

## Submittal Data

PROJECT:	 UNIT TAG:	QUANTITY:	
	 TYPE OF SERVICE:		
REPRESENTATIVE:	 SUBMITTED BY:	DATE:	
ENGINEER:	 APPROVED BY:	DATE:	
CONTRACTOR:	 ORDER NO.:	 DATE:	

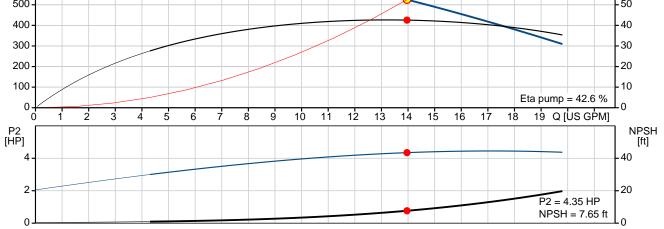


### CRK 2-180/18 U-W-A-AUUV

Coolant pumps

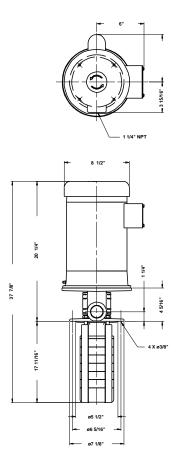
Note! Product picture may differ from actual product

Condition	s of Service	Pun	np Data		Motor	Data
Flow:	14 US GPM	Liquid temperature range:	32 194 °F		Rated power - P2:	5 HP
Head:	525 ft	Maximum ambient temperature:	104 °F		Rated voltage:	208-230/460 V
Efficiency:		Approvals motor:	UL Recognized Co	mponent, CSA	Mains frequency:	60 Hz
Liquid:	Water	Shaft seal:	AUUV		Insulation class:	F
Temperature:	68 °F	Pipe connection:	1 1/4" NPT		Motor protection:	NONE
NPSH required:	7.65 ft	Product number:	40Z97117		Motor type:	Baldor, TEFC
Viscosity:					Motor_efficiency:	85.5 %
Specific Gravity:	1.000					
H [ft] 800 - 700 - 600 -			H P Li	2 = 14 US GPM I = 525 ft l'umped liquid = V iquid temperature vensity = 62.29 lb	e during operation = 6	-80
500-						- 50





# Submittal Data



### Materials:

materials.	
Pump head:	Cast iron
	EN-JL1030
	ASTM A48-30 B
Impeller:	Stainless steel
-	DIN WNr. 1.4301
	AISI 304
Material code:	А

Company name: Created by: Phone:

Date:

15/04/2020

Qty.	Description

1

#### CRK 2-180/18 U-W-A-AUUV



Note! Product picture may differ from actual product

Multistage, immersible, self-priming, centrifugal pump for vertical installation in tanks etc.

The pump has the following characteristics:

- Installation length according to DIN 5440.
  Impellers, intermediate chambers and spline
- shaft are made of Stainless steel.
  - Mechanical shaft seal according to EN 12756.
- Power transmission via cast iron

split coupling.

The motor is a 3-phase AC motor. Immersion depth: 17.6 in

#### Liquid:

Pumped liquid:	Water
Liquid temperature range:	32 194 °F
Selected liquid temperature:	68 °F
Density:	62.29 lb/ft <sup>3</sup>
<b>Technical:</b> Actual calculated flow: Resulting head of the pump: Primary shaft seal:	14 US GPM 525 ft AUUV

Materials:	
Approvals on motor nameplate: Curve tolerance:	UL Recognized Component, CSA ISO 9906:1999 Annex A
Primary shaft seal:	AUUV

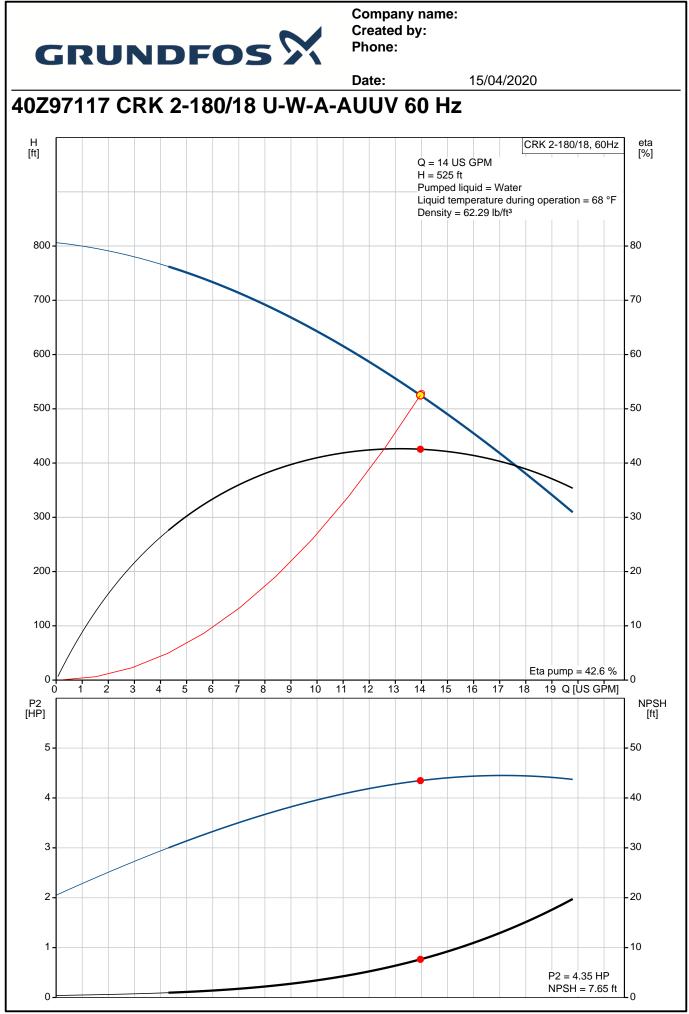
Pump head:	Cast iron
	EN-JL1030
	ASTM A48-30 B
Impeller:	Stainless steel
	DIN WNr. 1.4301
	AISI 304
Installation:	

