



HYDRAULIC PUMP SERIES

HIGH AND LOW PRESSURE COMBINATION PUMP

VP-30、VP40+SL

Specialty

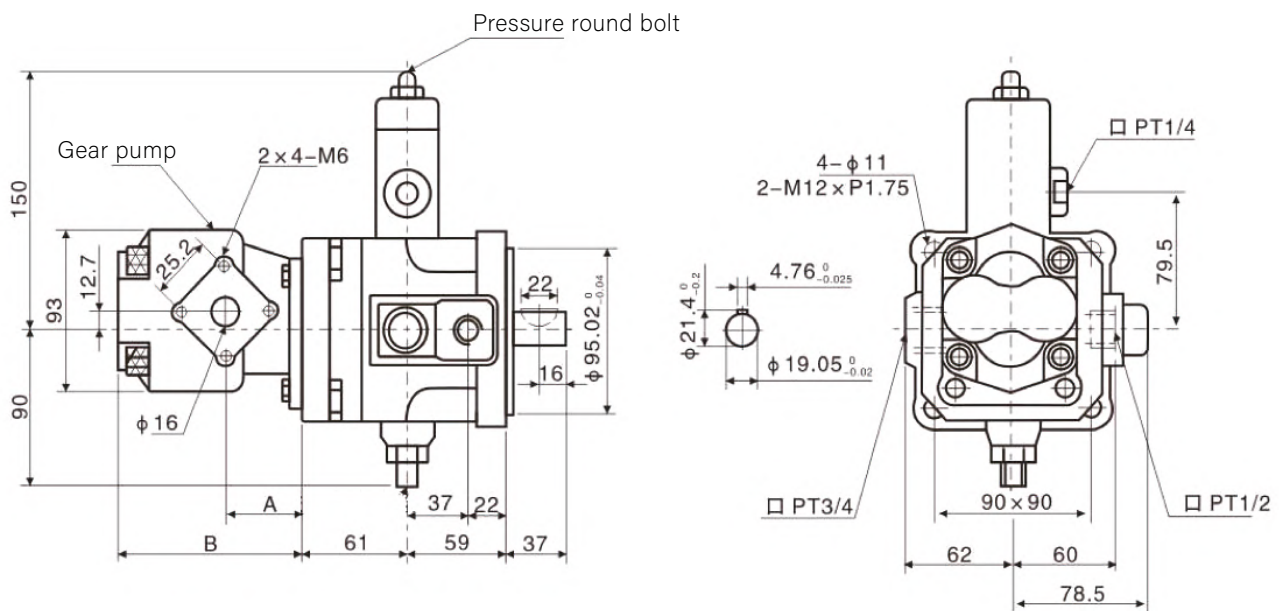
The pump is combined by low pressure variable vane pump and high pressure low flow ger pump.

Double variable pump is driven by same motor which save space of assembling.

It is easy to assemble and it could directly connect motor which form electric motor pump unit.



Outline dimensions



Model Instruction

VP	- 30	F	- A2	+ SL
Series number	Displacement	Installation type	Adjustment Range	Model of high pressure pump
Variable vane pump	As specification table	F: flange mountedtype	As specification table	GPY/HGP for choice

Specification

Type	Maximum working pressure	Displacement (cc/rev)	Flow when in heat load (rmp)		Pressure adjustment range	Revolution speed (rpm)	
			1500	1800		Min	Max
VP-30+SL	High: 21 Low: 7	16.7+SL	25+SL	30+SL	A1:0.8-3.5 A2:3.5-7.0	800	1800
VP-40+SL		22.2+SL	33.3+SL	40+SL			

