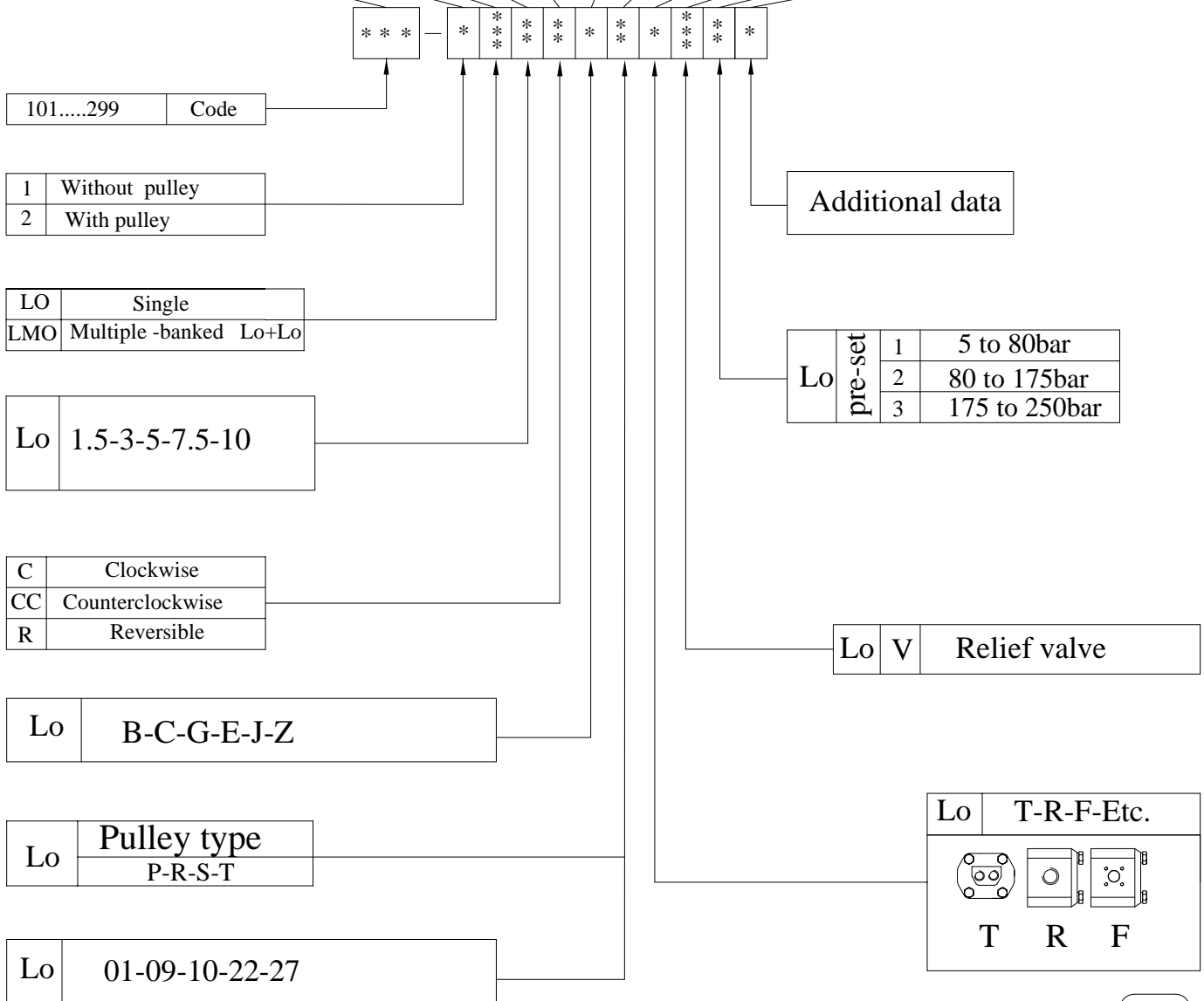
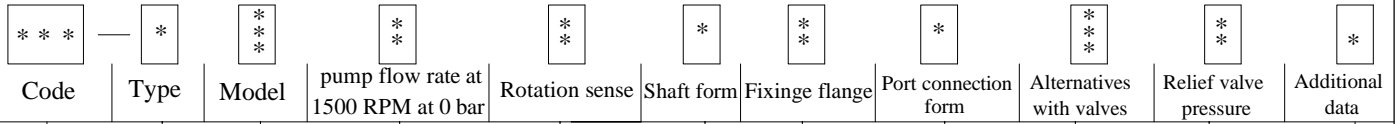




### Coding system model LO

101....299	-	1	Lo	5	C	E	10	F	V	2	B
* * *		*	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	*



