ABB BALDOR RELIANCE

Customer information packet

CBXMN18242T

2//1.5HP, 1760//1470RPM, 3PH, 60HZ, 182TC, 36
Class - CLI GP D; CLII GP F,G
Division - Division I

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11/15/2026 5:12:16 AM

Specifications

Enclosure	XPNV
Frame	182TC
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	2.000 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	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	6
Current @ Voltage	5.400 A @ 230.0 V
	5.000 A @ 190.0 V
	2.700 A @ 460.0 V
	2.500 A @ 380.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	87.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C

Part Detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	36WGY459
Layout	36LYM726
Eff. date	03-16-2026
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	03-29-2021

Heater Indicator	No Heater
High Voltage Full Load Amps	2.5 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	NONE
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3630M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	23.24 IN
Power Factor	79
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
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.	36-0000-0499			**INV.TYPE**	PWM						
CAT.NO.	CBXMN18242T			**C HP FR**	60	**C HP TO**	90				
HP	2//1.5			**CT HZ FROM**	6			**CT HZ TO**	60		
VOLTS	230/460//190/380			**VT HZ FROM**	6			**VT HZ TO**	60		
AMPS	5.4/2.7//5/2.5		**MAG CUR**	2.9/1.45							
RPM	1760//1470		**MX RPM**	2700							
HZ	60//50	**PH**	3	**CL**	F	**NOM.EFF.**	87.5				
SER.F.	1.15	**DES**	B	**SL HZ**	1.3	**WK2**	0.28				
FRAME	182TC	**RATING**	40C AMB-CONT								
	1.15 SF ON SINE WAVE										

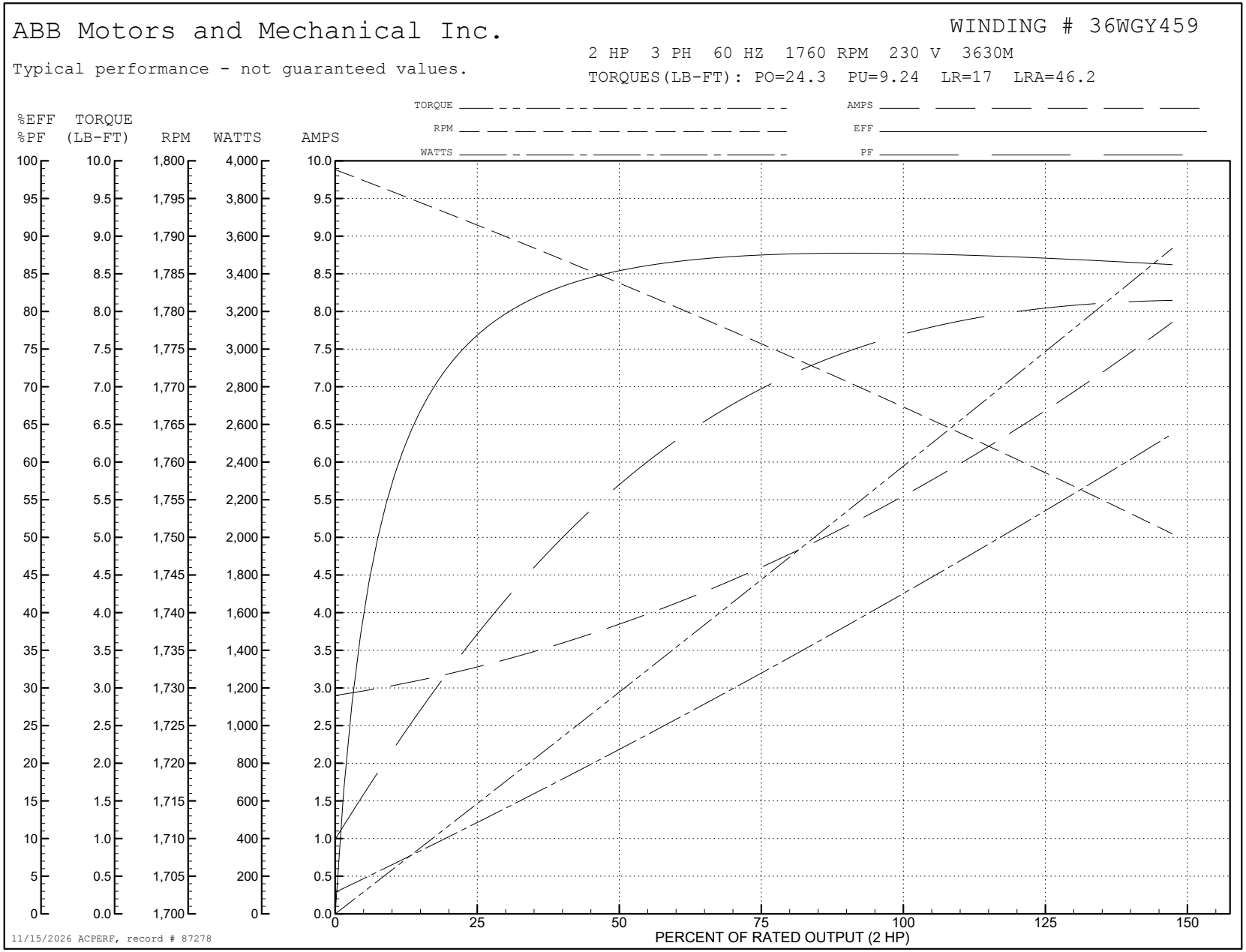
AC Induction Motor Performance Data
Record # 87278
Typical performance - not guaranteed values

