ABB BALDOR RELIANCE

Customer information packet

XM14222T

26M 2P XPFC HOR 145T T'STATS INVERTER
Class - CLI GP D; CLII GP F,G
Division - Division I

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Specifications

Enclosure	XPFC
Frame	145T
Frame Material	Steel
Frequency	50.00 Hz
	60.00 Hz
Haz Area Class and Group	CLI GP D; CLII GP F,G
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	1.500 HP @ 50 HZ
	2.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	380.0 V @ 50 HZ
	230.0 V @ 60 HZ
	190.0 V @ 50 HZ
Agency Approvals	CSA EEV
	UL
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
Constant Torque Speed Range	1.8
Current @ Voltage	5.000 A @ 230.0 V
	4.600 A @ 190.0 V
	2.500 A @ 460.0 V
	2.300 A @ 380.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT

Part Detail

Revision	D
Type	AC
Mech. spec.	35Q558
Base	
Status	PRD/A
Elec. spec.	35WGL739
Layout	35LYQ558
Eff. date	04-29-2021
CD Diagram	CD0005
Poles	02
Leads	9#18
Proprietary	False
Created date	12-13-2018

Efficiency @ 100% Load	85.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	2.3 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	NONE
KVA Code	M
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Max Speed	5400 rpm
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	X3526M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	15.21 IN
Power Factor	88
Product Family	Hazardous Location Motor
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS NON-COMPLIANT
Service Factor	1.00
Shaft Diameter	0.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	2890 rpm

	3490 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

NP0887XPSLEV											
NO.				**CC**	010A						
S/N				**TEMP CODE**	T3C						
SPEC.	35Q558L739G1			**INV.TYPE**	PWM						
CAT.NO.	XM14222T			**C HP FR**	60	**C HP TO**	90				
HP	2//1.5			**CT HZ FROM**	1.8			**CT HZ TO**	60		
VOLTS	230/460//190/380			**VT HZ FROM**	1.8			**VT HZ TO**	60		
AMPS	5/2.5//4.6/2.3		**MAG CUR**	1.8/.9							
RPM	3490//2890		**MX RPM**	5400							
HZ	60//50	**PH**	3	**CL**	F	**NOM.EFF.**	85.5				
SER.F.	1.00	**DES**	B	**SL HZ**	1.8	**WK2**	0.07				
FRAME	145T	**RATING**	40C AMB-CONT								
	55C AMB AT 1.00 SF SINEWAVE										
	NEMA MG-1 PART 5, IP54			1.15 SF SINEWAVE							

AC Induction Motor Performance Data
Record # 73835
Typical performance - not guaranteed values

Winding: 35WGL739-R028	**Type:** 3526M	**Enclosure:** XPFC

Nameplate Data			
Rated Output (HP)			2//1.5
Volts			230/460//190/380
Full Load Amps			5/2.5//4.6/2.3
R.P.M.			3490//2890
Hz	60//50	**Phase**	3
NEMA Design Code	B	**KVA Code**	M
Service Factor (S.F.)			1
NEMA Nom. Eff.	85.5	**Power Factor**	88
Rating - Duty			40C AMB-CONT

460 V, 60 Hz: High Voltage, High Speed Connection	
Full Load Torque	2.98 LB-FT
Start Configuration	direct on line
Breakdown Torque	14.2 LB-FT
Pull-up Torque	6.33 LB-FT
Locked-rotor Torque	11.2 LB-FT
Starting Current	25.9 A
No-load Current	0.912 A
Line-line Res. @ 25ºC	6.88 Ω
Temp. Rise @ Rated Load	44°C
Locked-rotor Power Factor	49.9
Rotor inertia	0.0719 LB-FT2

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	55	75	84	88	90	91
Efficiency	73.4	83.6	85.7	86.3	85.7	84.6
Speed	3572	3547	3520	3492	3461	3426
Line amperes	1.1	1.47	1.93	2.44	3	3.61

