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CNN-1000

Single Stage Water Ring Vacuum Pump



Technical Data			
Pump type	CNN- 1001	CNN- 1002	CNN- 1003
Capacity CFM	870~1180	970~1220	880~1090
Speed RPM	630~880	690~880	690~880
Noise dB(A)*	82	82	82
Weight KGs	525(Without inlet/outlet manifolds)		
Seal flow m3/hr	2.3~4.5	4.5~6.8	4.5~6.8

* With silencer and after inlet and outlet piping in 200Torr.

Model Order Code		
<u>CNN -1001 FCD 1M</u>		
CNN	CUTES Corporation Water Ring Vacuum Pump (Install Dimension same as Nash CL 1000 model)	
10	Capacity 1000CFM	
01	Operating Vacuum range	01 : below 400mmHg 02 : 350 ~ 550mmHg 03 : 500 ~ 680mmHg
FCD	Material Construction Code. Ref below table	
1M	Seal	Empty : Gland Packing 1M : Single Mech. Seal 2M: Double Mech. Seal

Parts Name	FCD	STD	BVC	BVS	XVC	XVS	SS4	PVC	PVS	SS6
Cones	GGL-200	GGL-200	1.4308	1.4308	1.4308	1.4308	1.4308	1.4408	1.4408	1.4408
Head	GGL-200	GGL-200	GGL-200	GGL-200	GGL-200	GGL-200	1.4308	GGL-200	GGL-200	1.4408
Housing	GGL-200	GGL-200	GGL-200	1.4308	GGL-200	1.4308	1.4308	GGL-200	1.4408	1.4408
Shaft	C 45	C 45	1.4006	1.4006	1.4006	1.4006	1.4006	1.4006	1.4006	1.4408
Cladding Plate	----	----	----	----	1.4408	1.4408	----	1.4408	1.4408	----
Bearing Bracket	GGG-40	GGG-40	GGG-40	GGG-40	GGG-40	GGG-40	GGG-40	GGG-40	GGG-40	GGG-40
Bearing Cap	GGL-200	GGL-200	GGL-200	GGL-200	GGL-200	GGL-200	GGL-200	GGL-200	GGL-200	GGL-200

