

Stainless Steel Centrifugal Pumps Model CDU / 2CDU



Technical Specifications

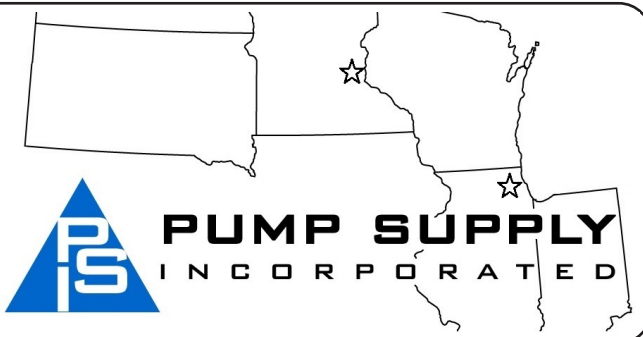
Illinois Location:

(847) 841-7867
860 Church Rd Elgin, IL 61

Minnesota Location:

(651) 758-7867
330 Mill Bay South Suite
Afton, MN 55001

PumpSupplyInc.com



Certified to
NSF/ANSI/CAN 61
& 372

***Note:** Models CDU and 2CDU
with seal code "C" are certified

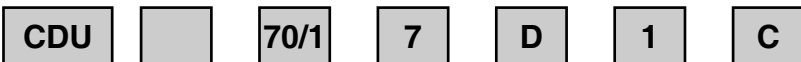


EBARA Pumps Americas Corporation

EBARA Stainless Steel Centrifugal Pumps

Model CDU

Model Designation



MODEL TYPE _____
 CDU - Stainless Steel Centrifugal

SPEED _____
 (none) - 3500 RPM
 4 - 1750 RPM

CASING AND IMPELLER SIZE _____

70/0	120/1	200/1
70/1	120/3	200/3
70/3	120/5	200/5
70/5A		
70/5B		

MOTOR HP _____

- 3 - 1/3 HP
- 5 - 1/2 HP
- 7 - 3/4 HP
- 10 - 1 HP
- 15 - 1 1/2 HP
- 20 - 2 HP
- 30 - 30 HP

MOTOR ENCLOSURE _____

- D - ODP
- T - TEFC
- W - Washdown
- X - Explosion Proof

PHASE _____

- 1 - single phase
- 3 - three phase

MECHANICAL SEAL TYPE _____

C – Carbon/Ceramic/Viton (Cup Seat)*	EPDM – Carbon/Ceramic/EPDM (Cup Seat)
G – Carbon/Ceramic/Buna (Cup Seat)	SCCV – Si-Carbide/Carbon/Viton (Cup Seat)
H – Carbon/Ni-resist/Viton (Cup Seat)	VSC – Si-Carbide/Si-Carbide/Viton (O-Ring Seat)
GO – Carbon/Ceramic/Buna (O-Ring Seat)	ESC – Si-Carbide/Si-Carbide/EPDM (O-Ring Seat)
CO – Carbon/Ceramic/Viton (O-Ring Seat)	
HO – Carbon/Ni-resist/Viton (O-Ring Seat)	

*Seal Type C required for NSF certification.

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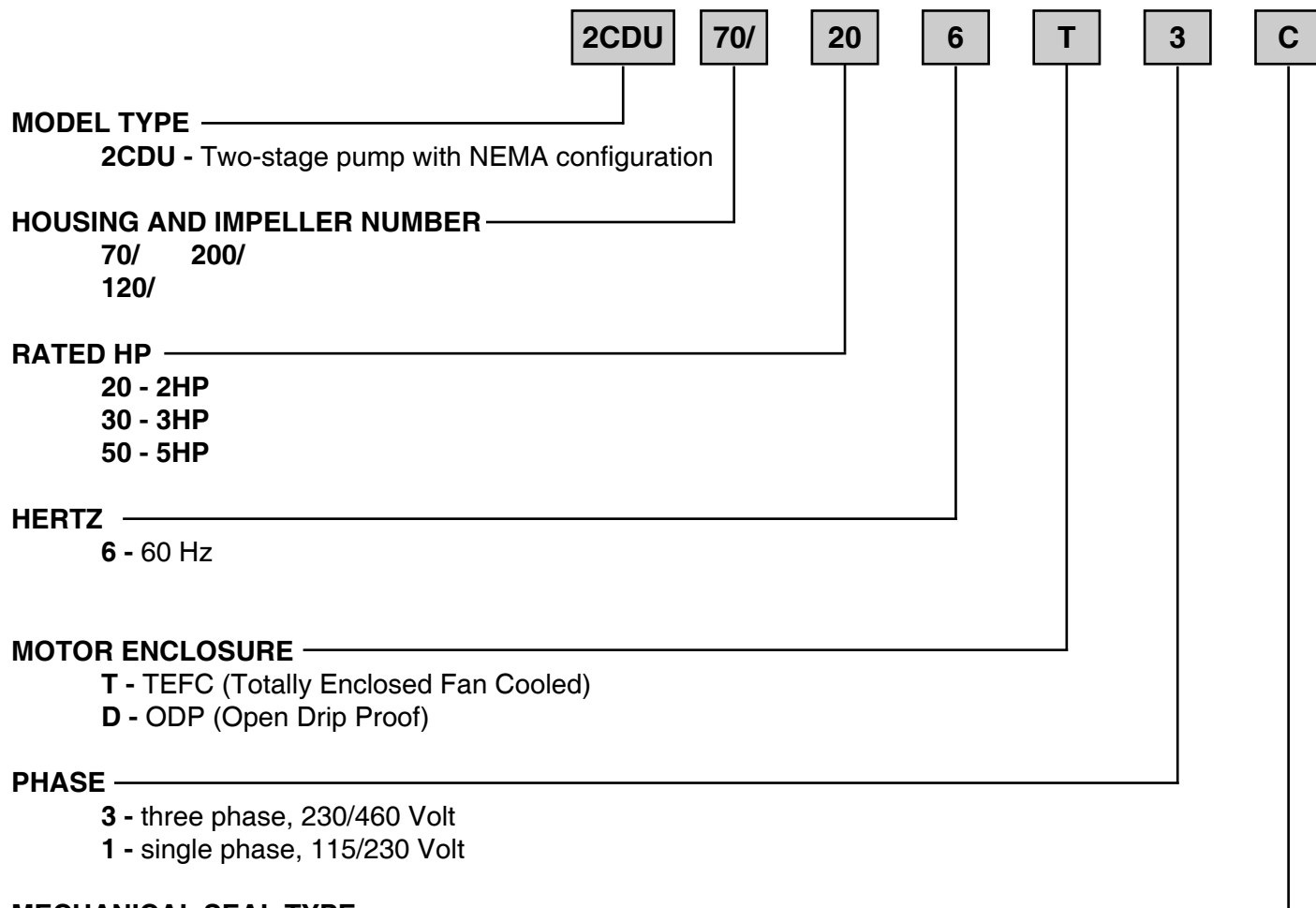
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EBARA Stainless Steel Two-Stage Centrifugal Pumps

