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# Customer information packet

## VECP3663T-4

5HP, 3500RPM, 3PH, 60HZ, 184TC, 0634M, TEFC, F1

Class - CLI GP A,B,C,D

Division - Division II

## Specifications

Enclosure	TEFC
Frame	184TC
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CL I GP A,B,C,D
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	5.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSA US CSA EEV NEMA PREMIUM NEMA_PREMIUM UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Constant Torque Speed Range	6
Current @ Voltage	5.700 A @ 460.0 V
Design Code	A
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

## Part detail

Revision	S
Type	AC
Mech. spec.	06H480
Base	
Status	PRD/A
Elec. spec.	06WGX065
Layout	06LYH480
Eff. date	11-06-2023
CD Diagram	CD0006
Poles	02
Leads	3#16
Proprietary	False
Created date	03-21-2007

<b>Haz Area Temp Code</b>	T3C
<b>Heater Indicator</b>	No Heater
<b>High Voltage Full Load Amps</b>	5.7 a
<b>Insulation Class</b>	F
<b>Inverter Code</b>	Inverter Ready
<b>KVA Code</b>	L
<b>Lifting Lugs</b>	Standard Lifting Lugs
<b>Locked Bearing Indicator</b>	Locked Bearing
<b>Max Speed</b>	5400 rpm
<b>Motor Lead Exit</b>	Ko Box
<b>Motor Lead Quantity/Wire Size</b>	3 @ 16 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	0634M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	2
<b>Overall Length</b>	16.98 IN
<b>Power Factor</b>	90
<b>Product Family</b>	Chemical Processing (Not DC)
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	C-Face
<b>Pulley Shaft Indicator</b>	Standard
<b>Rodent Screen</b>	None
<b>Service Factor</b>	1.15
<b>Shaft Diameter</b>	1.125 IN
<b>Shaft Extension Location</b>	Pulley End
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Shaft Slinger Indicator</b>	Shaft Slinger
<b>Speed</b>	3500 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>	None

**Vibration Sensor Indicator****No Vibration Sensor****Winding Thermal 1****None****Winding Thermal 2****None**

**Nameplate**

<b>NP3257</b>									
<b>CAT.NO.</b>	VECP3663T-4								
<b>SPEC.</b>	06H480X065G1								
<b>HP</b>	5 TE								
<b>VOLTS</b>	460								
<b>AMP</b>	5.7								
<b>RPM</b>	3500								
<b>FRAME</b>	184TC	<b>HZ</b>	60	<b>PH</b>	3				
<b>SER.F.</b>	1.15	<b>CODE</b>	L	<b>DES</b>	A	<b>CL</b>	F		
<b>RATING</b>	40C AMB-CONT								
<b>SN</b>									
<b>DE</b>	6206	<b>ODE</b>	6206						
<b>NEMA-NOM-EFF</b>	89.5	<b>PF</b>	90						
<b>G.MIN.EFF</b>	89.5	<b>CC</b>	010A						
<b>T. CODE</b>	T3C	<b>T=</b>	160						

<b>NP3260</b>			
<b>SPEC.</b>	06H480X065G1		
<b>D.E. BRG.</b>	30BC02XP30X		
<b>O.D.E. BRG.</b>	30BC02XP30X		
<b>GREASE</b>	POLYREX EM		
<b>RPM MAX</b>	5400	<b>MAX. KVAR</b>	N/A
<b>BLANK</b>			
<b>INV.TYPE</b>	PWM		
<b>T=</b>	160		
<b>C HP FR</b>	60	<b>C HP TO</b>	90
<b>CT HZ FROM</b>	6	<b>CT HZ TO</b>	60
<b>VT HZ FROM</b>	3	<b>VT HZ TO</b>	60
<b>HTR-VOLTS</b>		<b>HTR-AMPS</b>	
<b>HTR-WATTS</b>		<b>MAX. SPACE HEATER TEMP.</b>	

**AC Induction Motor Performance Data**

Record # 47072

Typical performance - not guaranteed values

<b>Winding: 06WGX065-R031</b>		<b>Type: 0634M</b>		<b>Enclosure: TEFC</b>	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: Single Voltage Motor</b>		
<b>Rated Output (HP)</b>	5	<b>Full Load Torque</b>	7.45 LB-FT		
<b>Volts</b>	460	<b>Start Configuration</b>	direct on line		
<b>Full Load Amps</b>	5.7	<b>Breakdown Torque</b>	38.6 LB-FT		
<b>R.P.M.</b>	3500	<b>Pull-up Torque</b>	17.4 LB-FT		
<b>Hz</b>	60 <b>Phase</b>	3	<b>Locked-rotor Torque</b>	28.3 LB-FT	
<b>NEMA Design Code</b>	A <b>KVA Code</b>	L	<b>Starting Current</b>	63.9 A	
<b>Service Factor (S.F.)</b>		1.15	<b>No-load Current</b>	1.65 A	
<b>NEMA Nom. Eff.</b>	89.5 <b>Power Factor</b>	90	<b>Line-line Res. @ 25°C</b>	2.4282 Ω	
<b>Rating - Duty</b>		40C AMB-CONT	<b>Temp. Rise @ Rated Load</b>	49°C	
<b>S.F. Amps</b>			<b>Temp. Rise @ S.F. Load</b>	59°C	
			<b>Rotor inertia</b>	0.153 LB-FT <sup>2</sup>	

