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# Customer information packet

## VENC83580T-4

1HP, 3450RPM, 3PH, 60HZ, 143TC, 0520M, TENV, F1

Class - CLI GP A,B,C,D

Division - Division II

## Specifications

Enclosure	TENV
Frame	143TC
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	1.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CSA EEV NEMA PREMIUM NEMA_PREMIUM UR CCSA US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Constant Torque Speed Range	1.8
Current @ Voltage	1.300 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	77.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

## Part detail

Revision	AQ
Type	AC
Mech. spec.	05F158
Base	
Status	PRD/A
Elec. spec.	05WGW634
Layout	05LYF158
Eff. date	04-20-2023
CD Diagram	CD0006
Poles	02
Leads	3#18,0#,0#,0# Y
Proprietary	False
Created date	11-26-2007

Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	1.3 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	5400 rpm
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	@ AWG 3 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0520M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	12.00 IN
Power Factor	88
Product Family	Chem Process S/P 32-8 IEEE 841
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3490 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None

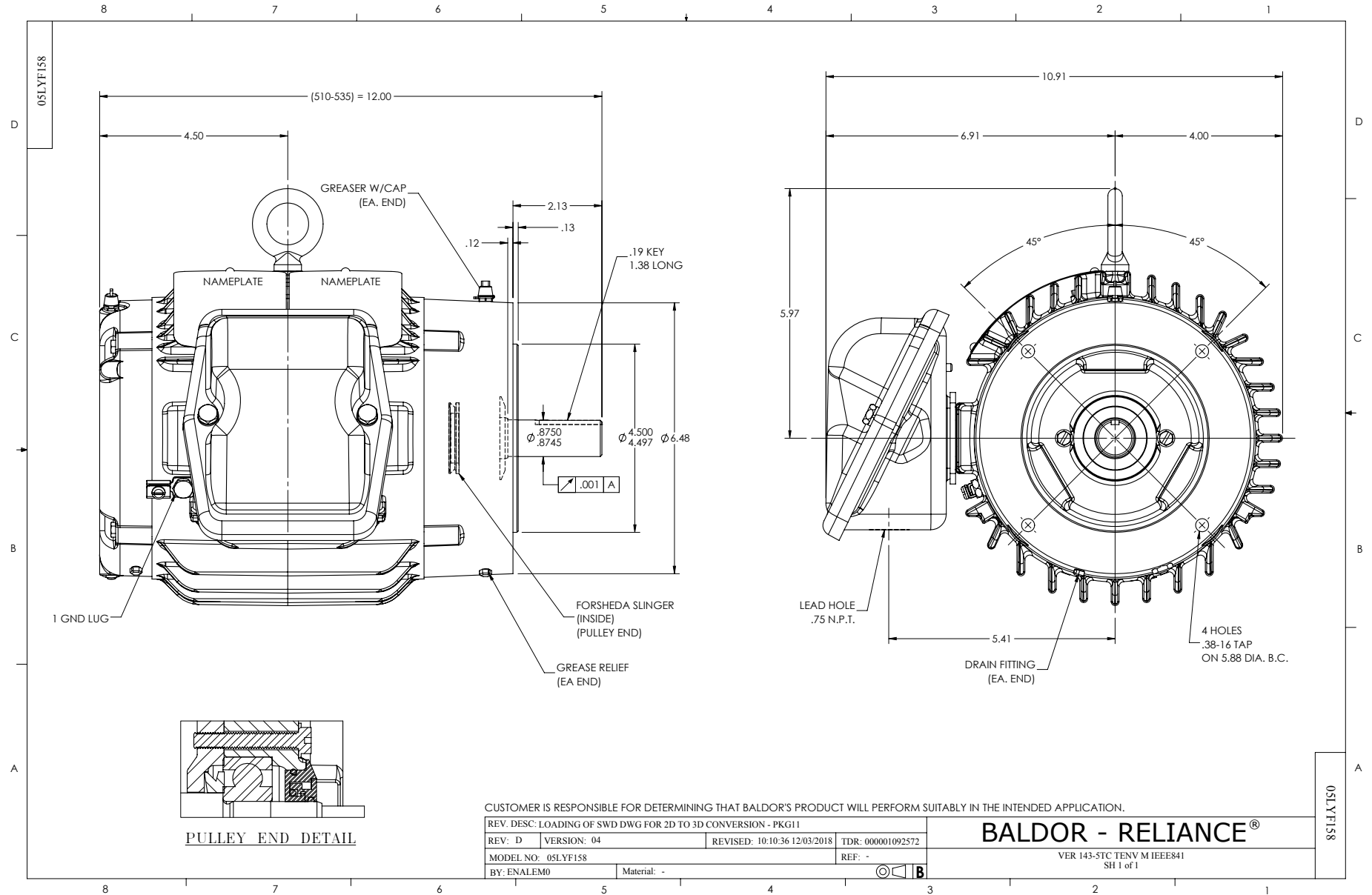
<b>Thermal Device - Winding</b>	None
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	None
<b>Winding Thermal 2</b>	None

**Nameplate**

<b>NP4328</b>									
<b>CAT.NO.</b>	VENCP83580T-4								
<b>SPEC.</b>	05F158W634G1								
<b>HP</b>	1 TE	<b>IP</b>	56						
<b>VOLTS</b>	460								
<b>AMPS</b>	1.3								
<b>R.P.M.</b>	3490								
<b>FRAME</b>	143TC	<b>HZ</b>	60	<b>PH</b>	3				
<b>SER.F.</b>	1.15	<b>CODE</b>	J	<b>DES.</b>	B	<b>CLASS</b>	F		
<b>RATING</b>	40C AMB-CONT								
<b>SN</b>									
<b>DE</b>	6205	<b>ODE</b>	6205						
<b>NEMA NOM. EFF.</b>	77	<b>P.F.</b>	88						
<b>GUAR. MIN. EFF.</b>	74	<b>CC</b>	010A						
<b>T. CODE</b>	T3C	<b>TEMP=</b>	160						

**NP3186**

<b>SPEC.</b>	05F158W634G1		
<b>ABMA DE BRG</b>	25BC02X30X		
<b>ABMA ODE BRG</b>	25BC02XP30X		
<b>GREASE</b>	POLYREX EM		
<b>MOTOR WEIGHT</b>	59	<b>ROTOR BARS</b>	20
		<b>STATOR BARS</b>	24
<b>MAX. R.P.M.</b>	5400	<b>MAX. KVAR</b>	0.05
<b>INV.TYPE</b>	PWM		
<b>T=</b>	160		
<b>CHP</b>	60	<b>TO</b>	90
<b>CT</b>	1.8	<b>TO</b>	60
<b>VT</b>	-0	<b>TO</b>	60
<b>HTR-VOLTS</b>	N/A	<b>HTR-AMPS</b>	N/A
<b>HTR-WATTS</b>	N/A	<b>MAX. SPACE HEATER TEMP.</b>	N/A



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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