**ARAFAN NAEIN CO.**  
Precision, Speed, Quality in Producing Hydraulic Gear Pump

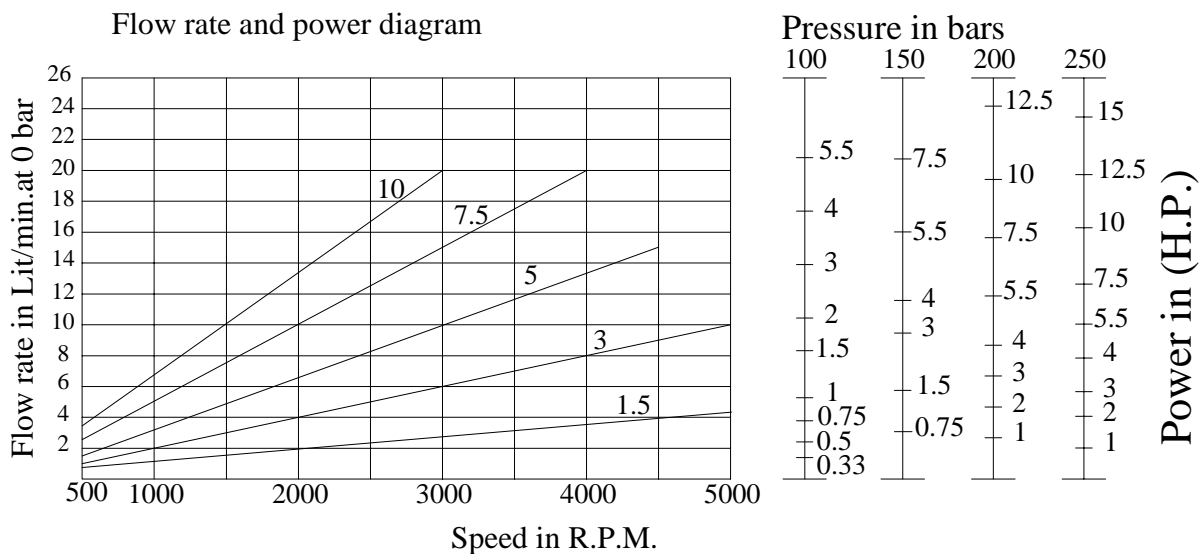
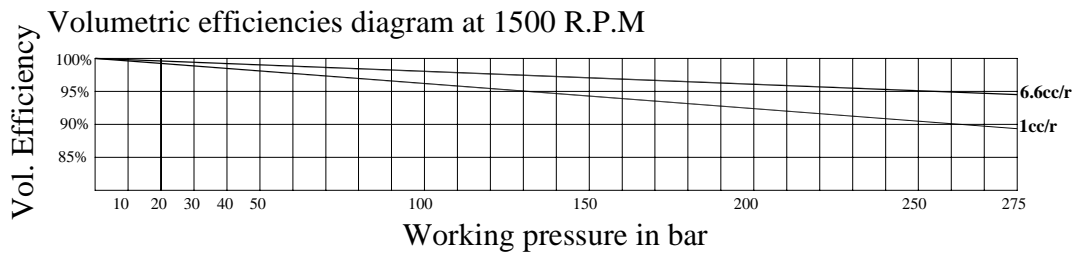


**General specification model LO**

**Hydraulic technical data**

**Gear Pump Model- LO**

Pump Flow RATE (Lit/Min) at 1500 R.P.M	1.5	3	5	7.5	10
DISPLACEMENT (CC/rev)	1	2	3.3	5	6.6
Cont. MAX. PRESSURE (bar)	275		250	185	135
INTERMITTENT MAX. PRESSURE (bar)	300		275	200	150
R.P.M AT CONT.PRESSURE	5000		4000	3000	
MAX. R.P.M	6000		5000	4000	3000
MIN. R.P.M AT GIVEN PRESSURES	100bar	1000	750	500	
	175bar	1500	1250		1000
	250bar	2000	1750	1500	+
	300bar	3000	2000	+	+



NOTE : The results have been obtained with 5 E(37cSt) viscosity oil and at 50 °C



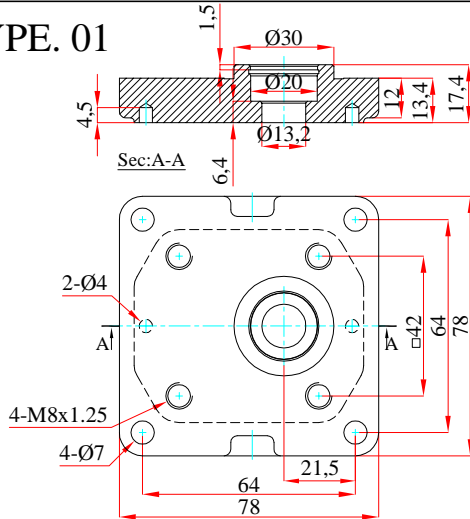
General specification model LO

pump flow rate at 1500 RPM at 0 bar	MAX Pressure (bar)	MAX Speed (RPM)	MIN Speed (RPM)
1LO1.5	300	6000	1000
1LO3	300	6000	1000
1LO5	275	5000	750
1LO7.5	200	4000	500
1LO10	150	3000	500

