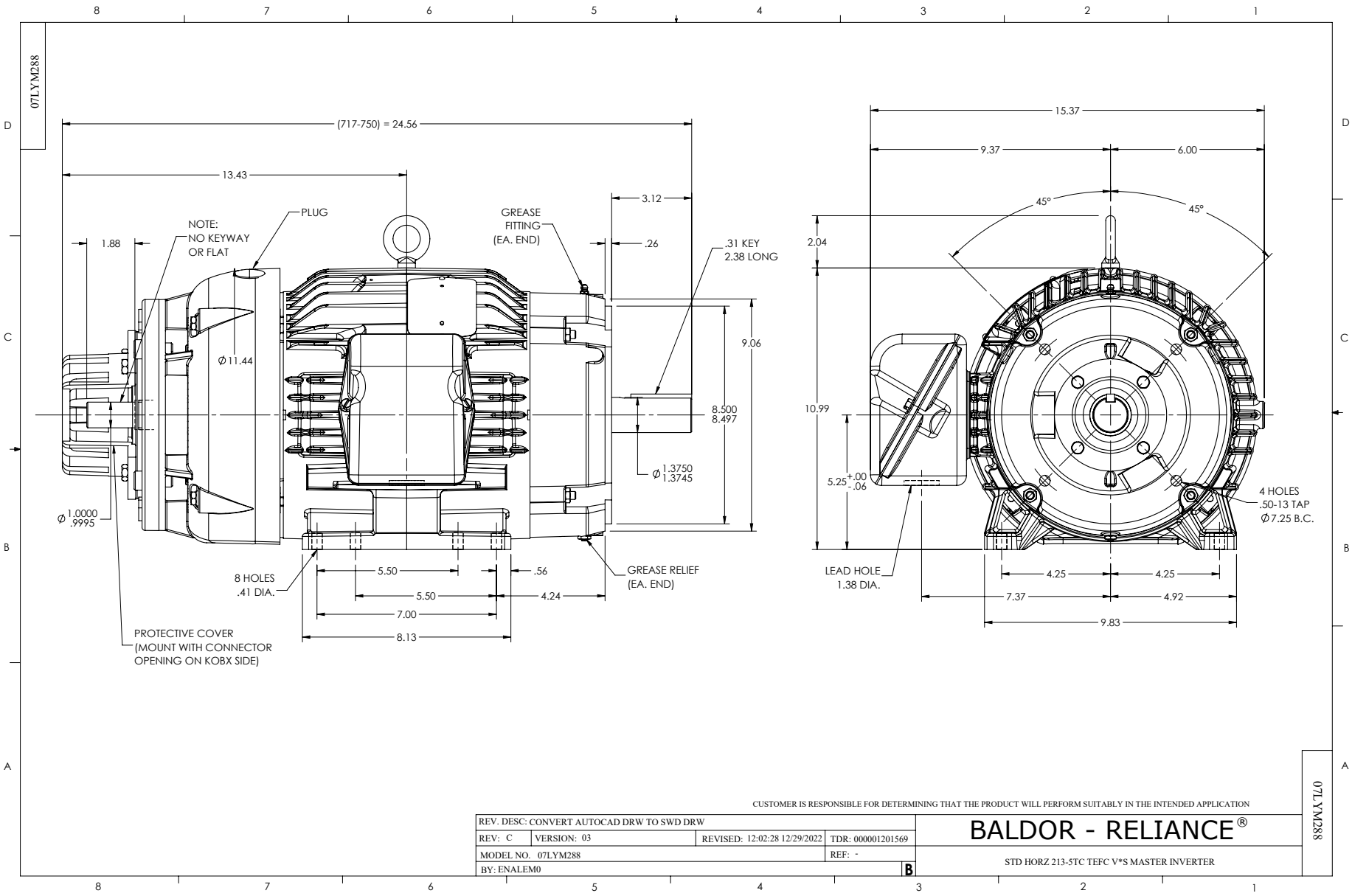
WINDING # 07WGX776

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

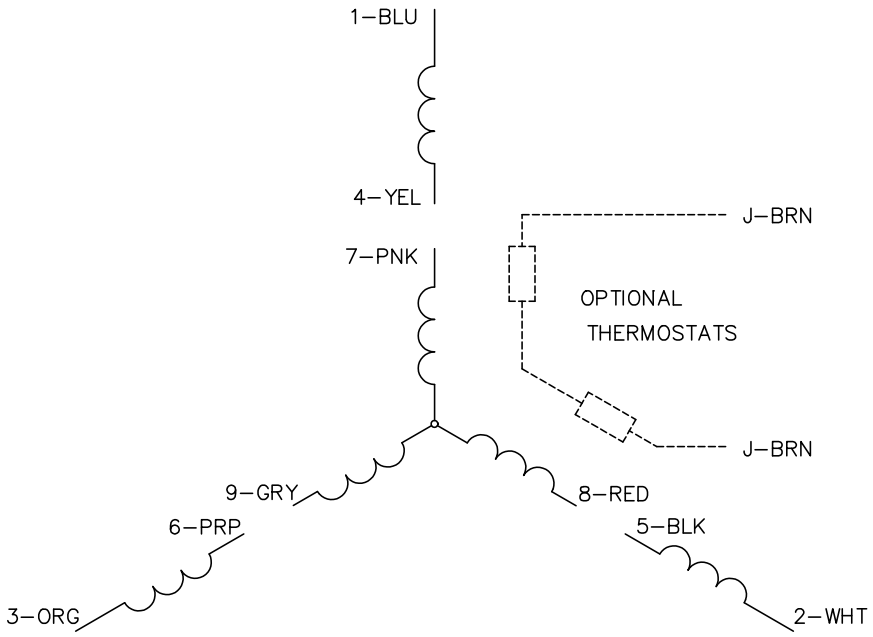
Typical performance - not guaranteed values.

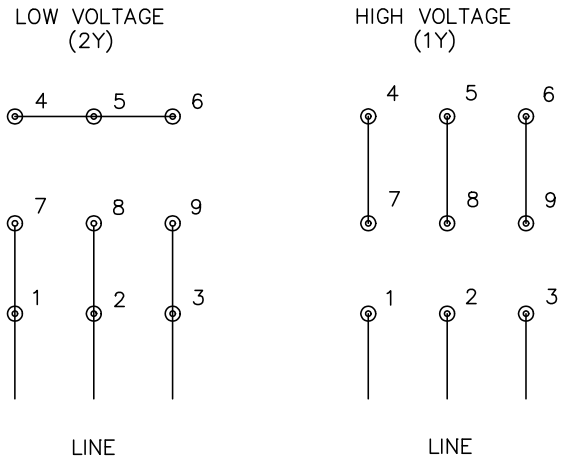
TORQUES(LB-FT): PO=87 PU=51.9 LR=57.5 LRA=88.5




07LYM288
(717-750) = 24.56
13.43
1.88
NOTE:
NO KEYWAY
OR FLAT
PLUG
GREASE
FITTING
(EA. END)
3.12
.26
.31 KEY
2.38 LONG
9.06
8.500
8.497
Ø11.44
Ø 1.0000
.9995
Ø 1.3750
1.3745
8 HOLES
.41 DIA.
5.50
.56
5.50
4.24
7.00
8.13
GREASE RELIEF
(EA. END)
PROTECTIVE COVER
(MOUNT WITH CONNECTOR
OPENING ON KOBX SIDE)
15.37
9.37
6.00
45°
45°
2.04
10.99
5.25 +.00 -.06
4 HOLES
.50-13 TAP
Ø7.25 B.C.
LEAD HOLE
1.38 DIA.
4.25
4.25
7.37
4.92
9.83
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD DRW TO SWD DRW
REV: C
VERSION: 03
REVISED: 12:02:28 12/29/2022
TDR: 000001201569
MODEL NO. 07LYM288
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
STD HORZ 213-5TC TEFC V*S MASTER INVERTER
07LYM288

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