



SUPERIOR[®]

TRANSMISSION



2LB Series - Twin Screw Pump

A 2LB twin screw pump is a horizontal, self-priming, positive displacement pump designed to handle a wide variety of liquids, including oils, chemicals, and high-viscosity fluids like crude oil, bitumen, honey, and pastes.



Pump Instruction

Application fields of twin screw pump:

1. Oil field: transporting a variety of oil, sewage, sump oil, polymer, crude oil (oil-gas mixture transportation).
2. Ship-building industry: used as marine cargo oil pump, sweeping-cabin pump, marine ballast pump, main engine lubricating oil pump, loading pump and so on.
3. Transportation and storage of petroleum product: used for oil storage, wharf, loading and unloading oil and transferring various oil products.
4. Petrochemical industry: a transportation and ejection pump for all kinds of acid, alkali, saline liquid and resin, pigment, printing ink, paint, glycerol, paraffin and so on.
5. Thermal power plant: as heavy oil and thick oil transfer pump, heavy oil and fuel pump, fuel ejection pump.
6. Food industry: to transport alcohol, honey, syrup, toothpaste, milk, cream, soy, plant oil, animal oil, wine and so on in distillery, food products factory, canning factory and so on.
7. Paint industry: the barrel loading pump and backward pump for coatings, painting and so on.

Advantages of twin screw pump:

1. Simple structure, high-self-absorbing capacity.
2. No stir., no pulsation, delivery is smooth, no emulsifying shearing for transporting media.
3. High efficiency, long life span.
4. Different models apply to different purpose.
5. Capable to transport the mixture of gas and liquid.
6. Capable to transport volatile oil at high temperature; E.G. gasoline.

Performance of twin screw pump:

1. Flow rate: 15 ~ 1500m³/h
2. Pressure: 0~1.0Mpa
3. Viscosity: 0~1500mm²/s

Types

1. Installation type: horizontal type.
2. Structure type: casting type and welding type.
3. Warming type: according to the demands of media, it can be warmed up.
4. Material: the materials of pump body contain cast-steel, cast-iron, Q235 steel, 304 stainless steel, 316L stainless steel and so on. The materials of the screw cover Cast copper, cast-steel, normal steel, 304 stainless steel, 316L stainless steel and so on, customers can choose appropriate materials based on their different working situation.

The structure and work principles

1. The pump consist of pump body, driving and driven screws, axle sealing, synchromesh gear and safety valve, etc.
2. There is no thread in the middle of the screw, and there are rectangular curved threads on the left and right sides of the screw in the opposite direction. There are certain gap requirements between the pump body and the main and passive screw to ensure the pump's self-absorption performance and the main and passive screw meshing with each other.
3. The working principle of the pump: Start the prime mover. drive the active screw through the coupling, driver the active screw through the coupling, drive through a air of synchronous gears, so that the main and passive screw generate meshing rotation, so that the suction mouth of the pump cavity produces a vacuum and the medium enters both ends of the cavity.
4. Under the action of the main and passive screw, the medium is inhaled into the middle exit of the pump.
5. Safety valve working principle: The safety valve is installed on the side of the pump body. The normal starting pressure is set to 1.05 ~ 1.1 times the working pressure when the normal starting pressure is delivered. When the working pressure of the pump exceeds this value, the safety valve automatically jumps. When the output line pressure is lower than the starting pressure, The relief valve will be reset and the pump will continue to work normally. When the actual pressure of the pump changes greatly, it can be adjusted according to the operating conditions.

Screw pump operation instructions and attention points

1. Mounting the pump and prime mover on the sufficient strength pedestal that can prevent the component damaged by vibration and ensure the pump work regularly.
2. Requirements for the connection of the pump and power should not lower than government standard.
3. The steering of the pump is generally in the form of facing the input is generally in the form of facing the pump input shaft suction port on the right, the exit is on the top, the rotation directions is clockwise, and the input shaft is right-handed. If you need to order in other forms, you must explain.
4. Necessary to add filter, and the filter's specification is 30 mesh. The filter flow area should be more than 3 ~ 4 times of the input area of pump.
5. The size of pipe must be no difference with that of pump input and output mouth, otherwise, it will effect pump using performance.
6. Clear all pipe and filter before the first time using, to make sure pump work normally.
7. Before pump starting up, all valve on pipe must be open. After Normal working, it can be adjusted according to practical need.
8. After pump starting up, notice the pump vacuum value, if no vacuum after 1 minute, the pump should be stopped and checked.
9. When using pump to sweep cabin, race rotation ran not to exceed 3 minutes, in case of the damaged of seal.
10. The gear oil should use 150# middle load gear oil. Check oil level of gear box frequently to make sure pump working normally. When working normally, the temperature of oil in gear box do not exceed 65°C. When pump work for long time, the temperature do not exceed 75°C.
11. Bearings lubricating oil adopts lithium-based lubricating grease and should be refueled regularly.
12. The pump of the closed shaft cover has a leak hole under the left and right shaft cover. It is used to observe whether the seal is damaged and thus produces leaks. It can not be connected to other pipes or sealed to prevent damage to the bearing. If the leak is found, the pump repair needs to be stopped. Slight leakage can not be overhauled and can be collected in general containers.
13. The pump's flow rate is too large and its pressure is too high, according to different conditions, bearing and gear box is equipped with the water circulating cooling water is about 2m³/h.
14. When transporting high viscosity media, it should use the pump equipped with heating system.

Common troubles and its solving methods

1. The pump cannot aspirate oil or displacement was not suit for rating
 - a. May be input pipe laking, the vacuum cannot be formed check the leaking part, and then tighten then bolt or replace the wahser.
 - b. The screw and the pump body could be abraded greatly after using for a long time replace screw and pump body.
 - c. The vacuum degree of inlet is extra high, and the screw pump vibrates intensively check whether the filter or pipe blocked up.
 - d. The axle seal damaged and the air enter the pump, which make the pump cavity antivacuum replace the damaged axle seal.
 - e. After open the safety valve, please adjust valve or replace spring if the pressure can not reach requirements.
 - f. Safety valve interior has impurities to cause unsealing clean rubbish to reach the sealing requirement.
2. If unusual noise, smoky and stop happen to the pump, the temperature of bearings and gears is higher than the standard.
 - a. Driving screw and driver screw pump against the pump body caused by the damaged bearing replace the bearing.
 - b. The bearing is lack of oil or damaged making the pump stop oiling or replace the bearing.
 - c. The impurities gets into clean the pump cavityand repair it.
 - d. The gearbox is lack of oil or the oil mixed by impurities or water oiling or replace the gearbox oil.
 - e. The damaged gears caused by lack of oil replace the gears; after replace, put the screw gap in the middle place to avoid screw collision when working.

Assemble and disassemble of screw pump

1. Disassemble of the pump input axle end

1.1 Disassemble

- a. Disassemble the shaft coupling, take down the pain key.
- b. Remove the both end shaft-cup.
- c. Removed the bearing and retaining washer.
- d. Utilize the four screw holes on the shaft bracket forcefully.
- e. When remove the bearing of the shaft bracket, pay attention to adjusting washer under the bearing, and do not misplace it.
- f. Check whether the seal bearing are damaged, replace the damaged unit.
- g. Pull out the screw to check for damage and impurities, it is unnecessary to pull out the screw if there is no impurities in the pump cavity.

1.2 Assemble.

- h. Assemble the shaft bracket, insert locating pin tightly before tighten the bolt.
- i. Put adjusting washer into the place of disassembled, if framework oil seal on the adjusting washer is damaged, replace it.
- j. Assemble the bearing, retaining washer and bearing nut (assemble bearing with exclusive sleeve tool).
- k. Assemble several coupling of two bearing end shaft-cup.

2. Disassemble of the pump gear box end.

2.1 Disassemble

- a. Disassemble the gear box
- b. Remove gear compression nut and retaining washer, do not mistake the direction and place of gear.
- c. The rest steps are the same as the above c~f

2.2 Assemble

- d. The same as the above 1.2 h~i.
- e. According to the direction and place of disassembled, assemble gear, retaining washer and gear compression nut.
- f. Assemble gear box and add gear oil.
- g. After finish assembling, running the screw to check whether it is flexible, if there is no problem, assemble the shaft coupling.