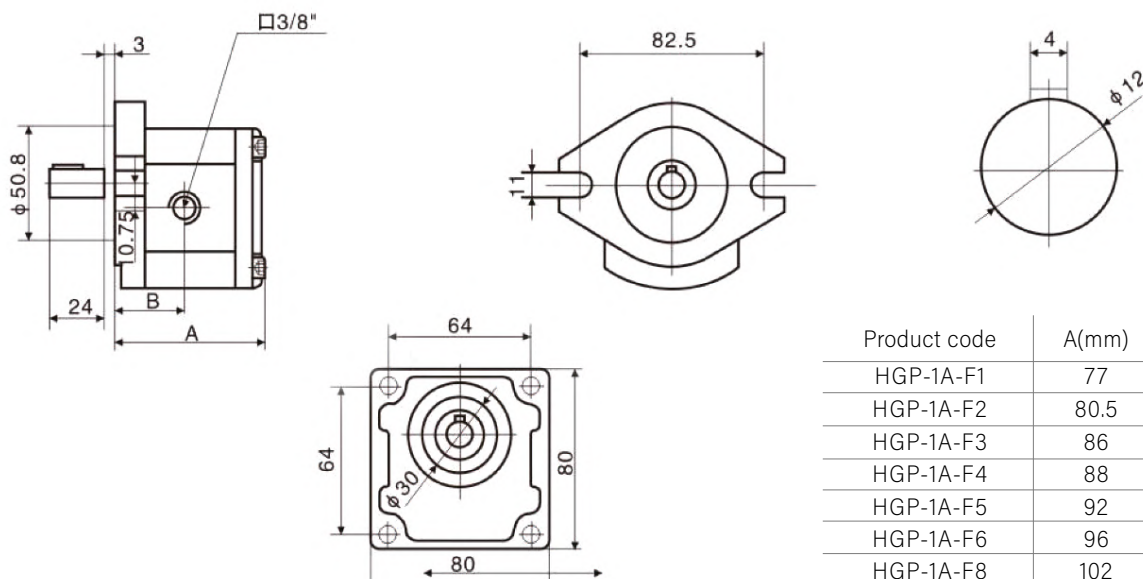
HGP-1A SERIES GEAR PUMP

Functions and features

1. High efficiency: Precise and meticulous structural design, this series of gear pumps have high volume rate and high mechanical efficiency.
2. Long service life: The high-wear bearing with excellent performance will not burn out when running under high pressure and high distance.
3. Light weight, compact and delicate structure.
4. The body is made of aluminum alloy, high-precision modeling design, low noise.
5. It is suitable for a wide range of equipment such as civil construction machinery, industrial vehicles, handling machinery, agriculture, forestry and fishery machinery.



Outline dimensions



Product code	A(mm)	B(mm)
HGP-1A-F1	77	36.5
HGP-1A-F2	80.5	40.25
HGP-1A-F3	86	43
HGP-1A-F4	88	44
HGP-1A-F5	92	46
HGP-1A-F6	96	48
HGP-1A-F8	102	51

Model Instruction HGP-1A-F3-RX2B

HGP-2A	- F	3	- R	X	2B
Series number	Mounting	Displacement	Rotation	Spindle type	Flange type
HGP-1A Gear pump	F: Flange L: Foot	1 - 8 Performance parameters table	Clockwise is omitted Counterclockwise	Omit Standard shaft flat key	2B or omitted: Two hole installation type (standard) 4 BJ or omitted: Four hole installation type (standard)

Specification

Model	Displacement (cc/rev)	Rated pressure (MPa)	Max pressure (MPa)	Speed			Size		Weight (kg)
				Rated	Max	Min	Inlet	Outlet	
HGP-1A-F1	1	18	21	1500	4500	1000	3/8"PT	3/8"PT	1.0
HGP-1A-F2	2					600			1.05
HGP-1A-F3	3								1.15
HGP-1A-F4	4				4000	1.18			
HGP-1A-F5	5					3200			1.2
HGP-1A-F6	6	16	18		1/2"PT		1.3		
HGP-1A-F8	7.8					1.3			