Maximum ambient temperature: 104 °F Pipe connection: 1 1/4" NPT



Company name: Created by:

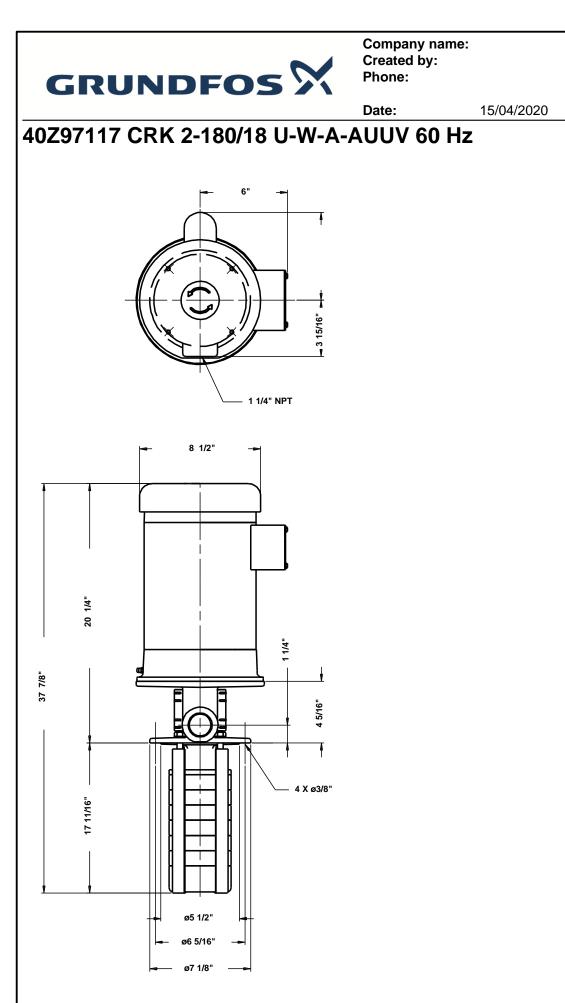
Description      Flange size for motor:    184TC      Electrical data:	GRUNDF		Date:	15/04/2020	
Electrical data:Motor type:Baldor, TEFCRated power - P2:5 HPMains frequency:60 HzRated voltage:3 x 208-230/460 VService factor:1.15Rated current:13.2-12/6 AStarting current:103.9-94/47 ACos phi - power factor:0.93Rated speed:3450 rpmMotor efficiency at full load:85.5 %Insulation class (IEC 85):FMotor No:85600012Others:Country of origin:US	Description				
Motor type:Baldor, TEFCRated power - P2:5 HPMains frequency:60 HzRated voltage:3 x 208-230/460 VService factor:1.15Rated current:13.2-12/6 AStarting current:103.9-94/47 ACos phi - power factor:0.93Rated speed:3450 rpmMotor efficiency at full load:85.5 %Insulation class (IEC 85):FMotor No:85600012Others:Country of origin:US	Flange size for motor:	184TC			
Motor type:Baldor, TEFCRated power - P2:5 HPMains frequency:60 HzRated voltage:3 x 208-230/460 VService factor:1.15Rated current:13.2-12/6 AStarting current:103.9-94/47 ACos phi - power factor:0.93Rated speed:3450 rpmMotor efficiency at full load:85.5 %Insulation class (IEC 85):FMotor No:85600012Others:Country of origin:US	Electrical data:				
Rated power - P2:5 HPMains frequency:60 HzRated voltage:3 x 208-230/460 VService factor:1.15Rated current:13.2-12/6 AStarting current:103.9-94/47 ACos phi - power factor:0.93Rated speed:3450 rpmMotor efficiency at full load:85.5 %Insulation class (IEC 85):FMotor No:85600012Others:Country of origin:US		Baldor, TEFC			
Mains frequency:60 HzRated voltage:3 x 208-230/460 VService factor:1.15Rated current:13.2-12/6 AStarting current:103.9-94/47 ACos phi - power factor:0.93Rated speed:3450 rpmMotor efficiency at full load:85.5 %Insulation class (IEC 85):FMotor No:85600012Others:Country of origin:US					
Service factor:1.15Rated current:13.2-12/6 AStarting current:103.9-94/47 ACos phi - power factor:0.93Rated speed:3450 rpmMotor efficiency at full load:85.5 %Insulation class (IEC 85):FMotor No:85600012Others:Country of origin:US		60 Hz			
Rated current:13.2-12/6 AStarting current:103.9-94/47 ACos phi - power factor:0.93Rated speed:3450 rpmMotor efficiency at full load:85.5 %Insulation class (IEC 85):FMotor No:85600012Others:Country of origin:US	Rated voltage:	3 x 208-230/460 V			
Starting current:103.9-94/47 ACos phi - power factor:0.93Rated speed:3450 rpmMotor efficiency at full load:85.5 %Insulation class (IEC 85):FMotor No:85600012Others:Country of origin:US	Service factor:	1.15			
Cos phi - power factor:0.93Rated speed:3450 rpmMotor efficiency at full load:85.5 %Insulation class (IEC 85):FMotor No:85600012Others:Country of origin:US					
Rated speed:3450 rpmMotor efficiency at full load:85.5 %Insulation class (IEC 85):FMotor No:85600012Others:Country of origin:US					
Motor efficiency at full load:    85.5 %      Insulation class (IEC 85):    F      Motor No:    85600012      Others:    US	Cos phi - power factor:				
Insulation class (IEC 85): F Motor No: 85600012 Others: Country of origin: US	Rated speed:				
Motor No: 85600012 Others: Country of origin: US					
Others: Country of origin: US					
Country of origin: US	Motor No:	85600012			
Country of origin: US Custom tariff no.: 8413.70.2040					
Custom tariff no.: 8413.70.2040	Country of origin:				
	Custom tariff no.:	8413.70.2040			





