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PRODUCT CATALOGUE





Blue Ascend Hydraulics is a part of ASC Industry Group and is one of the biggest players in the field with its production facility located in Germany and Turkey with a total of 91.000 m2 area and 40.000 m2 production area.

The production is focused on hydraulic gear pumps, motors and flow dividers. Both aluminium and cast iron body options are available with various shaft and flange combinations. Blue Ascend Hydraulics is serving and supplying its product to various sectors such as mobile, industry and agriculture.

Quality is a must when dealing with these sectors and the pump or motor has to complete its task flawlessly 24/7 even under extreme conditions. In order to serve the hydraulic sector properly, Blue Ascend Hydraulics R&D team has developed a product with a different production mentality that assures a longer lifetime above the standards, higher volumetric and mechanical efficiencies.

**GEAR
PUMPS**

**GEAR FLOW
DIVIDERS**

**GEAR
MOTORS**

**ORBITAL
MOTORS**

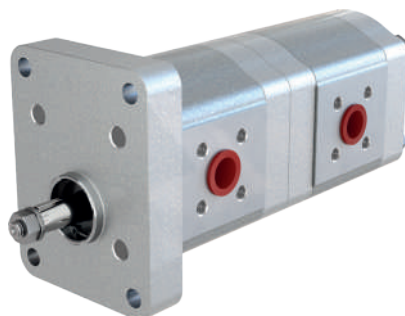
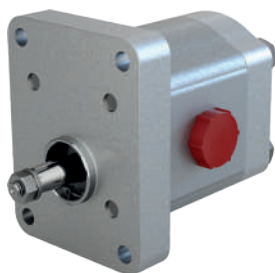
Blue Ascend Hydraulics does all the the production processes in-house such as gear production, body production, heat treatment and production of other parts used in the final product. By doing this they gain complete control over the quality and assures stability.

One of the advantages Blue Ascend Hydraulics has that puts their product in the front line is their short production and delivery times. This is assured by the modern machine parkour and advanced semi-finished product stock management.

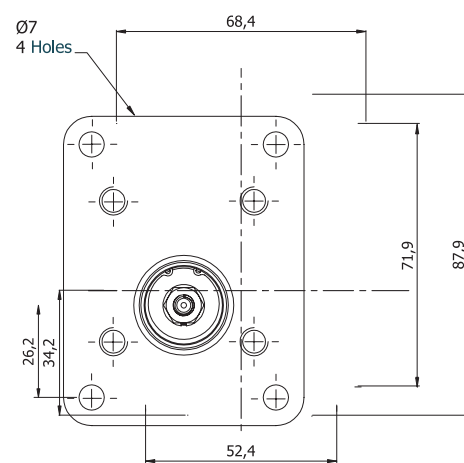
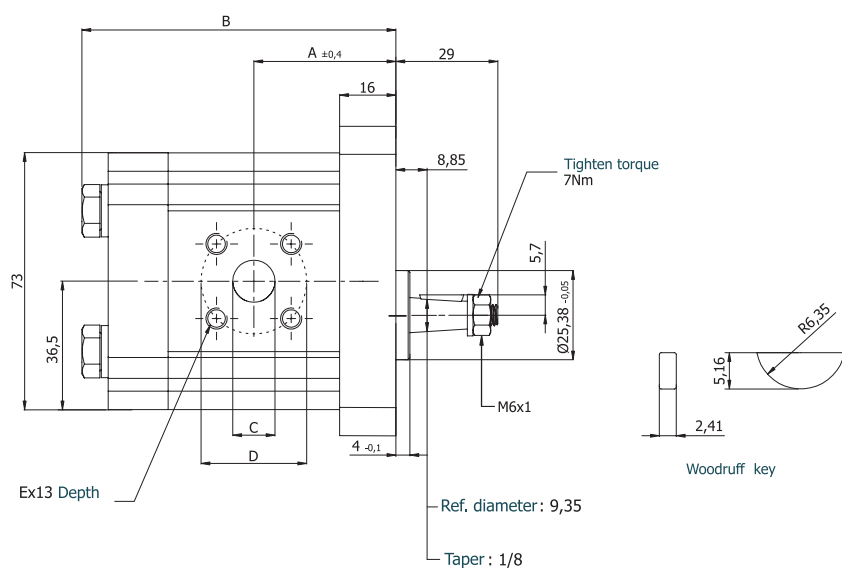
A complete quality control management system is present at Blue Ascend Hydraulics that gives them complete traceability from the first stage such as used raw material, production process, and final test reports.