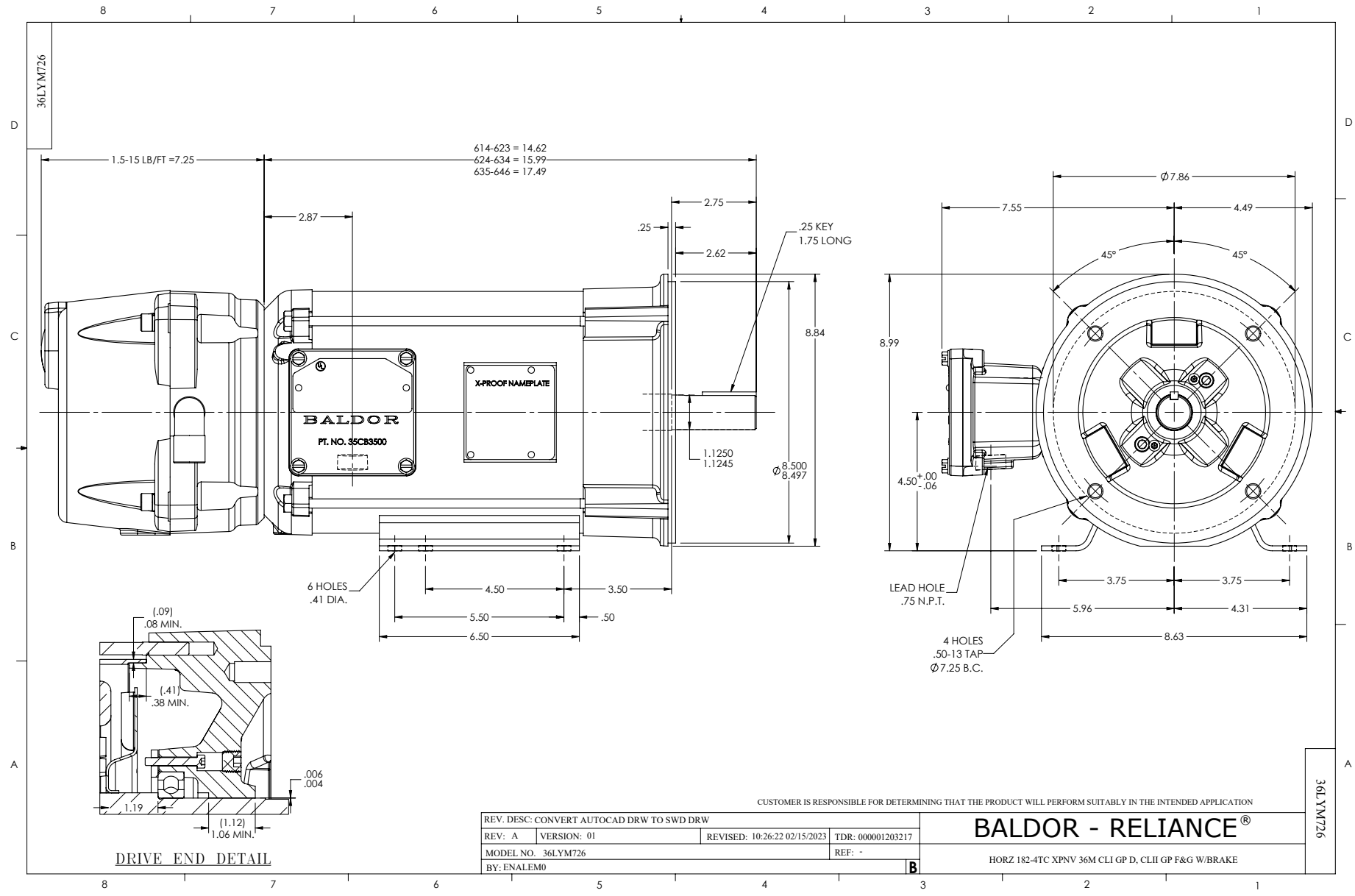
Winding: 36WGY459-R001	**Type:** 3630M	**Enclosure:** TENV