speed n=960r/min																			
size	Delivery pressure MPa	Viscosity mm ² /s																	
		1		10		20		40		75		150		300		750		1500	
		flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW
2GC 2LB/6	0.2	6.2	2.1	6.3	2.6	6.4	2.8	6.5	3.4	6.6	3.9	6.7	4.7	6.8	5.8	7.0	7.7	7.1	8.7
	0.4	5.9	2.8	6.0	3.0	6.1	3.5	6.3	3.9	6.4	4.4	6.5	5.3	6.6	6.4	6.8	8.2	6.9	9.3
	0.6	5.5	3.4	5.6	3.7	5.8	4.1	6.1	4.4	6.2	5.1	6.3	6.0	6.4	7.0	6.6	8.9	6.7	9.9
	0.8	5.1	3.9	5.2	4.3	5.5	4.6	5.8	5.1	6.0	5.7	6.1	6.5	6.2	7.7	6.4	9.5	6.5	10.4
	1.0	4.8	4.6	4.9	4.9	5.2	5.3	5.5	5.7	5.8	6.3	5.9	7.1	6.0	8.2	6.2	10.0	6.3	11.1
2GC 2LB/12	0.2	12.7	2.9	12.9	3.4	13.1	3.7	13.3	4.3	13.5	5.0	13.6	5.9	13.7	8.2	13.8	9.3	14.0	10.6
	0.4	12.1	4.2	12.4	4.5	12.6	5.0	12.8	5.6	13.0	6.1	13.1	7.0	13.2	8.4	13.3	10.6	13.5	11.6
	0.6	11.4	5.5	11.8	5.8	12.1	6.1	12.3	12.6	12.6	7.4	12.6	8.3	12.8	9.6	12.9	11.6	13.1	13.0
	0.8	10.7	6.7	11.2	7.1	11.6	7.4	11.8	7.9	12.0	8.6	12.1	9.6	12.3	10.9	12.5	13.0	12.7	14.3
	1.0	10.1	7.7	10.6	8.2	11.1	8.6	11.2	9.2	11.4	10.3	11.6	10.9	11.5	12.1	12.1	14.3	12.1	15.3
2GC 2LB/15	0.2	16.5	3.4	16.7	3.9	17.0	4.2	17.2	4.7	17.4	5.6	17.6	6.6	17.8	7.8	18.0	10.2	18.2	11.4
	0.4	16.0	4.9	16.2	5.3	16.5	5.7	16.7	6.3	16.9	7.0	17.2	8.1	17.3	9.3	17.5	11.6	17.8	12.8
	0.6	15.4	6.4	15.7	6.8	16.0	7.3	16.1	7.8	16.2	8.5	16.7	9.6	16.8	10.9	17.0	13.1	17.5	14.4
	0.8	14.8	7.8	15.2	8.4	15.3	8.8	15.4	9.3	15.4	10.0	16.2	11.1	16.3	12.4	16.6	14.6	17.1	15.9
	1.0	14.3	8.7	14.4	9.6	14.5	10.3	14.6	10.9	14.6	11.6	15.7	12.5	15.8	13.9	16.2	16.1	16.7	17.4
2GC 2LB/25	0.2	26.5	6.7	27.2	7.7	27.9	8.6	28.6	9.9	29.5	11.7	30.2	14.0	30.9	17.2	31.7	22.4	32.5	25.3
	0.4	25.0	8.9	25.8	10.1	26.5	10.9	27.3	12.3	28.2	13.9	28.9	16.4	29.6	19.4	30.4	24.6	31.1	27.6
	0.6	23.5	11.1	24.3	12.3	25.1	13.2	25.9	14.3	26.7	16.2	27.6	18.7	28.3	21.7	29.1	27.0	29.9	30.0
	0.8	22.0	13.4	22.8	14.6	23.6	15.4	24.5	16.8	25.5	18.4	26.2	20.1	26.9	23.9	27.7	29.2	28.5	32.1
	1.0	20.4	15.9	21.3	16.8	22.0	17.6	24.1	19.0	24.3	20.7	25.0	23.2	25.7	26.3	26.4	31.6	27.1	34.5
2GC 2LB/35	0.2	37.6	10.5	38.8	11.7	40.4	12.5	40.7	13.1	41.1	15.3	41.6	17.9	42.1	20.8	42.7	25.8	43.2	28.5
	0.4	36.2	13.9	37.0	14.8	39.5	15.8	38.9	16.9	39.6	18.7	40.2	21.0	40.8	23.9	41.5	29.0	42.1	31.8
	0.6	34.6	17.2	35.2	18.1	37.5	18.9	37.0	20.3	38.1	21.8	38.7	24.2	39.4	27.1	40.2	32.2	41.0	34.9
	0.8	32.9	20.3	33.5	21.3	35.4	22.3	35.0	23.5	36.5	25.0	37.2	27.4	38.0	30.4	38.8	35.5	39.8	38.3
	1.0	31.2	23.5	32.0	24.6	33.3	25.5	33.4	26.7	35.0	28.4	35.5	30.6	36.4	33.5	37.3	38.7	38.6	41.5
2GC 2LB/50	0.2	53.0	12.6	53.5	13.8	54.7	14.6	54.9	16.0	55.8	17.9	56.7	20.2	57.7	23.4	58.8	28.8	60.0	31.8
	0.4	50.7	16.7	51.4	17.9	52.1	18.8	53.0	20.2	54.0	21.8	54.8	24.4	55.7	27.4	56.7	32.8	57.7	35.7
	0.6	48.4	20.9	49.2	21.9	50.0	22.9	51.1	24.2	52.1	25.9	52.9	28.4	53.6	31.6	54.5	37.0	55.4	39.9
	0.8	46.0	24.9	47.0	26.0	48.0	27.0	49.1	28.4	50.2	30.0	50.9	26.0	51.6	35.6	52.3	41.1	53.0	44.0
	1.0	43.6	29.1	44.8	30.1	45.9	31.1	47.0	32.4	48.1	34.1	48.8	36.7	49.8	39.8	50.6	45.2	51.4	48.1
2GC 2LB/80	0.2	92.0	13.0	93.0	14.4	93.9	15.4	94.0	17.3	94.5	19.5	95.0	22.5	96.0	26.6	97.0	33.5	98.0	37.5
	0.4	86.5	20.0	87.8	21.5	88.7	22.7	89.8	24.4	91.0	26.6	91.8	29.8	93.0	33.9	94.2	40.8	95.4	44.5
	0.6	81.0	27.3	82.7	26.0	84.2	29.8	85.7	31.6	87.5	33.6	88.7	37.0	90.0	41.1	91.4	47.9	92.7	51.7
	0.8	75.0	34.6	77.5	36.0	79.5	37.0	81.5	38.9	84.0	41.1	88.5	44.1	87.0	48.3	88.5	55.1	90.0	58.9
	1.0	70.0	41.6	73.0	43.0	74.2	44.3	77.8	45.9	80.0	48.3	82.0	54.6	84.0	55.4	85.5	62.4	87.0	66.1
0.04MPa										The above values is at vacuum value of 0.04MPa									

speed n=960r/min																				
size	Delivery pressure MPa	Viscosity mm ² /s																		
		1		10		20		40		75		150		300		750		1500		
		flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	
2GC 2LB/ 100	0.2	105.0	14.0	108.0	15.5	110.0	16.8	112.0	18.7	114.0	21.0	116.0	24.4	118.0	28.5	120.0	35.7	122.0	39.8	
	0.4	102.0	22.3	104.0	23.7	106.0	24.9	108.0	26.7	110.0	29.9	113.0	32.5	114.0	36.2	116.0	43.8	118.0	47.9	
	0.6	98.0	30.4	100.0	31.9	102.0	32.9	104.0	34.9	106.0	37.1	110.0	40.5	110.0	44.7	112.0	52.1	114.0	55.9	
	0.8	93.0	38.4	96.0	39.9	98.0	41.2	100.0	43.0	102.0	46.1	106.0	48.7	106.0	52.9	108.0	60.0	110.0	64.1	
	1.0	88.0	45.5	92.0	48.0	94.0	49.3	96.0	51.2	98.0	53.5	102.0	56.7	102.0	60.0	104.0	68.2	106.0	72.3	
2GC 2LB/ 120	0.2	131.0	21.5	132.0	21.7	133.0	22.3	134.0	23.4	135.0	25.5	136.0	27.8	137.0	31.7	138.0	35.8	138.0	41.6	
	0.4	125.0	27.3	127.0	28.3	128.0	29.1	129.0	30.2	130.0	32.6	132.0	36.3	133.0	39.6	135.0	44.2	135.0	47.6	
	0.6	118.0	34.3	121.0	36.0	123.0	36.1	124.0	38.4	125.0	40.6	126.0	45.0	129.0	47.8	131.0	52.5	131.0	55.6	
	0.8	113.0	43.4	115.0	44.1	117.0	45.0	119.0	47.3	121.0	48.8	123.0	52.7	125.0	56.3	127.0	59.7	129.0	63.7	
	1.0	108.0	52.2	110.0	52.9	112.0	53.9	114.0	56.3	116.0	57.9	119.0	61.7	121.0	65.5	123.0	68.8	125.0	72.8	
2GC 2LB/ 150	0.2	152.0	24.8	155.0	25.4	158.0	26.4	161.0	28.1	164.0	31.0	166.0	34.2	169.0	38.3	172.0	44.1	175.0	49.9	
	0.4	148.0	32.2	151.0	32.9	154.0	34.9	157.0	36.7	160.0	40.0	162.0	42.3	165.0	46.5	168.0	53.8	171.0	58.6	
	0.6	143.0	40.5	146.0	41.4	149.0	43.9	152.0	45.4	155.0	49.2	158.0	51.9	161.0	56.7	164.0	62.9	167.0	68.4	
	0.8	138.0	49.5	141.0	50.7	144.0	52.7	147.0	55.2	150.0	59.7	153.0	62.4	156.0	67.7	159.0	73.1	162.0	79.9	
	1.0	133.0	59.9	136.0	61.1	139.0	62.9	142.0	66.1	145.0	71.0	148.0	73.8	151.0	79.3	155.0	84.9	158.0	92.0	
2GC 2LB/ 200	0.2	209.0	34.2	209.0	34.6	210.0	36.2	211.0	38.0	212.0	40.0	213.0	43.8	214.0	48.4	215.0	55.1	216.0	61.6	
	0.4	205.0	44.7	205.0	44.2	206.0	46.6	207.0	47.8	209.0	50.1	210.0	54.3	211.0	58.2	212.0	67.5	218.0	73.0	
	0.6	201.0	56.3	202.0	57.1	203.0	58.1	203.0	59.3	205.0	62.6	206.0	65.6	207.0	71.7	208.0	79.7	209.0	85.6	
	0.8	196.0	69.6	198.0	70.5	199.0	71.7	199.0	72.9	200.0	75.7	201.0	79.6	202.0	85.6	203.0	94.2	204.0	101.0	
	1.0	191.0	83.8	194.0	84.7	196.0	85.8	196.0	87.1	197.0	89.1	198.0	93.4	199.0	99.8	200.0	108.0	201.0	115.0	
2GC 2LB/ 250	0.2	260.0	41.5	262.0	42.9	264.0	44.1	266.0	47.9	268.0	50.0	269.0	53.2	270.0	56.7	271.0	64.5	273.0	72.0	
	0.4	256.0	47.0	258.0	48.8	260.0	50.8	262.0	53.4	264.0	56.8	265.0	62.6	266.0	69.8	267.0	81.9	269.0	88.9	
	0.6	252.0	57.8	254.0	62.3	256.0	66.7	258.0	70.8	260.0	74.8	261.0	79.9	262.0	87.1	263.0	99.5	265.0	106.0	
	0.8	248.0	69.0	250.0	75.5	252.0	81.4	254.0	87.6	256.0	93.8	257.0	97.3	257.0	105.0	258.0	116.0	260.0	121.0	
	1.0	244.0	82.4	246.0	88.7	248.0	95.7	250.0	104.0	251.0	110.0	255.0	114.0	254.0	122.0	255.0	134.0	256.0	137.0	
2GC 2LB/ 300	0.2	316.0	47.3	320.0	49.9	320.0	52.3	321.0	55.9	322.0	59.2	323.0	63.5	324.0	67.9	325.0	77.3	326.0	85.5	
	0.4	310.0	57.0	312.0	60.3	313.0	63.8	314.0	66.2	315.0	69.7	317.0	76.2	318.0	84.3	320.0	97.9	322.0	106.0	
	0.6	303.0	73.1	305.0	77.5	306.0	81.8	307.0	84.3	308.0	89.1	310.0	95.0	312.0	104.0	315.0	118.0	317.0	125.0	
	0.8	296.0	83.5	298.0	88.7	292.0	95.7	299.0	101.0	300.0	109.0	303.0	115.0	306.0	123.0	309.0	137.0	312.0	144.0	
	1.0	290.0	98.6	291.0	102.0	291.0	110.0	293.0	120.0	294.0	129.0	297.0	138.0	300.0	142.0	303.0	160.0	307.0	168.0	
2GC 2LB/ 350	0.2	368.0	55.1	370.0	58.0	371.0	619.0	371.0	64.6	372.0	68.3	373.0	71.6	374.0	78.8	375.0	89.1	376.0	115.0	
	0.4	361.0	66.4	363.0	70.6	365.0	74.6	366.0	77.3	367.0	81.3	368.0	88.5	369.0	97.9	370.0	109.0	371.0	122.0	
	0.6	353.0	81.0	356.0	85.8	358.0	96.3	360.0	98.9	361.0	104.0	363.0	111.0	364.0	121.0	366.0	131.0	367.0	144.0	
	0.8	345.0	95.9	348.0	104.0	351.0	113.0	353.0	122.0	355.0	128.0	357.0	135.0	359.0	144.0	361.0	155.0	362.0	168.0	
	1.0	338.0	111.0	341.0	126.0	344.0	135.0	346.0	145.0	350.0	153.0	352.0	161.0	355.0	172.0	357.0	183.0	358.0	197.0	
0.04MPa The above values is at vacuum value of 0.04MPa																				

