

**BALDOR • RELIANCE**

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# Customer information packet

## CBXMN18242T

2//1.5HP, 1760//1470RPM, 3PH, 60HZ, 182TC, 36

Class - CLI GP D; CLII GP F,G

Division - Division I

## Specifications

Enclosure	XPNV
Frame	182TC
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	CL I GP D; CL II 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

<b>Heater Indicator</b>	No Heater
<b>High Voltage Full Load Amps</b>	2.5 a
<b>Insulation Class</b>	F
<b>Inverter Code</b>	Inverter Duty
<b>IP Rating</b>	NONE
<b>KVA Code</b>	L
<b>Lifting Lugs</b>	No Lifting Lugs
<b>Locked Bearing Indicator</b>	Locked Bearing
<b>Max Speed</b>	2700 rpm
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3630M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	23.24 IN
<b>Power Factor</b>	79
<b>Product Family</b>	General Purpose
<b>Pulley Face Code</b>	C-Face
<b>Rodent Screen</b>	None
<b>Service Factor</b>	1.15
<b>Shaft Diameter</b>	1.125 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Speed</b>	1760 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Direct on line
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	Normally Closed Thermostat
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	None
<b>Winding Thermal 2</b>	None

**Nameplate**

**NP0887XPSLEV**

<b>NO.</b>		<b>CC</b>	010A		
<b>S/N</b>		<b>TEMP CODE</b>	T3C		
<b>SPEC.</b>	36-0000-0499	<b>INV.TYPE</b>	PWM		
<b>CAT.NO.</b>	CBXMN18242T	<b>C HP FR</b>	60	<b>C HP TO</b>	90
<b>HP</b>	2//1.5	<b>CT HZ FROM</b>	6	<b>CT HZ TO</b>	60
<b>VOLTS</b>	230/460//190/380	<b>VT HZ FROM</b>	6	<b>VT HZ TO</b>	60
<b>AMPS</b>	5.4/2.7//5/2.5	<b>MAG CUR</b>	2.9/1.45		
<b>RPM</b>	1760//1470	<b>MX RPM</b>	2700		
<b>HZ</b>	60//50	<b>PH</b>	3	<b>CL</b>	F
		<b>NOM.EFF.</b>	87.5		
<b>SER.F.</b>	1.15	<b>DES</b>	B	<b>SL HZ</b>	1.3
		<b>WK2</b>	0.28		
<b>FRAME</b>	182TC	<b>RATING</b>	40C AMB-CONT		
	1.15 SF ON SINE WAVE				

**AC Induction Motor Performance Data**

Record # 87278

Typical performance - not guaranteed values

<b>Winding: 36WGY459-R001</b>		<b>Type: 3630M</b>		<b>Enclosure: TENV</b>	
<b>Nameplate Data</b>			<b>230 V, 60 Hz: Low Voltage Connection</b>		
<b>Rated Output (HP)</b>	2	<b>Full Load Torque</b>	5.963 LB-FT		
<b>Volts</b>	208-230/460	<b>Start Configuration</b>	direct on line		
<b>Full Load Amps</b>	5.8-5.4/2.7	<b>Breakdown Torque</b>	24.3 LB-FT		
<b>R.P.M.</b>	1760	<b>Pull-up Torque</b>	9.24 LB-FT		
<b>Hz</b>	60 <b>Phase</b>	3	<b>Locked-rotor Torque</b>	17 LB-FT	
<b>NEMA Design Code</b>	<b>B KVA Code</b>	L	<b>Starting Current</b>	46.2 A	
<b>Service Factor (S.F.)</b>	1.15	<b>No-load Current</b>	2.94 A		
<b>NEMA Nom. Eff.</b>	87.5 <b>Power Factor</b>	79	<b>Line-line Res. @ 25°C</b>	1.3303 Ω	
<b>Rating - Duty</b>	40C AMB-CONT	<b>Temp. Rise @ Rated Load</b>	50°C		
<b>S.F. Amps</b>		<b>Temp. Rise @ S.F. Load</b>	55°C		
		<b>Locked-rotor Power Factor</b>	42.3		