Model 2CDU

Model Designation



2CDU

70/

20

6

T

3

C



- C – Carbon/Ceramic/Viton (Cup Seat)*
- G – Carbon/Ceramic/Buna (Cup Seat)
- H – Carbon/Ni-resist/Viton (Cup Seat)
- GO – Carbon/Ceramic/Buna (O-Ring Seat)
- CO – Carbon/Ceramic/Viton (O-Ring Seat)
- HO – Carbon/Ni-resist/Viton (O-Ring Seat)
- EPDM – Carbon/Ceramic/EPDM (Cup Seat)
- SCCV – Si-Carbide/Carbon/Viton (Cup Seat)
- VSC – Si-Carbide/Si-Carbide/Viton (O-Ring Seat)
- ESC – Si-Carbide/Si-Carbide/EPDM (O-Ring Seat)

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EBARA Stainless Steel Centrifugal Pumps**Model CDU****Specifications**

	Standard	Optional
Size		
Suction	CDU70 - 1 1/4" NPT thread CDU120 - 1 1/4" NPT thread CDU200 - 1 1/2" NPT thread	
Discharge	1" NPT thread	
Range of HP	1/2 HP to 3 HP	
Range of Performance		
Capacity	5 to 105 GPM at 3450 RPM	
Head	3 to 154 feet at 3450 RPM	
Liquid Handled		
Type of liquid	Water	
Temperature	Range: 23°F (-5°C) to 212°F (100°C)	Max. 250°F (121°C) with optional high temperature seal
Max. working pressure	125 PSI (8.6 Bar)	
Materials		
Casing	304L Stainless Steel	
Impeller (closed type)	304L Stainless Steel	
Shaft	Stainless Steel	
Bracket	Aluminum	
Shaft Seal	Mechanical Seal - Type 21 Carbon/Ceramic/Viton	Consult factory for optional seal type
Bearing	Ball Bearing	
Direction of Rotation	Clockwise when viewed from motor end	
Motor		
Type	NEMA 56J Frame	
Speed	60 Hz, 3450 RPM (2 poles) 1750 RPM (4 poles)	
Single Phase	TEFC - 1/2 HP to 3 HP ODP - 1/2 HP to 3 HP, 115/230V	Explosion Proof - consult factory Washdown duty - consult factory
Three Phase	TEFC - 1/2 HP to 3 HP ODP - 1/2 HP to 3 HP, 208-230/460V	
Motor Protection	Built-in overload protection (single phase)	



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EBARA Stainless Steel Two-Stage Centrifugal Pumps**Model 2CDU****Specifications**

	Standard	Optional
Size		
Suction	2CDU70 - 1 1/4" NPT thread 2CDU120 - 1 1/4" NPT thread 2CDU200 - 1 1/2" NPT thread	
Discharge	1" NPT thread	
Range of HP	2 HP to 5 HP	
Range of Performance		
Capacity	5 to 66 GPM at 3600 RPM	
Head	127 to 255 feet at 3600 RPM	
Liquid Handled		
Type of liquid	Clean water	
Temperature	Range: 23°F (-5°C) to 212°F (100°C)	Max. 250°F (121°C) with optional high temperature seal
Max. working pressure	125 PSI (8.6 Bar)	
Materials		
Casing	304L Stainless Steel	
Impeller (closed type)	304L Stainless Steel	
Shaft	304L Stainless Steel	
Bracket	Aluminum	
Shaft Seal	Mechanical Seal - Carbon/Ceramic/Viton	Consult Factory for optional seal types
Direction of Rotation	Clockwise when viewed from motor end	
Motor		
Type	NEMA 56J Frame	
Speed	60 Hz, 3450 RPM (2 poles)	
Single Phase	TEFC - 2 HP to 5 HP ODP - 2 HP to 3 HP, 115/230V	Explosion Proof - consult factory Washdown duty - consult factory
Three Phase	TEFC - 2 HP to 5 HP ODP - 2 HP to 3 HP, 230/460V	
Motor Protection	Built-in overload protection (single phase)	
Bearing	Ball Bearing	



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