speed n=960r/min																				
size	Delivery pressure MPa	Viscosity mm²/s																		
		1		10		20		40		75		150		300		750		1500		
		flow m³/h	power kW	flow m³/h	power kW	flow m³/h	power kW	flow m³/h	power kW	flow m³/h	power kW	flow m³/h	power kW	flow m³/h	power kW	flow m³/h	power kW	flow m³/h	power kW	
2GC 2LB/ 400	0.2	414.0	61.9	416.0	65.2	417.0	69.6	418.0	72.7	419.0	76.9	420.0	82.4	421.0	88.6	422.0	229.0	424.0	114.0	
	0.4	408.0	77.3	411.0	82.6	413.0	87.1	414.0	86.1	415.0	101.0	416.0	107.0	417.0	120.0	418.0	100.0	420.0	154.0	
	0.6	402.0	109.0	406.0	113.0	409.0	116.0	409.0	121.0	410.0	128.0	410.0	134.0	412.0	147.0	419.0	142.0	416.0	180.0	
	0.8	396.0	142.0	401.0	144.0	405.0	146.0	405.0	150.0	406.0	155.0	406.0	161.0	407.0	173.0	410.0	169.0	411.0	206.0	
	1.0	392.0	176.0	396.0	179.0	400.0	182.0	401.0	186.0	401.0	193.0	402.0	199.0	403.0	211.0	405.0	194.0	408.0	240.0	
2GC 2LB/ 440	0.2	465.0	69.5	466.0	73.6	468.0	78.1	469.0	81.5	470.0	86.2	471.0	92.3	471.0	99.4	472.0	112.0	473.0	124.0	
	0.4	458.0	86.8	460.0	92.8	472.0	99.8	473.0	114.0	474.0	116.0	465.0	120.0	466.0	134.0	466.0	159.0	467.0	172.0	
	0.6	451.0	122.0	453.0	126.0	463.0	132.0	466.0	151.0	467.0	146.0	458.0	151.0	459.0	164.0	460.0	189.0	461.0	202.0	
	0.8	444.0	159.0	446.0	161.0	448.0	163.0	449.0	186.0	450.0	174.0	451.0	181.0	452.0	193.0	453.0	217.0	454.0	230.0	
	1.0	436.0	202.0	438.0	204.0	439.0	208.0	440.0	226.0	441.0	213.0	443.0	215.0	445.0	229.0	447.0	253.0	448.0	265.0	
2GC 2LB/ 500	0.2	515.0	68.4	518.0	74.2	520.0	80.0	521.0	87.0	522.0	99.8	522.0	102.0	522.0	110.0	522.0	123.0	523.0	137.0	
	0.4	508.0	96.3	511.0	103.0	513.0	108.0	514.0	114.0	515.0	125.0	516.0	133.0	517.0	149.0	518.0	177.0	519.0	191.0	
	0.6	501.0	136.0	504.0	140.0	506.0	144.0	507.0	151.0	509.0	159.0	509.0	167.0	510.0	182.0	514.0	210.0	512.0	224.0	
	0.8	493.0	169.0	496.0	174.0	498.0	178.0	499.0	186.0	503.0	194.0	503.0	200.0	504.0	215.0	505.0	240.0	506.0	255.0	
	1.0	486.0	209.0	489.0	213.0	491.0	217.0	492.0	226.0	496.0	234.0	497.0	241.0	501.0	255.0	502.0	270.0	503.0	297.0	
2GC 2LB/ 600	0.2	612.0	77.1	617.0	81.2	622.0	87.0	626.0	90.5	630.0	104.0	633.0	115.0	637.0	134.0	641.0	165.0	646.0	186.0	
	0.4	603.0	111.0	608.0	117.0	613.0	121.0	617.0	130.0	622.0	142.0	622.0	155.0	631.0	175.0	636.0	209.0	641.0	227.0	
	0.6	593.0	157.0	599.0	161.0	604.0	165.0	608.0	173.0	614.0	183.0	615.0	196.0	625.0	217.0	630.0	250.0	635.0	268.0	
	0.8	582.0	202.0	588.0	205.0	594.0	208.0	598.0	215.0	605.0	225.0	605.0	237.0	618.0	258.0	624.0	290.0	628.0	307.0	
	1.0	570.0	248.0	577.0	248.0	583.0	251.0	587.0	255.0	596.0	266.0	604.0	280.0	611.0	298.0	617.0	329.0	621.0	347.0	
2GC 2LB/ 650	0.2	668.0	74.2	673.0	87.2	678.0	90.5	683.0	95.1	687.0	109.0	690.0	123.0	693.0	144.0	696.0	181.0	700.0	202.0	
	0.4	657.0	122.0	663.0	128.0	669.0	133.0	674.0	142.0	678.0	154.0	682.0	170.0	686.0	190.0	690.0	226.0	695.0	246.0	
	0.6	645.0	171.0	652.0	175.0	659.0	180.0	665.0	188.0	669.0	200.0	676.0	216.0	679.0	235.0	683.0	270.0	689.0	290.0	
	0.8	633.0	220.0	641.0	223.0	648.0	228.0	654.0	234.0	660.0	246.0	665.0	260.0	671.0	280.0	676.0	314.0	683.0	347.0	
	1.0	620.0	270.0	629.0	270.0	636.0	274.0	643.0	280.0	650.0	290.0	656.0	304.0	662.0	322.0	669.0	357.0	676.0	377.0	
2GC 2LB/ 700	0.2	721.0	80.0	727.0	87.0	732.0	94.0	737.0	103.0	741.0	117.0	745.0	135.0	747.0	155.0	749.0	195.0	753.0	216.0	
	0.4	709.0	131.0	715.0	137.0	721.0	143.0	727.0	153.0	732.0	167.0	736.0	183.0	740.0	205.0	743.0	244.0	748.0	264.0	
	0.6	696.0	184.0	703.0	189.0	710.0	194.0	717.0	203.0	723.0	216.0	726.0	232.0	732.0	253.0	737.0	291.0	743.0	313.0	
	0.8	683.0	238.0	690.0	240.0	698.0	245.0	706.0	253.0	713.0	266.0	713.0	278.0	724.0	302.0	731.0	340.0	738.0	362.0	
	1.0	668.0	291.0	677.0	291.0	686.0	296.0	694.0	302.0	702.0	313.0	709.0	328.0	716.0	348.0	724.0	386.0	732.0	408.0	
0.04MPa																				
The above values is at vacuum value of 0.04MPa																				

speed n=960r/min																			
size	Delivery pressure MPa	Viscosity mm ² /s																	
		1		10		20		40		75		150		300		750		1500	
		flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW
2GC 2LB/ 750	0.2	770	86	777	93	783	100	787	110	790	124	793	143	797	166	800	208	803	230
	0.4	755	129	763	146	770	153	775	162	780	177	784	196	789	218	794	260	798	282
	0.6	740	196	749	201	757	206	763	216	769	229	775	247	781	270	787	312	793	334
	0.8	725	252	734	255	744	261	751	269	758	282	765	299	772	321	780	360	787	385
	1.0	708	307	719	310	729	313	738	321	747	333	755	350	763	371	772	415	781	435
2GC 2LB/ 800	0.2	820	93	830	97	836	104	843	115	848	124	850	147	857	172	860	209	865	235
	0.4	805	151	815	159	823	164	830	174	835	187	841	205	850	269	854	269	860	295
	0.6	790	210	805	216	808	222	815	230	825	240	830	261	842	320	848	320	854	353
	0.8	765	281	780	285	795	292	800	302	815	312	819	331	834	380	838	280	850	409
	1.0	760	398	770	400	785	495	790	414	800	420	810	429	825	461	831	513	840	528
2GC 2LB/ 900	0.2	924	103	937	113	937	118	944	131	950	139	952	171	955	198	958	209	961	248
	0.4	908	169	916	176	923	183	931	195	939	204	942	234	947	261	952	278	957	320
	0.6	892	237	901	241	909	248	918	259	927	275	932	297	938	326	947	342	952	391
	0.8	875	304	885	307	895	429	905	324	925	339	922	360	929	389	940	414	947	461
	1.0	856	438	868	442	880	447	891	452	902	465	911	475	920	514	931	546	941	594
2GC 2LB/ 1000	0.2	1017	114	1026	123	1035	130	1043	145	1051	154	1055	189	1058	222	1061	231	1065	275
	0.4	998	186	1007	194	1018	203	1027	215	1036	225	1042	259	1048	289	1053	307	1058	354
	0.6	978	259	988	264	1001	274	1011	284	1021	303	1030	331	1037	361	1045	382	1051	433
	0.8	957	332	969	336	983	345	995	355	1006	372	1017	397	1026	422	1036	457	1044	508
	1.0	936	461	949	483	965	509	978	492	992	509	1002	530	1014	568	1025	608	1036	611
2GC 2LB/ 1200	0.2	1215	137	1224	148	1235	157	1244	157	1253	187	1257	227	1260	267	1263	277	1268	331
	0.4	1195	223	1207	233	1217	244	1226	258	1235	270	1240	311	1246	347	1250	369	1257	425
	0.6	1180	311	1190	318	1205	328	1215	341	1225	364	1234	397	1241	434	1245	458	1251	520
	0.8	1161	399	1172	404	1185	414	1197	427	1208	448	1218	477	1227	507	1237	549	1244	610
	1.0	1140	577	1151	580	1164	586	1179	592	1193	610	1203	637	1215	674	1225	730	1236	796
2GC 2LB/ 1500	0.2	1518	172	1527	186	1536	196	1544	218	1552	232	1557	285	1560	334	1564	347	1569	414
	0.4	1495	278	1504	292	1515	305	1523	322	1532	339	1538	389	1544	434	1550	462	1555	531
	0.6	1475	389	1485	398	1502	411	1512	427	1522	456	1529	496	1536	543	1544	573	1550	650
	0.8	1455	499	1467	505	1481	519	1493	534	1504	560	1512	596	1521	635	1531	687	1540	763
	1.0	1435	969	1448	712	1464	725	1471	738	1491	762	1501	796	1513	846	1524	911	1536	988
0.04MPa The above values is at vacuum value of 0.04MPa																			

speed n=1450r/min																			
size	Delivery pressure MPa	Viscosity mm ² /s																	
		1		10		20		40		75		150		300		750		1500	
		flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW
2GC 2LB/ 6	0.2	6.2	1.8	6.3	2.2	6.4	2.4	6.5	2.9	6.6	3.4	6.7	4.1	6.8	5.0	7.0	6.6	7.1	7.5
	0.4	5.9	2.4	6.0	2.6	6.1	3.0	6.3	3.4	6.4	3.8	6.5	4.6	6.6	5.5	6.8	7.1	6.9	8.0
	0.6	5.5	2.9	5.6	3.2	5.8	3.5	6.1	3.8	6.2	4.4	6.3	5.2	6.4	6.0	6.6	7.7	6.7	8.5
	0.8	5.1	3.4	5.2	3.7	5.5	4.0	5.8	4.4	6.0	4.9	6.1	5.6	6.2	6.6	6.4	8.2	6.5	9.0
	1.0	4.8	4.0	4.9	4.2	5.2	4.6	5.5	4.9	5.8	5.4	5.9	6.1	6.0	7.1	6.2	8.6	6.3	9.6
2GC 2LB/ 12	0.2	12.7	2.5	12.9	2.9	13.1	3.2	13.3	3.7	13.5	4.3	13.6	5.1	13.7	6.2	13.8	8.0	14.0	9.1
	0.4	12.1	3.6	12.4	3.9	12.6	4.3	12.8	4.8	13.0	5.3	13.1	6.2	13.2	7.2	13.3	9.1	13.5	10.0
	0.6	11.4	4.7	11.8	5.0	12.1	5.3	12.3	5.8	12.6	6.4	12.6	7.2	12.8	8.3	12.9	10.0	13.1	11.2
	0.8	10.7	5.8	11.2	6.1	11.6	6.4	11.8	6.8	12.0	7.4	12.1	8.3	12.3	9.4	12.5	11.2	12.7	12.3
	1.0	10.1	6.6	10.6	7.1	11.1	7.4	11.2	7.9	11.4	8.9	11.6	9.4	11.5	10.4	12.1	12.3	12.2	13.2
2GC 2LB/ 15	0.2	16.5	2.9	16.7	3.4	17.0	3.6	17.2	4.1	17.4	4.8	17.6	5.7	17.8	6.7	18.0	8.8	18.2	9.8
	0.4	16.0	4.2	16.2	4.6	16.5	4.9	16.7	5.4	16.9	6.0	17.2	7.0	17.3	8.0	17.5	10.0	17.8	11.0
	0.6	15.4	5.5	15.7	5.9	16.0	6.3	16.1	6.7	16.2	7.3	16.7	8.3	16.8	9.4	17.0	11.3	17.5	12.4
	0.8	14.8	6.7	15.2	7.2	15.3	7.6	15.4	8.0	15.4	8.6	16.2	9.6	16.3	10.7	16.6	12.6	17.1	13.7
	1.0	14.3	7.5	14.4	8.3	14.5	8.9	14.6	9.4	14.6	10.0	15.7	10.8	15.8	12.0	16.2	13.9	16.7	15.0
2GC 2LB/ 25	0.2	26.5	5.8	27.2	6.6	27.9	7.4	28.6	8.5	29.5	10.1	30.2	12.1	30.9	14.8	31.7	19.3	32.5	21.8
	0.4	25.0	7.7	25.8	8.7	26.5	9.4	27.3	10.6	28.2	12.0	28.9	14.1	29.6	16.7	30.7	21.2	31.1	23.8
	0.6	23.5	9.6	24.3	10.6	25.1	11.4	25.9	12.5	26.7	14.0	27.6	16.1	28.3	18.7	29.1	23.3	29.9	25.8
	0.8	22.0	11.6	22.8	12.6	23.6	13.3	24.5	14.5	25.5	15.9	26.2	18.0	26.9	20.6	27.7	25.2	28.5	27.7
	1.0	20.4	13.7	21.3	14.5	22.0	15.2	24.1	16.4	24.3	17.9	25.0	20.0	25.7	22.7	26.4	27.2	27.1	29.7
2GC 2LB/ 35	0.2	37.6	9.1	38.8	10.1	40.4	10.8	40.7	11.9	41.1	13.2	41.6	15.4	42.1	17.9	42.7	22.2	43.2	24.6
	0.4	36.2	12.0	37.0	12.8	39.5	13.6	38.9	14.6	39.6	16.0	40.2	18.1	40.8	20.6	41.5	25.0	42.1	27.4
	0.6	34.6	14.8	35.2	15.6	37.5	16.3	37.0	17.5	38.1	18.8	38.7	20.9	39.4	23.4	40.2	27.8	41.0	30.1
	0.8	32.9	17.5	33.5	18.4	35.4	19.2	35.0	20.3	36.5	21.6	37.2	23.6	38.0	26.2	38.8	30.6	39.8	33.0
	1.0	31.2	20.3	32.0	21.2	33.3	22.0	33.4	23.0	35.0	24.5	35.5	26.4	36.4	28.9	37.3	33.4	38.6	35.8
2GC 2LB/ 50	0.2	53.0	10.9	53.5	11.9	54.7	12.6	54.9	13.8	55.8	15.4	56.7	17.4	57.7	20.2	58.8	24.8	60.0	27.4
	0.4	50.7	14.4	51.4	15.4	52.1	16.2	53.0	17.4	54.0	15.8	54.8	21.0	55.7	23.6	56.7	28.3	57.7	30.8
	0.6	48.4	18.0	49.2	18.9	50.0	19.7	51.1	20.9	52.1	22.3	52.9	24.5	53.6	27.2	54.5	31.9	55.4	34.4
	0.8	46.0	21.5	47.0	22.4	48.0	23.3	49.1	24.5	50.2	25.9	50.9	28.1	51.6	30.7	52.3	35.4	53.0	37.9
	1.0	43.6	25.1	44.8	26.0	45.9	26.8	47.0	28.0	48.1	29.4	48.8	31.6	49.8	34.4	50.6	39.0	51.4	41.5
2GC 2LB/ 80	0.2	92.0	11.2	93.0	12.4	93.9	13.3	94.0	14.9	94.5	16.8	95.0	19.4	96.0	22.9	97.0	28.9	98.0	32.3
	0.4	86.4	17.3	87.8	18.5	88.7	19.6	89.8	21.0	91.0	22.9	91.4	25.7	93.0	29.2	94.2	35.2	95.4	38.4
	0.6	81.0	23.5	82.7	24.7	84.2	25.7	85.7	27.2	87.5	29.0	88.7	31.9	90.0	35.4	91.4	41.3	92.7	44.6
	0.8	75.0	29.8	77.5	31.0	79.5	31.9	81.5	33.5	84.0	35.4	85.5	38.0	87.0	41.6	88.5	47.5	90.0	50.8
	1.0	70.0	35.9	73.0	37.1	74.2	38.2	77.8	39.6	80.0	41.6	82.0	44.5	84.0	47.8	85.5	53.8	87.0	57.0
0.04MPa																			
										The above values is at vacuum value of 0.04MPa									

speed n=1450r/min																			
size	Delivery pressure MPa	Viscosity mm ² /s																	
		1		10		20		40		75		150		300		750		1500	
		flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW
2GC 2LB/ 100	0.2	105.0	12.1	108.0	13.4	110.0	14.5	112.0	16.0	114.0	18.1	116.0	21.0	118.0	24.6	120.0	30.8	122.0	34.3
	0.4	102.0	19.2	104.0	20.4	106.0	21.5	108.0	23.0	110.0	25.8	113.0	28.0	114.0	31.2	116.0	37.8	118.0	41.3
	0.6	98.0	26.2	100.0	27.5	102.0	28.4	104.0	30.1	106.0	32.0	110.0	34.9	110.0	38.5	112.0	44.9	114.0	48.2
	0.8	93.0	33.1	96.0	34.4	98.0	35.5	100.0	37.1	102.0	39.7	106.0	42.0	108.0	45.6	106.0	51.8	108.0	55.3
	1.0	88.0	39.2	92.0	41.4	94.0	42.5	96.0	44.1	98.0	46.1	102.0	48.9	104.0	52.6	108.0	58.8	106.0	62.3
2GC 2LB/ 120	0.2	131.0	18.5	132.0	18.7	133.0	19.2	134.0	20.2	135.0	22.0	136.0	24.2	137.0	27.3	138.0	30.9	138.0	35.9
	0.4	125.0	23.5	127.0	24.4	128.0	25.1	129.0	26.0	130.0	28.1	132.0	31.3	133.0	34.1	135.0	38.1	135.0	41.0
	0.6	118.0	29.6	121.0	31.0	123.0	31.1	124.0	33.1	125.0	35.0	126.0	38.8	129.0	41.2	131.0	45.3	131.0	47.9
	0.8	113.0	37.4	115.0	38.0	117.0	38.8	119.0	40.8	121.0	42.1	123.0	45.4	125.0	48.5	127.0	51.5	129.0	54.9
	1.0	108.0	45.0	110.0	45.6	112.0	46.5	114.0	48.5	116.0	49.9	119.0	53.2	121.0	56.5	123.0	59.3	125.0	62.8
2GC 2LB/ 150	0.2	152.0	21.4	155.0	21.9	158.0	22.8	161.0	24.2	164.0	26.7	166.0	29.5	169.0	33.0	172.0	38.0	175.0	43.0
	0.4	148.0	27.8	151.0	28.4	154.0	30.1	157.0	31.6	160.0	34.5	162.0	36.5	165.0	40.1	168.0	46.1	171.0	50.5
	0.6	143.0	34.8	146.0	35.7	149.0	37.9	152.0	39.1	155.0	42.4	158.0	44.8	161.0	48.9	164.0	54.2	167.0	59.0
	0.8	138.0	42.7	141.0	43.7	144.0	45.4	147.0	47.6	150.0	51.5	153.0	53.8	156.0	58.4	159.0	63.0	162.0	68.9
	1.0	133.0	51.6	136.0	52.7	139.0	54.2	142.0	57.0	145.0	61.2	148.0	63.6	151.0	68.4	155.0	73.2	158.0	79.3
2GC 2LB/ 200	0.2	209.0	29.5	209.0	29.8	210.0	31.2	211.0	32.8	212.0	34.5	213.0	37.8	214.0	41.7	215.0	47.5	216.0	53.1
	0.4	205.0	38.5	205.0	38.6	206.0	40.2	207.0	41.2	209.0	43.2	210.0	46.8	211.0	50.2	212.0	58.2	218.0	62.9
	0.6	201.0	48.5	202.0	49.2	203.0	50.1	203.0	51.1	205.0	54.0	206.0	56.5	207.0	61.8	208.0	68.7	209.0	73.8
	0.8	196.0	60.0	198.0	60.8	199.0	61.8	199.0	62.9	200.0	65.3	201.0	68.6	202.0	73.8	203.0	81.2	204.0	86.7
	1.0	191.0	72.2	194.0	73.0	196.0	74.0	196.0	75.1	197.0	76.8	198.0	80.5	199.0	86.0	200.0	93.0	201.0	99.0
2GC 2LB/ 250	0.2	260.0	35.8	262.0	37.0	264.0	39.0	266.0	41.3	268.0	43.1	269.0	45.9	270.0	48.9	271.0	55.6	273.0	62.1
	0.4	256.0	40.5	258.0	42.1	260.0	43.8	262.0	46.0	264.0	49.0	265.0	54.0	266.0	60.2	267.0	70.6	269.0	76.6
	0.6	252.0	49.8	254.0	53.7	256.0	57.5	258.0	61.0	260.0	64.5	261.0	68.9	262.0	75.1	263.0	85.8	265.0	91.4
	0.8	248.0	59.5	250.0	65.1	252.0	70.2	254.0	75.5	256.0	80.9	257.0	83.9	257.0	90.1	258.0	99.7	260.0	104.0
	1.0	244.0	71.0	246.0	76.5	248.0	82.5	250.0	89.5	251.0	95.0	253.0	98.0	254.0	105.0	255.0	115.0	256.0	118.0
2GC 2LB/ 300	0.2	316.0	40.8	318.0	43.0	320.0	45.1	321.0	48.2	322.0	51.0	323.0	54.7	324.0	58.8	325.0	66.6	326.0	73.7
	0.4	310.0	49.1	312.0	52.0	313.0	55.0	314.0	57.1	315.0	60.1	317.0	65.7	318.0	72.7	320.0	84.4	322.0	91.5
	0.6	303.0	63.0	305.0	66.8	306.0	70.5	307.0	72.7	308.0	76.8	310.0	81.9	312.0	89.2	315.0	101.6	317.0	108.0
	0.8	296.0	72.0	298.0	76.5	297.0	82.5	299.0	87.0	300.0	93.8	303.0	99.1	306.0	106.0	309.0	118.0	312.0	124.0
	1.0	290.0	85.0	291.0	88.0	291.0	95.0	293.0	103.0	294.0	112.0	297.0	119.0	300.0	122.0	303.0	138.0	307.0	145.0
2GC 2LB/ 350	0.2	368.0	47.5	370.0	50.0	371.0	53.4	371.0	55.7	372.0	58.9	373.0	66.1	374.0	67.9	375.0	76.8	376.0	85.0
	0.4	361.0	57.2	363.0	60.9	365.0	64.3	366.0	66.6	367.0	70.1	368.0	76.3	369.0	84.4	370.0	93.6	371.0	105.0
	0.6	353.0	69.8	356.0	74.0	358.0	83.0	360.0	85.3	361.0	90.0	363.0	95.9	364.0	104.0	366.0	114.0	367.0	124.0
	0.8	345.0	82.7	348.0	90.0	351.0	97.8	353.0	105.0	355.0	110.0	357.0	117.0	359.0	124.0	361.0	134.0	362.0	145.0
	1.0	338.0	96.0	341.0	109.0	344.0	116.0	346.0	125.0	350.0	132.0	352.0	139.0	355.0	148.0	357.0	158.0	358.0	170.0
0.04MPa										The above values is at vacuum value of 0.04MPa									

speed n=1450r/min																			
size	Delivery pressure MPa	Viscosity mm ² /s																	
		1		10		20		40		75		150		300		750		1500	
		flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW
2GC 2LB/400	0.2	414.0	53.4	416.0	56.2	417.0	60.0	418.0	62.7	419.0	66.3	420.0	71.0	421.0	76.4	422.0	86.2	424.0	98.4
	0.4	408.0	66.6	411.0	71.2	413.0	75.1	414.0	74.2	415.0	87.1	416.0	92.5	417.0	104.0	418.0	130.0	420.0	133.0
	0.6	402.0	93.8	404.0	97.0	409.0	99.7	409.0	104.0	407.0	110.0	410.0	116.0	412.0	126.0	419.0	145.0	416.0	155.0
	0.8	396.0	122.0	401.0	124.0	405.0	125.0	405.0	129.0	404.0	135.0	409.0	139.0	407.0	149.0	410.0	167.0	411.0	177.0
	1.0	392.0	152.0	396.0	154.0	398.0	157.0	400.0	161.0	401.0	166.0	402.0	172.0	403.0	182.0	405.0	197.0	408.0	207.0
2GC 2LB/440	0.2	465.0	59.9	466.0	62.9	468.0	67.3	469.0	70.3	470.0	74.3	471.0	79.6	471.0	85.7	472.0	96.4	473.0	107.0
	0.4	458.0	74.8	460.0	80.0	463.0	86.0	465.0	98.0	474.0	99.7	465.0	104.0	466.0	116.0	466.0	138.0	467.0	149.0
	0.6	451.0	105.0	453.0	109.0	454.0	114.0	455.0	130.0	467.0	126.0	458.0	130.0	459.0	142.0	460.0	163.0	461.0	174.0
	0.8	444.0	137.0	446.0	139.0	448.0	140.0	449.0	160.0	450.0	151.0	451.0	155.0	452.0	167.0	453.0	187.0	454.0	198.0
	1.0	436.0	174.0	438.0	177.0	439.0	179.0	440.0	195.0	441.0	184.0	443.0	185.0	445.0	197.0	447.0	218.0	448.0	228.0
2GC 2LB/500	0.2	515.0	61.0	518.0	64.0	520.0	69.0	521.0	75.0	522.0	86.0	522.0	88.0	522.0	95.0	522.0	106.0	523.0	118.0
	0.4	508.0	83.0	511.0	89.0	513.0	93.0	514.0	98.0	516.0	108.0	516.0	115.0	517.0	128.0	518.0	153.0	519.0	165.0
	0.6	501.0	117.0	504.0	121.0	506.0	124.0	507.0	130.0	509.0	137.0	509.0	144.0	510.0	157.0	511.0	181.0	512.0	193.0
	0.8	493.0	146.0	496.0	150.0	498.0	153.0	499.0	160.0	503.0	167.0	503.0	173.0	504.0	185.0	505.0	207.0	506.0	220.0
	1.0	486.0	180.0	489.0	184.0	491.0	187.0	492.0	195.0	496.0	202.0	497.0	208.0	501.0	220.0	502.0	233.0	503.0	256.0
2GC 2LB/600	0.2	612.0	66.5	617.0	69.0	622.0	75.0	626.0	78.0	630.0	86.0	633.0	99.0	637.0	115.0	641.0	142.0	646.0	160.0
	0.4	603.0	96.0	608.0	101.0	613.0	104.0	617.0	112.0	622.0	122.0	622.0	134.0	631.0	151.0	636.0	180.0	641.0	196.0
	0.6	593.0	135.0	599.0	139.0	604.0	142.0	608.0	149.0	614.0	158.0	615.0	169.0	625.0	187.0	630.0	215.0	635.0	231.0
	0.8	582.0	174.0	588.0	176.0	594.0	179.0	598.0	185.0	605.0	194.0	605.0	204.0	618.0	222.0	624.0	250.0	628.0	265.0
	1.0	570.0	214.0	577.0	214.0	583.0	216.0	587.0	220.0	596.0	229.0	604.0	241.0	611.0	257.0	617.0	284.0	621.0	299.0
2GC 2LB/650	0.2	668.0	68.0	673.0	71.0	678.0	75.0	683.0	82.0	687.0	94.0	690.0	106.0	693.0	124.0	696.0	156.0	700.0	174.0
	0.4	657.0	105.0	663.0	110.0	669.0	115.0	674.0	122.0	678.0	133.0	682.0	147.0	686.0	164.0	690.0	195.0	695.0	212.0
	0.6	645.0	147.0	652.0	151.0	659.0	155.0	665.0	162.0	669.0	172.0	676.0	186.0	679.0	203.0	683.0	233.0	689.0	250.0
	0.8	633.0	190.0	641.0	192.0	648.0	196.0	654.0	202.0	660.0	212.0	665.0	224.0	671.0	241.0	676.0	271.0	683.0	288.0
	1.0	620.0	233.0	629.0	233.0	636.0	236.0	643.0	241.0	650.0	250.0	656.0	262.0	662.0	278.0	669.0	308.0	676.0	325.0
2GC 2LB/700	0.2	721.0	69.0	727.0	75.0	732.0	81.0	737.0	89.0	741.0	101.0	745.0	116.0	747.0	134.0	749.0	168.0	753.0	186.0
	0.4	709.0	113.0	715.0	118.0	721.0	123.0	727.0	132.0	732.0	144.0	736.0	158.0	740.0	177.0	743.0	210.0	748.0	228.0
	0.6	696.0	159.0	703.0	163.0	710.0	167.0	717.0	175.0	723.0	186.0	726.0	200.0	732.0	218.0	737.0	251.0	743.0	270.0
	0.8	683.0	205.0	690.0	207.0	698.0	211.0	706.0	218.0	713.0	229.0	713.0	240.0	724.0	260.0	731.0	293.0	738.0	312.0
	1.0	668.0	251.0	677.0	251.0	686.0	255.0	694.0	260.0	702.0	270.0	709.0	283.0	716.0	300.0	724.0	333.0	732.0	352.0
0.04MPa										The above values is at vacuum value of 0.04MPa									



