ABB BALDOR RELIANCE

Customer information packet

IDXM7034T

1.5HP, 1760RPM, 3PH, 60HZ, 145TC, 3526M, XPFC
Class - CLI GP D; CLII GP F,G
Division - Division I

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11/18/2026 8:29:30 AM

Specifications

Enclosure	XPFC
Frame	145TC
Frame Material	Steel
Frequency	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 @ 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	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Constant Torque Speed Range	6
Current @ Voltage	2.200 A @ 460.0 V
	4.400 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	K
Type	AC
Mech. spec.	35N256
Base	
Status	NLA/A
Elec. spec.	35WGM493
Layout	35LYN256
Eff. date	02-13-2023
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	11-04-2013

Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	2.2 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3526M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	15.21 IN
Power Factor	73
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	0.875 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

NP0887XPSLEV											
NO.				**CC**	010A						
S/N				**TEMP CODE**	T3C						
SPEC.	35N256M493G1			**INV.TYPE**	PWM						
CAT.NO.	IDXM7034T			**C HP FR**	60	**C HP TO**	90				
HP	1.5			**CT HZ FROM**	6			**CT HZ TO**	60		
VOLTS	230/460			**VT HZ FROM**	6			**VT HZ TO**	60		
AMPS	4.4/2.2		**MAG CUR**	2.8/1.4							
RPM	1760		**MX RPM**	2700							
HZ	60	**PH**	3	**CL**	F	**NOM.EFF.**	86.5				
SER.F.	1.00	**DES**	B	**SL HZ**	1.3	**WK2**	0.154				
FRAME	145TC	**RATING**	40C AMB-CONT								
	55C RISE										

AC Induction Motor Performance Data
Record # 43879
Typical performance - not guaranteed values

Winding: 35WGM493-R024	**Type:** 3526M	**Enclosure:** XPFC

Nameplate Data				**460 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			1.5	**Full Load Torque**	4.47 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			4.4/2.2	**Breakdown Torque**	19.13 LB-FT
R.P.M.			1760	**Pull-up Torque**	9.4 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	13.4 LB-FT
NEMA Design Code	B	**KVA Code**	L	**Starting Current**	18.3 A
Service Factor (S.F.)			1	**No-load Current**	1.37 A
NEMA Nom. Eff.	86.5	**Power Factor**	73	**Line-line Res. @ 25ºC**	10.1 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	45°C
				Locked-rotor Power Factor	51.5
				Rotor inertia	0.154 LB-FT2

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	32	52	66	74	79	83
Efficiency	72.5	82.2	85	85.7	85.4	84.3
Speed	1790	1781	1770	1759	1747	1734
Line amperes	1.45	1.62	1.88	2.21	2.61	3.01

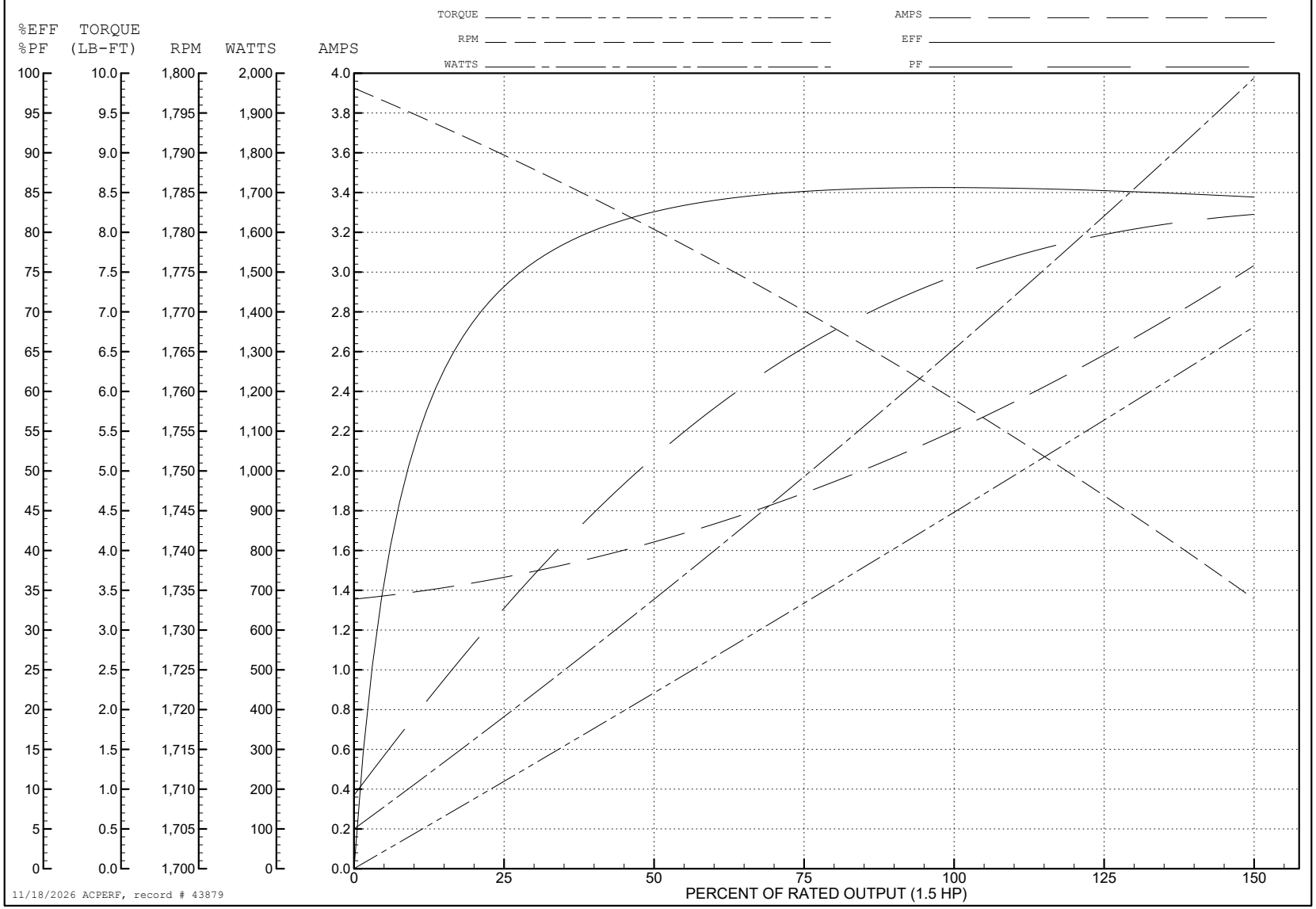
ABB Motors and Mechanical Inc.