**Load Characteristics 230 V, 60 Hz, 2 HP**

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

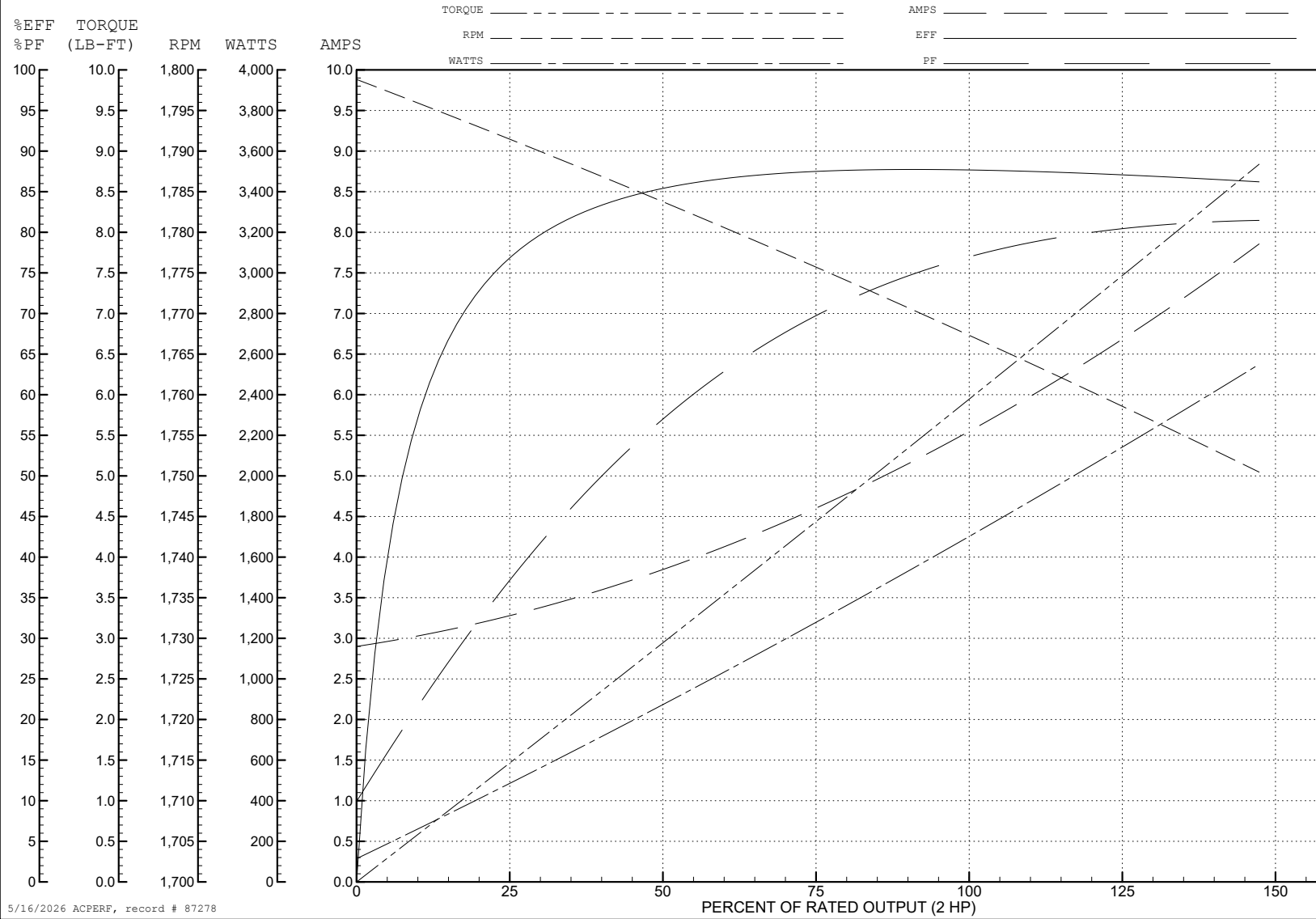
ABB Motors and Mechanical Inc.