**Load Characteristics 460 V, 60 Hz, 5 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>	63	83	89	93	93	93	93
<b>Efficiency</b>	82.5	88.6	89.8	89.7	88.9	87.7	89.2
<b>Speed</b>	3575.6	3551.3	3526.2	3498.2	3470.4	3439.8	3482
<b>Line amperes</b>	2.17	3.14	4.35	5.59	7.02	8.54	6.45

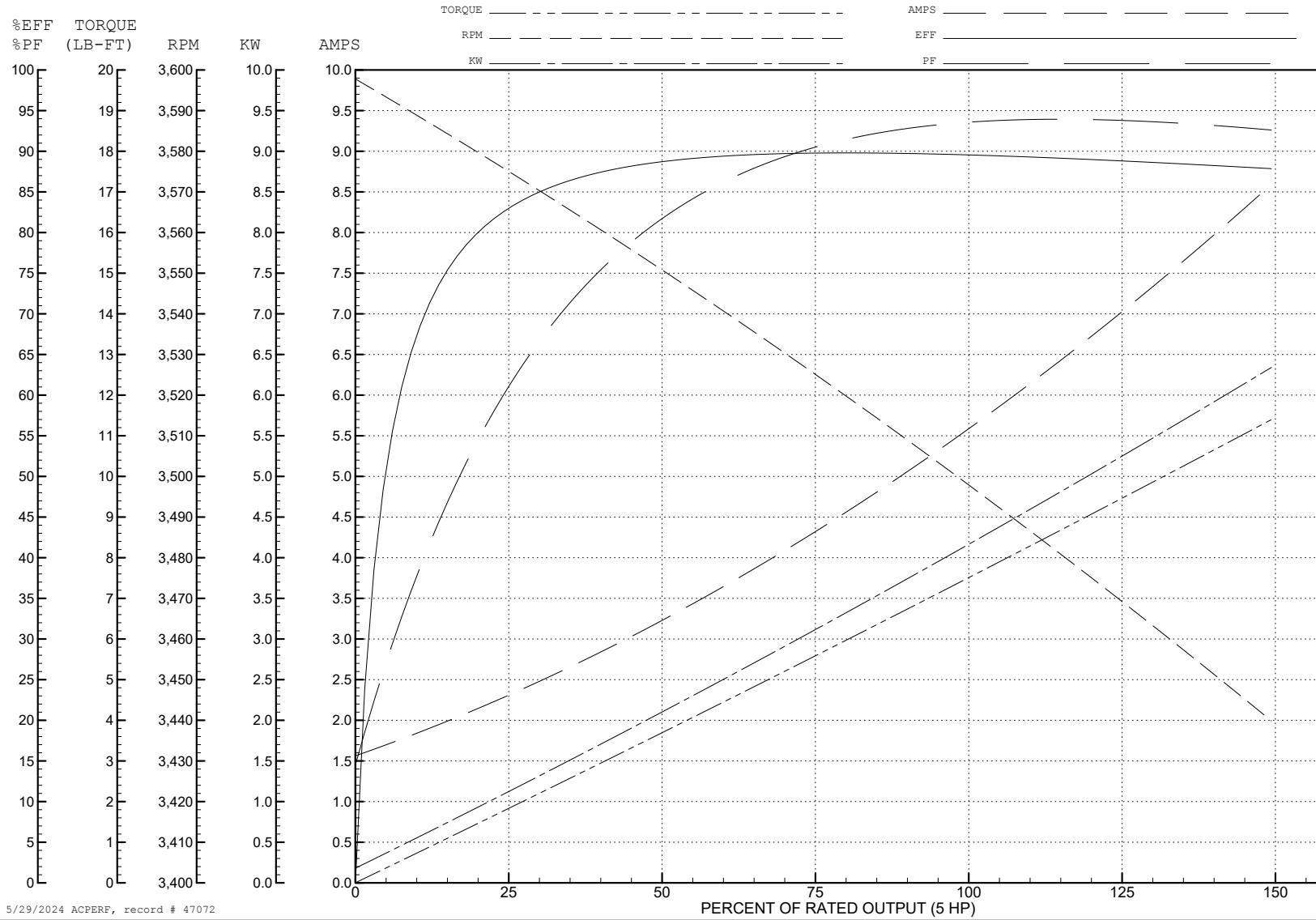
ABB Motors and Mechanical Inc.

