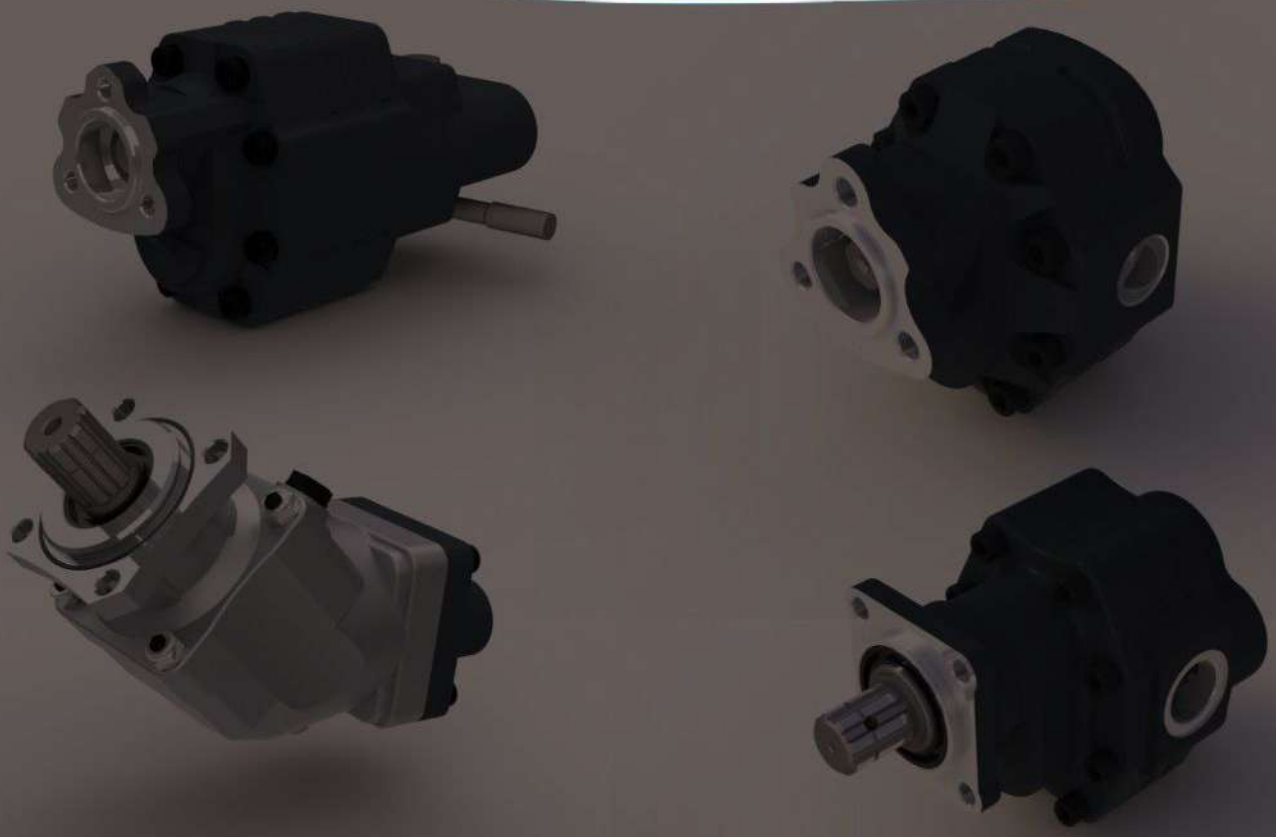
HPsystems®

Hydraulic Power Systems

HİDROLİK POMPALAR
HYDRAULIC PUMP



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Entire elements of the system (cylinder, pump, valve, limit control valve, oil, oil tank, hoses, sockets, etc) should be compatible with each other. Elements used without sufficient knowledge negatively affect the pump's life. A pump model having compatible performance values (rotation, pressure, flow rate) with usage objectives should be selected, such as gear pump, axial pump or piston pump. Adequate connection type should be defined. (See Diagram 1)

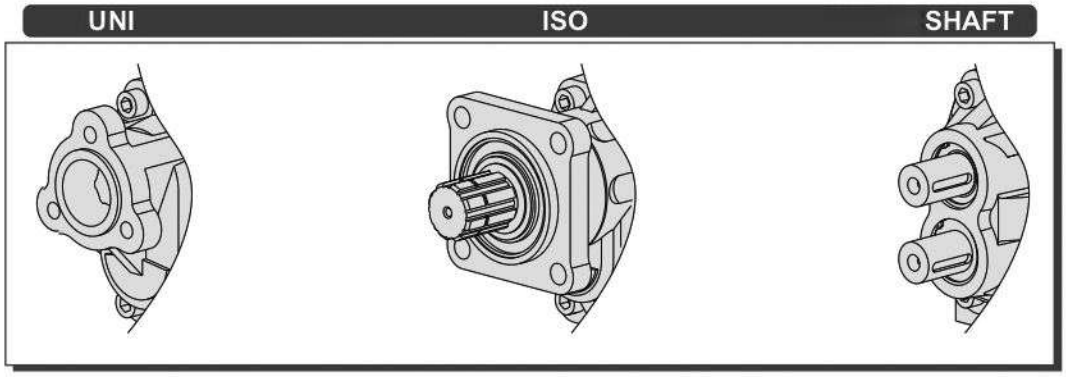


Diagram 1 Mounting Types

Pump direction is defined according to drive elements such as PTO electric engine. Pump should always be under the tank level (See diagram 2)

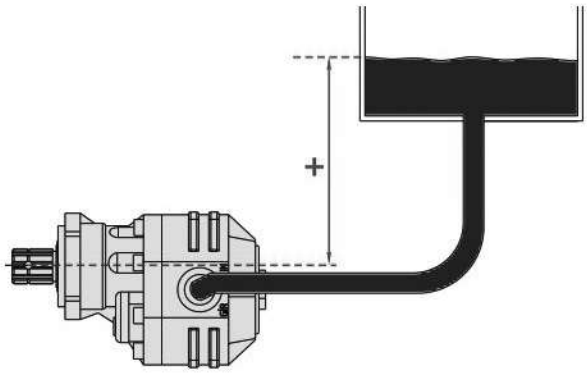


Diagram 2

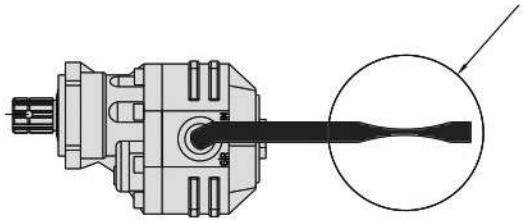


Diagram 3

Hose and connector measures of the entire installation should be the same with intake and outlet connector measures indicated in the catalogue. Oil intake hose should be in a quality as not to be affected from the pump suction. Contractions on inadequate intake hoses (Diagram 3) negatively affect the pump's life.

No contractions should be seen on other feeding line passage points even if the pump intake connector is adequate (See table 1).

Akış / Flow 1/dk.	Giriş Inlet	Çıkış Outlet
8	R 1/2"	R 1/4"
17	R 3/4"	R 3/8"
30	R 1"	R 1/2"
50	R 1 1/4"	R 1/2"
70	R 1 1/2"	R 3/4"
90	R 1 3/4"	R 1"
125	R 2"	R 1"
150	R 2 1/4"	R 1"

Table 1

Intake and outlet sockets on Dorsey Dumpers should be on requested measures. The filter used should be selected according to filter list. Plastic guards on oil intake and outlet holes should be removed and connectors should be set in immediately. Oil tank and installation cleanliness should be controlled and the oil tank air intake-outlet should be comfortable. We suggest you to connect the oil filter to the pressure line. The tank should be completely filled with adequate oil (See Table 1) and be left to rest for a-couple of hours.

	WINTER MONTHS	SUMMER MONTHS
MARKA/BRAND	**ISO 32**	**ISO 46**
BP	ENERGOL HLP 32	ENERGOL HLP 46
MOBIL	D.T.E 24	D.T.E 25
SHELL	TELLUS 32	TELLUS 46
PETROL OFİSİ	RANDO OIL HD 32	RANDO OIL HD 46

Table 2

You should control that the installation is completely filled with oil till pump intake level and that all valves are open before the cold start. Never start the pump without oil. Cold start should be for a couple of minutes under low rotation (idle running for trucks) and the pump's normal operation and noise level and oil leaks should be observed. The system should be immediately stopped in an abnormal situation to prevent any damage and should be controlled again. Discharge hole seen of Fig. 4 is designed to detect easily defects and leaks on oil seals. Oil discharge hole should be frequently controlled by the operator.

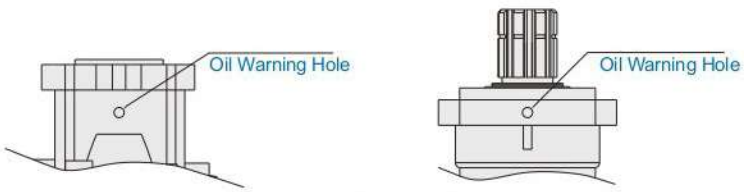
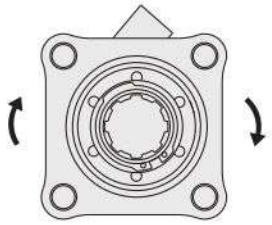


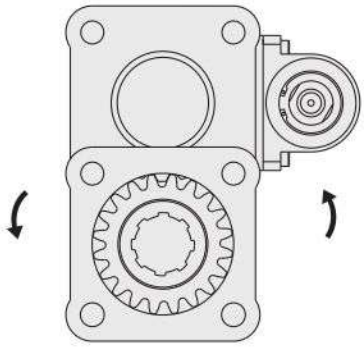
Diagram 4

Maximum speed indicated on the catalogue should never be exceeded when the pump operates normally. Periods of continuous pressure application on the pump should never exceed catalogue values. Pressure adjustments of valves on the installation should never be changed for they are set up by sensitive measurement devices during the production. Ideal oil temperature is 50°- 60°. The pump can be continually operated between 0° and 80°. The installation's periodical maintenance (oil quality, filter cleaning, pressure adjustments, visual controls, etc) should never be neglected even if the system operates normally. Please contact our service department in any problem.

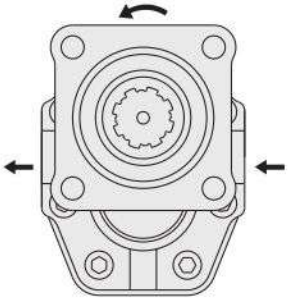
30 SERIES GEAR PUMP



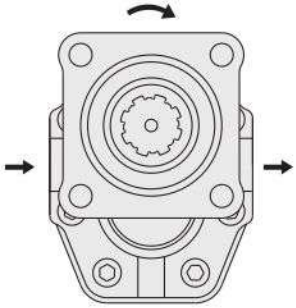
The PTO shaft is CW rotation



The PTO Shaft is CCW rotation

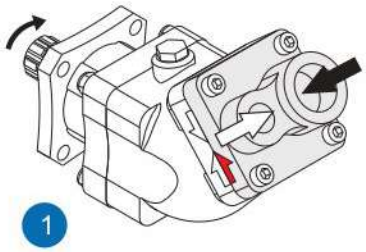


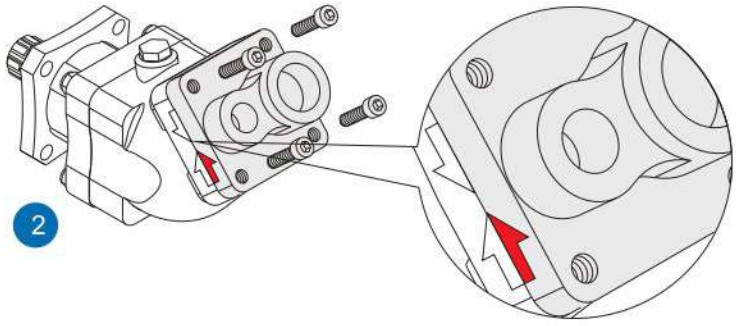
The PTO shaft is CCW rotation

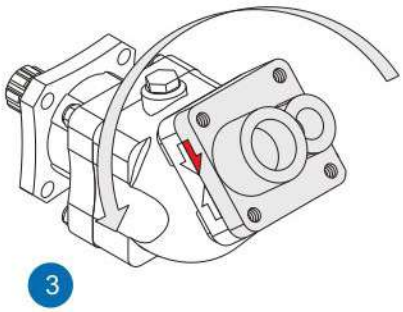


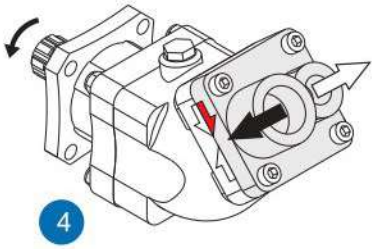
The PTO shaft is CW rotation

CHANGE OF ROTATION FOR BENT AXIS PUMPS



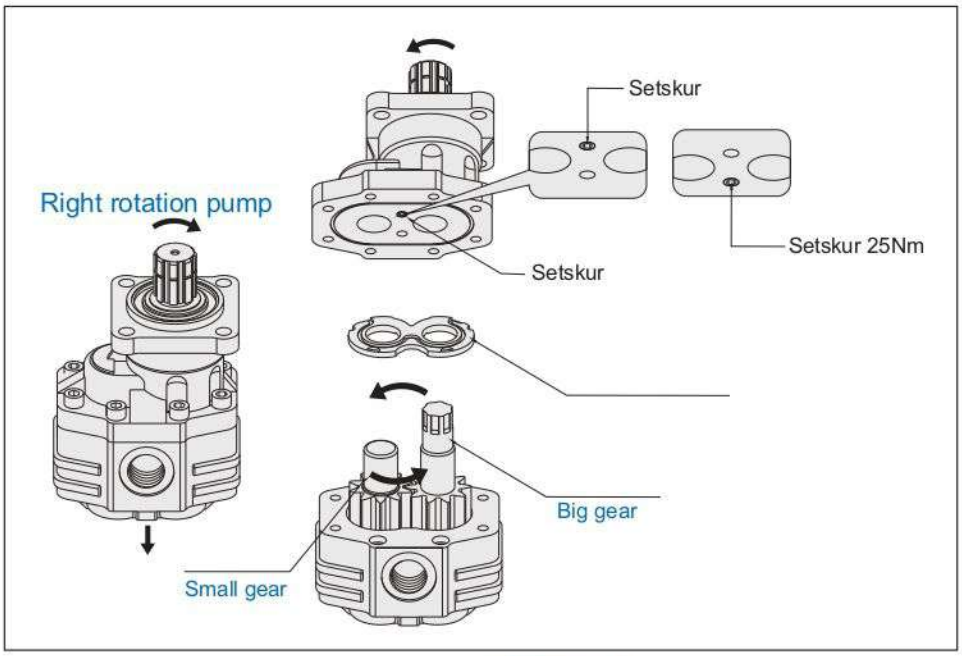






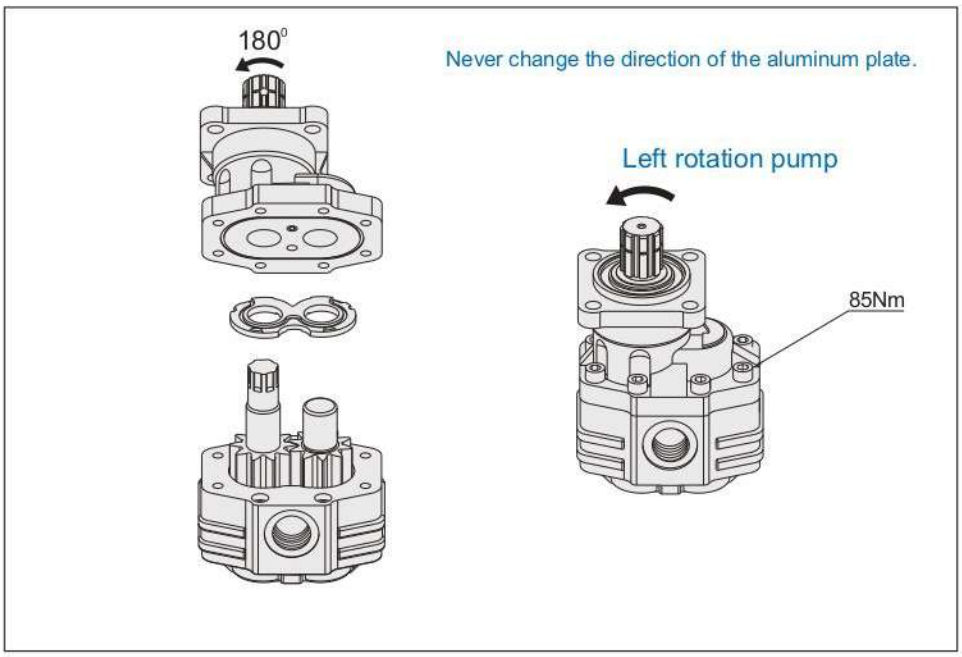
Please remove the back screws. Wihtout moving the distributor body from pump, rotate the distributor body 180°. Do not move the distributor body during the operation(see d.2).And tighten the screws.(see d.4)