WINDING # 36WGY459

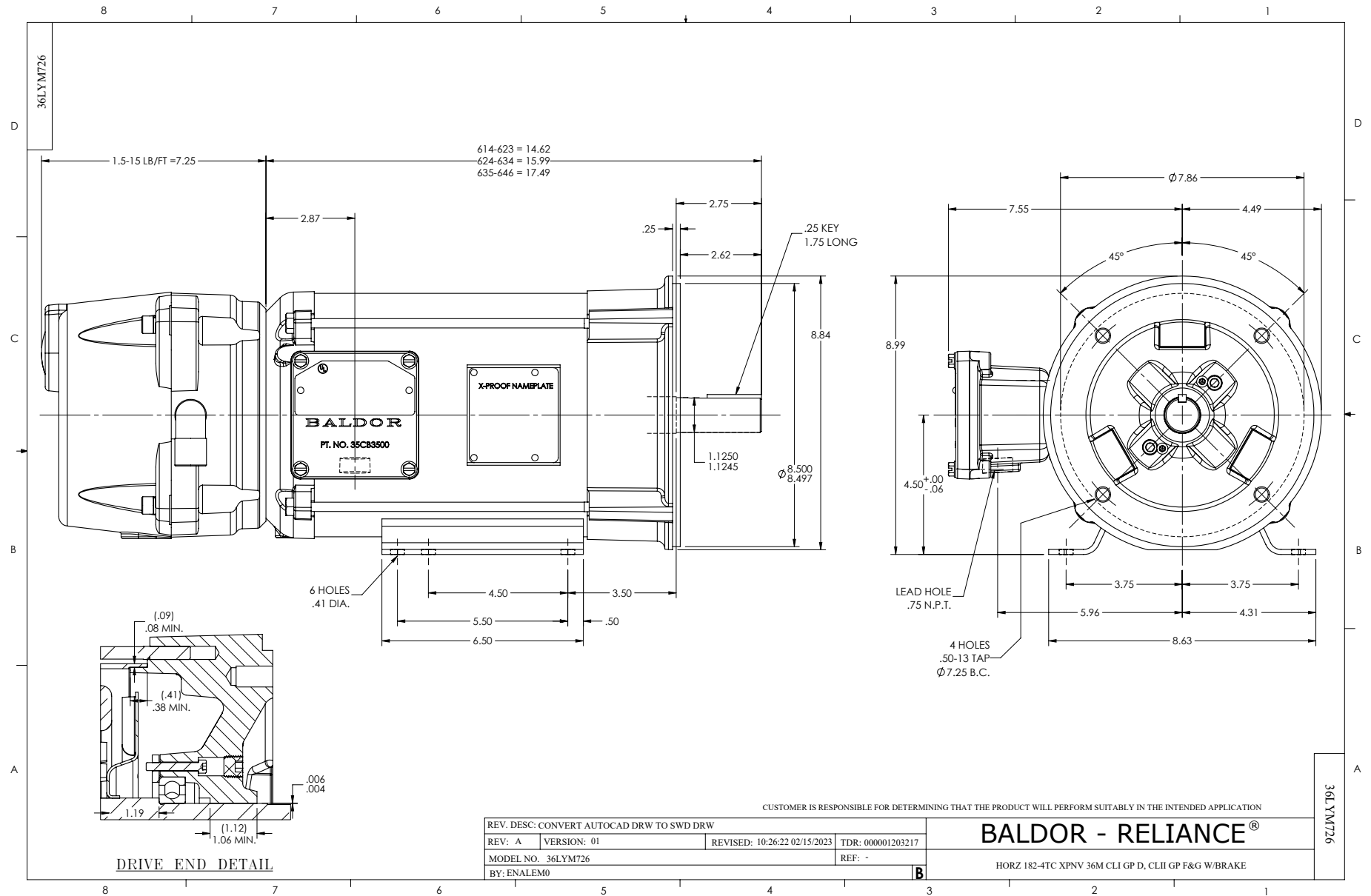
Typical performance - not guaranteed values.

2 HP 3 PH 60 HZ 1760 RPM 230 V 3630M

TORQUES (LB-FT): PO=24.3 PU=9.24 LR=17 LRA=46.2



5/16/2026 ACPERF, record # 87278



CD0005



LOW VOLTAGE  
(2Y)



LINE

HIGH VOLTAGE  
(1Y)



LINE

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			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
S00000		FILE: AAA00005140	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS