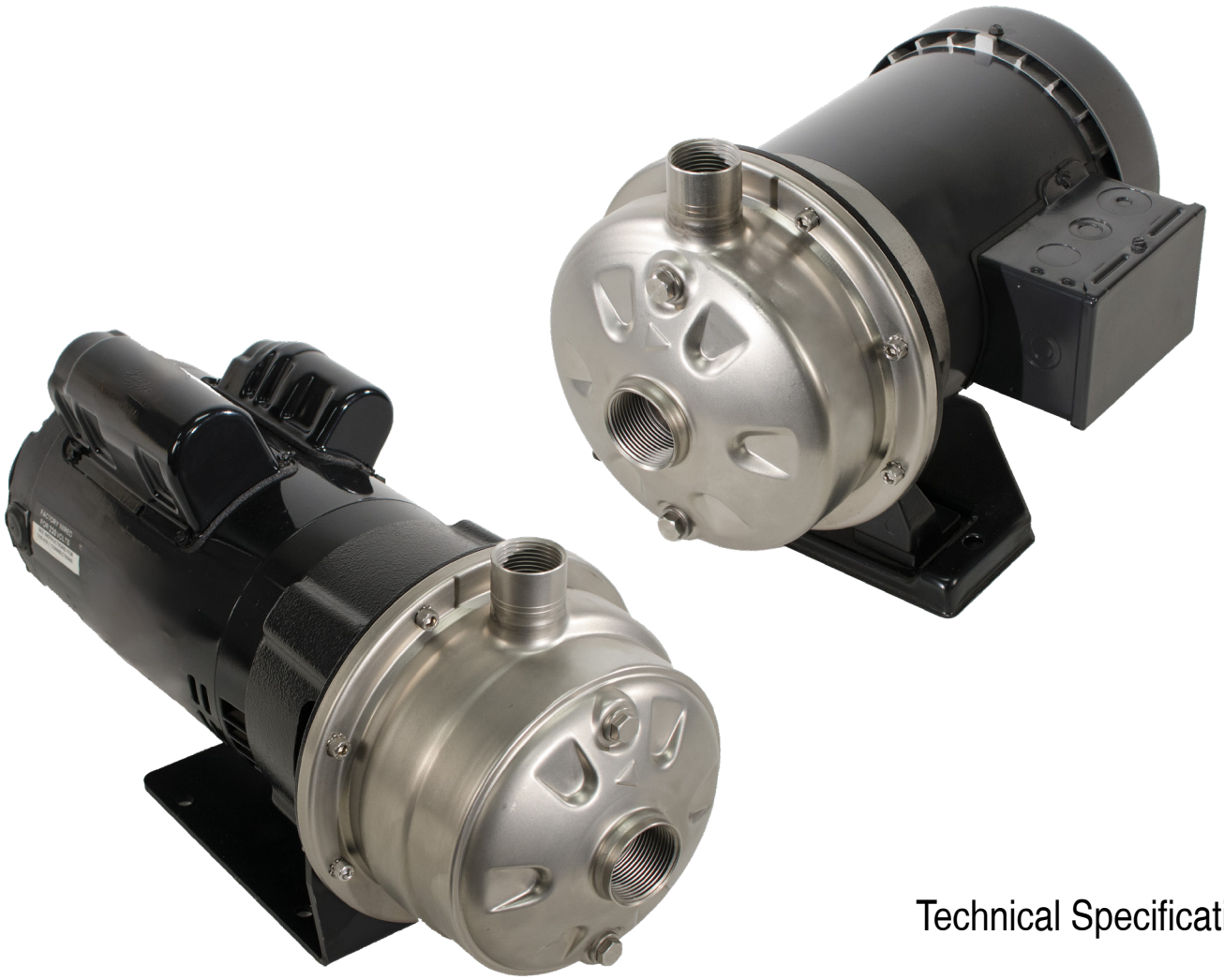
CALL TOLL FREE 877-742-2878 FOR SALES AND SUPPORT Return to BurtProcess.com

Stainless Steel Centrifugal Pumps
Model CDU / 2CDU



Technical Specifications

Certified to NSF/ANSI/CAN 61 & 372

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

EBARA

EBARA Pumps Americas Corporation

Model Designation

CDU		70/1	7	D	1	C

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)*
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)

*Seal Type C required for NSF certification.

Model Designation

2CDU	70/	20	6	T	3	C

MODEL TYPE

2CDU - Two-stage pump with NEMA configuration

HOUSING AND IMPELLER NUMBER

70/ **200/**
120/

RATED HP

20 - 2HP
30 - 3HP
50 - 5HP

HERTZ

6 - 60 Hz

MOTOR ENCLOSURE

T - TEFC (Totally Enclosed Fan Cooled)
D - ODP (Open Drip Proof)

PHASE

3 - three phase, 230/460 Volt
1 - single phase, 115/230 Volt

MECHANICAL SEAL TYPE

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)

*Seal Type C required for NSF certification.

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
Three Phase	TEFC - 1/2 HP to 3 HP	Washdown duty - consult facotry
	ODP - 1/2 HP to 3 HP, 208-230/460V	
Motor Protection	Built-in overload protection (single phase)	

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
Three Phase	TEFC - 2 HP to 5 HP ODP - 2 HP to 3 HP, 230/460V	Washdown duty - consult facotry
Motor Protection	Built-in overload protection (single phase)	
Bearing	Ball Bearing	