Separate first the cover from the body to reverse the pump (Diagram 1)



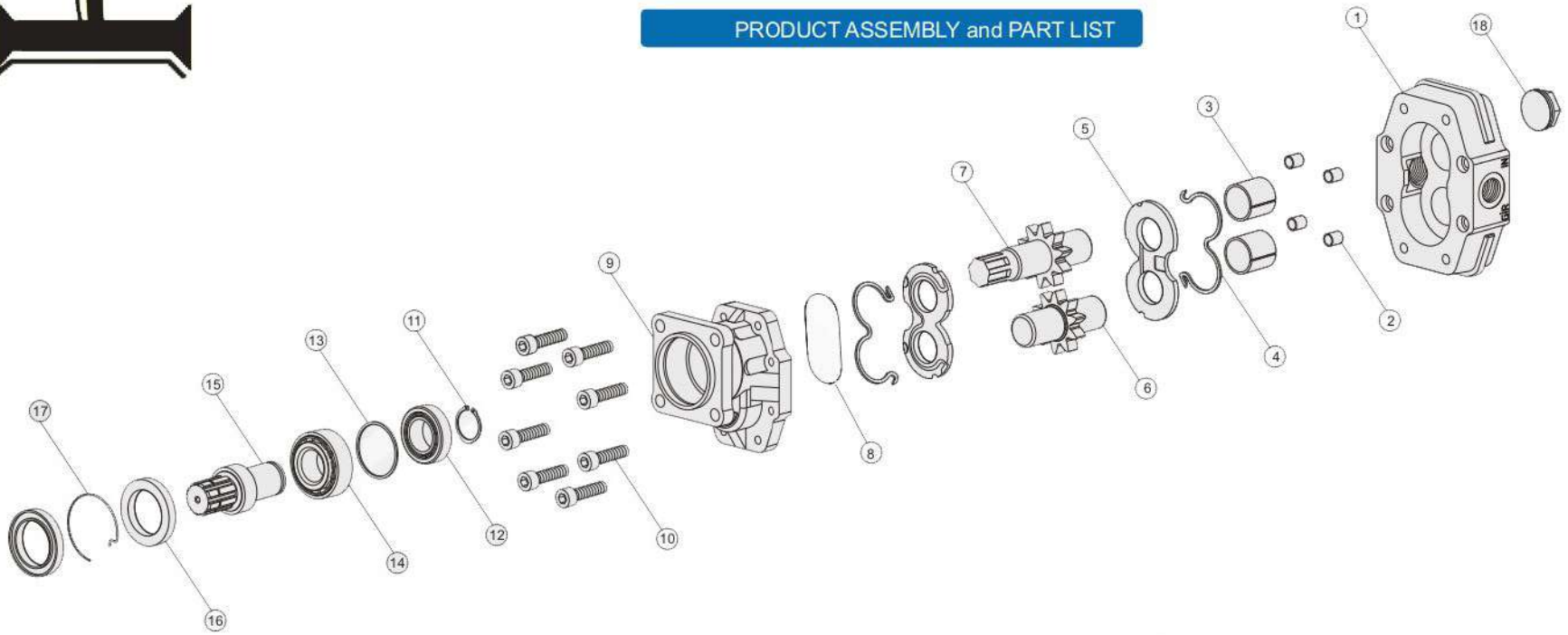
(Diagram 1)

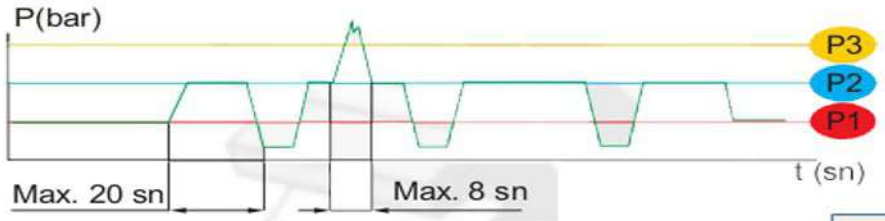
Remove the endless screw you see on the cover and put it on the opposite empty hole. Remove the aluminum plate. Change locations of the small and big gears. Set in place the aluminum plate you have already removed. The body operation is finished. Turn 180° the cover and re-assemble the pump.



Note: O-ring on the cover surface has to be put again on the housing and greased in order to prevent it from falling down during the pump re-assembly.

PRODUCT ASSEMBLY and PART LIST





Max. Peak Pressure
Max Intermittent Pressure
Max Continuous Pressure

Ideal oil temp.	50° /60°C	Maksimum temp.	0° /80°C

GENEL BİLGİLER/GENERAL DATA

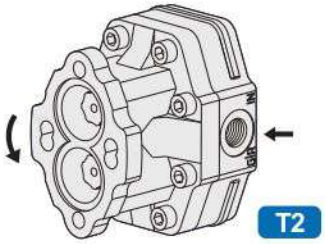
Pump Type	Displecement	Max. Continuous Speed	Min. Intermitt. Speed	Max. Intermitt. Speed	Max. Continuous Pressure	Max. Intermitt. Pressure	Max. Peak Pressure	Weight
	lt/dk(gpm)	n(min^{-1})	n(min^{-1})	n(min^{-1})	bar (psi)	bar (psi)	bar (psi)	kg(lb) Pound
30-17	17,20/03,80	2500	450	4000	315/4568	340/4931	450/6526	10,50/28,30

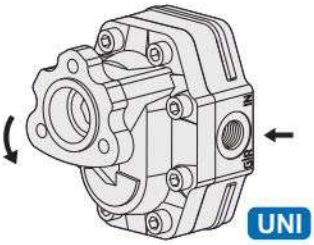
17 cc GEAR PUMP

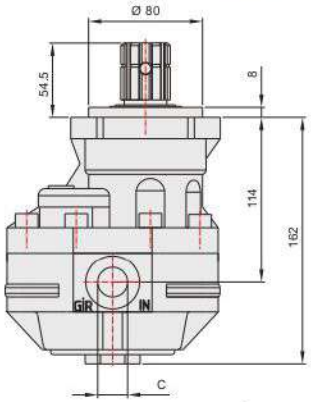
PDTD300170131/32

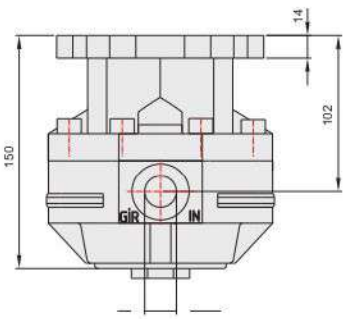
PDTD300170123

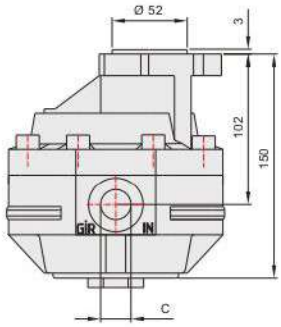
PDTD300170111/12

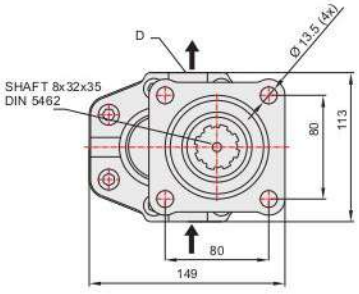


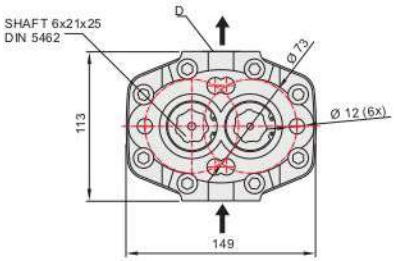


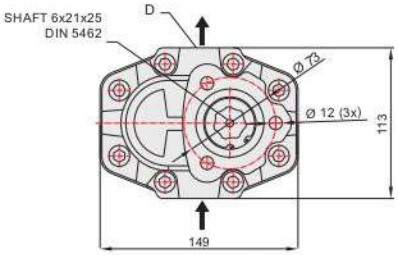


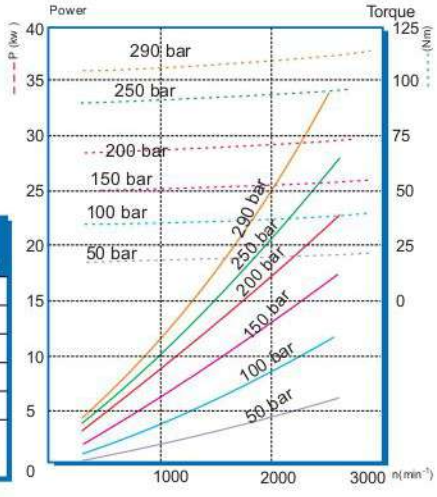








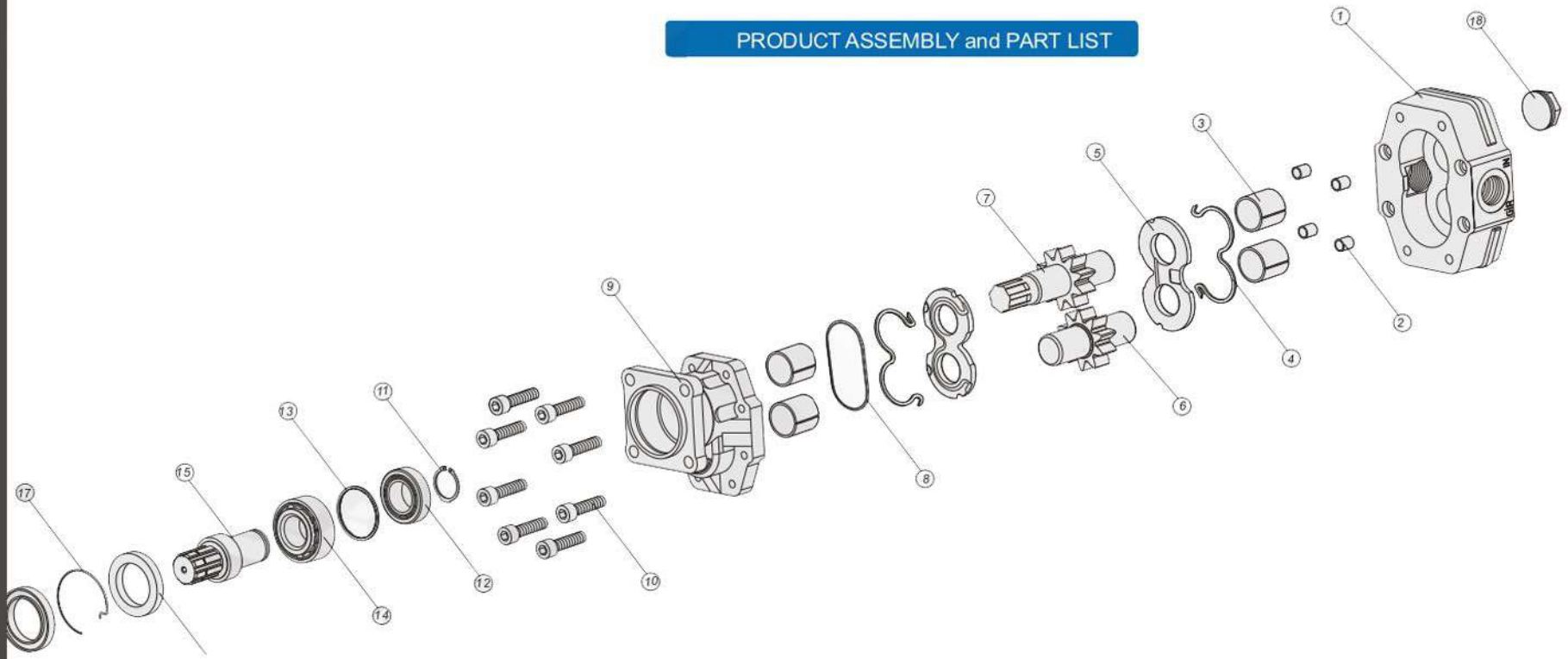


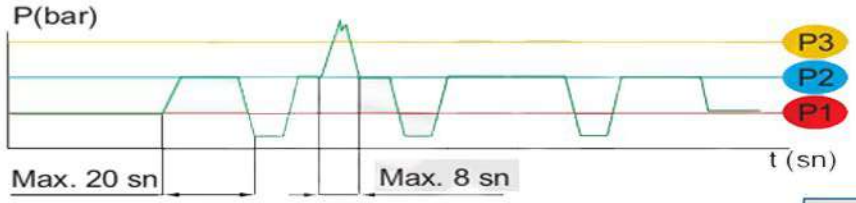


GENERAL DATA

Pump Codes	ISO PDTD300170131/32	T2 PDTD300170123	UNI PDTD300170131/12
Pump Type	30-17	30-17	30-17
Min. Hose Dia.	15	15	15
Weight(kg)	10,5	9	8,5
Oil Inlet	R 1/2"	R 1/2"	R 1/2"
Oil Outlet	R 1/2"	R 1/2"	R 1/2"
Fluid	Mineral based hydraulic oil		

PRODUCT ASSEMBLY and PART LIST





Max. Peak Pressure
Max Intermittent Pressure
Max Continuous Pressure

Ideal oil temp.	50° /60°C	Maksimum temp.	0° /80°C

GENERAL DATA

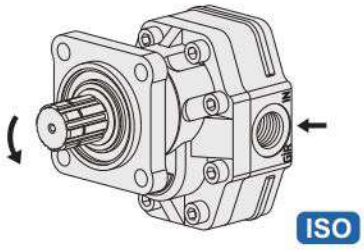
Pump Type	Displecement	Max. Continuous Speed	Min. Intermitt. Speed	Max. Intermitt. Speed	Max. Continuous Pressure	Max. Intermitt. Pressure	Max. Peak Pressure	Weight
	lt/dk(gpm)	n(min^{-1})	n(min^{-1})	n(min^{-1})	bar (psi)	bar (psi)	bar (psi)	kg(lb) Pound
30-27	26,50/05,80	2500	450	4000	305/4423	330/4786	450/6526	10,90/29,20