speed n=1450r/min																			
size	Delivery pressure MPa	Viscosity mm ² /s																	
		1		10		20		40		75		150		300		750		1500	
		flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW
2GC 2LB/ 750	0.2	770	74	777	80	783	86	787	95	790	107	793	123	797	143	800	179	803	198
	0.4	755	111	763	126	770	132	775	140	780	153	784	169	789	188	794	224	798	243
	0.6	740	169	749	173	757	178	763	186	769	197	775	213	781	233	787	269	793	288
	0.8	725	217	734	220	744	225	751	232	758	243	765	258	772	277	780	312	787	332
	1.0	708	265	719	267	729	270	738	277	747	287	755	302	763	320	772	358	781	375
2GC 2LB/ 800	0.2	820	80	830	84	836	90	843	99	848	107	850	127	857	148	860	180	865	203
	0.4	805	130	815	137	823	143	830	150	835	161	841	177	850	232	854	232	860	254
	0.6	790	181	805	186	808	191	815	198	825	207	830	224	842	276	848	276	854	304
	0.8	765	242	780	246	795	252	800	260	815	269	819	285	834	328	838	328	850	353
	1.0	760	343	770	345	785	349	790	357	800	362	810	370	825	397	831	442	840	455
2GC 2LB/ 900	0.2	924	89	937	97	937	102	944	113	950	120	952	147	955	171	958	180	961	214
	0.4	908	146	916	152	923	158	931	168	939	176	942	202	947	225	952	240	957	276
	0.6	892	204	901	208	909	214	918	223	927	237	932	256	938	281	947	298	952	337
	0.8	875	262	885	265	895	270	905	279	925	292	922	310	929	335	940	357	947	397
	1.0	856	378	868	381	880	385	891	390	902	401	911	410	920	443	931	471	941	512
2GC 2LB/ 1000	0.2	1017	98	1026	106	1035	112	1043	125	1051	133	1055	163	1058	191	1061	199	1065	237
	0.4	998	160	1007	167	1018	175	1027	185	1036	194	1042	223	1048	249	1053	265	1058	305
	0.6	978	223	988	228	1001	236	1011	245	1021	261	1030	285	1037	311	1045	329	1051	373
	0.8	957	286	969	290	983	297	995	306	1006	321	1017	342	1026	364	1036	394	1044	438
	1.0	936	397	949	346	965	439	978	424	992	439	1002	457	1014	490	1025	524	1036	570
2GC 2LB/ 1200	0.2	1215	118	1224	128	1235	135	1244	150	1253	160	1257	196	1260	230	1263	239	1268	285
	0.4	1195	192	1207	201	1217	210	1226	222	1235	233	1240	268	1246	299	1250	318	1257	366
	0.6	1180	268	1190	274	1205	284	1215	294	1225	314	1234	342	1241	374	1245	395	1251	448
	0.8	1161	344	1172	348	1185	357	1197	368	1208	386	1218	411	1227	437	1237	473	1244	526
	1.0	1140	497	1151	500	1164	505	1179	510	1193	526	1203	549	1215	581	1225	629	1236	686
2GC 2LB/ 1500	0.2	1518	148	1527	160	1536	169	1544	188	1552	200	1557	245	1560	288	1564	299	1569	357
	0.4	1495	240	1504	252	1515	263	1523	278	1532	292	1538	335	1544	374	1550	398	1555	458
	0.6	1475	335	1485	343	1502	355	1512	368	1522	393	1529	428	1536	468	1544	494	1550	560
	0.8	1455	430	1467	435	1481	447	1493	460	1504	483	1512	514	1521	547	1531	592	1540	658
	1.0	1435	600	1448	614	1464	625	1477	636	1491	657	1501	686	1513	729	1524	785	1536	852
0.04MPa										The above values is at vacuum value of 0.04MPa									

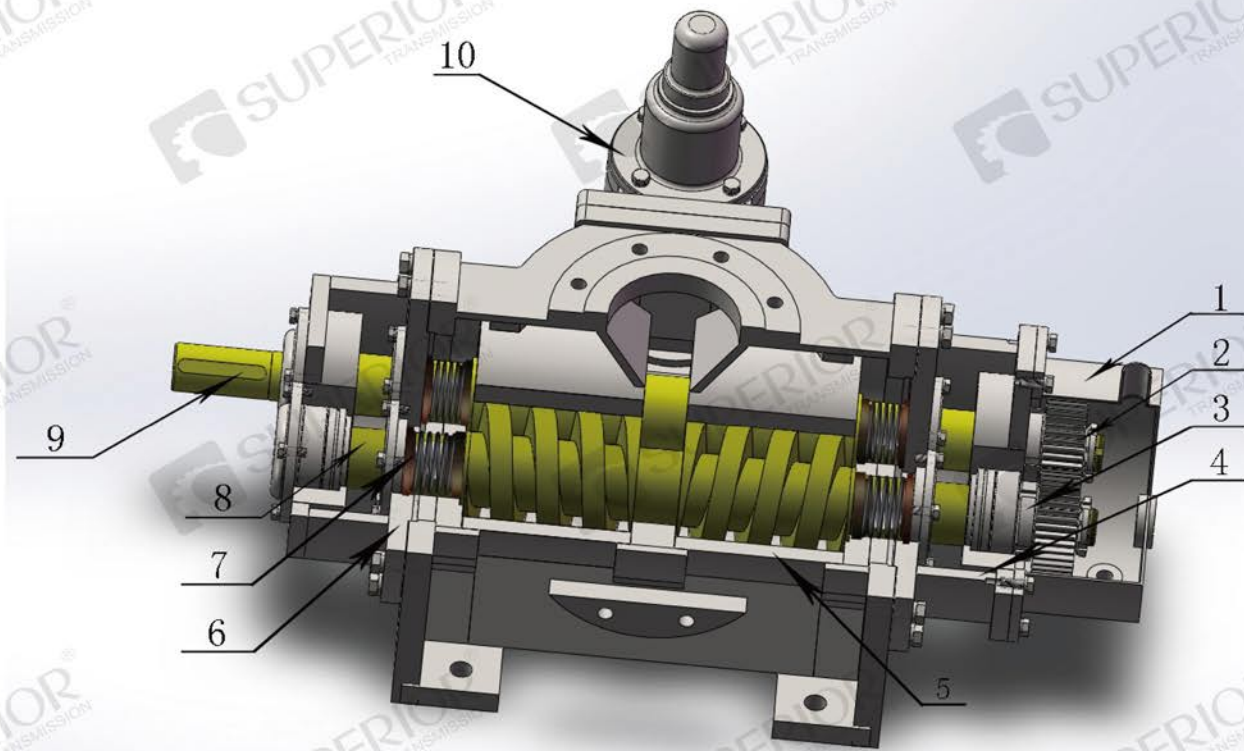
speed n=1800r/min																			
size	Delivery pressure MPa	Viscosity mm ² /s																	
		1		10		20		40		75		150		300		750		1500	
		flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW
2GC 2LB/ 6	0.2	6.2	1.8	6.3	2.1	6.4	2.3	6.5	2.8	6.6	3.3	6.7	4.0	6.8	4.9	7.0	6.5	7.1	7.3
	0.4	5.9	2.3	6.0	2.5	6.1	2.9	6.3	3.3	6.4	3.7	6.5	4.5	6.6	5.4	6.8	6.9	6.9	7.8
	0.6	5.5	2.8	5.6	3.1	5.8	3.4	6.1	3.7	6.2	4.3	6.3	5.0	6.4	5.8	6.6	7.5	6.7	8.3
	0.8	5.1	3.3	5.2	3.6	5.5	3.9	5.8	4.3	6.0	4.8	6.1	5.4	6.2	6.4	6.4	8.0	6.5	8.7
	1.0	4.8	3.9	4.9	4.1	5.2	4.5	5.5	4.8	5.8	5.2	5.9	5.9	6.0	6.9	6.2	8.4	6.3	9.4
2GC 2LB/ 12	0.2	12.7	2.4	12.9	2.8	13.1	3.1	13.3	3.6	13.5	4.2	13.6	5.0	13.7	6.1	13.8	7.8	14.0	8.8
	0.4	12.1	3.5	12.4	3.8	12.6	4.2	12.8	4.7	13.0	5.1	13.1	6.1	13.2	7.0	13.3	8.9	13.5	9.7
	0.6	11.4	4.2	11.8	4.9	12.1	5.1	12.3	5.6	12.5	6.2	12.6	7.0	12.8	8.1	12.9	9.7	13.1	10.9
	0.8	10.7	5.6	11.2	5.9	11.6	6.2	11.8	6.6	12.0	7.2	12.1	8.1	12.3	9.2	12.5	10.9	12.7	11.9
	1.0	10.1	6.4	10.6	6.9	11.1	7.2	11.2	7.7	11.4	8.6	11.6	9.1	11.9	10.2	12.1	12.0	12.2	12.8
2GC 2LB/ 15	0.2	16.5	2.8	16.7	3.3	17.0	3.5	17.4	4.0	17.2	4.7	17.6	5.5	17.8	6.6	18.0	8.5	18.2	9.5
	0.4	16.0	4.1	16.2	4.5	16.5	4.8	16.9	5.2	16.7	5.8	17.2	6.8	17.3	7.8	17.5	9.7	17.8	10.7
	0.6	15.4	5.3	15.7	5.7	16.0	6.1	16.2	6.5	16.1	7.1	16.7	8.1	16.8	9.1	17.0	11.0	17.5	12.0
	0.8	14.8	6.5	15.2	7.0	15.3	7.4	15.4	7.8	15.4	8.3	16.2	9.3	16.3	10.4	16.6	12.3	17.1	13.3
	1.0	14.3	7.3	14.5	8.1	14.5	8.6	14.8	9.1	14.6	9.7	15.7	10.5	15.8	11.7	16.2	13.5	16.7	14.6
2GC 2LB/ 25	0.2	26.5	5.6	27.2	6.4	27.9	7.2	28.6	8.3	29.5	9.8	30.2	11.7	30.9	14.4	31.7	18.9	32.5	21.2
	0.4	25.0	7.5	25.8	8.4	26.5	9.1	27.3	10.3	28.2	11.7	28.9	13.7	29.6	16.2	30.4	20.8	31.1	23.1
	0.6	23.5	9.3	24.3	10.3	25.1	11.0	25.9	12.1	26.7	13.6	27.6	15.6	28.3	18.2	29.1	22.9	29.9	25.0
	0.8	22.0	11.3	22.8	12.2	23.6	12.9	24.5	14.0	25.5	15.4	26.2	17.5	25.9	20.0	27.7	24.7	28.5	26.9
	1.0	20.4	13.3	21.3	14.1	22.0	14.8	24.1	15.9	24.3	17.4	25.0	19.4	25.7	22.0	26.4	26.4	27.1	28.8
2GC 2LB/ 35	0.2	37.6	8.9	38.8	9.8	40.4	10.5	40.7	11.6	41.1	12.8	41.6	15.0	42.1	17.4	42.7	21.6	43.2	23.9
	0.4	36.2	11.7	37.0	12.4	39.5	13.2	38.9	14.2	39.6	15.6	40.2	17.6	40.8	20.0	41.5	24.3	42.1	26.6
	0.6	34.6	14.5	35.2	15.2	37.5	15.8	37.0	17.0	38.1	18.2	38.7	20.3	39.4	22.7	40.2	27.0	41.0	29.2
	0.8	32.9	17.2	33.5	18.0	35.4	18.6	35.0	19.7	36.5	21.0	37.2	22.9	38.0	25.4	38.8	29.7	39.8	32.0
	1.0	31.2	20.0	32.0	20.6	33.3	21.4	33.4	22.3	35.0	23.8	35.5	25.6	36.4	28.1	37.3	32.4	38.6	24.8
2GC 2LB/ 50	0.2	53.0	10.7	53.5	11.6	54.7	12.2	54.9	13.4	55.8	15.0	56.7	16.9	57.7	17.4	58.8	24.1	60.0	26.6
	0.4	50.7	14.0	51.4	15.0	52.1	15.7	53.0	16.9	54.0	18.3	54.8	20.4	55.7	22.9	56.7	27.5	57.7	29.9
	0.6	48.4	17.5	49.2	18.3	50.0	19.1	51.1	20.9	52.1	21.7	52.9	23.8	53.6	26.4	54.5	31.0	55.4	33.4
	0.8	46.0	20.9	47.0	21.7	48.0	22.6	49.1	23.8	50.2	25.1	50.9	27.3	51.6	29.8	52.3	34.4	53.0	36.8
	1.0	43.6	24.4	44.8	25.2	45.9	26.0	47.0	27.2	48.1	28.5	48.8	30.7	49.8	33.3	50.6	37.9	51.4	40.3
2GC 2LB/ 80	0.2	92.0	10.9	93.0	12.0	93.9	12.9	94.0	14.5	94.5	16.3	95.0	18.8	96.0	22.2	97.0	28.1	98.0	31.4
	0.4	86.4	16.8	87.8	18.0	88.7	19.0	89.8	20.4	91.0	22.2	91.8	25.0	93.0	28.3	94.2	34.2	95.4	37.3
	0.6	81.0	22.8	82.7	24.0	84.2	25.0	85.7	26.4	87.5	28.2	88.7	31.0	90.0	34.4	91.4	40.1	92.7	43.3
	0.8	75.0	28.9	77.5	30.0	79.5	31.0	81.5	32.5	84.0	34.4	85.5	36.9	87.0	40.4	88.5	46.1	90.0	49.3
	1.0	70.0	34.9	73.0	36.0	74.2	37.1	77.8	38.4	80.0	40.4	82.0	43.2	84.0	46.4	85.5	52.2	87.0	55.3
0.04MPa										The above values is at vacuum value of 0.04MPa									