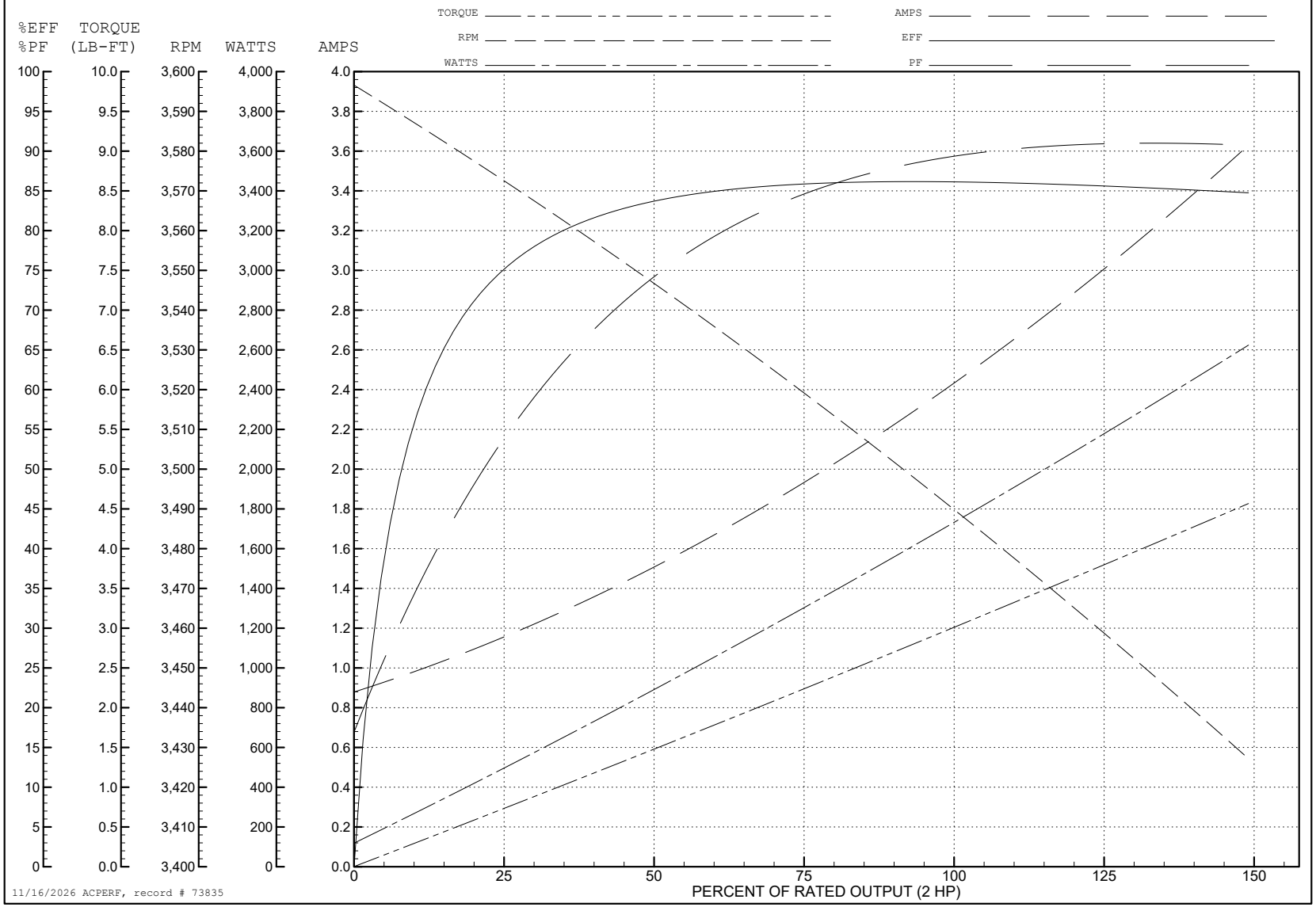
ABB Motors and Mechanical Inc.