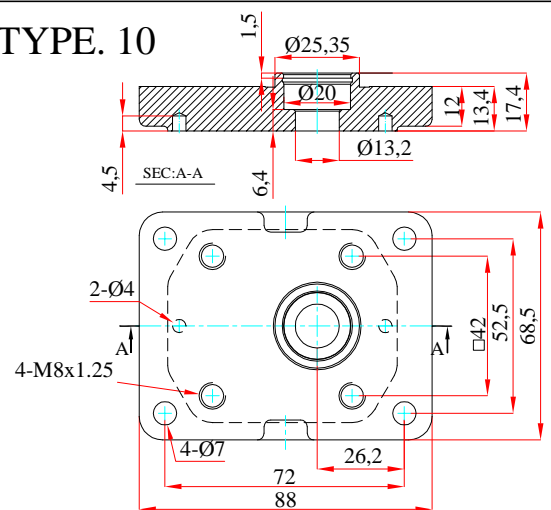


Flange type model LO

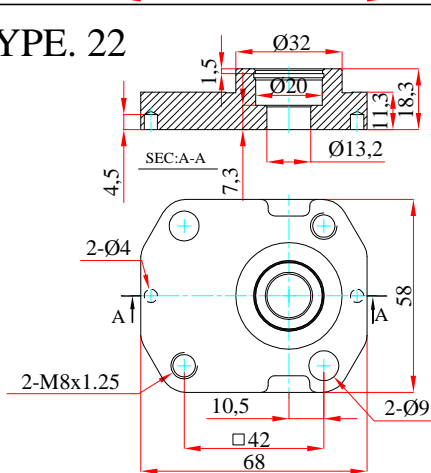
FLANGE TYPE. 01



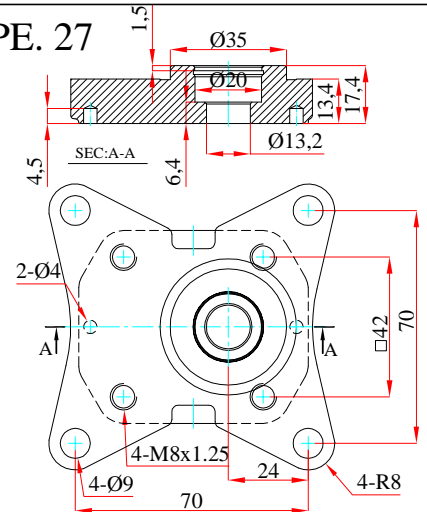
FLANGE TYPE. 10



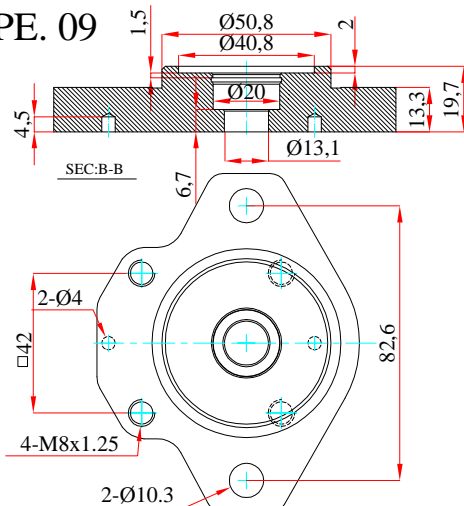
FLANGE TYPE. 22



FLANGE TYPE. 27



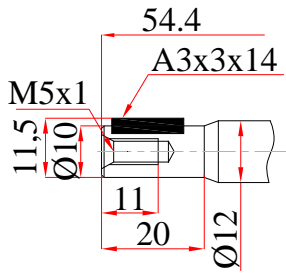
FLANGE TYPE. 09



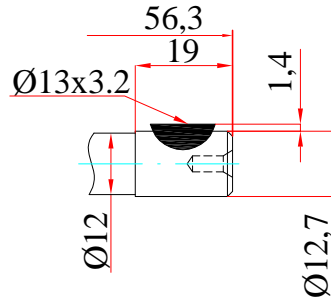


Shaft type model LO

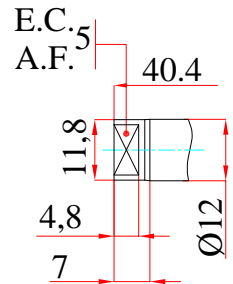
SHAFT C01



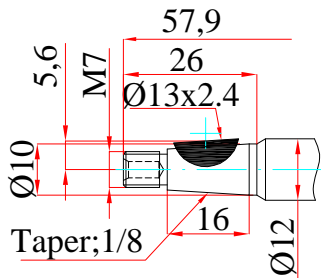
SHAFT C02



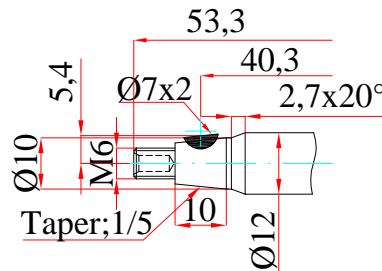
SHAFT B01



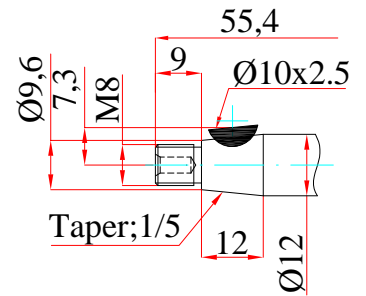
SHAFT E01



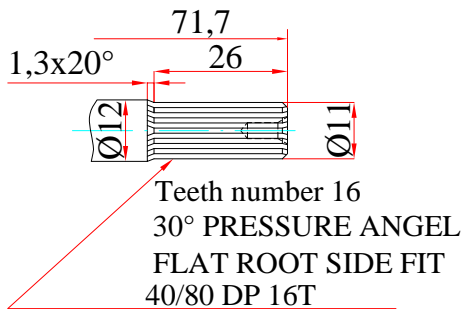
SHAFT J01



SHAFT Z01



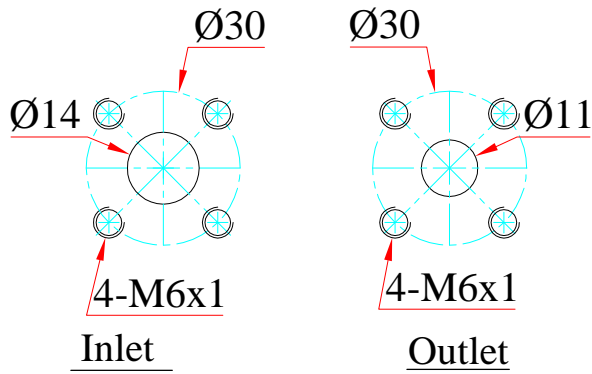
SHAFT G01



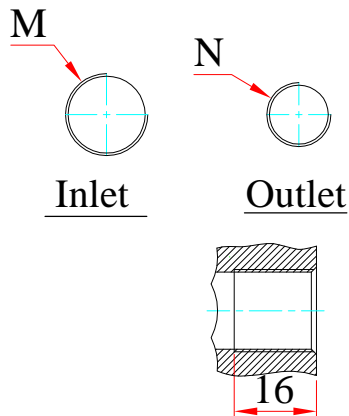


Outlet & inlet type model LO

Model:F 101

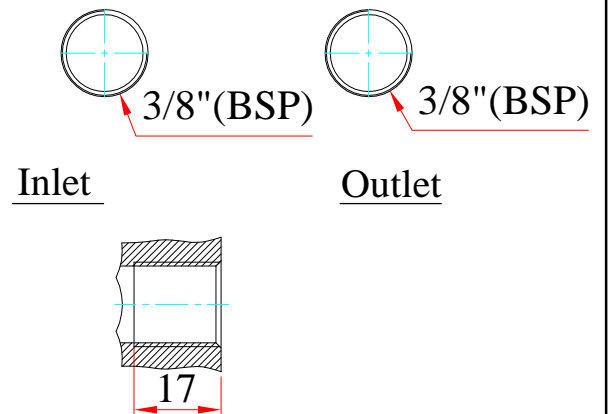


Model:R 101



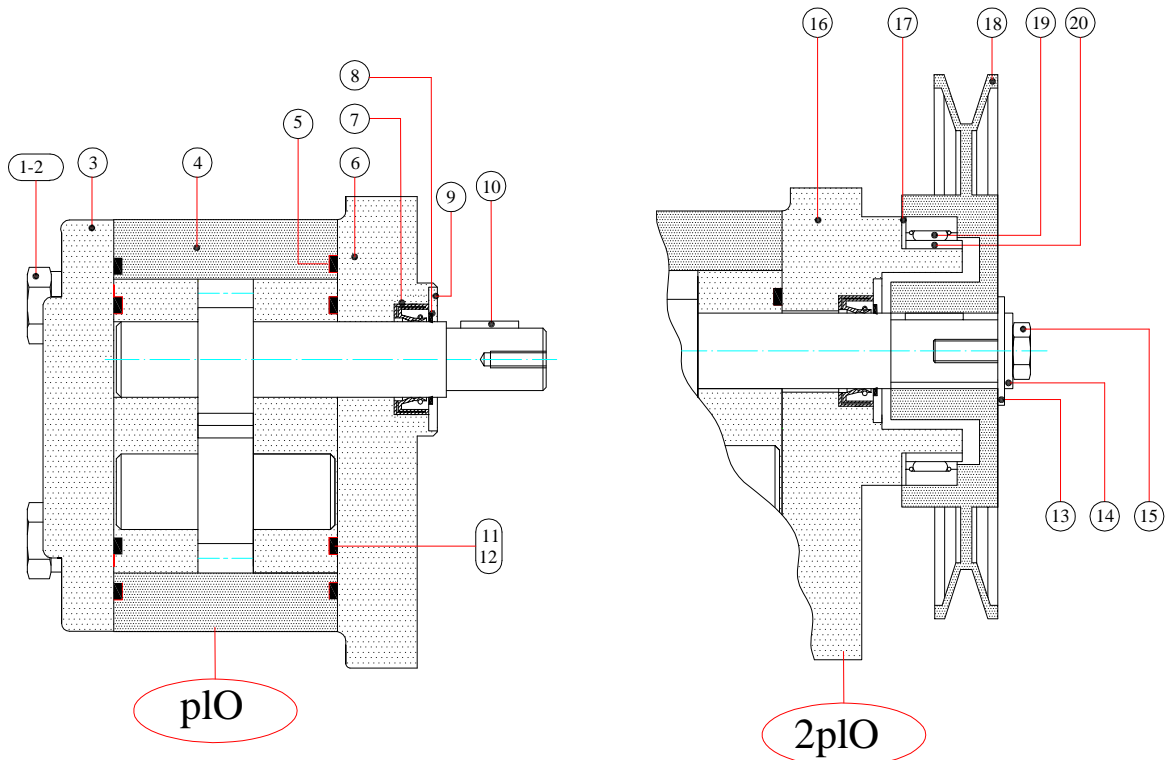
Litr	M (BSP)	N (BSP)
1.5	3/8"	1/4"