speed n=1800r/min																			
size	Delivery pressure MPa	Viscosity mm ² /s																	
		1		10		20		40		75		150		300		750		1500	
		flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW
2GC 2LB/ 100	0.2	105.0	11.7	108.0	13.0	110.0	14.1	112.0	15.6	114.0	17.6	116.0	20.4	118.0	23.9	120.0	29.9	122.0	33.3
	0.4	102.0	18.6	104.0	19.8	106.0	20.9	108.0	22.3	110.0	25.0	113.0	27.2	114.0	30.3	116.0	36.7	118.0	40.0
	0.6	98.0	25.4	100.0	26.7	102.0	27.6	104.0	29.2	106.0	31.0	110.0	33.9	110.0	37.4	112.0	43.6	114.0	46.8
	0.8	93.0	32.1	96.0	33.4	98.0	34.5	100.0	36.0	102.0	38.5	106.0	40.8	106.0	44.3	108.0	50.3	110.0	53.7
	1.0	88.0	38.1	92.0	40.2	94.0	41.3	96.0	42.8	98.0	44.8	102.0	47.5	102.0	51.1	104.0	57.0	106.0	60.4
2GC 2LB/ 120	0.2	131.0	18.0	132.0	18.2	133.0	18.6	134.0	19.6	135.0	21.1	136.0	23.5	137.0	26.5	138.0	30.0	138.0	34.9
	0.4	125.0	22.8	127.0	24.0	128.0	24.4	129.0	25.2	130.0	27.3	132.0	30.4	133.0	33.1	135.0	37.0	135.0	39.8
	0.6	118.0	28.7	121.0	30.0	123.0	30.2	124.0	32.1	125.0	34.0	126.0	37.7	129.0	39.8	131.0	44.0	131.0	46.5
	0.8	113.0	36.3	115.0	36.9	117.0	37.7	119.0	39.6	121.0	40.9	123.0	44.0	125.0	46.6	127.0	55.0	129.0	53.3
	1.0	108.0	43.7	110.0	44.3	112.0	45.1	114.0	47.1	116.0	48.4	119.0	51.7	121.0	54.9	123.0	57.6	125.0	61.0
2GC 2LB/ 150	0.2	152.0	20.8	155.0	21.3	158.0	22.1	161.0	23.5	164.0	25.9	166.0	28.2	169.0	32.0	172.0	36.9	175.0	41.7
	0.4	148.0	27.0	151.0	27.6	154.0	29.2	157.0	30.7	160.0	33.5	162.0	35.4	165.0	38.9	168.0	44.8	171.0	49.0
	0.6	143.0	33.8	146.0	34.7	149.0	36.8	152.0	38.0	155.0	41.2	158.0	43.5	161.0	47.5	164.0	52.6	167.0	57.3
	0.8	138.0	41.5	141.0	42.4	144.0	44.1	147.0	46.2	150.0	50.0	153.0	52.2	156.0	56.7	159.0	61.2	162.0	66.9
	1.0	133.0	50.0	136.0	51.2	139.0	52.6	142.0	55.3	145.0	59.4	148.0	61.7	151.0	66.4	155.0	71.0	158.0	77.0
2GC 2LB/ 200	0.2	209.0	28.6	209.0	28.0	210.0	30.3	211.0	31.8	212.0	33.5	213.0	36.7	214.0	40.5	215.0	46.1	216.0	51.6
	0.4	205.0	37.4	205.0	37.5	206.0	39.0	207.0	40.0	209.0	41.9	210.0	45.4	211.0	48.7	212.0	56.5	213.0	61.0
	0.6	201.0	41.7	202.0	47.8	203.0	48.6	203.0	49.6	205.0	52.4	206.0	54.9	207.0	60.0	208.0	66.7	209.0	71.7
	0.8	196.0	58.3	198.0	59.0	199.0	60.0	199.0	61.0	200.0	63.4	201.0	66.6	202.0	71.7	203.0	78.8	204.0	84.2
	1.0	191.0	70.0	194.0	70.9	196.0	71.8	196.0	72.9	197.0	74.6	198.0	78.2	199.0	83.5	200.0	90.3	201.0	96.1
2GC 2LB/ 250	0.2	260.0	34.8	262.0	35.9	264.0	37.9	266.0	40.0	268.0	41.8	269.0	44.6	270.0	47.5	271.0	54.0	273.0	60.3
	0.4	256.0	39.3	258.0	41.9	260.0	42.5	262.0	44.7	264.0	47.6	265.0	52.4	266.0	58.4	267.0	68.5	269.0	74.4
	0.6	252.0	48.3	254.0	52.1	256.0	55.8	258.0	59.2	260.0	62.6	261.0	66.9	262.0	72.9	263.0	83.3	265.0	88.7
	0.8	248.0	57.8	250.0	63.2	252.0	68.2	254.0	73.3	256.0	78.5	257.0	81.5	257.0	87.5	258.0	96.8	260.0	101.0
	1.0	244.0	68.9	246.0	74.3	248.0	80.0	250.0	86.9	251.0	92.2	253.0	95.1	254.0	102.0	255.0	112.0	256.0	115.0
2GC 2LB/ 300	0.2	316.0	39.6	320.0	41.7	320.0	43.8	321.0	46.8	322.0	49.5	323.0	53.1	324.0	87.1	325.0	64.7	326.0	71.6
	0.4	310.0	47.7	312.0	50.5	313.0	53.4	314.0	55.4	315.0	58.3	317.0	63.8	318.0	70.6	320.0	81.9	322.0	88.8
	0.6	303.0	61.2	305.0	64.9	306.0	68.4	307.0	70.6	308.0	74.6	310.0	79.5	312.0	86.9	315.0	98.6	317.0	105.0
	0.8	296.0	69.9	297.0	74.3	298.0	80.0	299.0	84.5	300.0	91.1	303.0	96.2	306.0	103.0	309.0	115.0	312.0	121.0
	1.0	290.0	82.5	291.0	85.4	292.0	92.2	293.0	100.0	294.0	108.0	297.0	116.0	300.0	118.0	303.0	134.0	307.0	140.0
2GC 2LB/ 350	0.2	368.0	46.1	370.0	48.5	371.0	51.8	371.0	54.0	372.0	57.2	373.0	64.2	374.0	65.9	375.0	74.6	376.0	82.5
	0.4	361.0	55.5	363.0	59.1	365.0	62.4	366.0	64.7	367.0	68.1	368.0	74.0	369.0	81.9	370.0	90.9	371.0	102.0
	0.6	353.0	67.8	356.0	71.8	358.0	80.6	360.0	82.8	361.0	87.4	363.0	93.1	364.0	101.0	366.0	110.0	367.0	120.0
	0.8	345.0	80.3	348.0	87.4	351.0	95.0	353.0	102.0	355.0	105.0	357.0	113.0	359.0	121.0	361.0	130.0	362.0	140.0
	1.0	338.0	93.2	341.0	106.0	344.0	113.0	346.0	121.0	350.0	128.0	352.0	135.0	355.0	144.0	357.0	153.0	358.0	165.0
0.04MPa																			
The above values is at vacuum value of 0.04MPa																			