Rotor	GGG-40	1.4308	1.4308	1.4308	1.4308	1.4308	1.4308	1.4408	1.4408	1.4408
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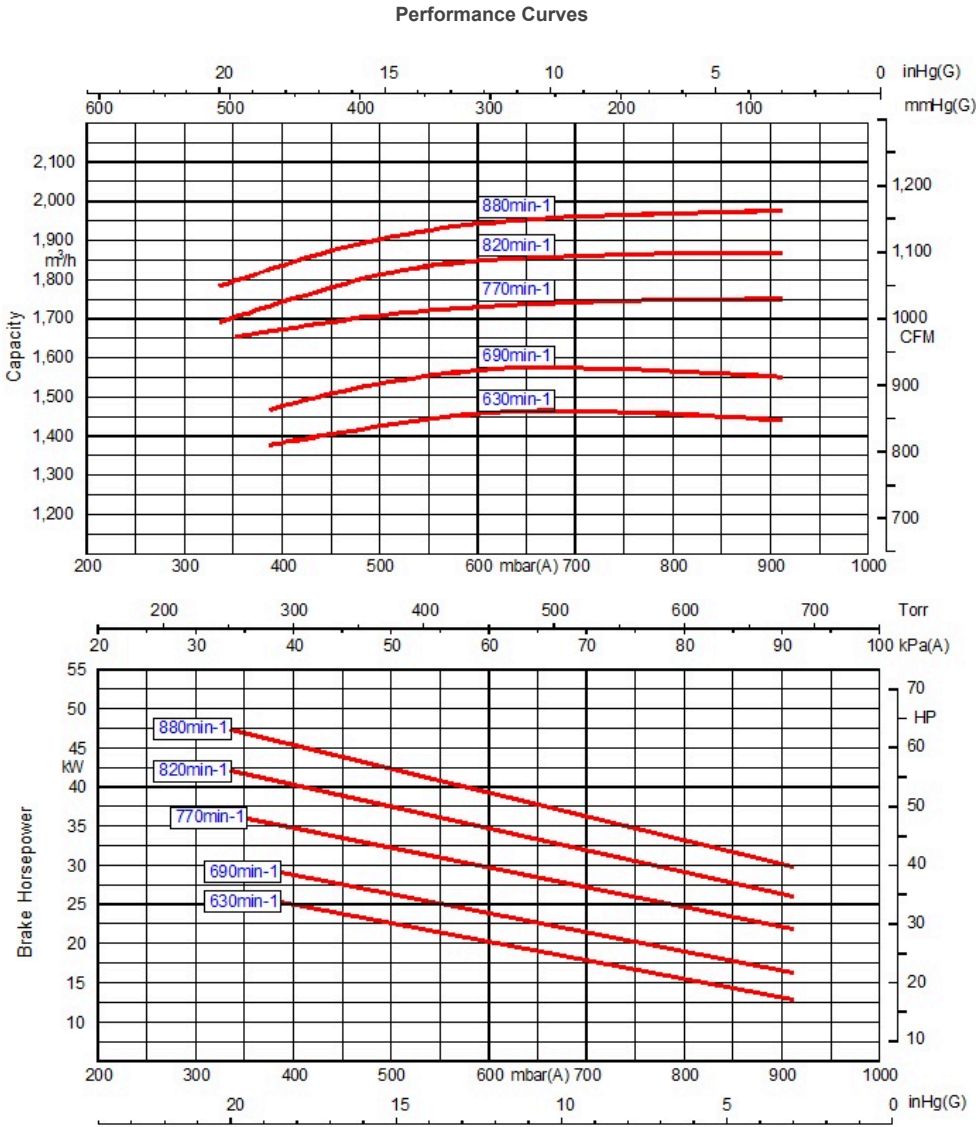
*1.4006 = X10 Cr 13 (DIN) = 410 (ASTM) = SUS410 (JIS)

*1.4308 = G-X6CrNi18 9 (DIN) = CF-8 (ASTM) = SCS13 (JIS)

*1.4408 = G-X6CrNiMo18 10 (DIN) = CF-8M (ASTM) = SCS14 (JIS)