3	3/8"	1/4"
5	3/8"	1/4"
7.5	1/2"	3/8"
10	1/2"	3/8"

Model:R 102





**Assembly pump model LO**



The set mark 4 consists of:

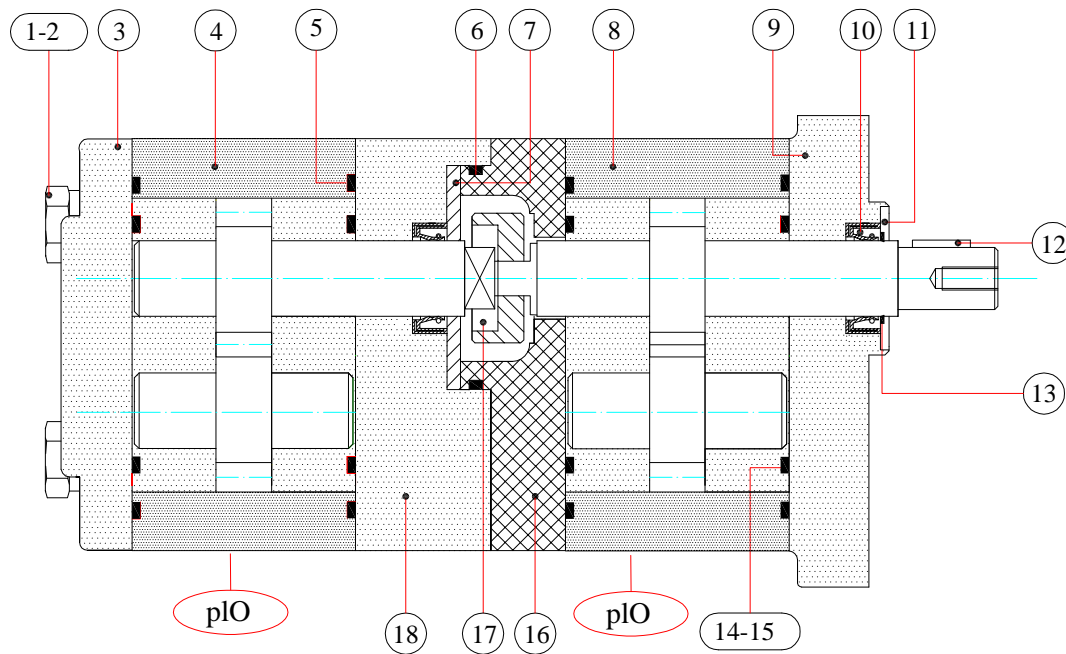
- 1-pump housing
- 2-Bearings
- 3-Driving gear
- 4-Driven gear

No.	Description	Qut
1	Screws M 8	4
2	Washer Ø8 DIN-6797	4
3	Back cover	1
4	Pump housing sub-assembly	1
5	Gasket	2
6	Flange	1
7	Oil seal	1
8	Circlip	1
9	Guid gasket	1
10	Key	1

No.	Description	Qut
11	Gasket	2
12	Anti-extrusion gasket	2
13	Washer	1
14	Safety washer	1
15	Screw M5× 15 DIN-933	1
16	Flange	1
17	Washer	1
18	Pulley	1
19	Needle bearing	1
20	Bearing ring	1



**Assembly double pump model LMO**



Part numbers 4-9 consists of:  
 1-pump housing  
 2-Bearings  
 3-Driving gear  
 4-Driven gear

No.	Description	Qut
1	Screws M 8	4
2	Washer Ø8 DIN-6797	4
3	Back cover	1
4	Pump housing sub-assembly	1
5	Gasket	4
6	Oring Ø27.7×2	1
7	Oil seal-washer	1
8	Pump housing sub-assembly	1
9	Flange	1
10	Oil seal	2

