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# Customer information packet

## CSPM3610T

3HP, 3500RPM, 3PH, 60HZ, 182TC, 3634M, TEFC, F1

Class - None

Division - Not Applicable

## Specifications

Enclosure	TEFC
Frame	182TC
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CURUSEEV NEMA_PREMIUM WEEE
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	3.400 A @ 460.0 V 6.800 A @ 230.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	88.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	3.4 a

## Part detail

Revision	-
Type	AC
Mech. spec.	36P427
Base	
Status	PRD/A
Elec. spec.	36WGT562
Layout	36LYP427
Eff. date	09-11-2024
CD Diagram	CD0005
Poles	02
Leads	9#18
Proprietary	False
Created date	01-02-2024

Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	M
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	5400 rpm
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3634M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	16.55 IN
Power Factor	95
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3500 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None



**AC Induction Motor Performance Data**

Record # 100910

Typical performance - not guaranteed values

<b>Winding: 36WGT562-R002</b>		<b>Type: 3634M</b>		<b>Enclosure: TEFC</b>	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: High Voltage Connection</b>		
<b>Rated Output (HP)</b>	3		<b>Full Load Torque</b>	4.55 LB-FT	
<b>Volts</b>	230/460		<b>Start Configuration</b>	direct on line	
<b>Full Load Amps</b>	6.8/3.4		<b>Breakdown Torque</b>	23.5 LB-FT	
<b>R.P.M.</b>	3500		<b>Pull-up Torque</b>	15.1 LB-FT	
<b>Hz</b>	60	<b>Phase</b>	3	<b>Locked-rotor Torque</b>	16.9 LB-FT
<b>NEMA Design Code</b>	A	<b>KVA Code</b>	M	<b>Starting Current</b>	38.2 A
<b>Service Factor (S.F.)</b>	1.15		<b>No-load Current</b>	0.87 A	
<b>NEMA Nom. Eff.</b>	88.5	<b>Power Factor</b>	95	<b>Line-line Res. @ 25°C</b>	3.58 Ω
<b>Rating - Duty</b>	40C AMB-CONT		<b>Temp. Rise @ Rated Load</b>	35°C	
<b>S.F. Amps</b>	7.6/3.8		<b>Temp. Rise @ S.F. Load</b>	42°C	
			<b>Locked-rotor Power Factor</b>	42	
			<b>Rotor inertia</b>	0.153 lb-ft <sup>2</sup>	

**Load Characteristics 460 V, 60 Hz, 3 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>	72	87	93	95	96	97	96
<b>Efficiency</b>	82.5	87.9	89.1	88.7	88.4	87.3	88.5
<b>Speed</b>	3574	3551	3526	3500	3473	3442	3484
<b>Line amperes</b>	1.26	1.88	2.58	3.38	4.15	5.02	3.84

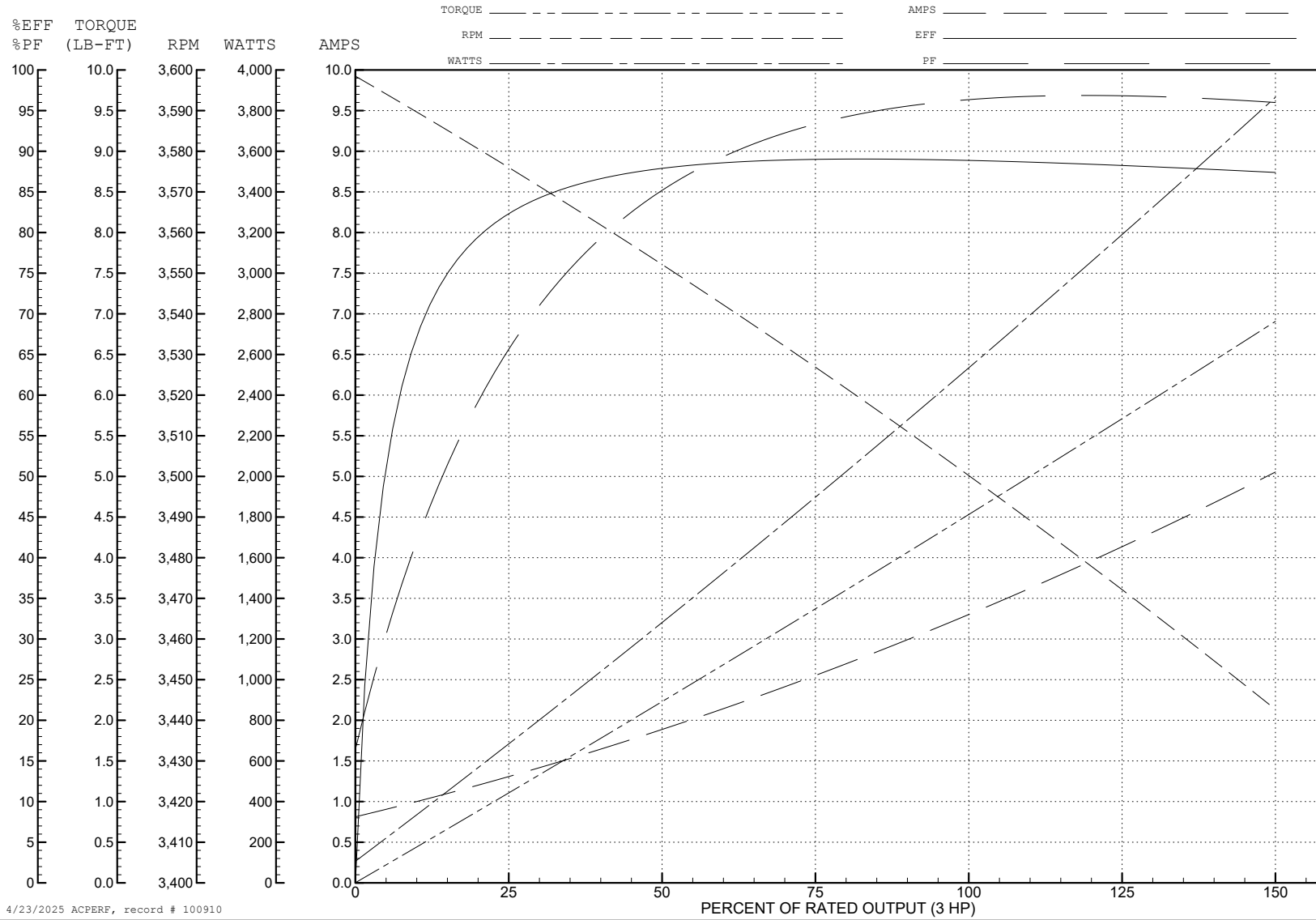
ABB Motors and Mechanical Inc.