WINDING # 35WGL739

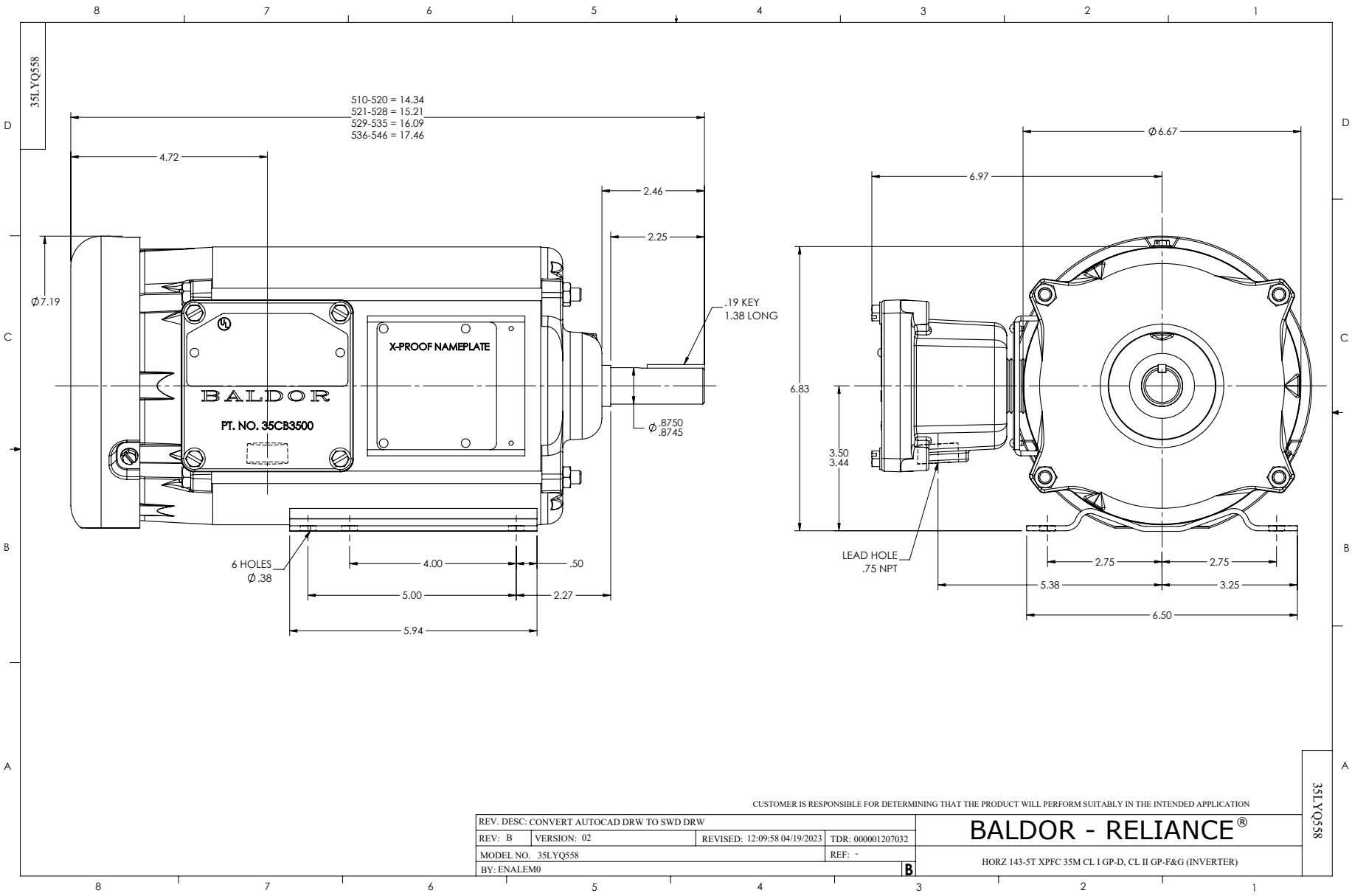
2 HP 3 PH 60 HZ 3492 RPM 460 V 3526M

Typical performance - not guaranteed values.