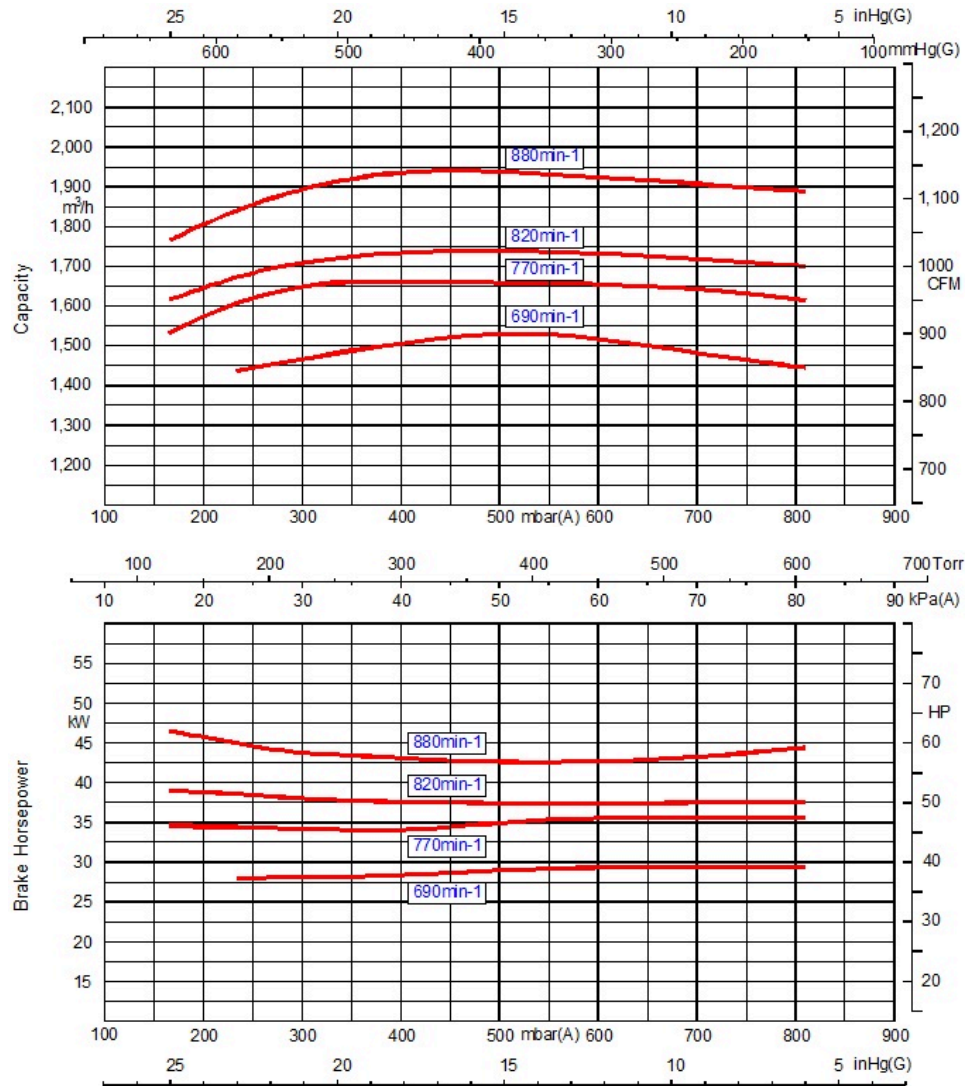
Model: CNN - 1001



These performance curves are based on operating conditions with <u>Dry air</u> at a temperature of 20 oC, operating water at a temperature of 15 oC, and discharge pressure of 1013mbar with a tolerance of +/- 10%.	mbar(A)		Flow Requirement m3/hr					
	RPM		400	500	600	700	800	900
	630~880		4.5	4.5	4.5	4.5	4.5	2.3