WINDING # 36WGT562

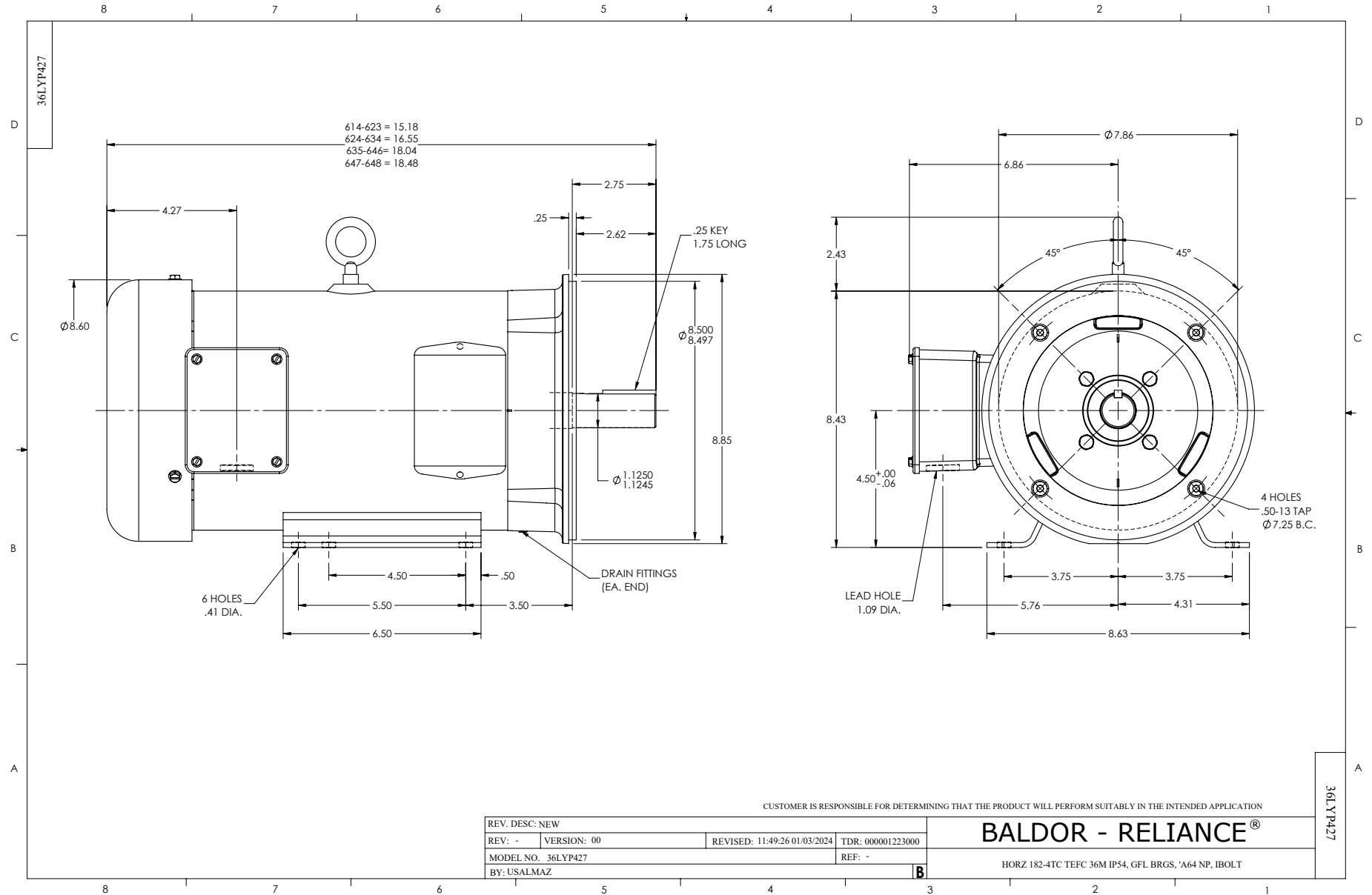
Typical performance - not guaranteed values.

3 HP 3 PH 60 HZ 3500 RPM 460 V 3634M

TORQUES (LB-FT): PO=23.5 PU=15.1 LR=16.9 LRA=38.2



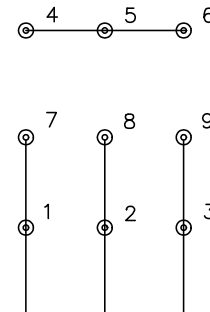
4/23/2025 ACPERF, record # 100910



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