No.	Description	Qut
11	Guide gasket	1
12	Key	1
13	Circlip	1
14	Gasket	4
15	Anti-extrusion gasket	4
16	Double pump Flange	1
17	Coupling	1
18	Double pump flange(oil seal)	1

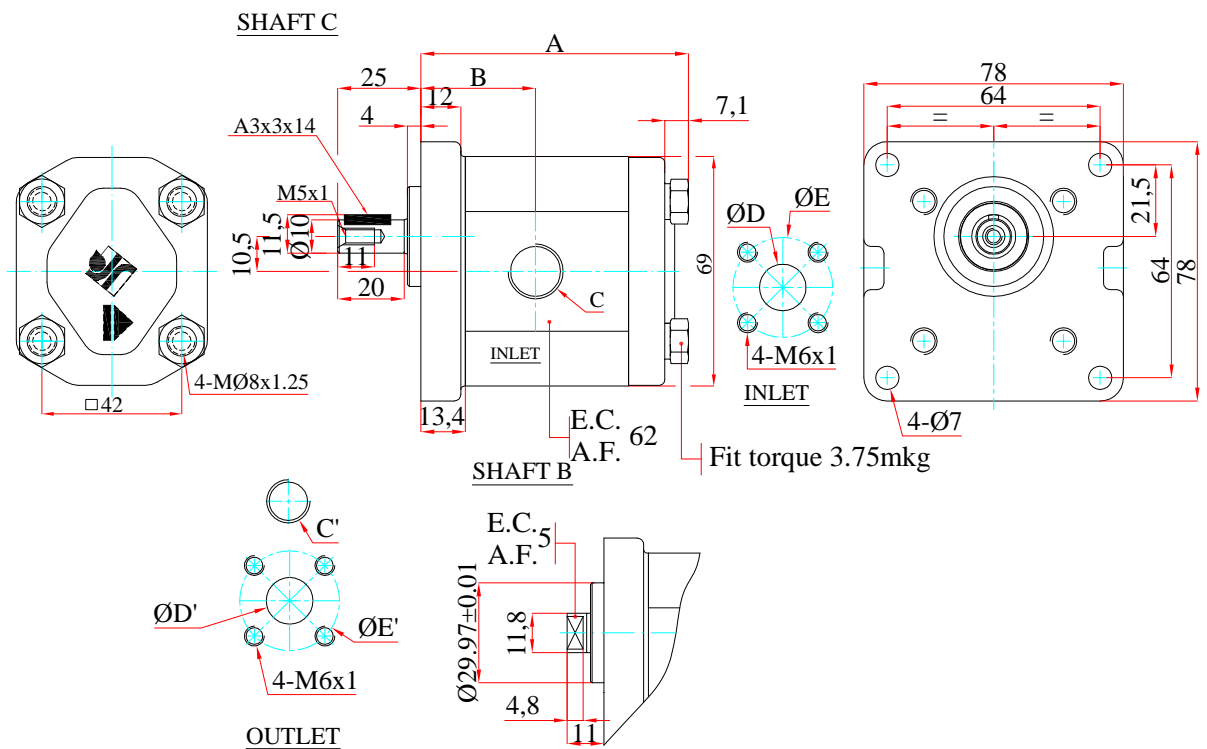




**Pump with flange type 01  
Model LO**

**101-1LO...(C/CC)C01R**

**SHAFT B&C(01)  
OUTLET & INLET R 101  
FLANGE 01**



**Max.driving torque 20Nm**

Model	A	B	Outlet			Inlet			Weight
			C'	D'	E'	C	D	E	
101-1LO1.5C▲01R	68.7	31	1/4"	11	30	3/8"	14	30	
101-1LO3C▲01R	73.8	31							
101-1LO5C▲01R	80.5	34.5	3/8"	11	30	1/2"	14	30	
101-1LO7.5C▲01R	89.3	37.5							
101-1LO10C▲01R	97.5	42.8							

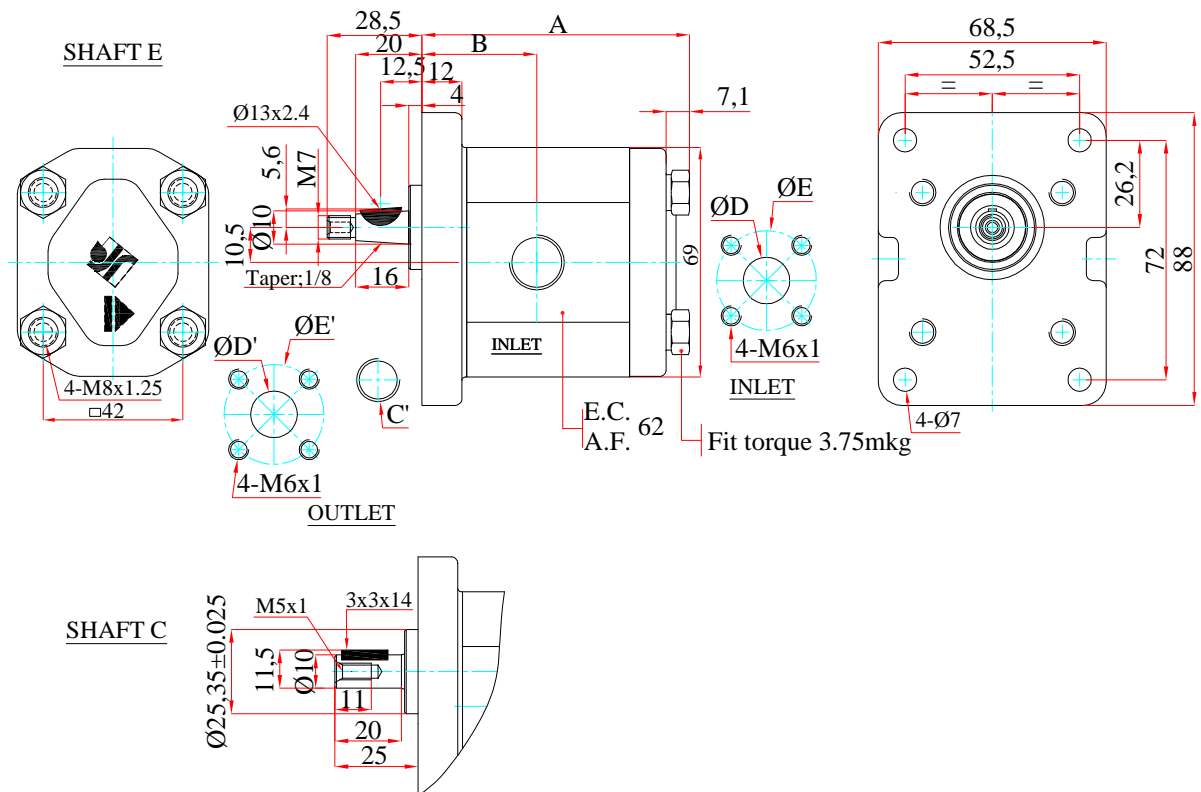
In the reversible pumps, threaded ports available R only. both ports same dimension that corresponds to the suction dimension  
The drawing above shows a pump turning clockwise. For anti-clockwise rotation sense; replace C by CC in which case suction and pressure ports shall be inverted