Модель: CNN - 1002

Performance Curves

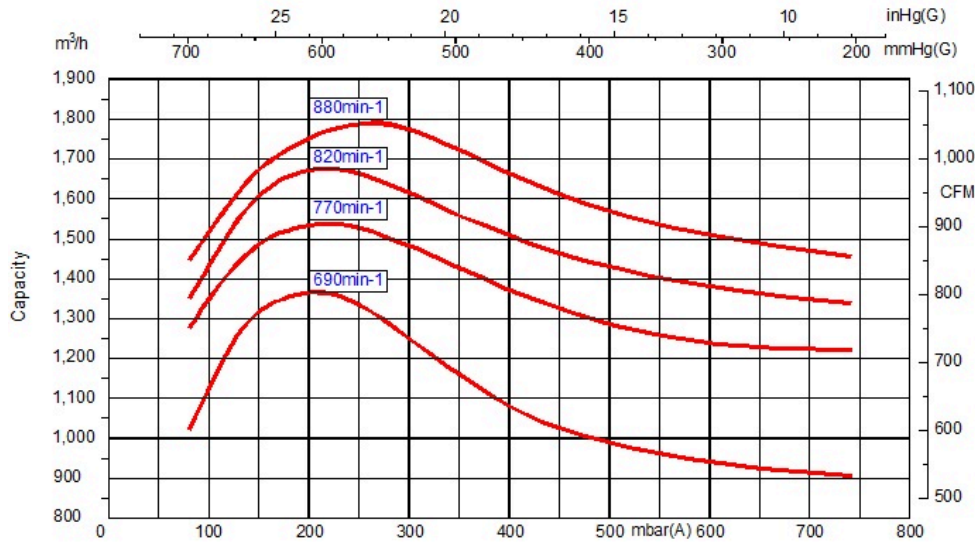


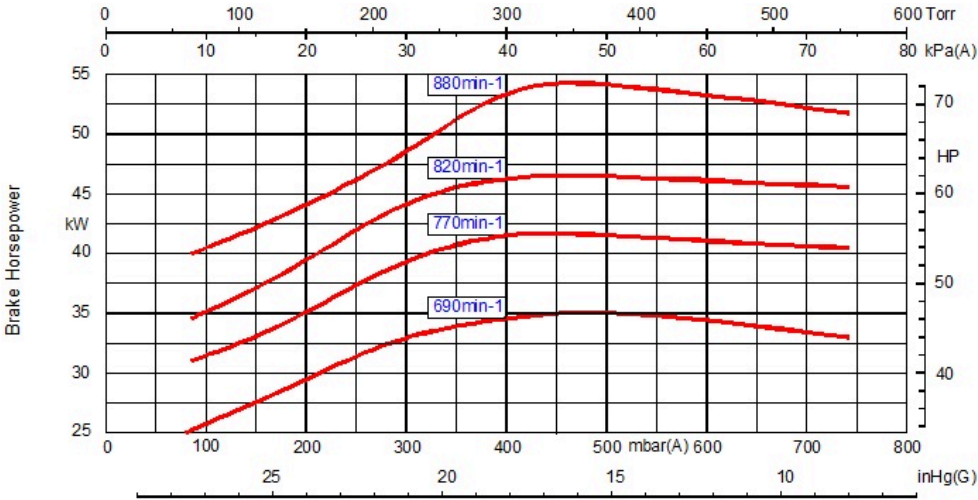
These performance curves are based on operating conditions with Dry air at a temperature of 20 oC, operating water at a temperature of 15 oC, and discharge pressure of 1013mbar with a tolerance of +/- 10%.

mbar(A)	Flow Requirement m3/hr					
RPM	200	300	450	600	700	800
690~880	6.8	6.8	4.5	4.5	4.5	4.5

Model: CNN - 1003

Performance Curves

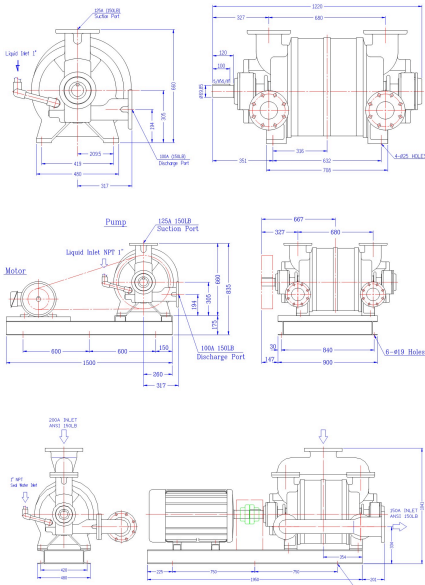




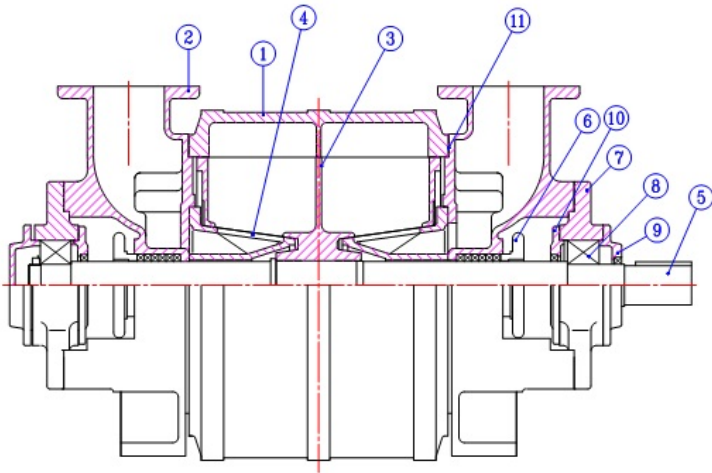
These performance curves are based on operating conditions with **Dry air** at a temperature of 20 oC, operating water at a temperature of 15 oC, and discharge pressure of 1013mbar with a tolerance of +/- 10%.