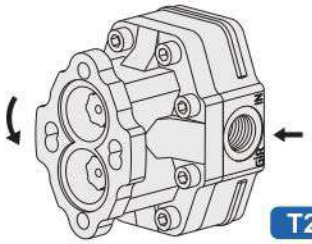
27 cc GEAR PUMP

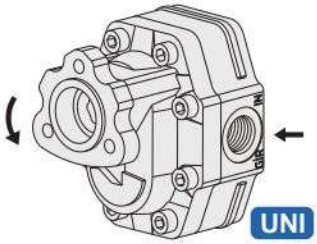
PDTD300270131/32

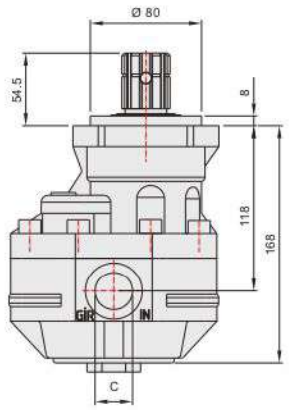
PDTD300270123

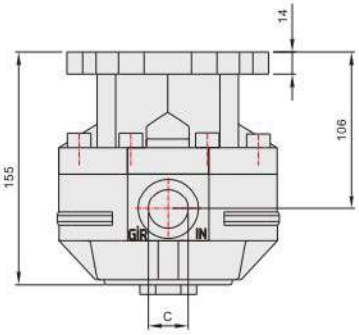
PDTD300270111/12

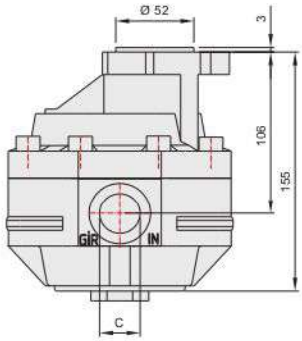


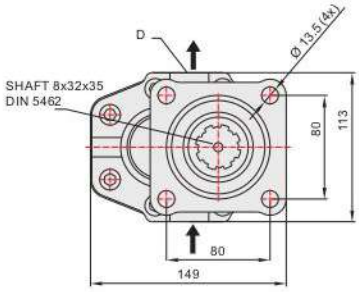


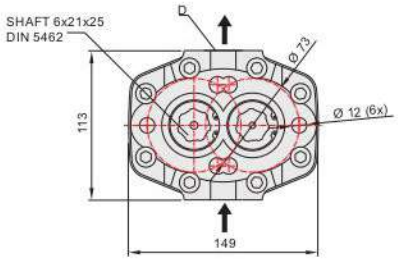


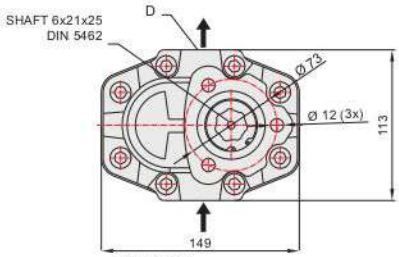


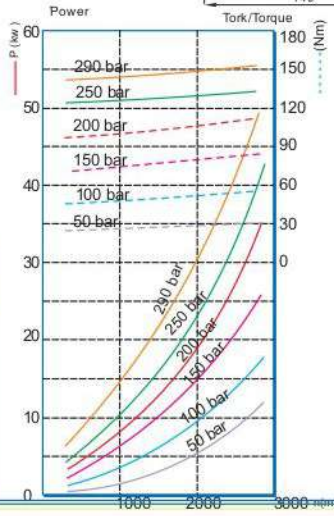








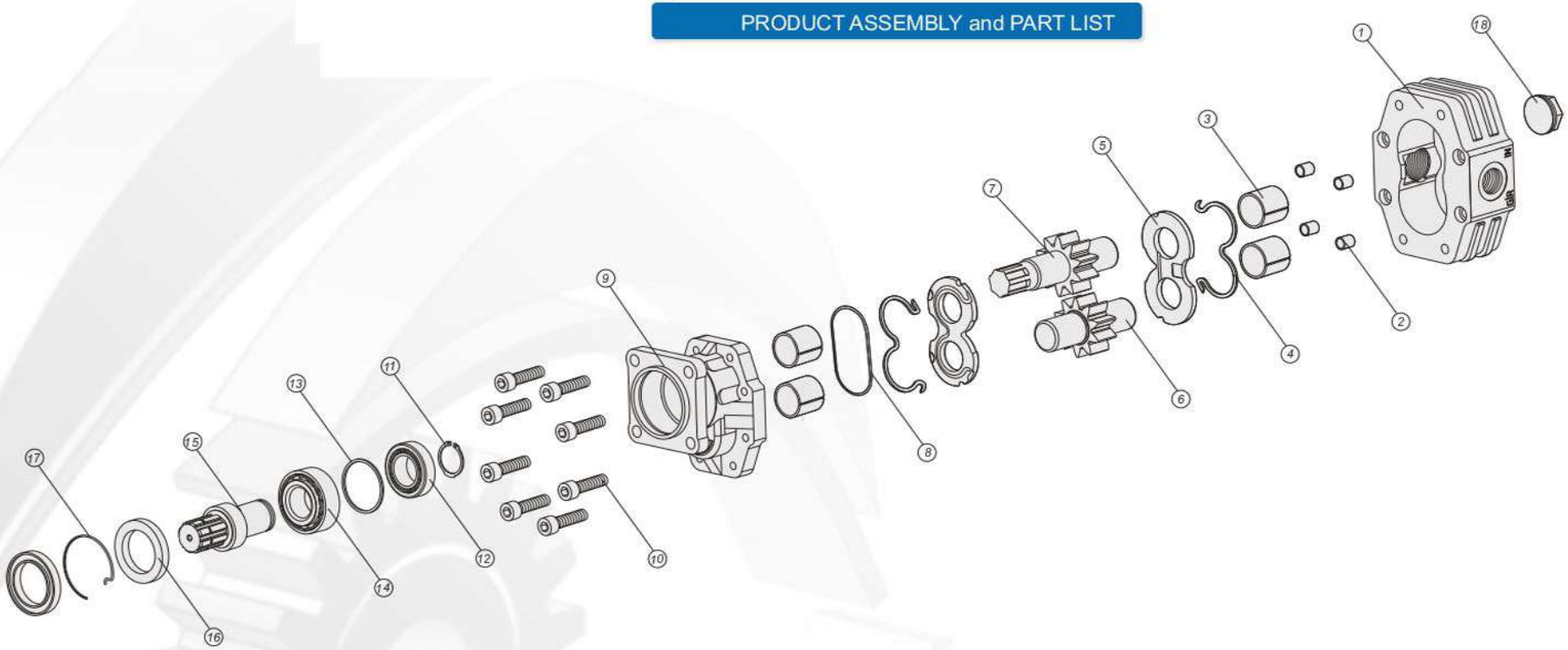


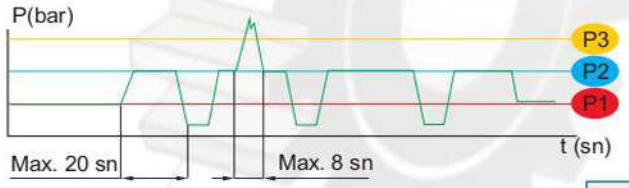


GENERAL DATA

Pump Codes	ISO PDTD300270131/32	T2 PDTD300270123	UNI PDTD300270111/12
Pump Type	30-27	30-27	30-27
Min. Hose Dia.	20	20	20
Weight(kg)	11	9,5	9
Oil Inlet	R 3/4"	R 3/4"	R 3/4"
Oil Outlet	R 3/4"	R 3/4"	R 3/4"
Fluid	Mineral based hydraulic oil		

PRODUCT ASSEMBLY and PART LIST





Max. Peak Pressure
Max Intermittent Pressure
Max Continuous Pressure

Ideal oil temp.	50° /60°C

Maximum temp.	0° /80°C

GENEL BİLGİLER/GENERAL DATA

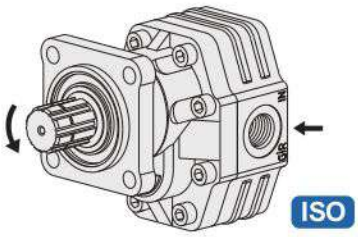
Pump Type	Displecement	Max. Continuous Speed	Mİn. Intermitt. Speed	Max. Intermitt. Speed	Max. Continuous Pressure	Max. Intermitt. Pressure	Max. Peak Pressure	Weight
	lt/dk(gpm)	n(min^{-1})	n(min^{-1})	n(min^{-1})	bar (psi)	bar (psi)	bar (psi)	kg(lb) Pound
30-34	34,30/07,50	2200	350	3500	300/4351	325/4714	450/6526	11,5/30,50

34 cc GEAR PUMP

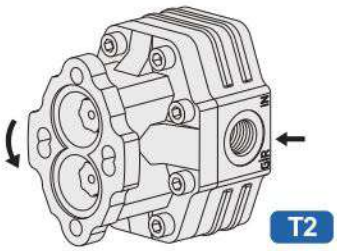
PDTD300340131/32

PDTD300340123

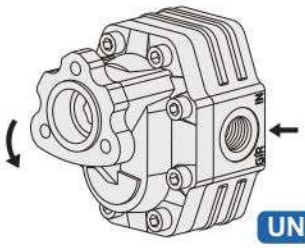
PDTD300340111/12



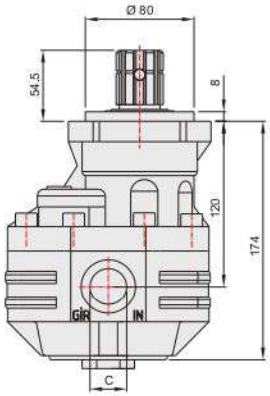
ISO

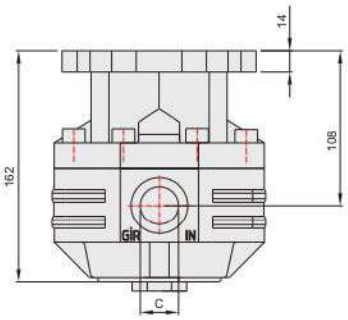


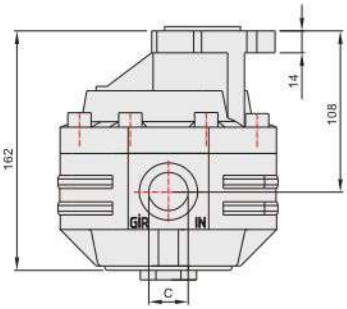
T2

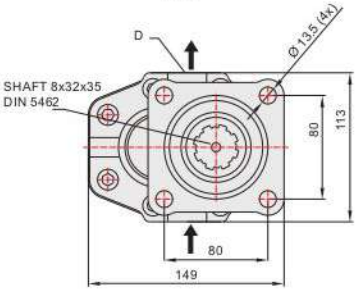


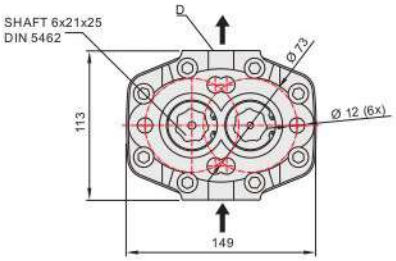
UNI

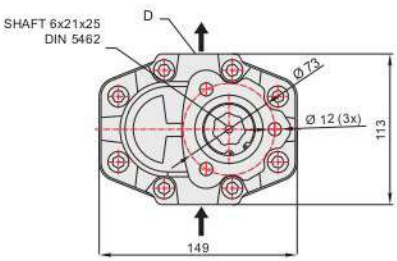


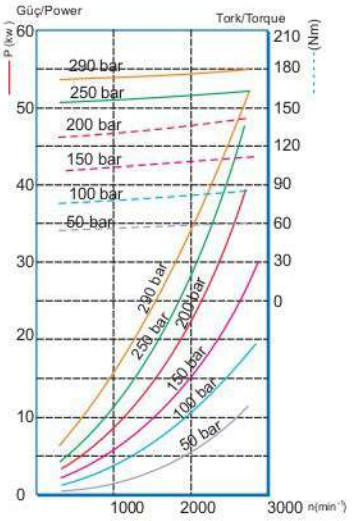












GENERAL DATA

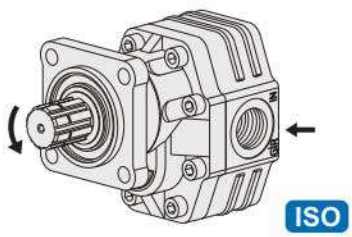
Pump Codes	ISO PDTD300340131/32	T2 PDTD300340123	UNI PDTD300340111/12
Pump Type	30-34	30-34	30-34
Min. Hose Dia.	20	20	20
Weight(kg)	11,5	10	9,5
Oil Inlet	R 3/4"	R 3/4"	R 3/4"
Oil Outlet	R 3/4"	R 3/4"	R 3/4"
Fluid	Mineral based hydraulic oil		