Pump with flange type 10  
Model LO

101-1LO...(C/CC)E10R

SHAFT C&E(01)  
OUTLET & INLET R&F(01)  
FLANGE 10



Model	A	B	Outlet			Inlet			Weight
			C'	D'	E'	C	D	E	
101-1LO1.5C▲10R	68.7	31	1/4"	11	30	3/8"	14	30	
101-1LO3C▲10R	73.8	31							
101-1LO5C▲10R	80.5	34.5	3/8"	11	30	1/2"	14	30	
101-1LO7.5▲10R	89.3	37.5							
101-1LO10C▲10R	97.5	42.8							

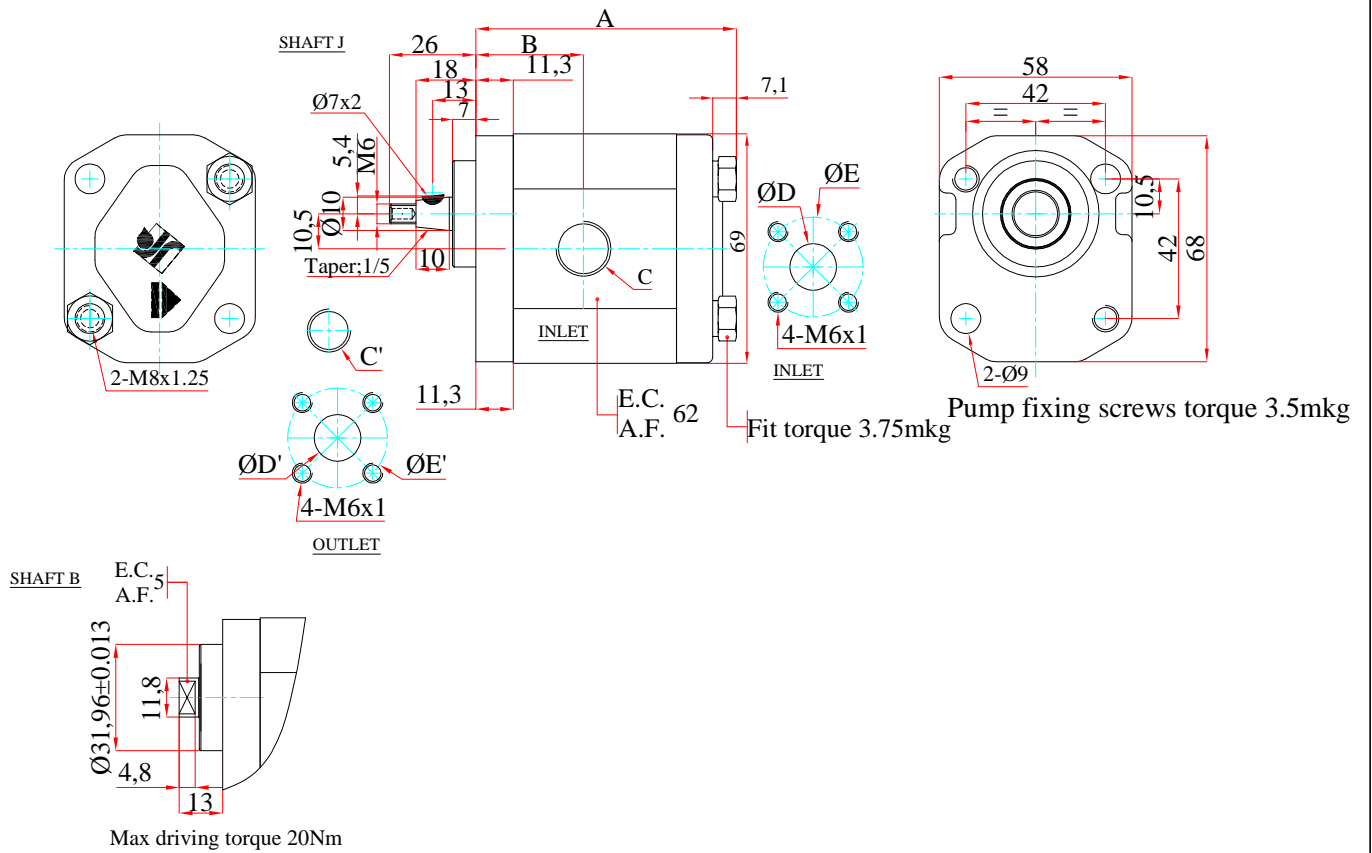
In the reversible pumps, threaded ports available R only. Both ports same dimension that corresponds to the suction dimension. The drawing above shows a pump turning clockwise. For anti-clockwise rotation sense, replace C by CC in which case suction and pressure ports shall be inverted.