Nameplate Data				**230 V, 60 Hz: Low Voltage Connection**	
Rated Output (HP)			2	**Full Load Torque**	5.963 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			5.8-5.4/2.7	**Breakdown Torque**	24.3 LB-FT
R.P.M.			1760	**Pull-up Torque**	9.24 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	17 LB-FT
NEMA Design Code	B	**KVA Code**	L	**Starting Current**	46.2 A
Service Factor (S.F.)			1.15	**No-load Current**	2.94 A
NEMA Nom. Eff.	87.5	**Power Factor**	79	**Line-line Res. @ 25ºC**	1.3303 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	50°C
S.F. Amps				**Temp. Rise @ S.F. Load**	55°C
				Locked-rotor Power Factor	42.3

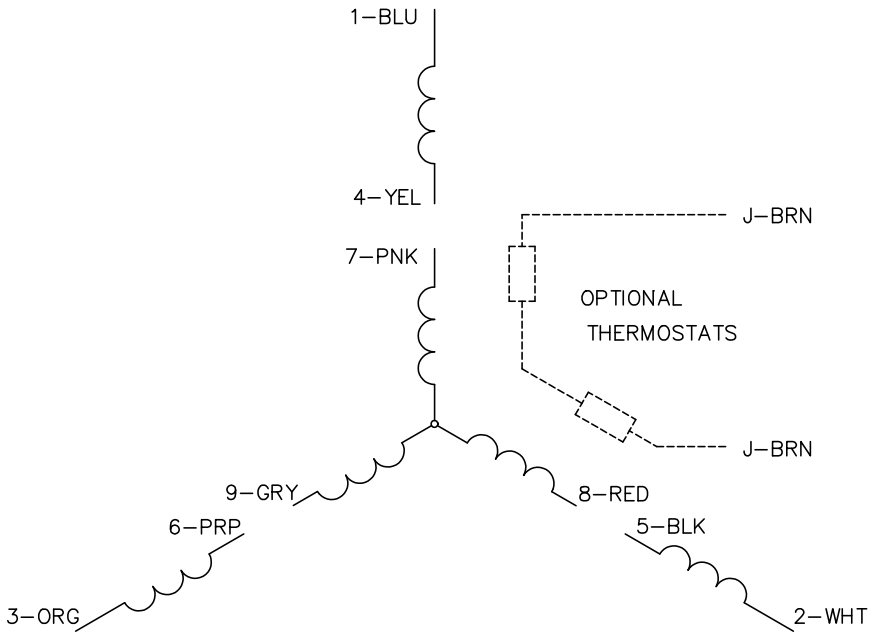
Load Characteristics 230 V, 60 Hz, 2 HP

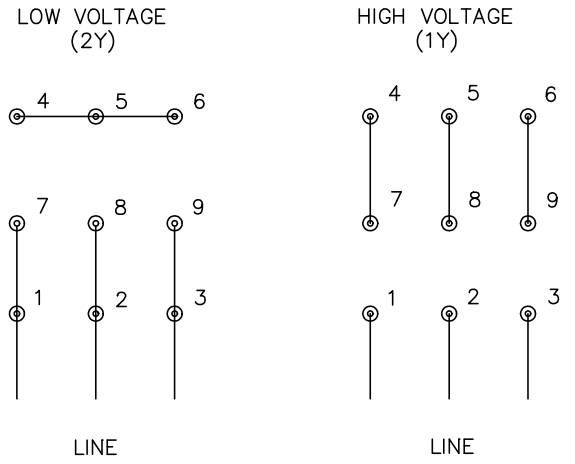
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	38	58	69	77	79	82	78
Efficiency	77.4	85.6	87.2	87.3	87.9	85.9	87.7
Speed	1792	1784	1777	1764	1760	1751	1762
Line amperes	3.24	3.85	4.65	5.569	6.61	7.83	6.19


ABB Motors and Mechanical Inc.
WINDING # 36WGY459
2 HP 3 PH 60 HZ 1760 RPM 230 V 3630M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=24.3 PU=9.24 LR=17 LRA=46.2
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (2 HP)
11/15/2026 ACPERF, record # 87278


36LYM726
1.5-15 LB/FT =7.25
614-623 = 14.62
624-634 = 15.99
635-646 = 17.49
2.87
2.75
.25
2.62
.25 KEY
1.75 LONG
8.84
BALDOR
PT. NO. 35CB3500
X-PROOF NAMEPLATE
1.1250
1.1245
Ø8.500
8.497
6 HOLES
.41 DIA.
4.50
3.50
5.50
.50
6.50
Ø7.86
7.55
4.49
45°
45°
8.99
4.50 +.00 -.06
LEAD HOLE
.75 N.P.T.
3.75
3.75
5.96
4.31
8.63
4 HOLES
.50-13 TAP
Ø7.25 B.C.
(.09)
.08 MIN.
(.41)
.38 MIN.
.006
.004
1.19
(1.12)
1.06 MIN.
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: A
VERSION: 01
REVISED: 10:26:22 02/15/2023
TDR: 000001203217
MODEL NO. 36LYM726
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HORZ 182-4TC XPNV 36M CLI GP D, CLII GP F&G W/BRAKE
36LYM726

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