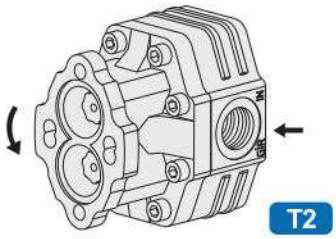
43 cc GEAR PUMP

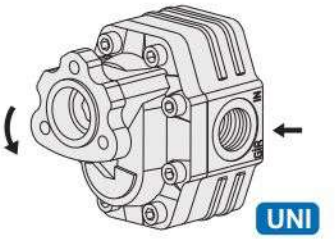
PDTD300430131/32

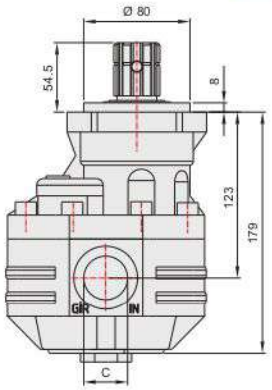
PDTD300340123

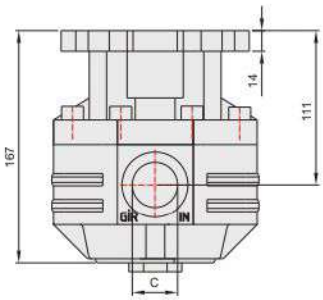
PDTD300340111/12

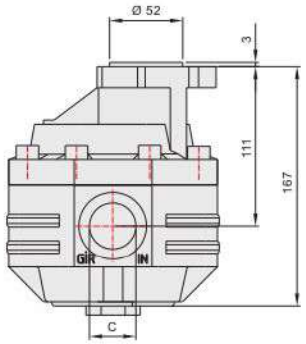


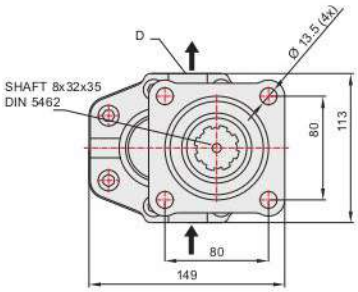


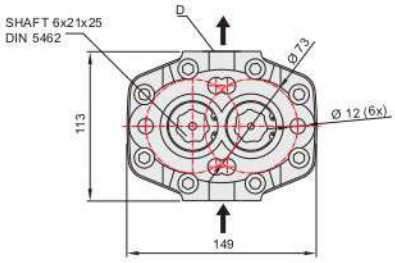


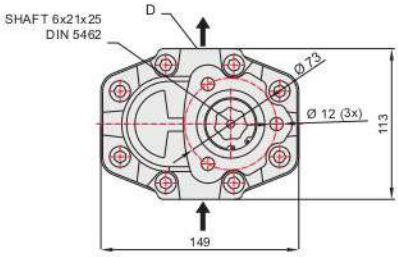


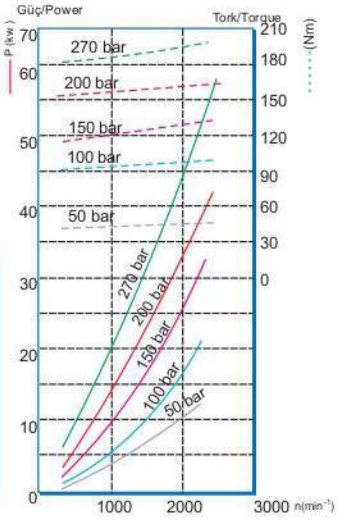








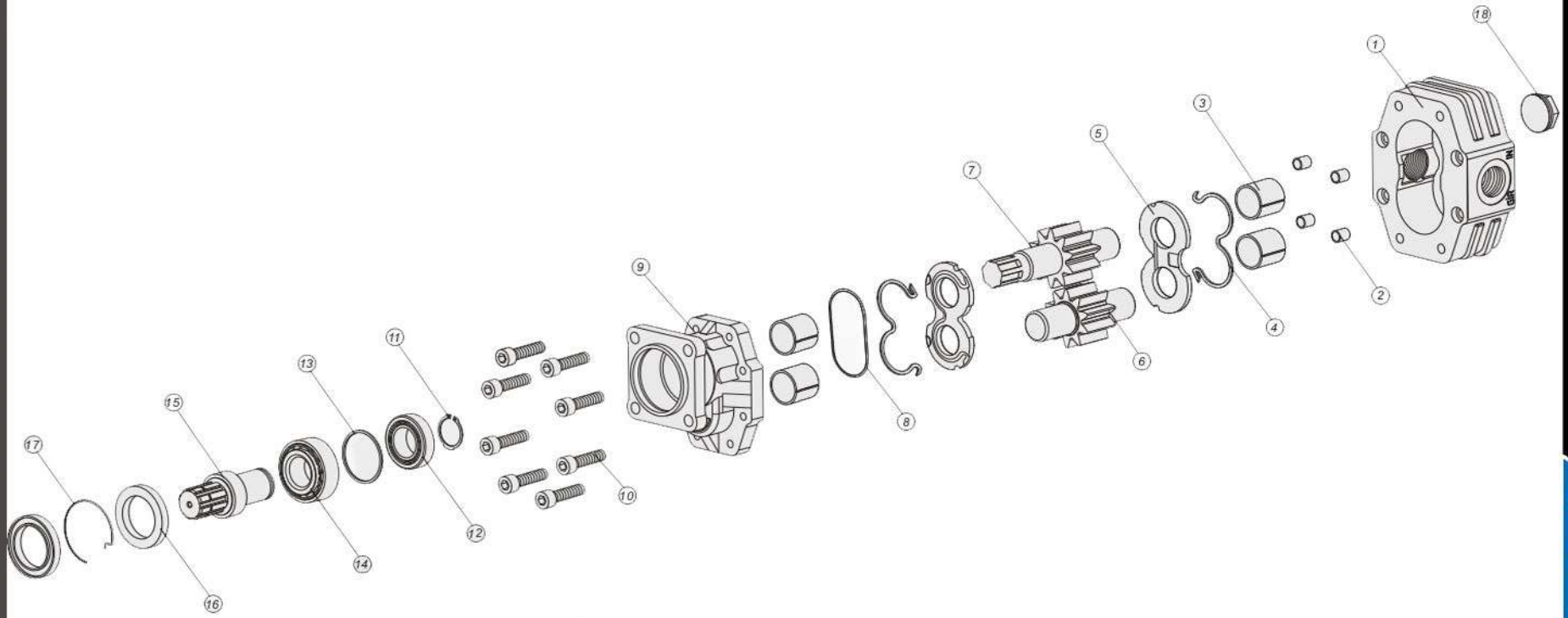


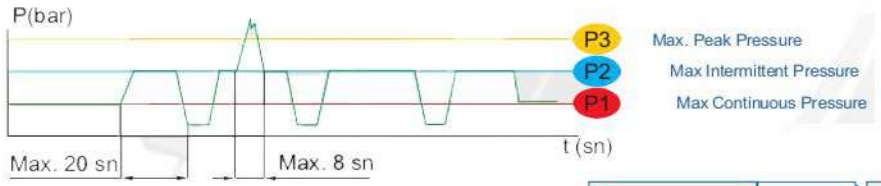


GENERAL DATA

Pump Codes	ISO PDTD300430131/32	T2 PDTD300340123	UNI PDTD300340111/12
Pump Type	30-43	30-43	30-43
Min. Hose Dia.	26	26	26
Weight(kg)	12	10,5	10
Oil Inlet	R 1"	R 1"	R 1"
Oil Outlet	R 3/4"	R 3/4"	R 3/4"
Fluid	Mineral based hydraulic oil		

PRODUCT ASSEMBLY and PART LIST





Ideal oil temp.	50° / 60°C	Maximum temp.	0° / 80°C

GENERAL DATA

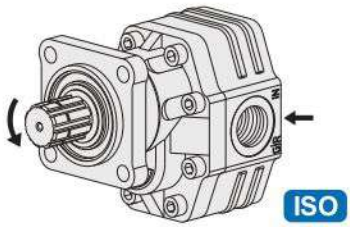
Pump Type	Displecement	Max. Continuous Speed	Min. Intermitt. Speed	Max. Intermitt. Speed	Max. Continuous Pressure	Max. Intermitt. Pressure	Max. Peak Pressure	Weight
	lt/dk(gpm)	n(min^{-1})	n(min^{-1})	n(min^{-1})	bar (psi)	bar (psi)	bar (psi)	kg(lb) Pound
30-51	51,40/11,30	2000	300	3500	240/3481	265/3843	380/5511	12,50/33,50

51 cc GEAR PUMP

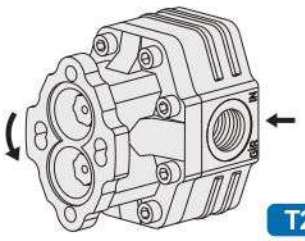
PDTD300510131/32

PDTD300510123

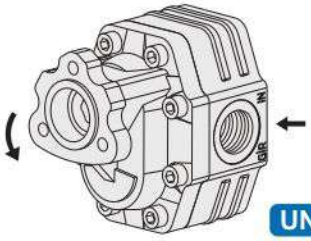
PDTD300510111/12



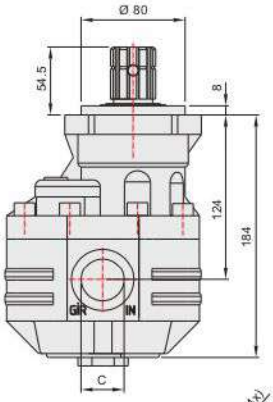
ISO

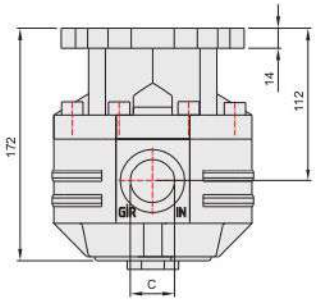


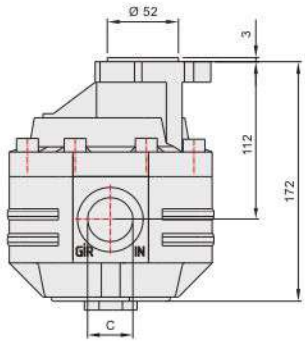
T2

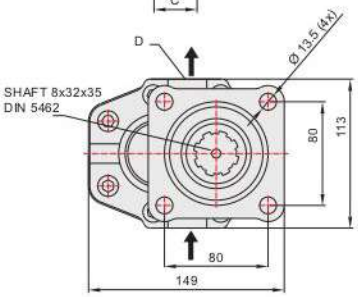


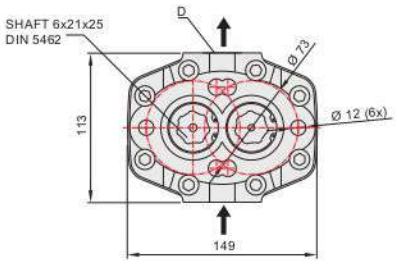
UNI

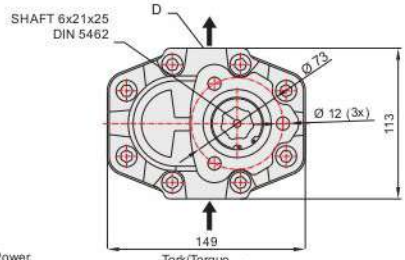


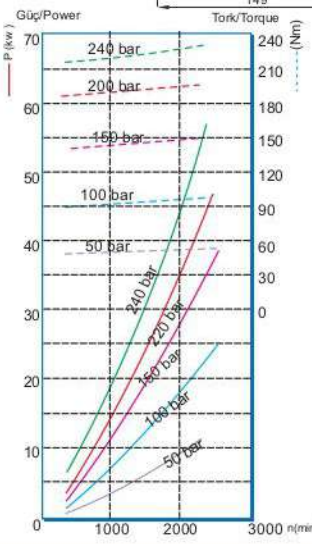












GENERAL DATA

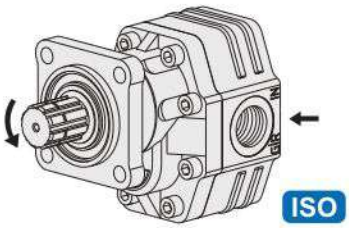
Pompa Kodu Pump Codes	ISO PDTD300510131/32	T2 PDTD300510123	UNI PDTD300510111/12
Pump Type	30-51	30-51	30-51
Min. Hose Dia.	26	26	26
Weight(kg)	12,5	11	10,5
Oil Inlet	R 1"	R 1"	R 1"
Oil Outlet	R 1"	R 1"	R 1"
Fluid	Mineral based hydraulic oil		

61 cc GEAR PUMP

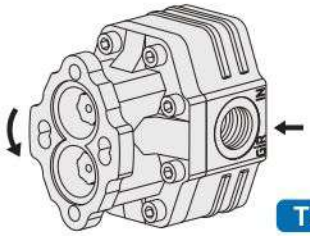
PDTD300610131/32

PDTD300610123

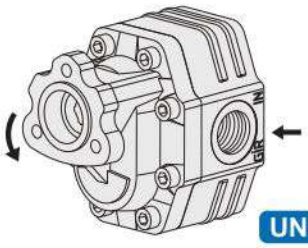
PDTD300610131/12



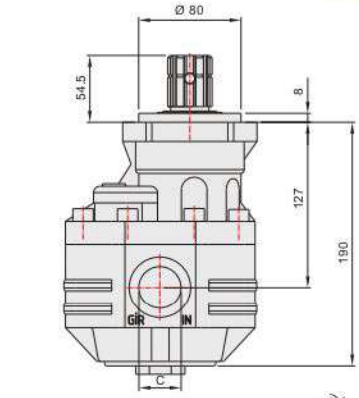
ISO

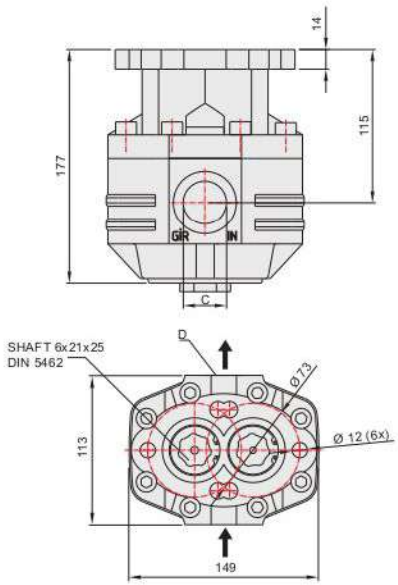


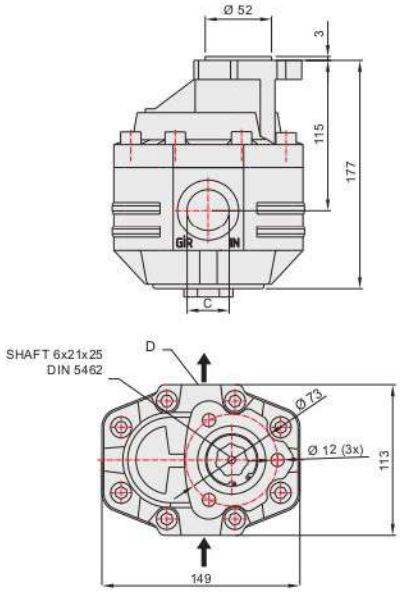
T2

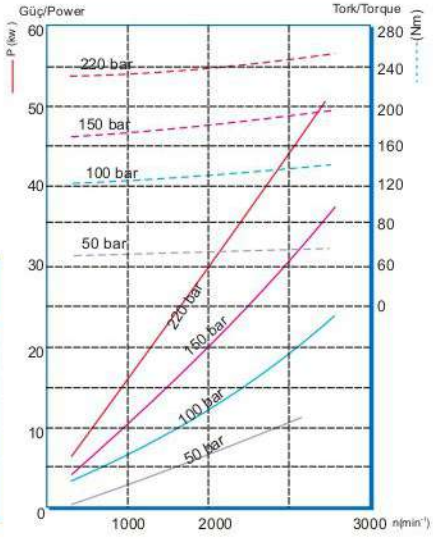


UNI









GENERAL DATA

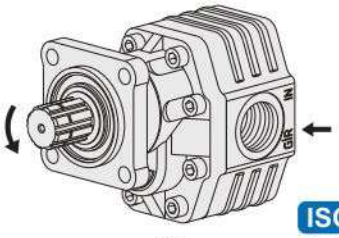
Pompa Kodu Pump Codes	ISO PDTD300610131/32	T2 PDTD300610123	UNI PDTD300610111/12
Pump Type	30-61	30-61	30-61
Min. Hose Dia.	26	26	26
Weight(kg)	13	11,3	11
Oil Inlet	R 1"	R 1"	R 1"
Oil Outlet	R 1"	R 1"	R 1"
Fluid	Mineral based hydraulic oil		

82 cc GEAR PUMP

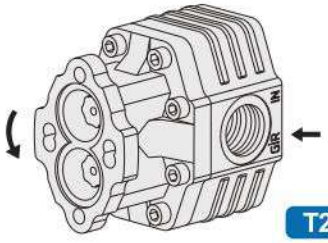
PDTD300820131/32

PDTD300820123

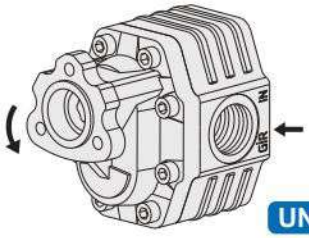
PDTD300820111/12



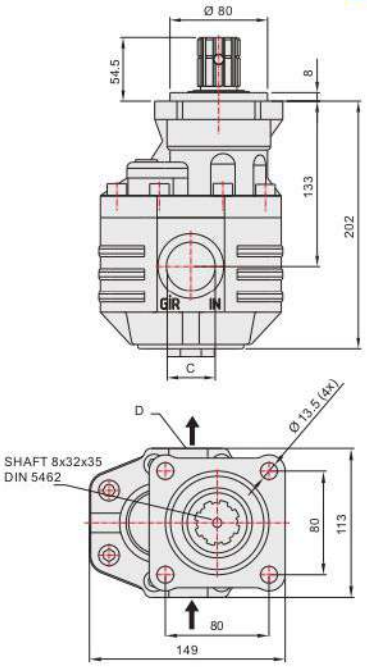
ISO

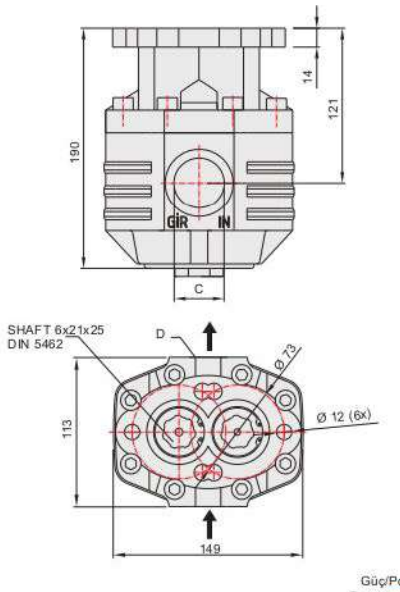


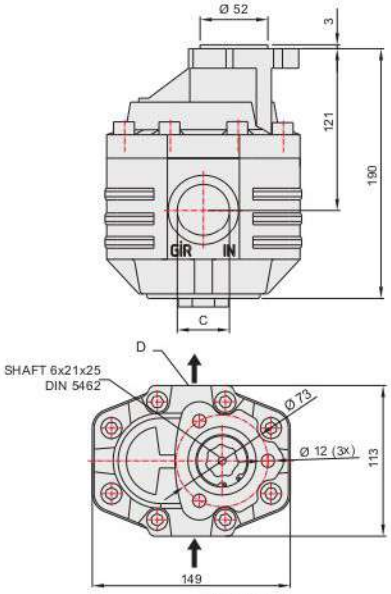
T2

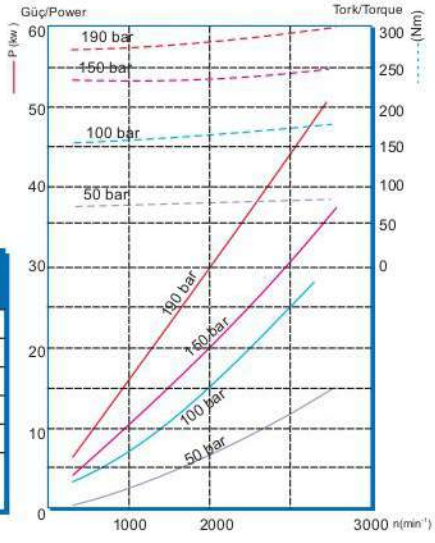


UNI







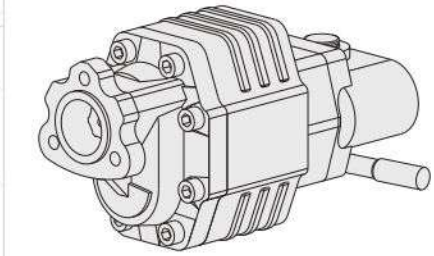


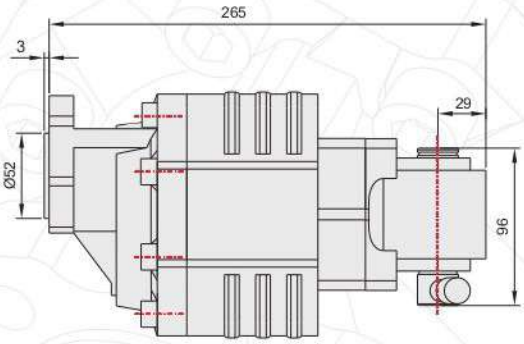
GENERAL DATA

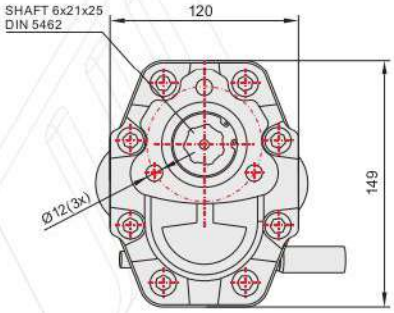
Pompa Kodu Pump Codes	ISO PDTD300820131/32	T2 PDTD300820123	UNI PDTD300820111/12
Pump Type	30-82	30-82	30-82
Min. Hose Dia.	33	33	33
Weight(kg)	13,8	12	11,6
Oil Inlet	R 1 1/4"	R 1 1/4"	R 1 1/4"
Oil Outlet	R 1"	R 1"	R 1"
Fluid	Mineral based hydraulic oil		