**Pump with flange type 22**  
**Model LO**

**101-1LO....(C/CC)J22R**

**SHAFT B&J(01)**  
**OUTLET & INLET R&F(01)**  
**FLANGE 22**



Model	A	B	Outlet			Inlet			Weight
			C'	D'	E'	C	D	E	
101-1LO1.5C▲22R	66.6	28.9	1/4"	11	30	3/8"	14	30	
101-1LO3C▲22R	71.7	28.9							
101-1LO5C▲22R	78.4	32.4	3/8"	11	30	1/2"	14	30	
101-1LO7.5C▲22R	87.2	35.4							
101-1LO10C▲22R	95.4	40.7							

In the reversible pumps , threaded ports available R only .both ports same dimension that corresponds to the suction dimension

The drawing above shows a pump turning clockwise .For anti -clockwise rotation sense ;replace C by CC in which case suction and pressure ports shall be inverted

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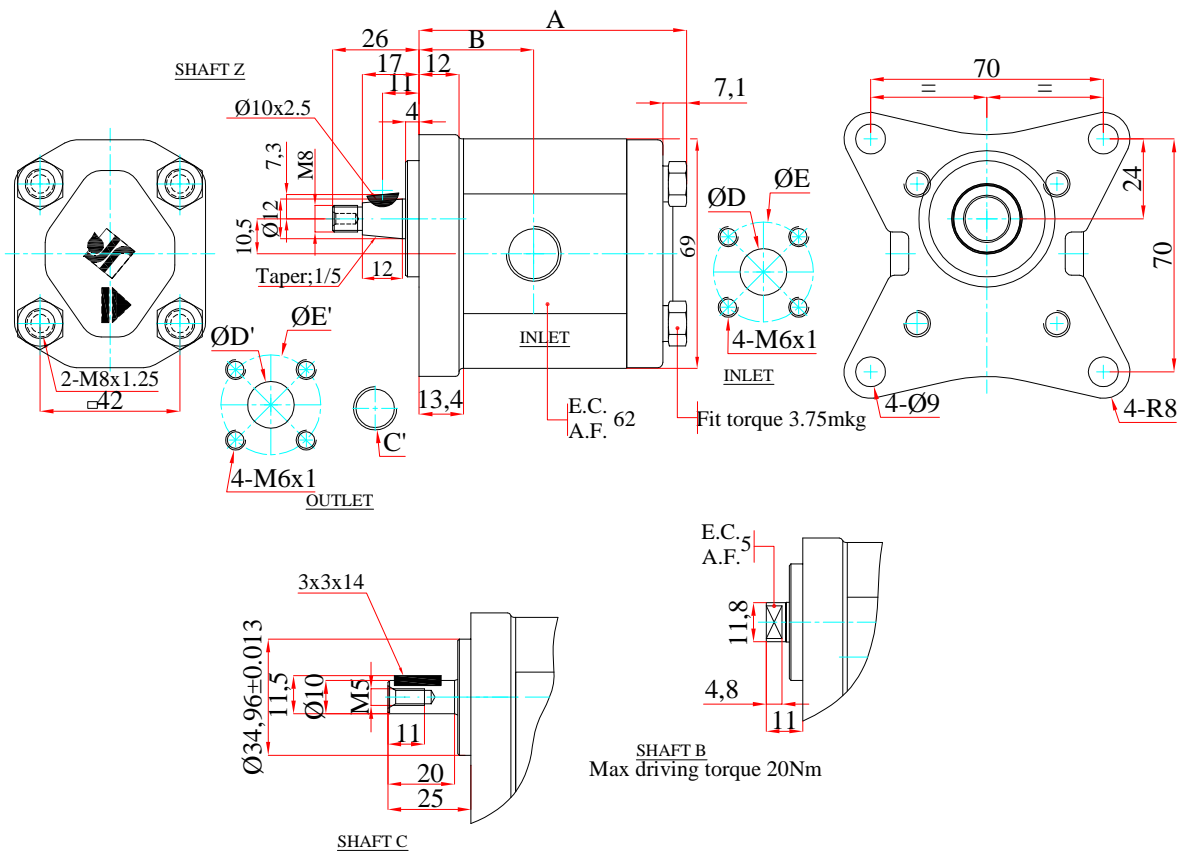
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## Pump with flange type 27 Model LO

### 101-1LO...(C/CC)Z27R

SHAFT B&C&Z(01)  
OUTLET & INLET R&F(101)  
FLANGE 27



Model	A	B	Outlet			Inlet			Weight
			C'	D'	E'	C	D	E	
101-1LO1.5C▲27R	68.7	31	1/4"	11	30	3/8"	14	30	
101-1LO3C▲27R	73.8	31							
101-1LO5C▲27R	80.5	34.5							
101-1LO7.5C▲27R	89.3	37.5	3/8"	11	30	1/2"	14	30	
101-1LO10C▲27R	97.5	42.8							

In the reversible pumps, threaded ports available R only. Both ports same dimension that corresponds to the suction dimension.

The drawing above shows a pump turning clockwise. For anti-clockwise rotation sense, replace C by CC in which case suction and pressure ports shall be inverted.

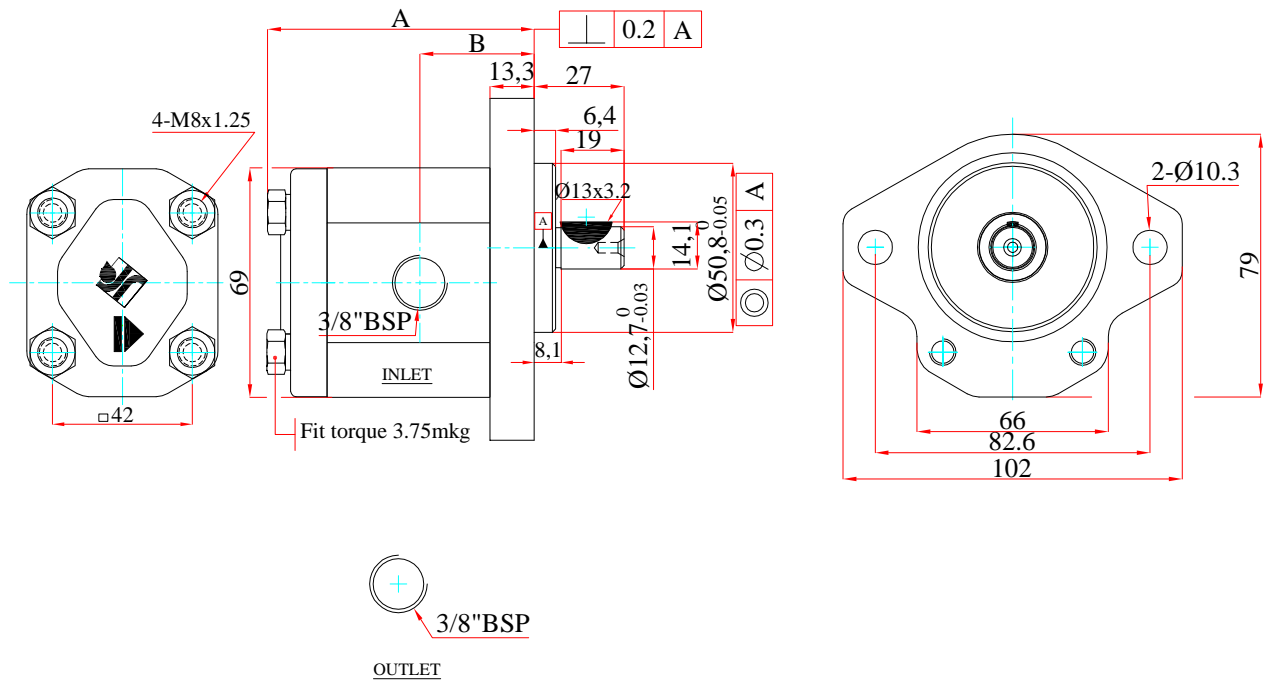
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Pump with flange type 09  
Model LO