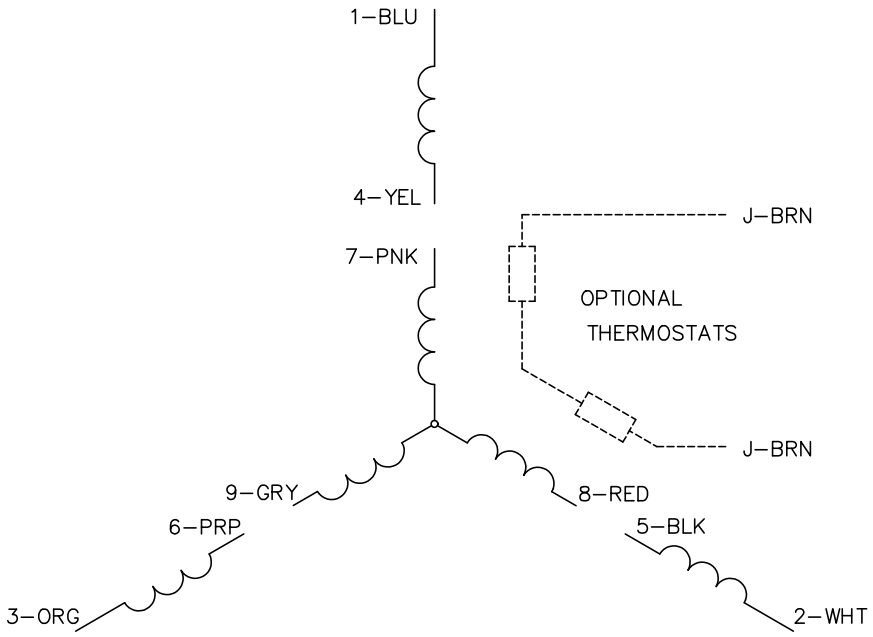
TORQUES(LB-FT): PO=14.2 PU=6.33 LR=11.2 LRA=25.9

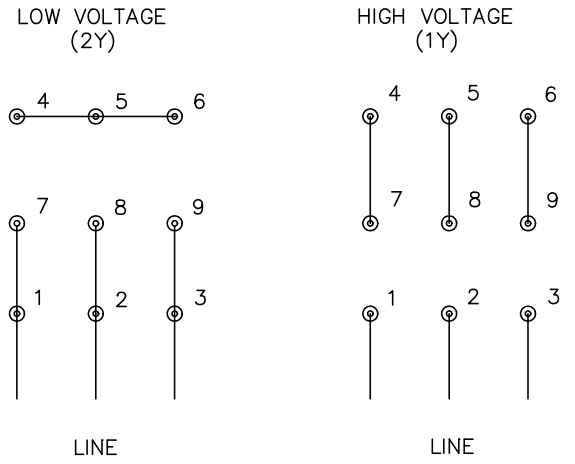


11/16/2026 ACPERF, record # 73835


35LYQ558
510-520 = 14.34
521-528 = 15.21
529-535 = 16.09
536-546 = 17.46
4.72
2.46
2.25
Ø7.19
.19 KEY
1.38 LONG
X-PROOF NAMEPLATE
BALDOR
PT. NO. 35CB3500
Ø .8750
.8745
6 HOLES
Ø .38
4.00
.50
5.00
2.27
5.94
Ø 6.67
6.97
6.83
3.50
3.44
LEAD HOLE
.75 NPT
2.75
2.75
5.38
3.25
6.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD DRW TO SWD DRW
REV: B
VERSION: 02
REVISED: 12:09:58 04/19/2023
TDR: 000001207032
MODEL NO. 35LYQ558
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HORZ 143-5T XPFC 35M CL I GP-D, CL II GP-F&G (INVERTER)
35LYQ558

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