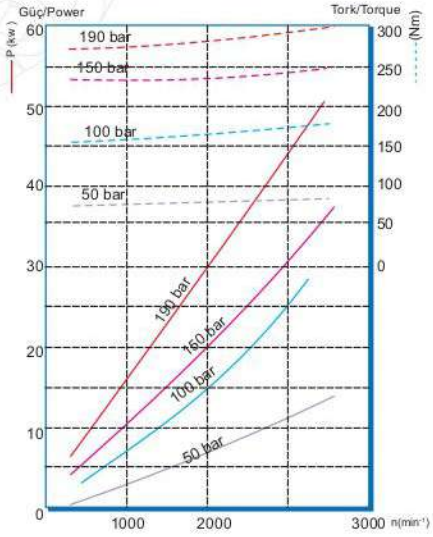
82 cc DPMA

PDCDV300821011-12







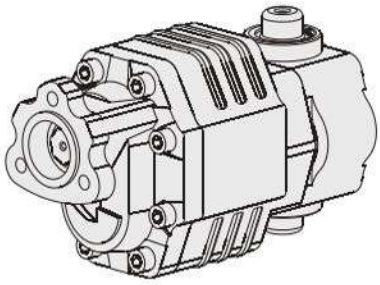


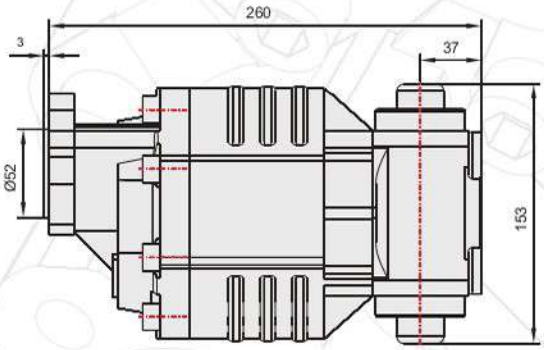
GENERAL DATA

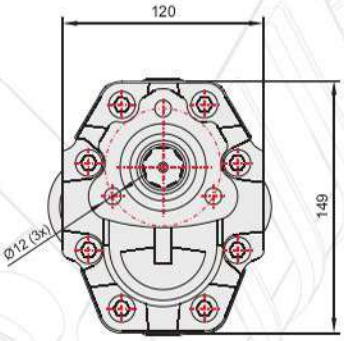
Pompa Kodu Pump Codes	ISO PDCDV300821011-12
Pump Type	30-82
Min. Hose Dia.	33
Weight(kg)	16,5
Oil Inlet	R 1 1/4"
Oil Outlet	R 1"
Fluid	Mineral based hydraulic oil

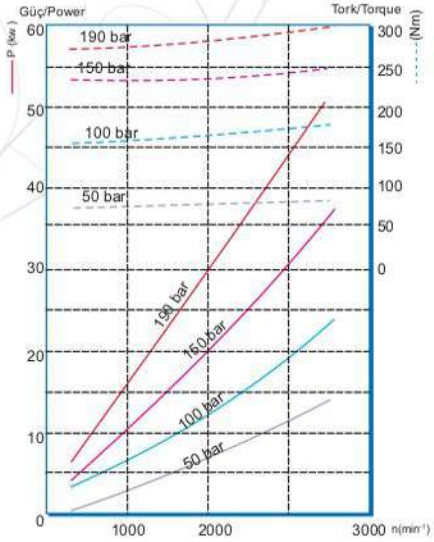
82 cc DPV

PDCDV300822011-12









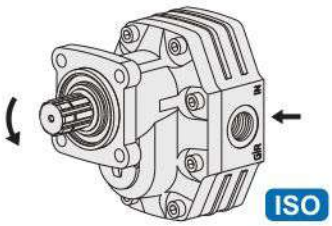
GENERAL DATA

Pompa Kodu Pump Codes	ISO PDCDV300822011-12
Pump Type	30-82
Min. Hose Dia.	33
Weight(kg)	16,2
Oil Inlet	R 1 1/4"
Oil Outlet	R 1"
Fluid	Mineral based hydraulic oil

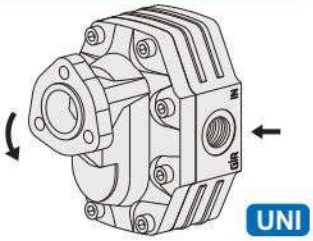
63 cc GEAR PUMP

PDTD400630131/32

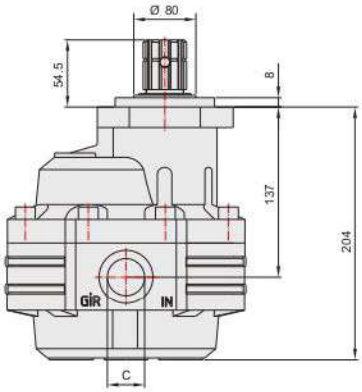
PDTD400630111/12

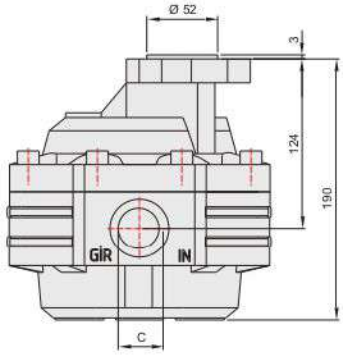


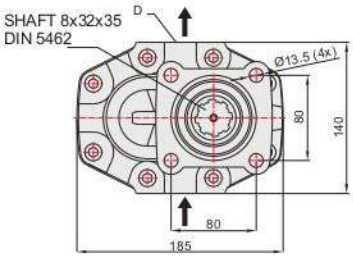
ISO

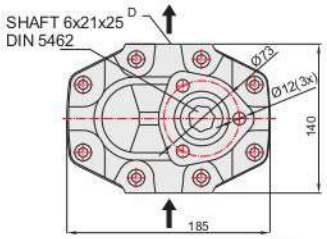


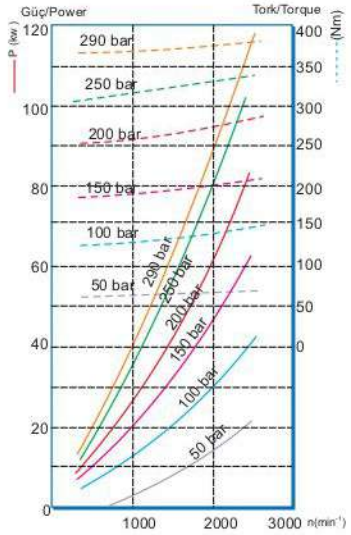
UNI











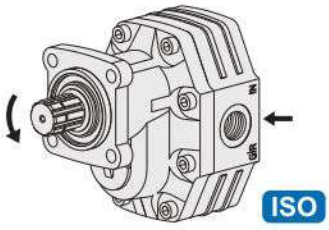
GENERAL DATA

Pump Codes	ISO PDTD400630131/32	UNI PDTD400630111/12
Pump Type	40-63	40-63
Min. Hose Dia.	26	26
Weight(kg)	12	11,6
Oil Inlet	R 1"	R 1"
Oil Outlet	R 3/4"	R 3/4"
Fluid	Mineral based hydraulic oil	

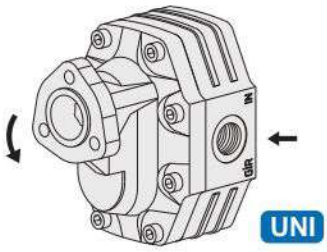
73 cc GEAR PUMP

PDTD400730131/32

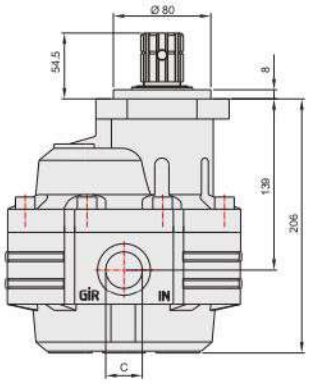
PDTD400730111/12

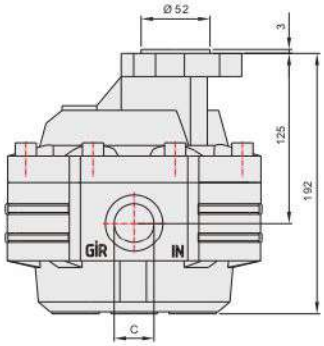


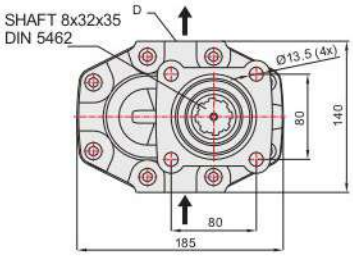
ISO

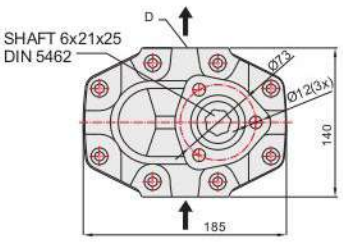


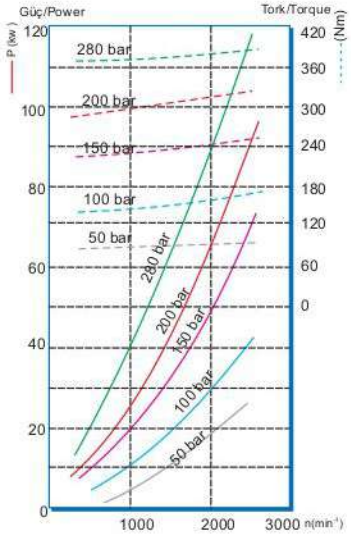
UNI











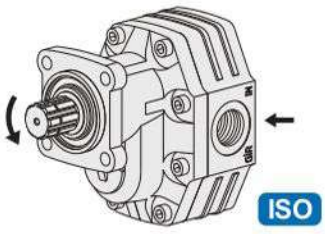
GENERAL DATA

Pump Codes	ISO PDTD400730131/32	UNI PDTD400730131/12
Pump Type	40-73	40-73
Min. Hose Dia.	26	26
Weight(kg)	16,8	16,5
Oil Inlet	R 1"	R 1"
Oil Outlet	R 3/4"	R 3/4"
Fluid	Mineral based hydraulic oil	

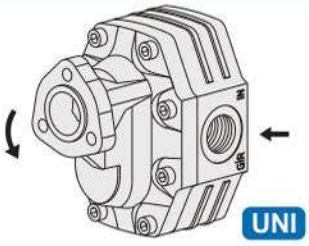
87 cc GEAR PUMP

PDTD400870131/32

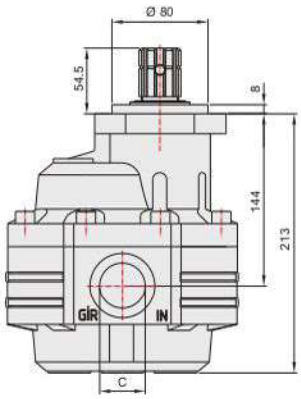
PDTD400870111/12

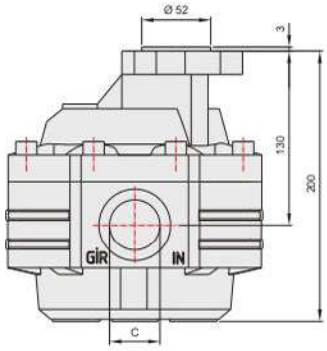


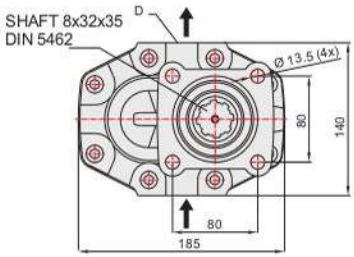
ISO

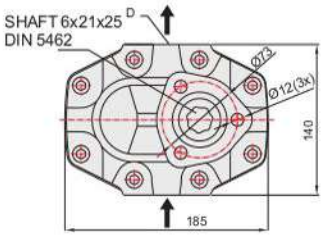


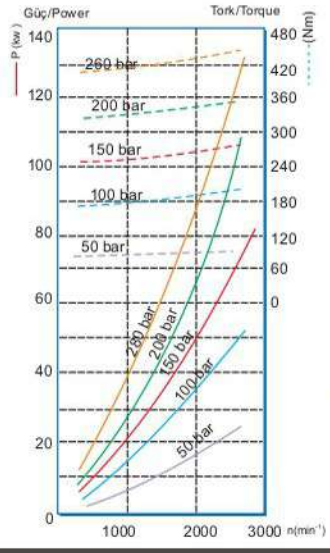
UNI











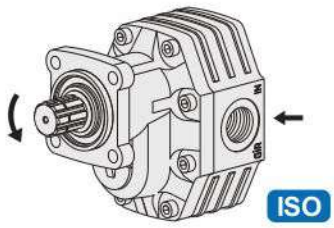
GENERAL DATA

Pump Codes	ISO PDTD400870131/32	UNI PDTD400870111/12
Pump Type	40-87	40-87
Min. Hose Dia.	33	33
Weight(kg)	17,3	17
Oil Inlet	R 1 1/4"	R 1 1/4"
Oil Outlet	R 1"	R 1"
Fluid	Mineral based hydraulic oil	