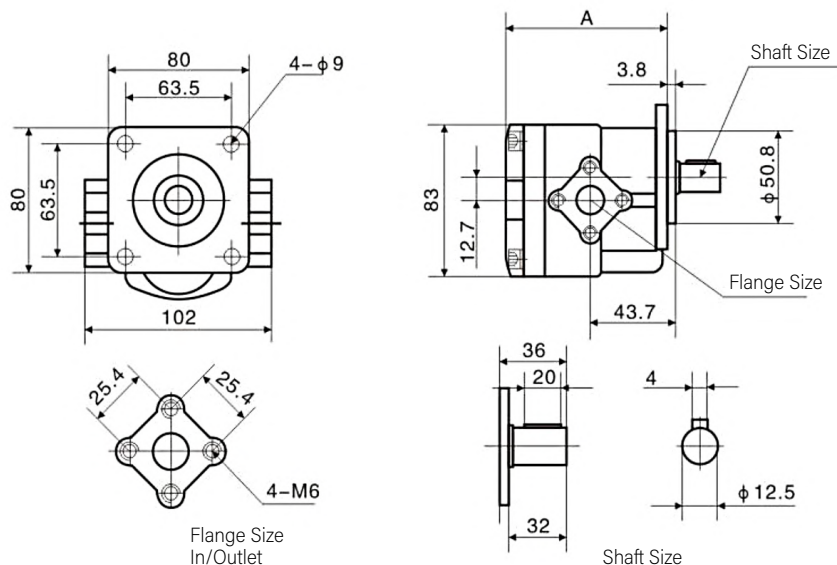
HGP-2A SERIES GEAR PUMP

Functions and features

1. High efficiency: Precise and meticulous structural design, this series of gear pumps have high volume rate and high mechanical efficiency.
2. Long service life: The high-wear bearing with excellent performance will not burn out when running under high pressure and high distance.
3. Light weight, compact and delicate structure.
4. The body is made of aluminum alloy, high-precision modeling design, low noise.
5. It is suitable for a wide range of equipment such as civil construction machinery, industrial vehicles, handling machinery, agriculture, forestry and fishery machinery.



Outline dimensions



Product code	A(mm)
HGP-2A-F2	77
HGP-2A-F3	80.5
HGP-2A-F4	86
HGP-2A-F6	88
HGP-2A-F8	92
HGP-2A-F9	96
HGP-2A-F11	102

Model Instruction HGP-2A-F3-RX2B

HGP-2A	- F	3	- R	X	4B
Series number	Mounting	Displacement	Rotation	Spindle type	Flange type
HGP-2A Gear pump	F: Flange L: Foot	3 - 12 Performance parameters table	Clockwise is omitted Counterclockwise	Omit Standard shaft flat key	4BJ or omitted: Four hole installation type (standard)

Specification

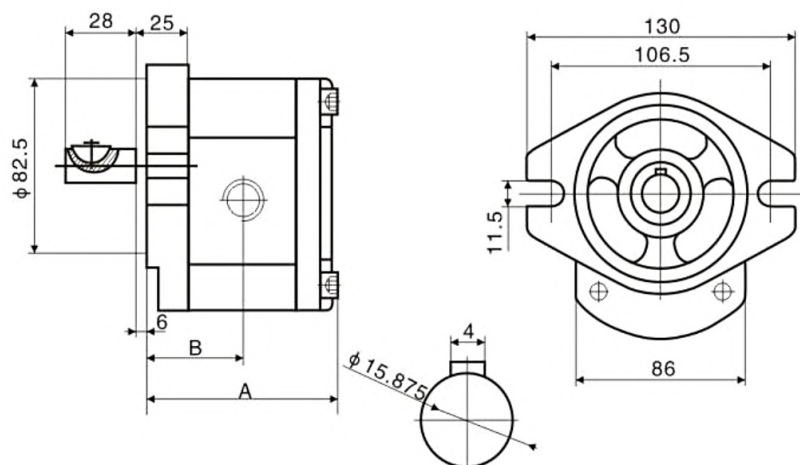
Model	Displacement (cc/rev)	Rated pressure (MPa)	Max pressure (MPa)	Speed			Size		Weight (kg)	
				Rated	Max	Min	Inlet	Outlet		
HGP-2A-F2	2	18	21	1500	5000	900	φ 14.5 Flange	φ 14.5 Flange	1.63	
HGP-2A-F3	3					850			1.63	
HGP-2A-F4	4				4500	800			1.67	
HGP-2A-F6	6				3500	700			1.69	
HGP-2A-F8	7.5				3000	600			1.72	
HGP-2A-F9	9	15	17.5		2500	550			1.75	
HGP-2A-F11	10.5				2000	500			1.77	
HGP-2A-F12	12								1.80	

HGP-3A SERIES GEAR PUMP

Functions and features

1. High efficiency: Precise and meticulous structural design, this series of gear pumps have high volume rate and high mechanical efficiency.
2. Long service life: The high-wear bearing with excellent performance will not burn out when running under high pressure and high distance.
3. Light weight, compact and delicate structure.
4. The body is made of aluminum alloy, high-precision modeling design, low noise.
5. It is suitable for a wide range of equipment such as civil construction machinery, industrial vehicles, handling machinery, agriculture, forestry and fishery machinery.