WINDING # 35WGM493

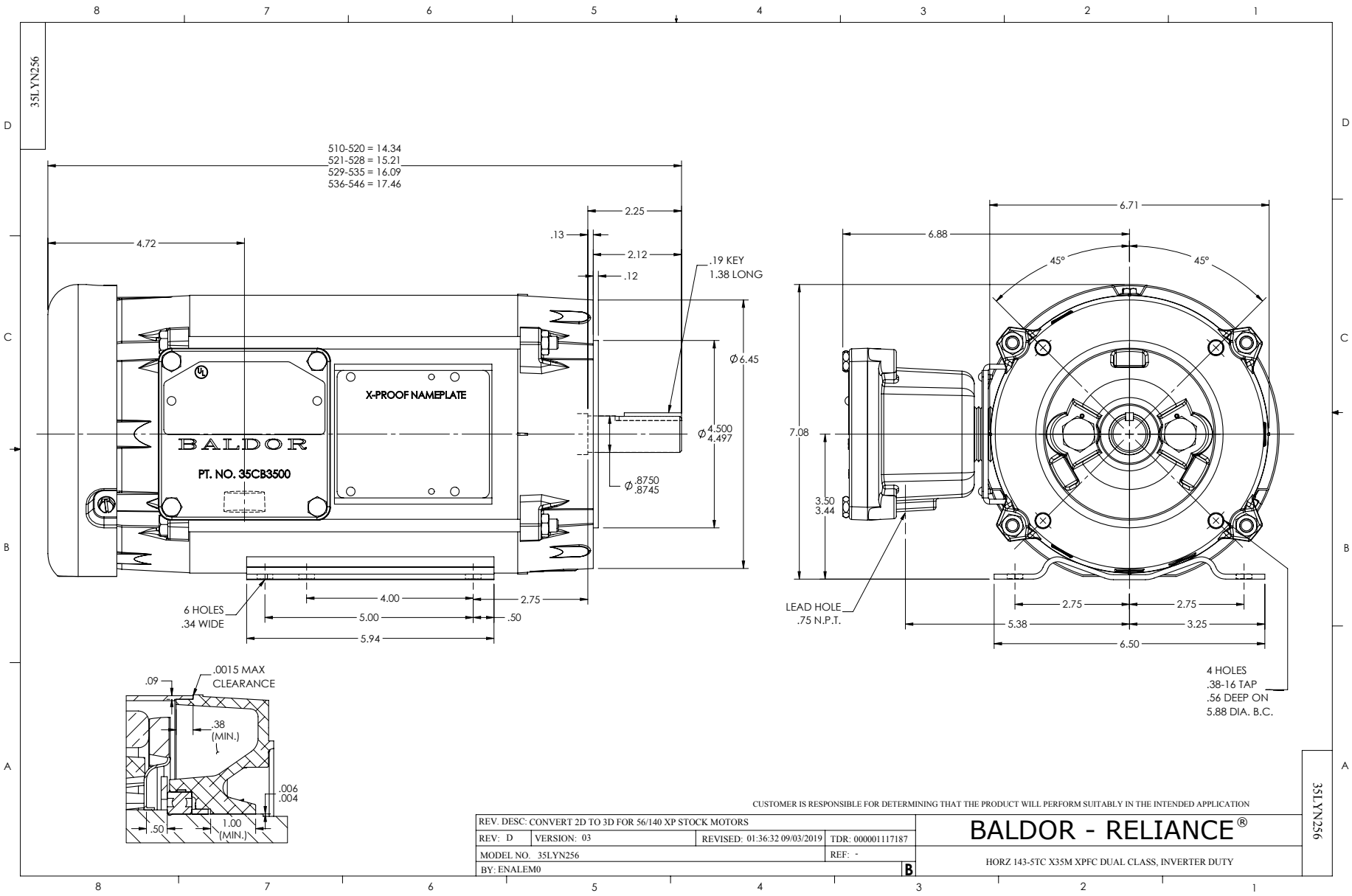
1.5 HP 3 PH 60 HZ 1760 RPM 460 V 3526M

Typical performance - not guaranteed values.

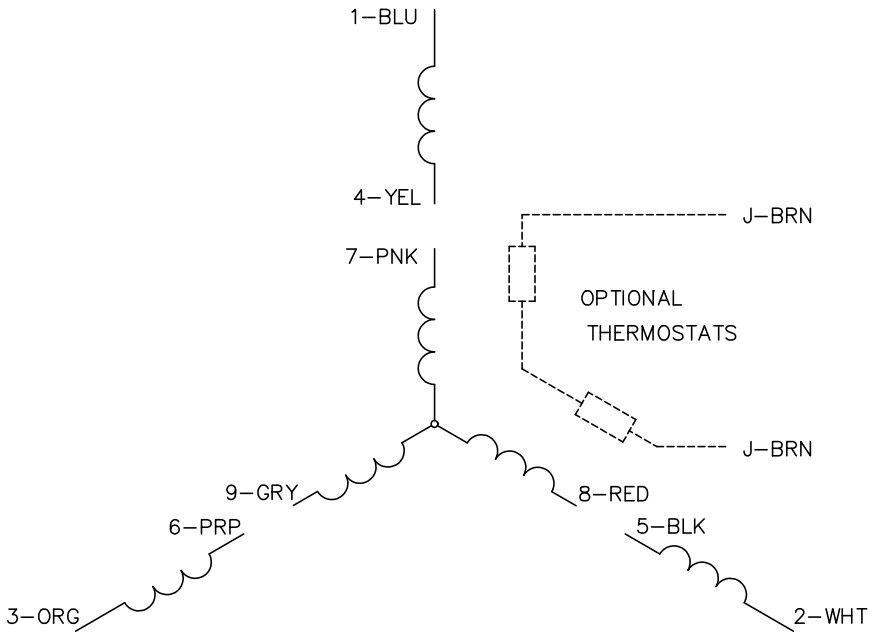
TORQUES(LB-FT): PO=19.13 PU=9.4 LR=13.4 LRA=18.3

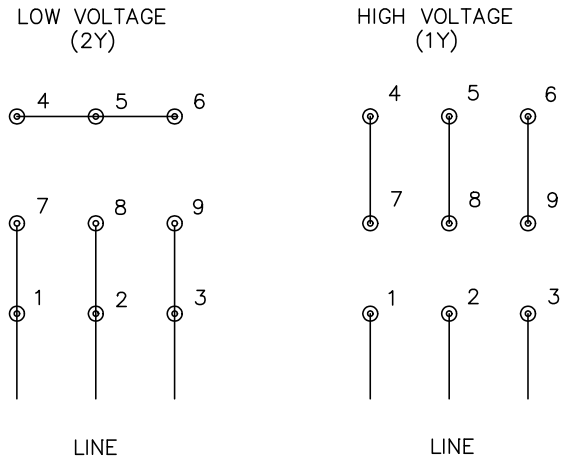


11/18/2026 ACPERF, record # 43879


35LYN256
510-520 = 14.34
521-528 = 15.21
529-535 = 16.09
536-546 = 17.46
4.72
2.25
.13
2.12
.12
.19 KEY
1.38 LONG
Ø6.45
Ø4.500
4.497
Ø.8750
.8745
X-PROOF NAMEPLATE
BALDOR
PT. NO. 35CB3500
6 HOLES
.34 WIDE
4.00
5.00
5.94
2.75
.50
6.71
6.88
45°
45°
7.08
3.50
3.44
LEAD HOLE
.75 N.P.T.
2.75
2.75
5.38
3.25
6.50
4 HOLES
.38-16 TAP
.56 DEEP ON
5.88 DIA. B.C.
.09
.0015 MAX
CLEARANCE
.38
(MIN.)
.006
.004
.50
1.00
(MIN.)
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT 2D TO 3D FOR 56/140 XP STOCK MOTORS
REV: D
VERSION: 03
REVISED: 01:36:32 09/03/2019
TDR: 000001117187
MODEL NO. 35LYN256
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HORZ 143-5TC X35M XPFC DUAL CLASS, INVERTER DUTY
35LYN256

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