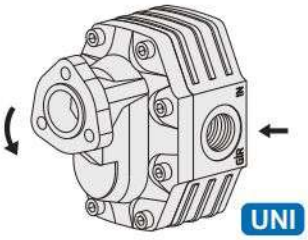
109 cc GEAR PUMP

PDTD401090131/32

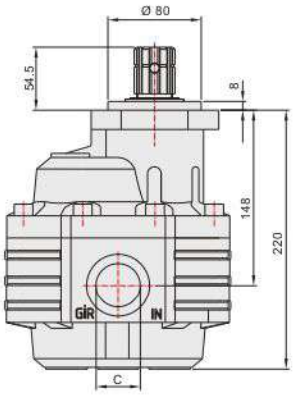
PDTD401090111/12

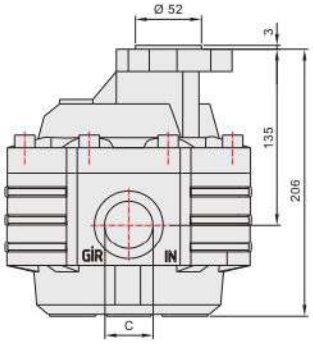


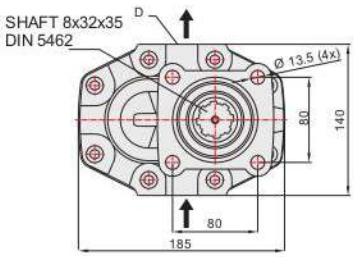
ISO

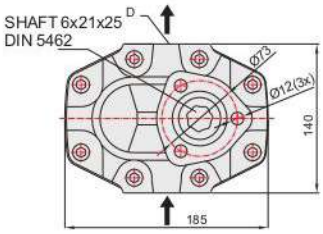


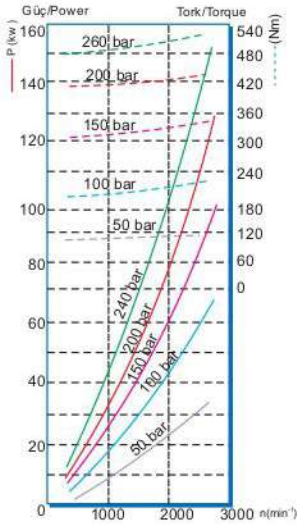
UNI











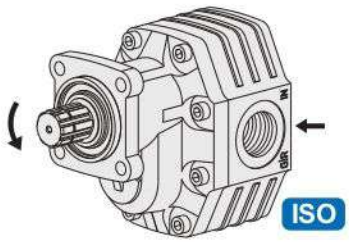
GENERAL DATA

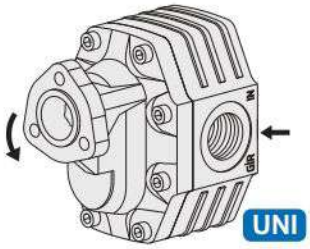
Pump Codes	ISO PDTD401090131/32	UNI PDTD401090111/12
Pump Type	40-109	40-109
Min. Hose Dia.	33	33
Weight(kg)	18,5	18
Oil Inlet	R 1 1/4"	R 1 1/4"
Oil Outlet	R 1"	R 1"
Fluid	Mineral based hydraulic oil	

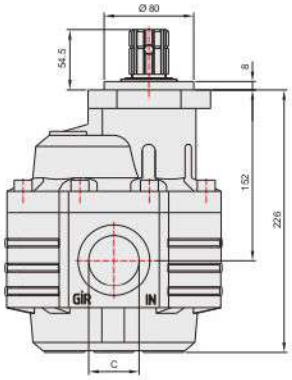
133 cc GEAR PUMP

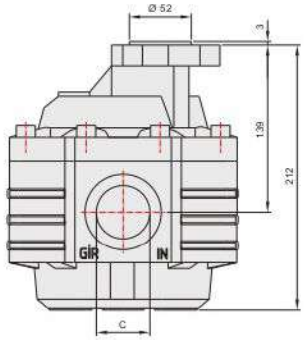
PDTD401330131/32

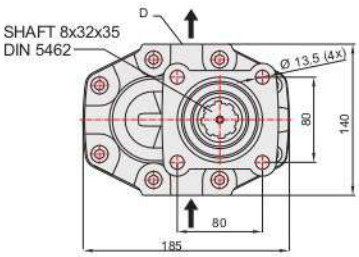
PDTD401330111/12

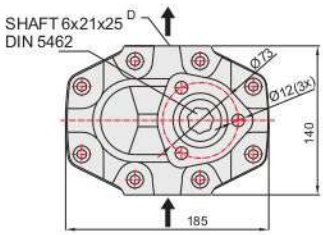






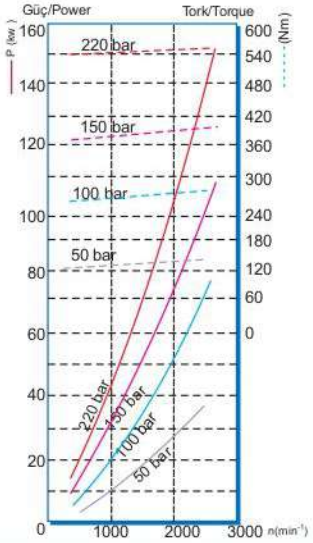






GENERAL DATA

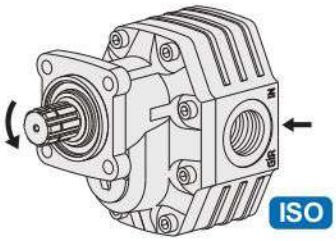
Pump Codes	ISO PDTD401330131/32	UNI PDTD401330131/12
Pump Type	40-133	40-133
Min. Hose Dia.	38	38
Weight(kg)	19,8	19,5
Oil Inlet	R 1 1/2"	R 1 1/2"
Oil Outlet	R 1"	R 1"
Fluid	Mineral based hydraulic oil	

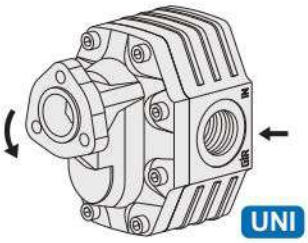


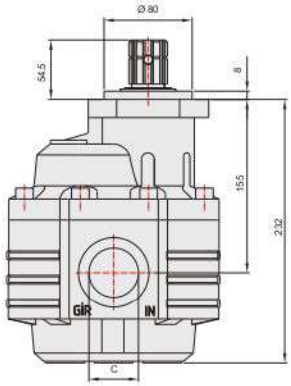
151 cc GEAR PUMP

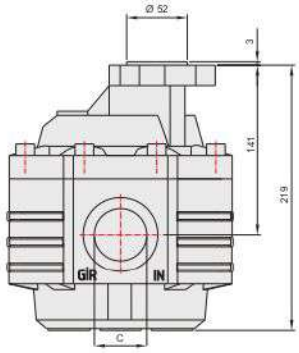
PDTD401510131/32

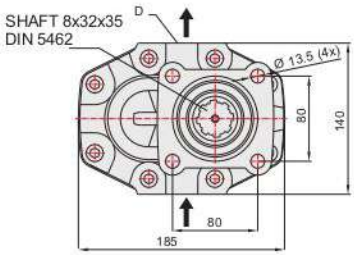
PDTD401510111/12

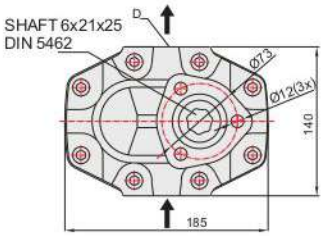


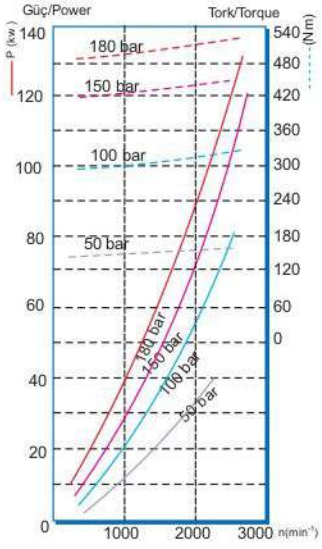










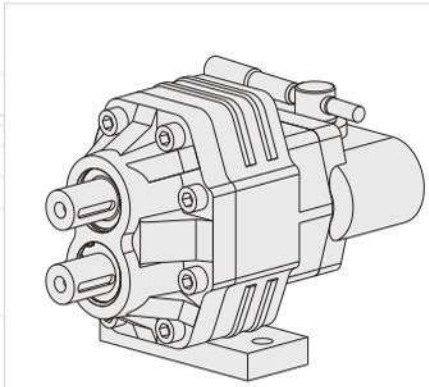


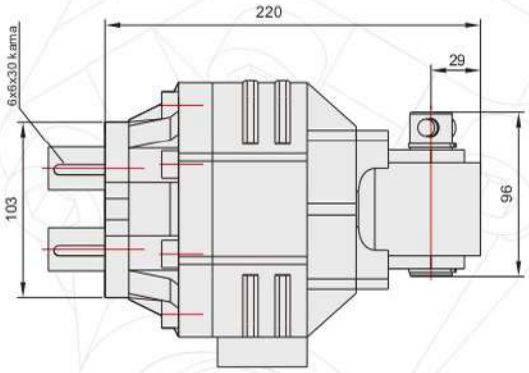
GENERAL DATA

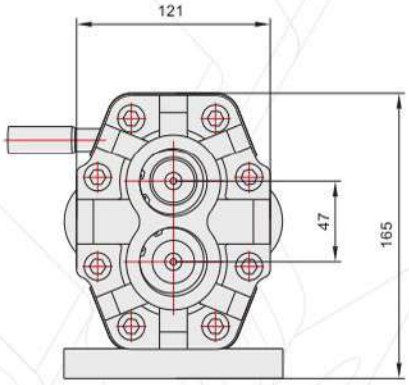
Pump Codes	ISO PDTD401510131/32	UNI PDTD401510131/12
Pump Type	40-151	40-151
Min. Hose Dia.	38	38
Weight(kg)	20,3	20
Oil Inlet	R 1 1/2"	R 1 1/2"
Oil Outlet	R 1"	R 1"
Fluid	Mineral based hydraulic oil	

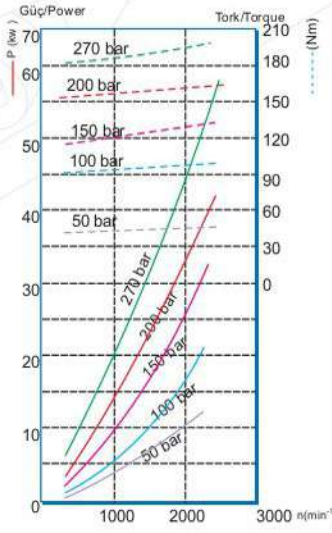
43 cc GEAR PUMP WITH SHAFT

PDCDV300431343







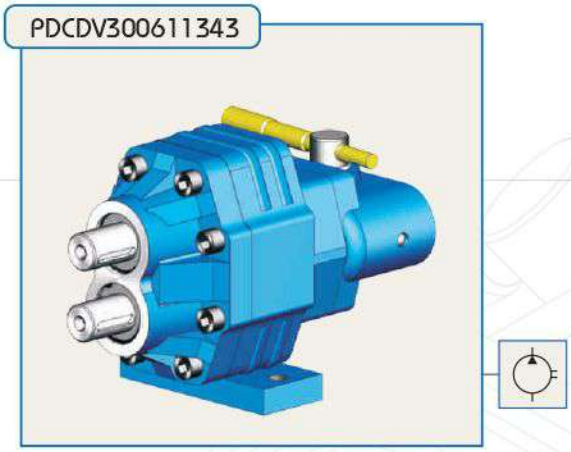


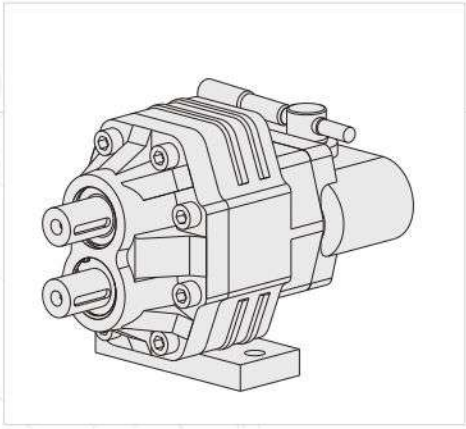
GENERAL DATA

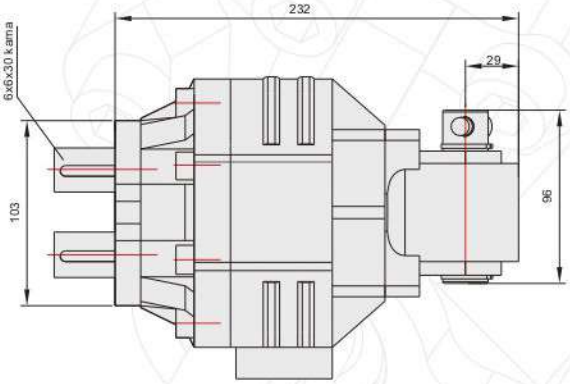
Pump Codes	ISO PDCDV300431343
Pump Type	30-43
Min. Hose Dia.	26
Weight(kg)	15,35
Oil Inlet	R 1 1/4"
Oil Outlet	R 1"
Fluid	Mineral based hydraulic oil

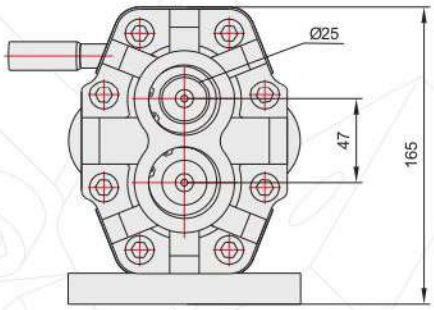
61cc GEAR PUMP WITH SHAFT

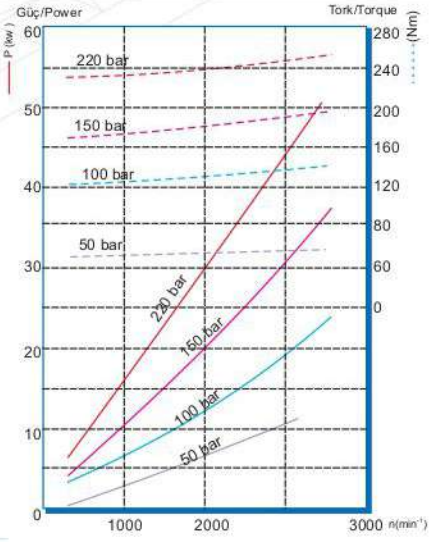
PDCDV300611343









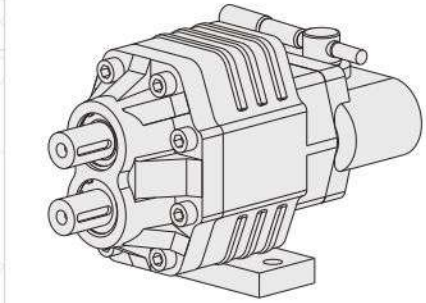


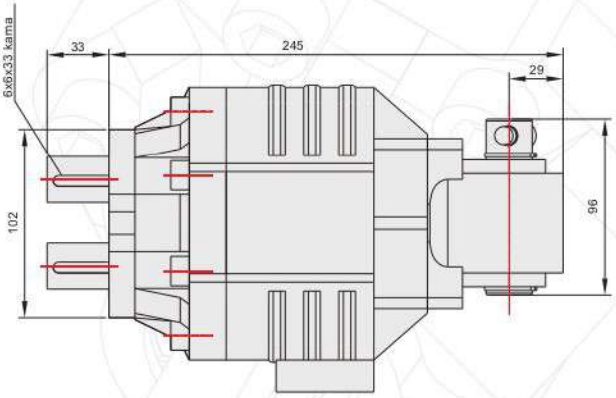
GENERAL DATA

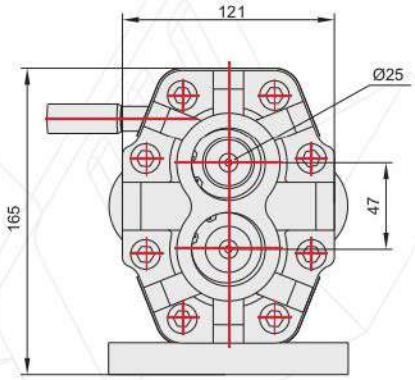
Pump Codes	ISO PDCDV300611343
Pump Type	30-61
Min. Hose Dia.	26
Weight(kg)	16,25
Oil Inlet	R 1 1/4"
Oil Outlet	R 1"
Fluid	Mineral Bazlı Hidrolik Yağ Mineral based hydraulic oil