Outline dimensions



Product code	A(mm)	B(mm)
HGP-3A-F6	89	44.5
HGP-3A-F8	90.5	45.25
HGP-3A-F11	93	46.5
HGP-3A-F13	95	47.5
HGP-3A-F14	96	48
HGP-3A-F17	98	49
HGP-3A-F19	100	50
HGP-3A-F23	103.5	51.75
HGP-3A-F25	105	52.5
HGP-3A-F28	107	53.5
HGP-3A-F30	109	54.5

Model Instruction HGP-3A-F6-RX2B

HGP-3A	- F	3	- R	X	2B
Series number	Mounting	Displacement	Rotation	Spindle type	Flange type
HGP-3A Gear pump	F: Flange L: Foot	6 - 30 Performance parameters table	Clockwise is omitted Counterclockwise	Omit Standard shaft flat key	2B or omitted: Two hole installation type (standard) 4BJ or omitted: Four hole installation type (standard)

Specification

Model	Displacement (cc/rev)	Rated pressure (MPa)	Max pressure (MPa)	Speed			Size		Weight (kg)
				Rated	Max	Min	Inlet	Outlet	
HGP-3A-F6	6	18	21	1800	3000	700	3/4"PT	1/2"PT	2.25
HGP-3A-F8	8.4					2.40			
HGP-3A-F11	11					2.55			
HGP-3A-F13	12					2.70			
HGP-3A-F14	14.3					2.85			
HGP-3A-F17	16					3.05			
HGP-3A-F19	19.2					3.20			
HGP-3A-F23	23	14	17.5			400	1"PT	3/4"PT	3.5
HGP-3A-F25	25								3.5
HGP-3A-F28	28								3.9
HGP-3A-F30	30								4.2

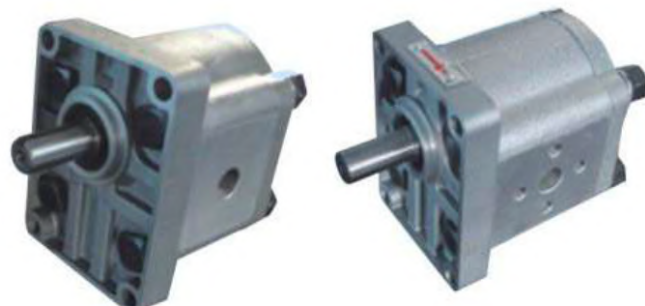
CBN-300 SERIES GEAR PUMP

Functions and features

CBN-300 series gear pump is the power element in the hydraulic system. The pump uses high precision gears, high-strength aluminum alloy shells, and floating sleeves make it simple in structure, light and weight.

The advantages of efficiency, low noise, reliable use, etc., are widely used in automobiles, construction machinery, and cranes.

Transmission machinery, mining machinery, light industry machinery, agricultural machinery, industrial automation and other hydraulic systems.



Model Instruction

CB N - E 3 * ** F * *

Gear Pump

Structure Code

Rated Pressure: E16MPa

Gear modulus: m=3

Nominal Displacement ml/r:
4, 6, 8, 10, 12, 14, 16, 20, 25

Rotation:
Right (Clockwise)
Left (Counter clockwise)