#### Company name: Created by: Phone:

			1					
Description	Value	H [ft]				CRK 2-1	180/18, 60Hz	eta [%]
General information:		_		Q = 14 H = 525	JS GPM			
Product name:	CRK 2-180/18 U-W-A-AUUV			Pumpeo	l liquid = W			
Product No:	40Z97117	800 -			emperature = 62.29 lb/	during opera	ation = 68 °F	- 80
EAN number:	5700394403740	_						
	5700394403740	700 -						-70
Technical:								
Actual calculated flow:	14 US GPM	600 -						- 60
Resulting head of the pump:	525 ft							00
Stages:	18	500 -				Q		- 50
Impellers:	18	500-				$/$ $\setminus$		- 50
Primary shaft seal:	AUUV							40
•	UL Recognized Component,	400 -						- 40
Approvals on motor nameplate:	CSA							
Curve tolerance:	ISO 9906:1999 Annex A	300 -						- 30
Pump No:	40920078							
•	40920078 U	200 -						- 20
Pump version: Materials:	0	— I /						
	Cast iron	100 -		$\downarrow$				- 10
Pump head:		— I/ I				Eta	mn = 42.6.9/	
	EN-JL1030	0			10 12		mp = 42.6 %	Lo
	ASTM A48-30 B	0 2 P2	2 4	6 8	10 12	14 16	Q [US GPM]	
Impeller:	Stainless steel	P2 [HP]						[ft
	DIN WNr. 1.4301	5 -						- 50
	AISI 304							
Material code:	A	4 -						- 40
Installation:								
Maximum ambient temperature:	104 °F	3-						- 30
Pipe connection:	1 1/4" NPT	<b>E</b> 2						- 20
Flange size for motor:	184TC	* -						20
Connect code:	W	1						- 10
Liquid:							= 4.35 HP	
Pumped liquid:	Water	0				NP	PSH = 7.65 ft	Lo
Liquid temperature range:	32 194 °F							
Selected liquid temperature:	68 °F		F	6" +				
Density:	62.29 lb/ft <sup>3</sup>		$\square$	_	f			
Electrical data:	02.20 10/10							
Motor type:	Baldor, TEFC	—		$\mathcal{D}$				
Rated power - P2:	5 HP	_ T			3 15/16"			
KVA code:	K		12 L	۶ <u>–</u>	315			
	60 Hz		R	-				
Mains frequency:			```	1 1/4" NPT				
Rated voltage:	3 x 208-230/460 V							
Service factor:	1.15		➡ 8 1/2"	-				
Rated current:	13.2-12/6 A							
Starting current:	103.9-94/47 A							
Load current:	15-13.6/6.8 A							
Cos phi - power factor:	0.93			L L				
Rated speed:	3450 rpm	20 1/4"						
Motor efficiency at full load:	85.5 %	3	l i					
Insulation class (IEC 85):	F			. 11/4				
Motor protec:	NONE	37 7/8"		<u> </u>				
Motor No:	85600012				4 5/16"			
Others:		<b> </b>		╤┪╴┤				
Sales region:	Namreg	-	║╽╞╡					
Country of origin:	US	11/16"			4 X ø3/8"			
Custom tariff no.:	8413.70.2040	11 11		1				
				<u>    </u>				
				_				
			ø5 1/2"	<u> </u>				



Note! All units are in [in] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.