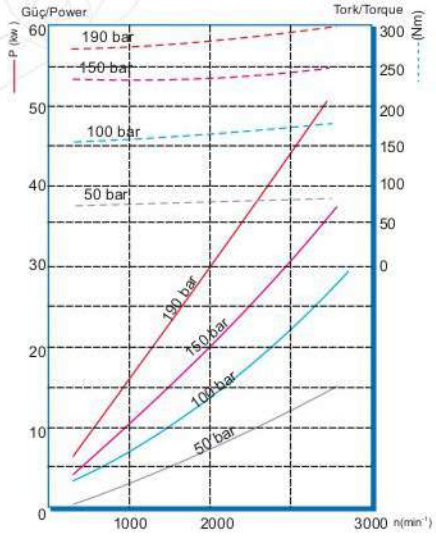
82 cc GEAR PUMP WITH SHAFT

PDCDV300821343







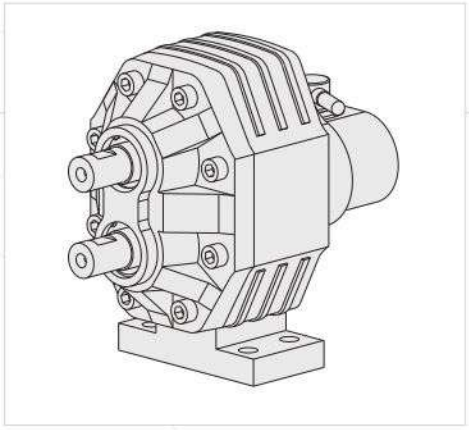


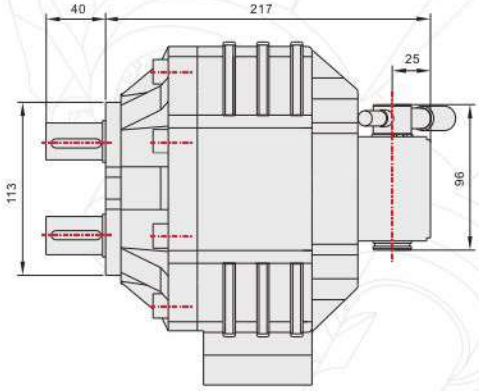
GENERAL DATA

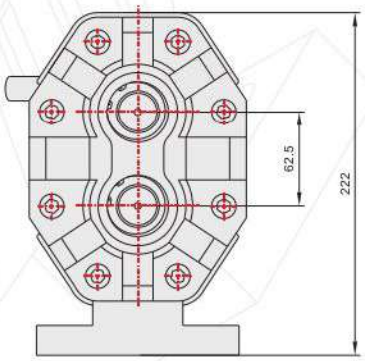
Pump Codes	ISO PDCDV300821343
Pump Type	30-82
Min. Hose Dia.	33
Weight(kg)	17,2
Oil Inlet	R 1 1/4"
Oil Outlet	R 1"
Fluid	Mineral based hydraulic oil

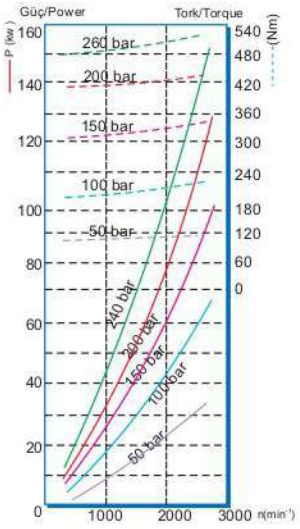
109 cc GEAR PUMP WITH SHAFT

PDCDV401091343







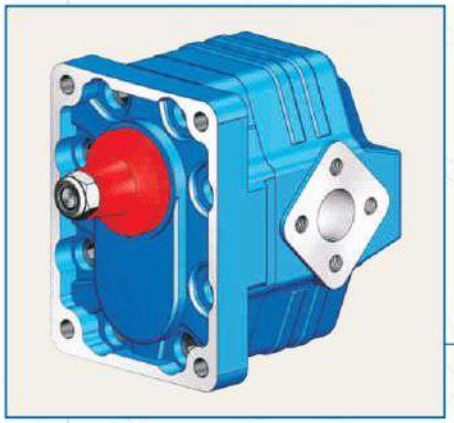


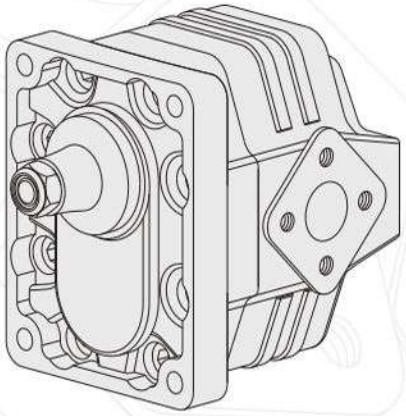
GENERAL DATA

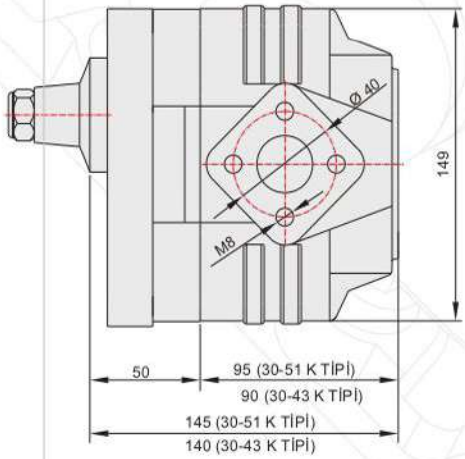
Pump Codes	ISO PDCDV401091343
Pump Type	40-109
Min. Hose Dia.	33
Weight(kg)	23,95
Oil Inlet	R 1 1/4"
Oil Outlet	R 1"
Fluid	Mineral based hydraulic oil

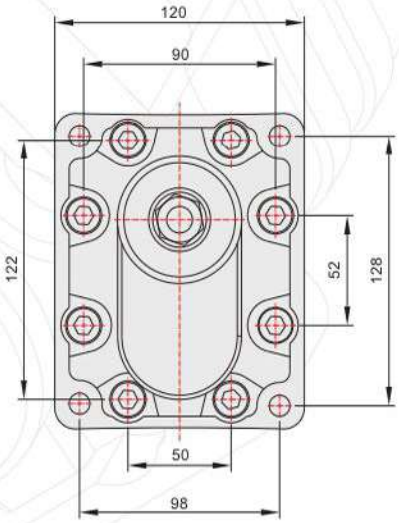
K SERIES GEAR PUMPS

PDTDK300430451 / PDTDK300430452
PDTDK300510451 / PDTDK300510452







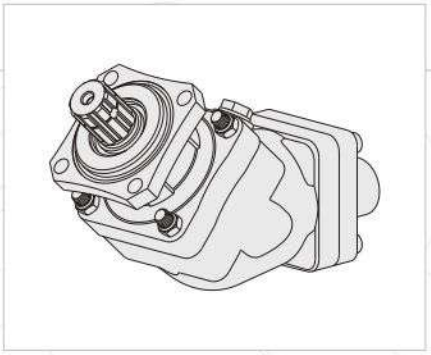


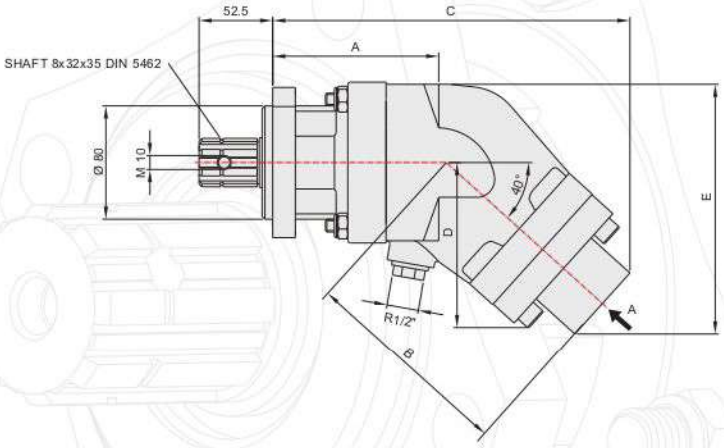
GENERAL DATA

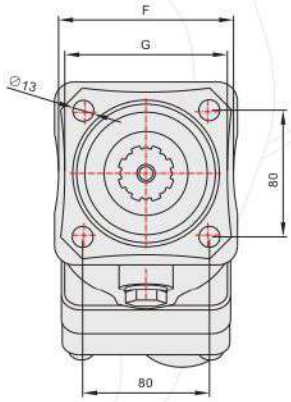
Pump Codes	30-43K PDTDK300430451	30-51K PDTDK300510451
Pump Type	30-43K	30-51K
Min. Hose Dia.	26	26
Weight(kg)	11,5	12,5
Oil Inlet	Ø 17	Ø 17
Oil Outlet	Ø 19	Ø 19
Fluid	Mineral based hydraulic oil	

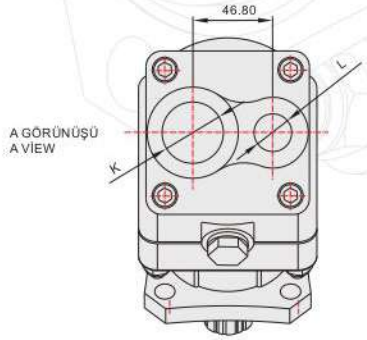
35cc BENT AXIS PISTON PUMP

PEX752035131 / PEX752035132







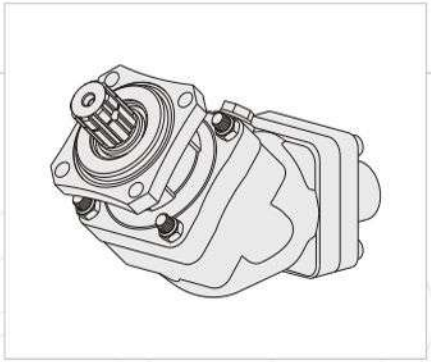


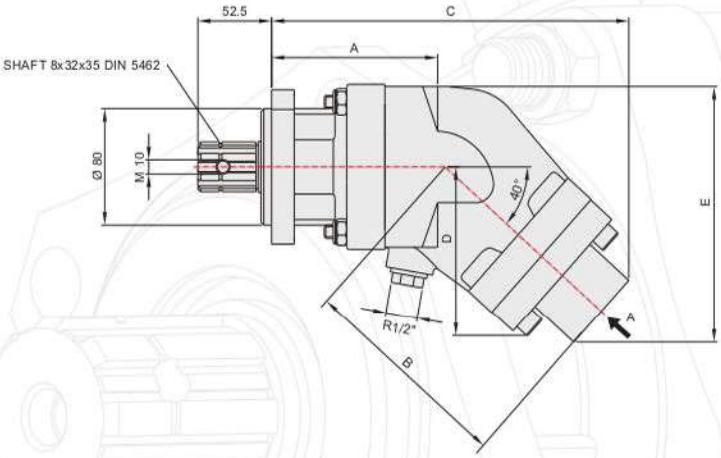
GENERAL DATA

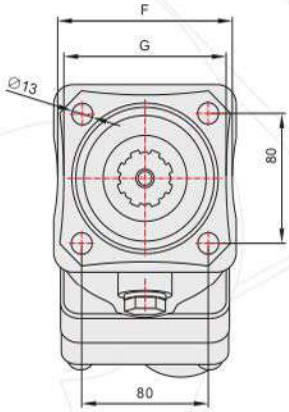
Pump Codes	PEX752035131	PEX752035132
Pump Type	35 lt	35 lt
A mm	114	114
B mm	139	139
C mm	237	237
D mm	107	107
E mm	164	164
F mm	102	102
G mm	99	99
Oil Inlet)	R1 1/4"	R1 1/4"
Oil Outlet)	R 3/4"	R 3/4"
Fluid	Mineral bazlı hidrolik yağ Mineral based hydraulic oil	

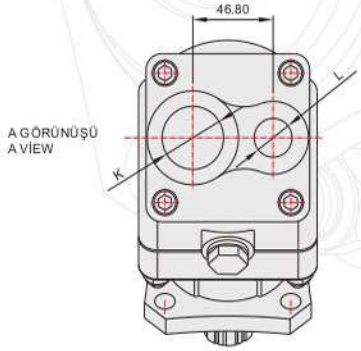
45cc BENT AXIS PISTON PUMP

35204531 / 35204532







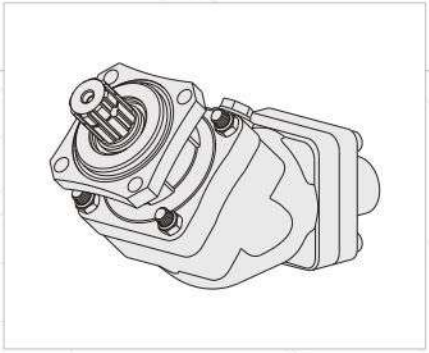


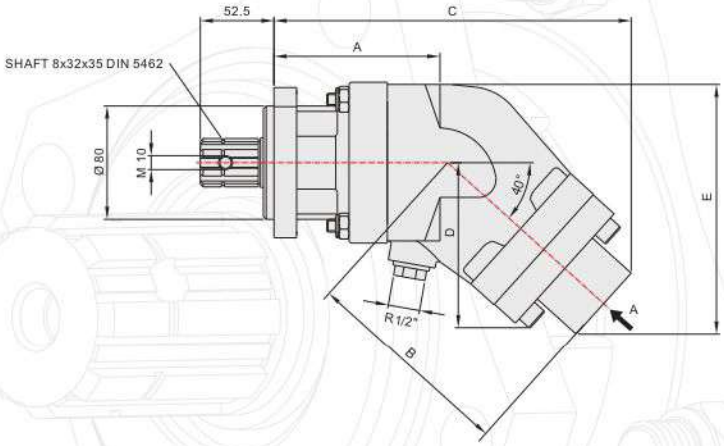
GENERAL DATA

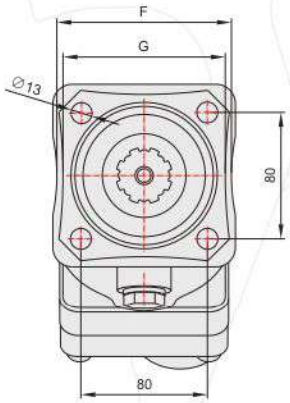
Pump Codes	35204531	35204532
Pump Type	45 lt	45 lt
A mm	114	114
B mm	139	139
C mm	237	237
D mm	107	107
E mm	164	164
F mm	102	102
G mm	99	99
Oil Inlet)	R1 1/4"	R1 1/4"
Oil Outlet) tlet)	R 3/4"	R 3/4"
Fluid	Mineral bazlı hidrolik yağ Mineral based hydraulic oil	

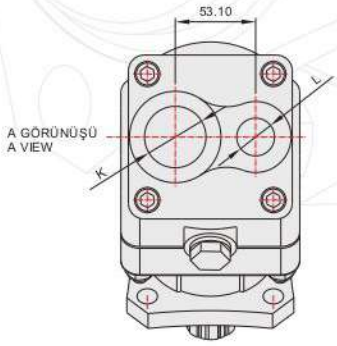
65cc BENT AXIS PISTON PUMP

35206531 / 35206532







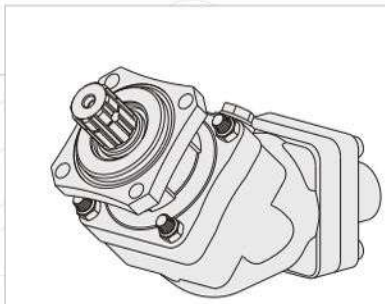


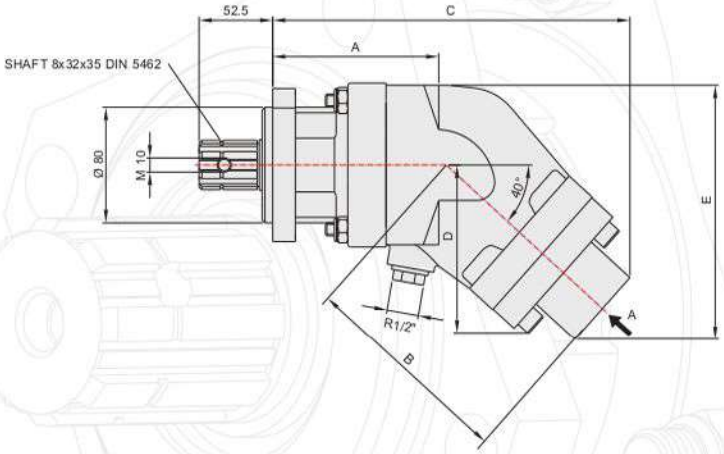
GENERAL DATA

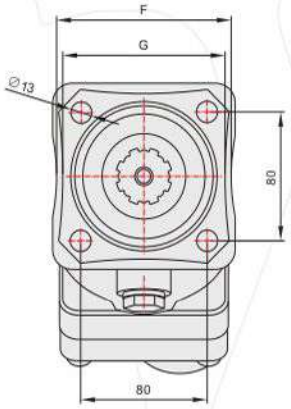
Pump Codes	35206531	35206532
Pump Type	65 lt	65 lt
A mm	115	115
B mm	152	152
C mm	253	253
D mm	118	118
E mm	164	164
F mm	108	108
G mm	100	100
Oil Inlet)	R1 1/4"	R1 1/4"
Oil Outlet)utlet)	R 3/4"	R 3/4"
Fluid	Mineral based hydraulic oil	