speed n=1800r/min																			
size	Delivery pressure MPa	Viscosity mm ² /s																	
		1		10		20		40		75		150		300		750		1500	
		flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW
2GC 2LB/400	0.2	414.0	51.8	416.0	54.6	417.0	58.3	418.0	60.9	419.0	64.4	420.0	74.2	421.0	74.2	422.0	83.7	424.0	95.5
	0.4	408.0	64.7	411.0	69.1	413.0	72.9	414.0	72.0	415.0	84.6	416.0	100.0	417.0	100.0	418.0	119.0	420.0	129.0
	0.6	402.0	91.0	406.0	94.2	409.0	96.8	409.0	101.0	410.0	107.0	410.0	122.0	412.0	122.0	419.0	141.0	416.0	151.0
	0.8	396.0	118.0	401.0	120.0	405.0	122.0	405.0	125.0	406.0	131.0	407.0	145.0	409.0	145.0	410.0	162.0	411.0	172.0
	1.0	392.0	148.0	396.0	150.0	400.0	153.0	401.0	156.0	402.0	161.0	403.0	177.0	404.0	177.0	405.0	191.0	408.0	200.0
2GC 2LB/440	0.2	465.0	58.2	466.0	61.0	468.0	65.3	469.0	68.3	470.0	72.1	471.0	83.2	471.0	83.2	472.0	93.5	473.0	104.0
	0.4	458.0	72.6	460.0	77.7	472.0	83.5	473.0	95.1	474.0	96.8	466.0	113.0	466.0	113.0	466.0	133.0	467.0	144.0
	0.6	451.0	102.0	453.0	106.0	463.0	110.0	466.0	126.0	467.0	122.0	459.0	138.0	459.0	138.0	460.0	150.0	461.0	169.0
	0.8	444.0	133.0	446.0	135.0	448.0	136.0	449.0	155.0	450.0	146.0	452.0	162.0	452.0	162.0	453.0	181.0	454.0	192.0
	1.0	436.0	169.0	438.0	172.0	439.0	174.0	440.0	176.0	441.0	179.0	445.0	191.0	445.0	191.0	447.0	212.0	448.0	221.0
2GC 2LB/500	0.2	515.0	57.3	518.0	62.1	520.0	67.0	521.0	72.8	521.0	83.4	522.0	92.2	522.0	92.2	522.0	103.0	523.0	115.0
	0.4	508.0	80.6	511.0	86.4	513.0	90.3	514.0	95.1	515.0	105.0	517.0	124.0	517.0	124.0	518.0	149.0	519.0	160.0
	0.6	501.0	114.0	504.0	117.0	506.0	120.0	507.0	126.0	509.0	133.0	510.0	150.0	510.0	152.0	511.0	176.0	512.0	187.0
	0.8	493.0	142.0	496.0	146.0	498.0	149.0	499.0	155.0	503.0	162.0	504.0	180.0	504.0	180.0	505.0	201.0	506.0	212.0
	1.0	486.0	175.0	489.0	179.0	491.0	182.0	492.0	189.0	495.0	196.0	501.0	214.0	501.0	214.0	502.0	226.0	503.0	249.0
2GC 2LB/600	0.2	612.0	64.6	617.0	67.0	622.0	72.8	626.0	75.7	630.0	83.5	637.0	112.0	637.0	112.0	641.0	138.0	646.0	155.0
	0.4	603.0	93.2	608.0	98.0	613.0	101.0	617.0	109.0	622.0	118.0	631.0	147.0	631.0	147.0	636.0	175.0	641.0	190.0
	0.6	593.0	131.0	599.0	135.0	604.0	138.0	608.0	145.0	614.0	153.0	625.0	182.0	625.0	182.0	630.0	209.0	635.0	224.0
	0.8	582.0	169.0	588.0	171.0	594.0	174.0	598.0	180.0	605.0	188.0	618.0	212.0	618.0	212.0	624.0	243.0	628.0	257.0
	1.0	570.0	208.0	577.0	208.0	583.0	210.0	587.0	214.0	596.0	222.0	611.0	250.0	611.0	250.0	617.0	276.0	621.0	290.0
2GC 2LB/650	0.2	668.0	62.1	673.0	68.9	678.0	72.8	683.0	79.6	687.0	91.3	693.0	120.0	693.0	120.0	696.0	151.0	700.0	169.0
	0.4	657.0	102.0	663.0	107.0	669.0	112.0	674.0	118.0	678.0	129.0	686.0	159.0	686.0	159.0	690.0	189.0	695.0	206.0
	0.6	645.0	143.0	652.0	147.0	659.0	150.0	665.0	157.0	669.0	167.0	679.0	197.0	679.0	197.0	683.0	226.0	689.0	243.0
	0.8	633.0	185.0	641.0	186.0	648.0	190.0	654.0	196.0	660.0	206.0	671.0	234.0	671.0	234.0	676.0	263.0	683.0	280.0
	1.0	620.0	226.0	629.0	226.0	636.0	229.0	643.0	234.0	650.0	243.0	662.0	270.0	662.0	270.0	669.0	299.0	676.0	316.0
2GC 2LB/700	0.2	721.0	67.0	727.0	72.8	732.0	78.6	737.0	86.4	741.0	98.1	747.0	130.0	747.0	130.0	749.0	163.0	753.0	178.0
	0.4	709.0	110.0	715.0	115.0	721.0	119.0	727.0	128.0	732.0	140.0	740.0	172.0	740.0	172.0	743.0	204.0	748.0	221.0
	0.6	696.0	154.0	703.0	158.0	710.0	162.0	717.0	170.0	723.0	181.0	732.0	212.0	732.0	212.0	737.0	244.0	743.0	262.0
	0.8	683.0	199.0	690.0	201.0	698.0	205.0	706.0	212.0	713.0	222.0	724.0	252.0	724.0	252.0	731.0	284.0	738.0	303.0
	1.0	668.0	244.0	677.0	244.0	686.0	248.0	694.0	252.0	702.0	262.0	716.0	291.0	716.0	291.0	724.0	323.0	732.0	342.0
0.04MPa										The above values is at vacuum value of 0.04MPa									

speed n=1800r/min																			
size	Delivery pressure MPa	粘度 Viscosity mm ² /s																	
		1		10		20		40		75		150		300		750		1500	
		flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW	flow m ³ /h	power kW
2GC 2LB/ 750	0.2	770	108	777	122	783	128	787	136	790	149	797	183	797	183	800	217	803	236
	0.4	755	164	763	168	770	173	775	181	780	191	789	226	789	226	794	261	798	280
	0.6	740	211	749	214	757	218	763	225	769	236	781	269	781	269	787	303	793	322
	0.8	725	257	734	259	744	262	751	269	758	279	772	311	772	311	780	348	787	364
	1.0	708	276	719	281	729	287	738	294	747	301	763	337	763	327	772	368	781	390
2GC 2LB/ 800	0.2	820	126	830	133	836	139	843	146	848	156	850	172	857	225	860	233	865	247
	0.4	805	176	815	181	823	185	830	192	835	201	841	217	850	268	854	274	860	295
	0.6	795	235	805	239	808	245	815	252	825	261	830	277	842	318	848	327	854	343
	0.8	765	283	780	286	795	291	800	299	815	309	819	325	834	374	838	379	850	396
	1.0	760	333	770	335	785	339	790	347	800	351	810	359	825	385	831	429	840	442
2GC 2LB/ 900	0.2	924	142	937	148	937	153	944	163	950	171	952	196	955	218	958	233	961	268
	0.4	908	198	916	202	923	208	931	217	939	230	942	249	947	273	952	289	957	327
	0.6	892	254	901	257	909	262	918	271	927	283	932	300	938	325	947	347	952	385
	0.8	875	311	885	313	895	317	905	322	925	336	922	353	929	377	940	404	947	445
	1.0	856	367	868	370	880	374	891	379	902	389	911	398	920	430	931	457	941	497
2GC 2LB/ 1000	0.2	1017	155	1026	162	1035	170	1043	180	1051	188	1055	217	1058	242	1061	257	1065	296
	0.4	998	217	1007	221	1018	229	1027	238	1036	253	1042	277	1048	302	1053	319	1058	362
	0.6	978	278	988	282	1001	288	1011	297	1021	312	1030	332	1037	353	1045	383	1051	425
	0.8	957	340	969	343	983	349	995	354	1006	369	1017	388	1026	415	1036	446	1044	490
	1.0	936	385	949	404	965	426	978	412	992	426	1002	444	1014	476	1025	509	1036	553
2GC 2LB/ 1200	0.2	1215	115	1224	124	1235	131	1244	146	1253	155	1257	190	1260	223	1263	232	1268	277
	0.4	1195	186	1207	195	1217	204	1226	216	1235	226	1240	260	1246	290	1250	309	1257	355
	0.6	1180	260	1190	266	1205	276	1215	285	1225	305	1234	332	1241	363	1245	384	1251	435
	0.8	1161	334	1172	338	1185	347	1197	357	1208	375	1218	399	1227	424	1237	459	1244	510
	1.0	1140	483	1151	485	1164	490	1179	495	1193	511	1203	533	1215	564	1225	610	1236	666
2GC 2LB/ 1500	0.2	1518	144	1527	155	1536	164	1544	183	1552	194	1557	238	1560	280	1564	290	1569	347
	0.4	1495	233	1504	245	1515	255	1523	270	1532	283	1538	325	1544	363	1550	386	1555	445
	0.6	1475	325	1485	333	1502	345	1512	357	1522	382	1529	416	1536	454	1544	480	1550	544
	0.8	1455	417	1467	422	1481	434	1493	447	1504	469	1512	499	1521	531	1531	575	1540	639
	1.0	1435	583	1448	596	1464	607	1477	617	1491	638	1501	666	1513	707	1524	762	1536	827
0.04MPa The above values is at vacuum value of 0.04MPa																			

Horizontal screw pump 1/4 profile attempt



- | | | |
|--------------------------|---------------------|---------------------------|
| 1. gear ox | 2. Synchromesh gear | 3. bearing |
| 4. left shafting bracket | 5. pump body | 6. right shafting bracket |
| 7. shafting gland device | 8. driven screw | 9. driving screw |
| 10. safety valve device | | |



SUPERIOR[®]
TRANSMISSION



2LB Series - Twin Screw Pump