Shaft End:
P-Plan Key B-Flat End
S-Taper Key
H-Rectangle spline
Z-Woodruff

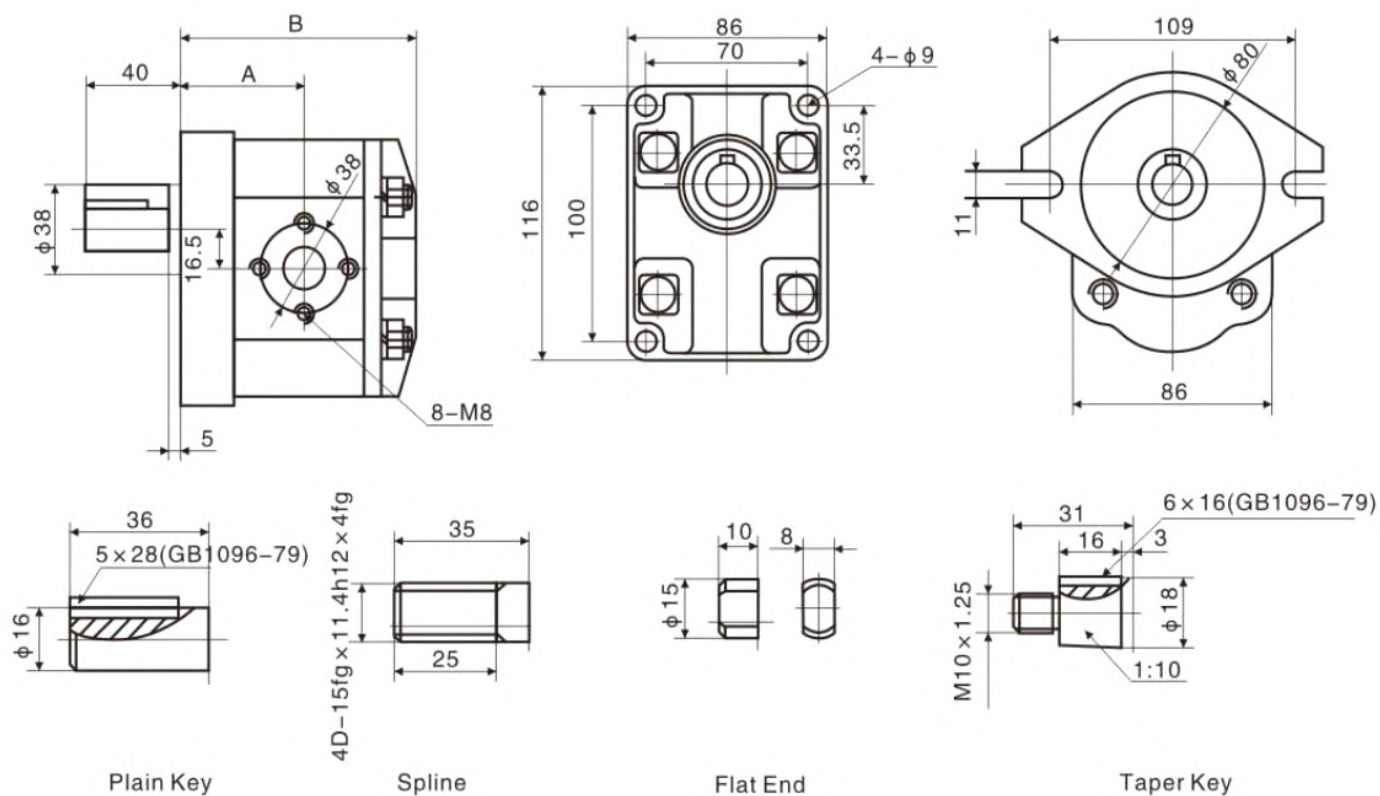
Oil in/outlet:
F:Flange L:Screw

Mounting:
A:Oval
C:Square
T:Special

Specification

Model	Nominal displacement (ml/r)	Pressure (MPa)		Speed (r/min)		Volumetric efficiency (≥%)	Input power (kw)
		Rated	Max	Rated	Max		
CBN-E304	4	16	20	2000	3000	≥92	3.0
CBN-E306	6						4.6
CBN-E308	8						6.1
CBN-E310	10						7.7
CBN-E312	12						9.0
CBN-E314	14						10.3
CBN-E316	16						12.8
CBN-E320	20						16.1
CBN-E325	25						17.4

Outline dimensions



Specification

Model	A (mm)	B (mm)	D(mm)	
			Inlet	Outlet
CBN-E304	43.3	98.5	φ 14 (M20x1.5,ZG1/2")	φ 14 (M18x1.5,ZG3/8")
CBN-E306	45	102		
CBN-E308	46.5	105		
CBN-E310	48	108	φ 14 (M20x1.5,ZG3/4")	φ 14 (M18x1.5,ZG1/2")
CBN-E312	48	111		
CBN-E314	51	114		
CBN-E316	52.5	117		
CBN-E320	56	124		
CBN-E325	60	130		

CBN-F300 SERIES GEAR PUMP

Functions and features

CBN-300 series gear pump is the power element in the hydraulic system. The pump uses high precision gears, high-strength aluminum alloy shells, and floating sleeves make it simple in structure, light and weight.

The advantages of efficiency, low noise, reliable use, etc., are widely used in automobiles, construction machinery, and cranes.

Transmission machinery, mining machinery, light industry machinery, agricultural machinery, industrial automation and other hydraulic systems.