WINDING # 06WGX065

Typical performance - not guaranteed values.

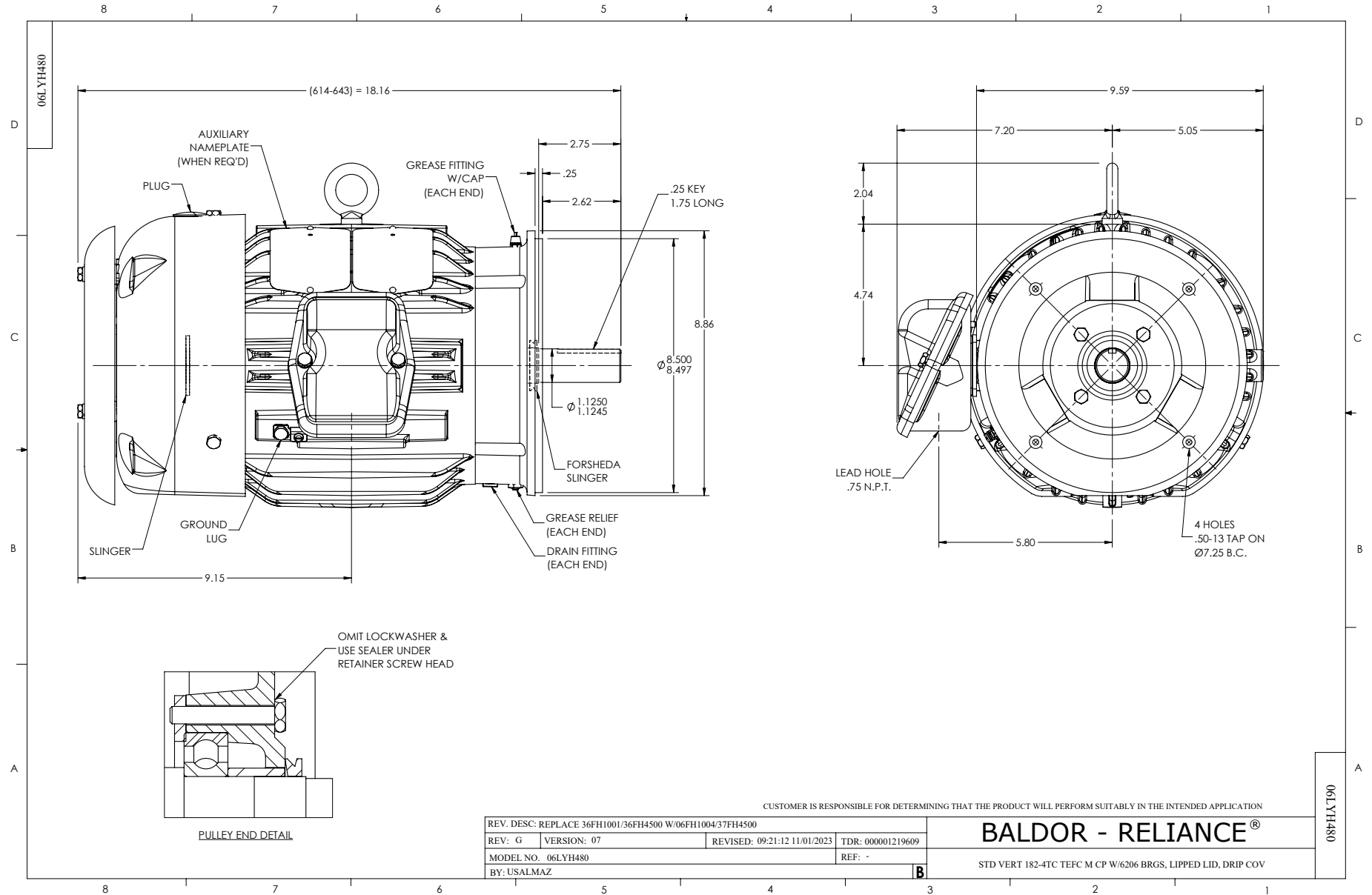
5 HP 3 PH 60 HZ 3500 RPM 460 V 0634M

TORQUES (LB-FT): PO=38.6 PU=17.4 LR=28.3 LRA=63.9



5/29/2024 ACPERF, record # 47072





CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: E	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\141	REVISED: 10:24:49 02/19/2019	BY: ENBRIRO
MTL: -	© □	

**BALDOR - RELIANCE®**

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

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