102-1LO....(C/CC)C09R

SHAFT C(C02)  
OUTLET & INLET R(102)  
FLANGE 09



Model	B	A
102-1LO1.5CC09R	31	68.7
102-1LO3CC09R	31	73.8
102-1LO5CC09R	34.5	80.5
102-1LO7.5CC09R	37.5	89.3
102-1LO10CC09R	42.8	97.5

In the reversible pumps , threaded ports available R only .both ports same dimension that corresponds to the suction dimension

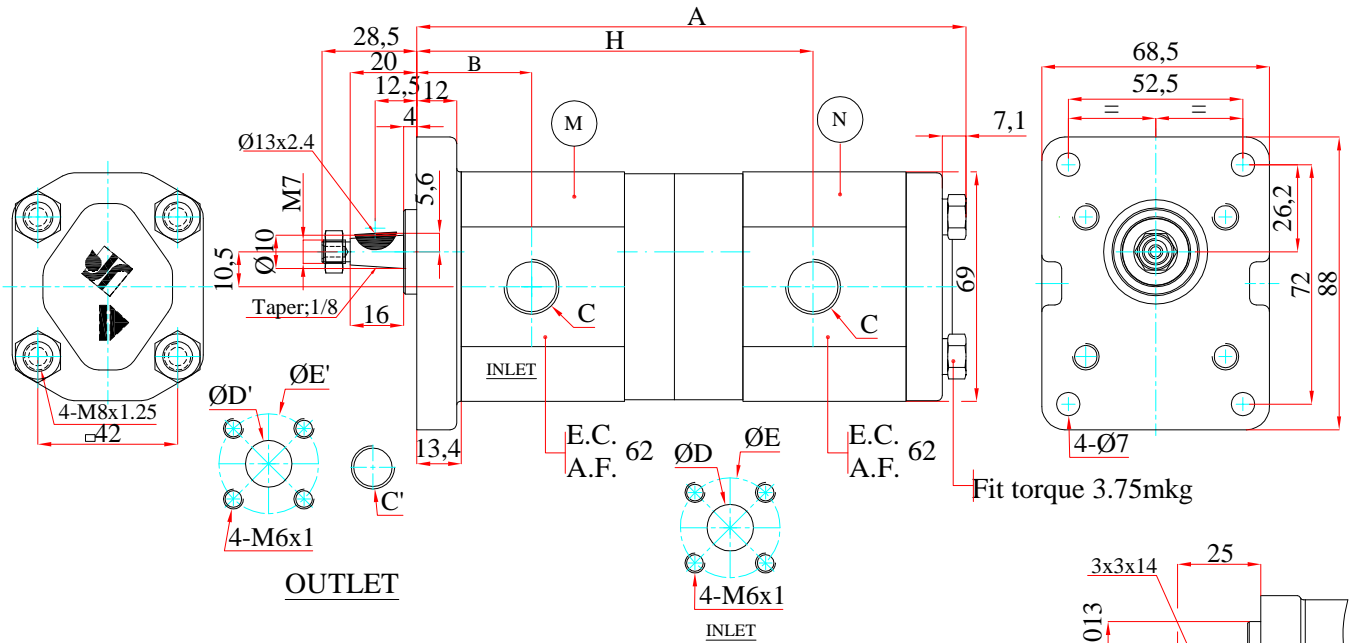
The drawing above shows a pump turning clockwise .For anti -clockwise rotation sense ;replace C by CC in which case suction and pressure ports shall be inverted



**Double pump with flange type 10  
Model LMO**

**101-1LMO...(C/CC)E10R**

SHAFT C&E(01)  
OUTLET & INLET R&F(101)  
FLANGE 10



Model	A	H	B	Outlet			Inlet			Weight
				C'	D'	E'	C	D	E	
101-1LMO1.5-1.5C▲10R	141.6	103.9	31	1/4"	11	30	3/8"	14	30	
101-1LMO3-1.5C▲10R	146.7	109	31							
101-1LMO3-3C▲10R	151.8	109	31							
101-1LMO5-1.5C▲10R	153.4	115.7	34.5							
101-1LMO5-3C▲10R	158.5	115.7	34.5							
101-1LMO5-5C▲10R	165.2	119.2	34.5							
101-1LMO7.5-1.5C▲10R	162.2	124.5	37.5							
101-1LMO7.5-3C▲10R	167.3	124.5	37.5							
101-1LMO7.5-5C▲10R	174	128	37.5							
101-1LMO7.5-7.5C▲10R	182.8	131	37.5							
101-1LMO10-1.5C▲10R	170.4	132.7	42.8	3/8"			1/2"			
101-1LMO10-3C▲10R	175.5	132.7	42.8							
101-1LMO10-5C▲10R	182.2	136.2	42.8							
101-1LMO10-7.5C▲10R	191	139.2	42.8							
101-1LMO10-10C▲10R	199.2	144.5	42.8							

In the reversible pumps, threaded ports available R only. both ports same dimension that corresponds to the suction dimension  
The drawing above shows a pump turning clockwise. For anti-clockwise rotation sense; replace C by CC in which case suction and pressure ports shall be inverted