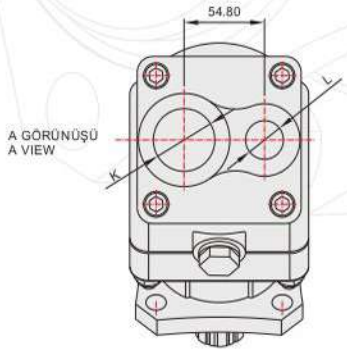
85cc BENT AXIS PISTON PUMP

35208531 / 35208532







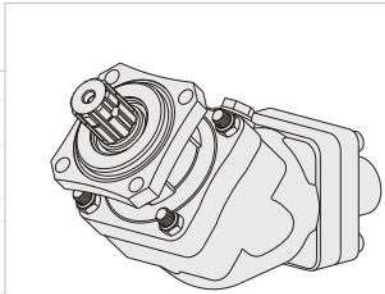


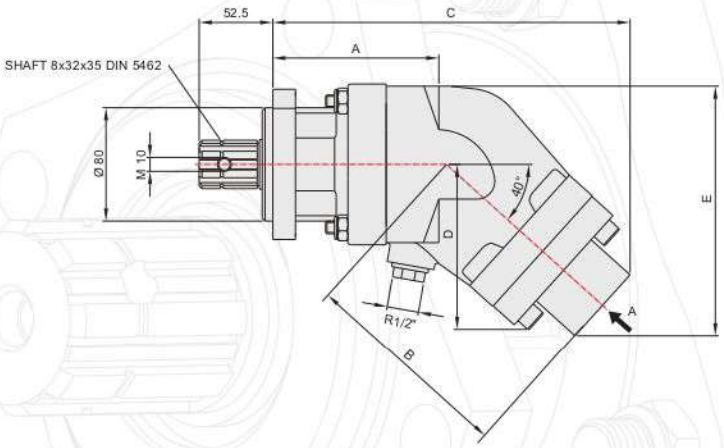
GENERAL DATA

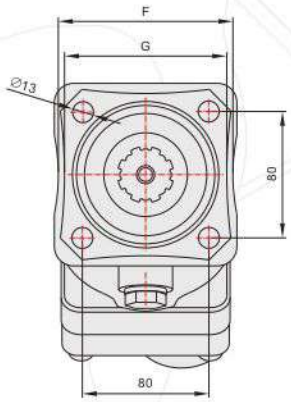
Pump Codes	35208531	35208532
Pump Type	85 lt	85 lt
A mm	128	128
B mm	164	164
C mm	297	297
D mm	131	131
E mm	194	194
F mm	117	117
G mm	100	100
Oil Inlet)	R1 1/2"	R1 1/2"
Oil Outlet)utlet)	R 1"	R 1"
Fluid	Mineral based hydraulic oil	

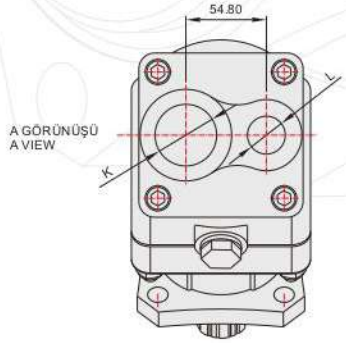
105cc BENT AXIS PISTON PUMP

35210531 / 35210532





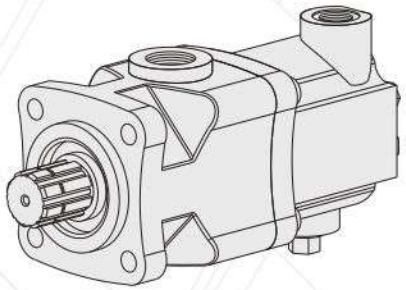


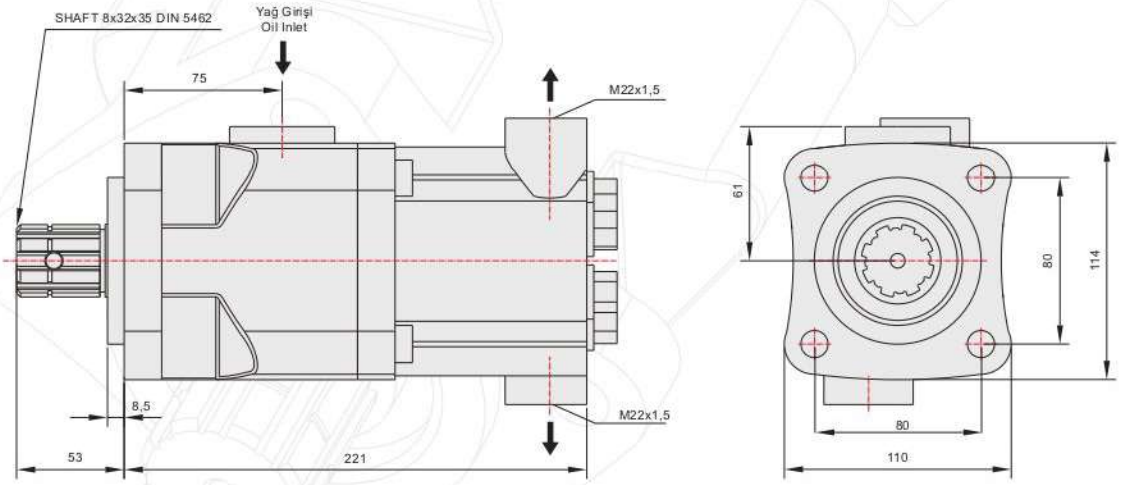


GENERAL DATA

Pump Codes	Saat Yönü CW 35210531	Saat Ters Yönü CCW 35210532
Pump Type	105 lt	105 lt
A mm	128	128
B mm	164	164
C mm	297	297
D mm	131	131
E mm	194	194
F mm	117	117
G mm	100	100
Oil Inlet)	R1 1/2"	R1 1/2"
Oil Outlet))utlet)	R 1"	R 1"
Fluid	Mineral based hydraulic oil	

35103523 / 35104523
35113523 / 35114523

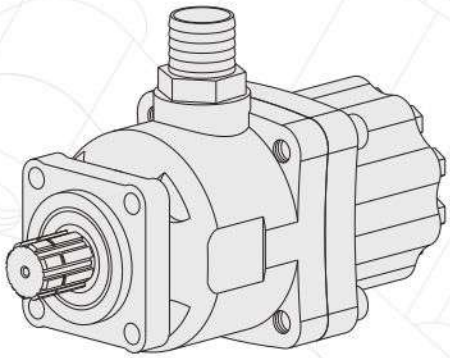


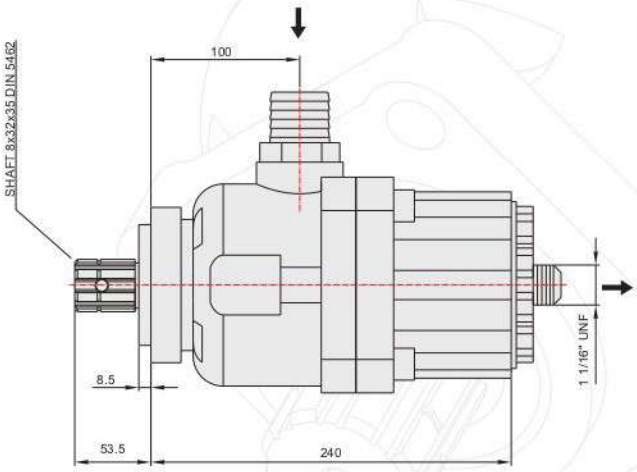


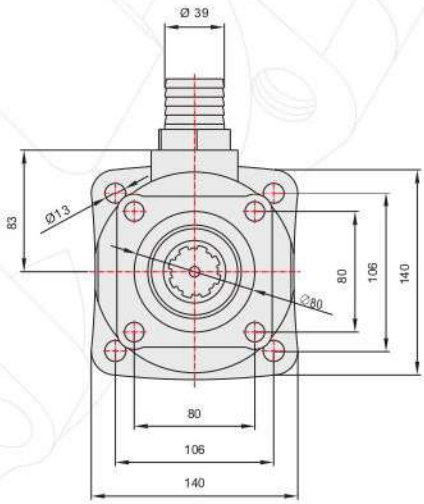
GENERAL DATA

Pump Codes	35-A 35103523	35-B 35113523	45-A 35104523	45-B 35114523
Pump Type	35-A	35-B	45-A	45-B
Min. Hose Dia.	26	26	26	26
Weight(kg)	14	14	14	14
Oil Inlet	R 1"	R 1"	R 1"	R 1"
Oil Outlet	M22x1,5	M22x1,5	M22x1,5	M22x1,5
Fluid	Mineral based hydraulic oil			

35006023 / 35016023
35008023 / 35018023





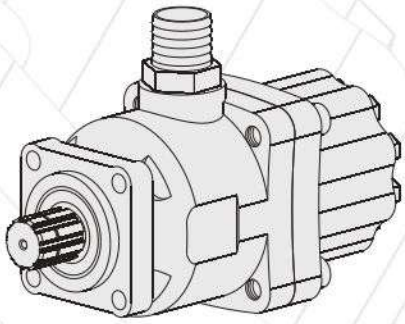


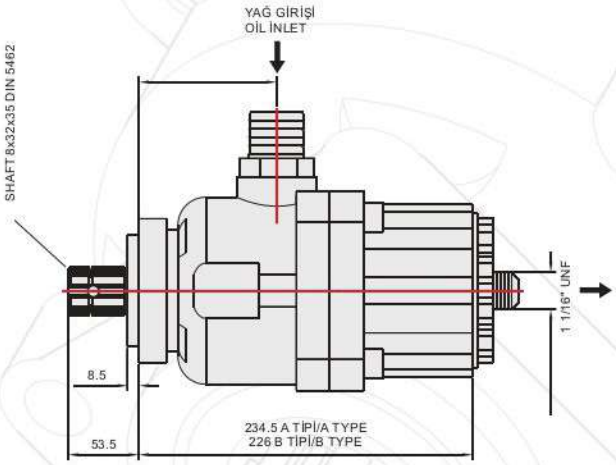
GENERAL DATA

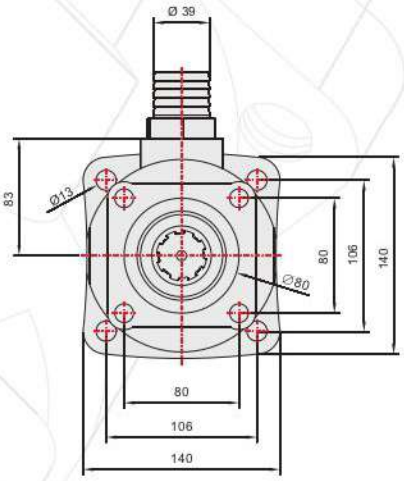
Pump Codes	60-A 35006023	60-B 35016023	80-A 35008023	80-B 35018023
Pump Type	60-A	60-B	80-A	80-B
Min. Hose Dia.	26	26	33	33
Weight(kg)	18	18	18	18
Oil Inlet	R 1 1/4"	R 1 1/4"	R 1 1/4"	R 1 1/4"
Oil Outlet	R 3/4"	R 3/4"	R 3/4"	R 3/4"
Fluid	Mineral based hydraulic oil			

10 PISTON COUPLED PUMPS

35508523 / 35510023





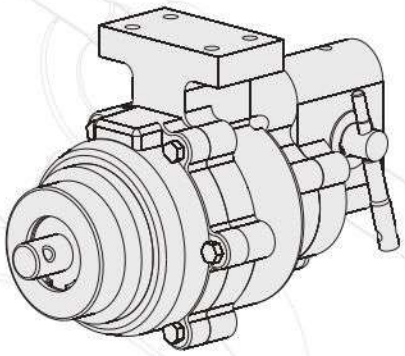


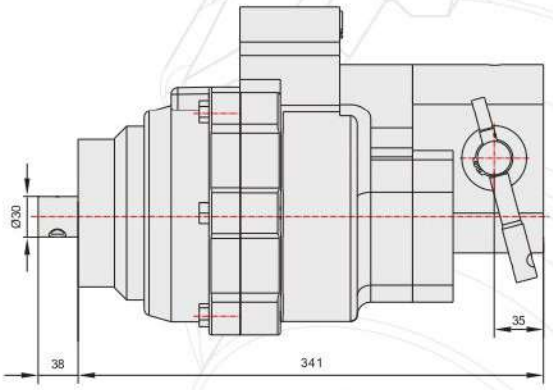
GENERAL DATA

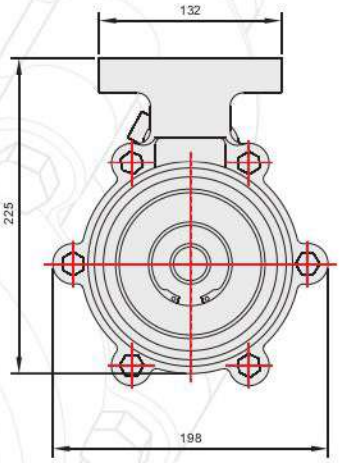
Pump Codes	85 35508523	100 35510023
Pump Type	85	100
Min. Hose Dia.	33	33
Weight(kg)	23,5	23,5
Oil Inlet	R 1 1/4"	R 1 1/4"
Oil Outlet	R 3/4"	R 3/4"
Fluid	Mineral based hydraulic oil	

10 PISTON MECHANIC PUMP

35610023





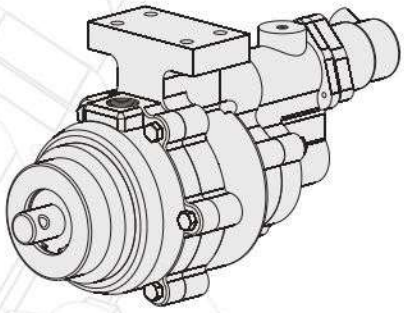


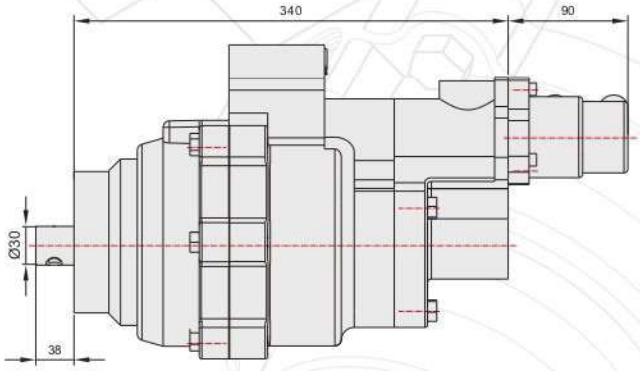
GENERAL DATA

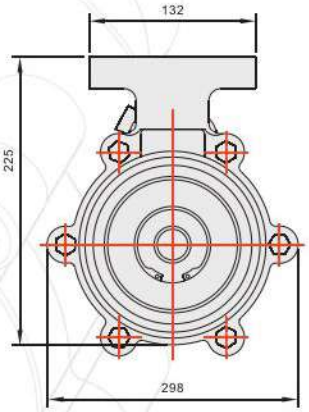
Pump Codes	100 35610023
Pump Type	100
Min. Hose Dia.	33
Weight(kg)	32,5
Oil Inlet	R 1 1/4"
Oil Outlet	R 3/4"
Fluid	Mineral based hydraulic oil

10 PISTON PNEUMATIC PUMP

35710023







GENERAL DATA

Pump Codes	100 35710023
Pump Type	100
Min. Hose Dia.	33
Weight(kg)	34
Oil Inlet	R 1 1/4"
Oil Outlet	R 3/4"
Fluid	Mineral based hydraulic oil