RPM	Flow Requirement m3/hr					
	100	200	400	600	700	800
690~880	6.8	6.8	4.5	4.5	4.5	4.5

Dimensions



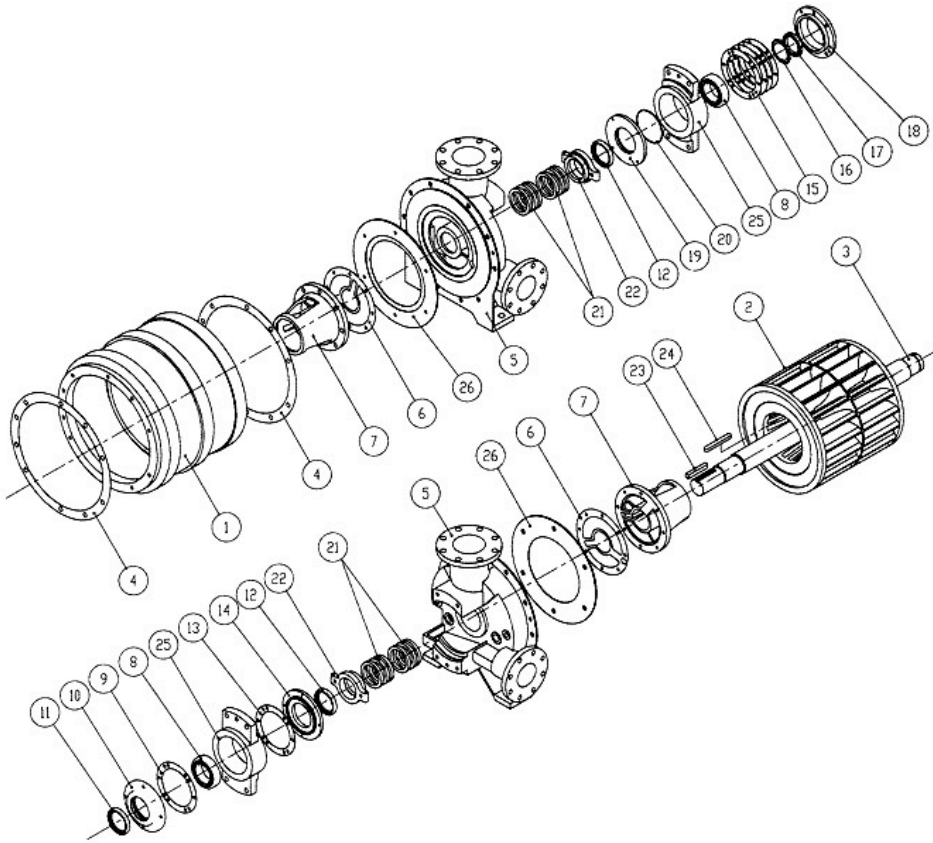
Section Drawing



Items	Name	No.
1	Housing	1
2	Heads	2
3	Impeller	1

4	Cones	2
5	Shaft	1
6	Packing Gland	1 set
7	Bearing Carrier	2
8	Bearing	2
9	OB Cap.	2
10	IB Cap	2
11	Gasket	1 set

Exploded View



Items	Name	Items	Name
1	Housing	14	L. I. B. Cap
2	Impeller	15	Shims
3	Shaft	16	Lock Washer
4	Housing Gasket	17	Lock Nut
5	Head	18	F. O. B. Cap
6	Cone Gasket	19	F. I. B. Cap
7	Cone	20	O Ring
8	Bearing	21	Packing Ring
9	L. O. B. Cap Gasket	22	Packing Gland
10	L. O. B. Cap	23	Shaft Key
11	Grease Seal	24	Impeller Key
12	Grease Seal	25	Bearing Carriers
13	L. I. B. Cap Gasket	26	Cladding Plate