Model Instruction

CB N - F 3 * ** F * *

Gear Pump

Structure Code

Rated Pressure: F20MPa

Gear modulus: m:3

Nominal Displacement ml/r:
4, 6, 8, 10, 12, 14, 16, 20, 25

Rotation:
Right (Clockwise)
Left (Counter clockwise)

Shaft End:
P- Plan Key B- Flat End
S- Taper Key
H- Rectangle spline
Z- Woodruff

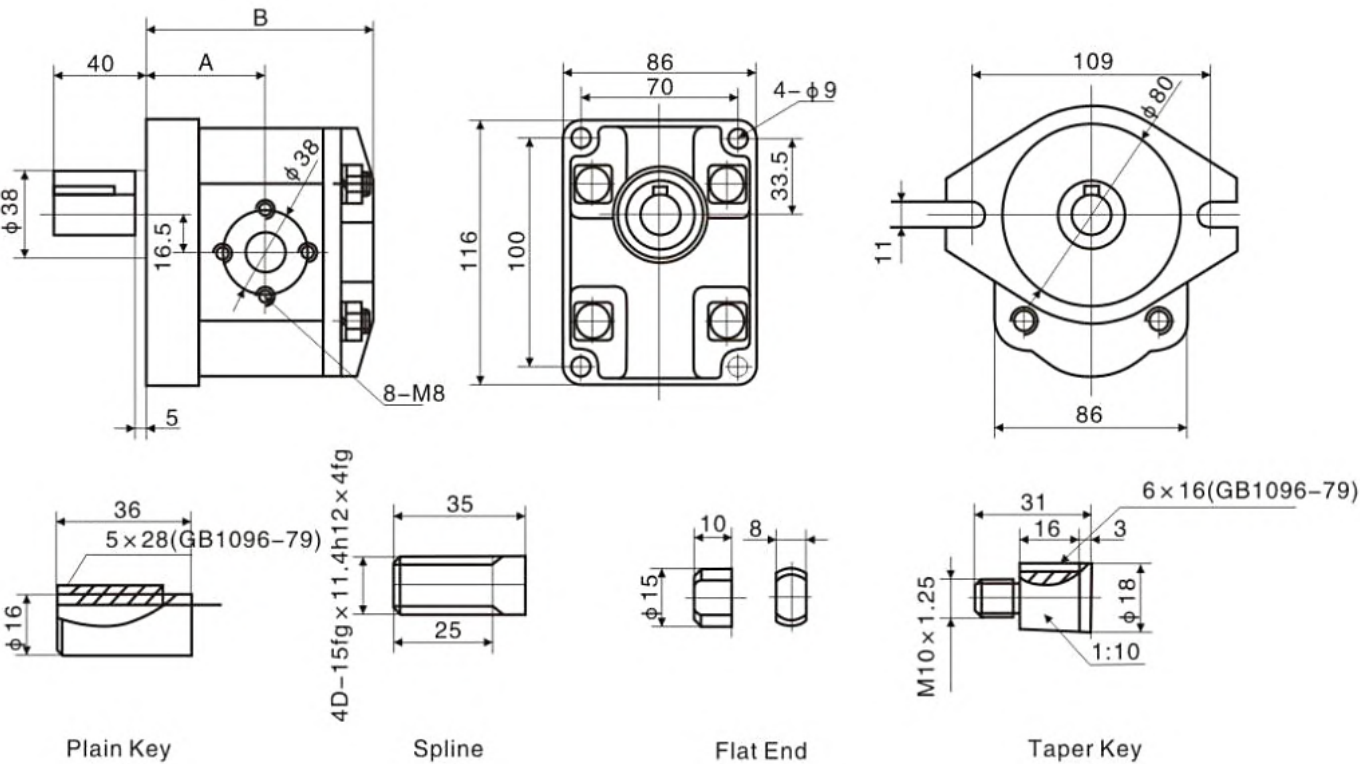
Oil in/outlet:
F: Flange L: Screw

Mounting:
A: Oval
C: Square
T: Special

Specification

Model	Nominal displacement (ml/r)	Pressure (MPa)		Speed (r/min)		Volumetric efficiency (≥%)	Input power (kw)
		Rated	Max	Rated	Max		
CBN-F304	4	20	25	2000	3000	≥92	3.8
CBN-F306	6						5.7
CBN-F308	8						7.6
CBN-F310	10						9.6
CBN-F312	12						11.2
CBN-F314	14						12.5
CBN-F316	16						15
CBN-F320	20						20
CBN-F325	25						21

Outline dimensions



Specification

Model	A (mm)	B (mm)	D(mm)	
			Inlet	Outlet
CBN-F304	43.3	98.5	φ 14 (M20x1.5,ZG1/2")	φ 10 (M18x1.5,ZG3/8")
CBN-F306	45	102		
CBN-F308	46.5	105		
CBN-F310	48	108	φ 18 (M20x1.5,ZG3/4")	φ 14 (M18x1.5,ZG1/2")
CBN-F312	48	111		
CBN-F314	51	114		
CBN-F316	52.5	117		
CBN-F320	56	124		
CBN-F325	60	130		