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Pump Type	Displacement cm³/rev	Max. Pressure (bar)	Max. Speed rpm	A ±0,4	B	Inlet			Outlet								
						C	D	E	c	d	e						
AP10.009.A/CAB01SN	0,9	220	4000	34,9	78,1	12	30	M6	12	30	M6						
AP10.012.A/CAB01SN	1,2			35,5	79,3												
AP10.017.A/CAB01SN	1,7			36,5	81,3												
AP10.023.A/CAB01SN	2,3			37,5	83,3												
AP10.027.A/CAB01SN	2,7			38,5	85,3												
AP10.032.A/CAB01SN	3,2			39,3	86,8												
AP10.038.A/CAB01SN	3,8		3500	40,5	89,3							12	30	M6	12	30	M6
AP10.043.A/CAB01SN	4,3			41,5	91,3												
AP10.050.A/CAB01SN	5,0			43,0	94,3												
AP10.059.A/CAB01SN	5,9			44,8	97,8												
AP10.063.A/CAB01SN	6,3			45,5	99,3												
AP10.078.A/CAB01SN	7,8			48,5	105,3												
AP10.095.A/CAB01SN	9,5			52,0	112,3												



ORDERING CODE OF AP10 PUMPS

Pump Type		Displacement cm ³ /rev		Rotation		Front Cover		Drive Shaft		Inlet and Outlet Ports	
AP10	Aluminium Body Gear Pump	009 = 0,9 cm ³ /rev 012 = 1,2 cm ³ /rev 017 = 1,7 cm ³ /rev 023 = 2,3 cm ³ /rev 027 = 2,7 cm ³ /rev 032 = 3,2 cm ³ /rev 038 = 3,8 cm ³ /rev 043 = 4,3 cm ³ /rev 050 = 5,0 cm ³ /rev 059 = 5,9 cm ³ /rev 063 = 6,3 cm ³ /rev 078 = 7,8 cm ³ /rev 095 = 9,5 cm ³ /rev	A = Counter-clockwise C = Clockwise	A Square flange Ø25,38 mm B 2 Bolts - Centering Ø32 mm C 2 Bolts - Centering with Oring Ø32 mm F 2 Bolts - Centering Ø32 mm L Square flange Ø30 mm N Square flange Ø36,47 mm	A Tapered key shaft 1:5 B Tapered key shaft 1:8 E Tang Drive Shaft H Parallel shaft	01 Rectangular 03 ISO 6149 thread 05 Pipe thread					

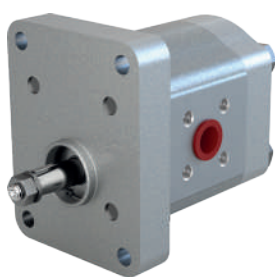
Section
Single
Tandem

Seal
N NBR
V Viton

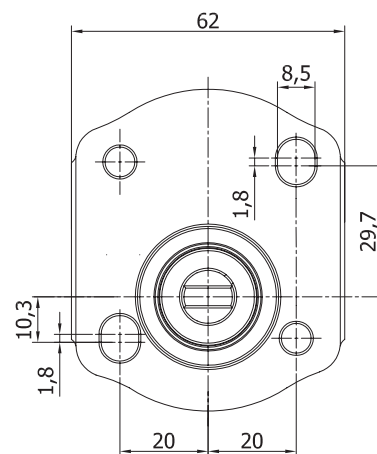
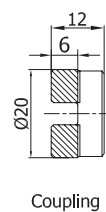
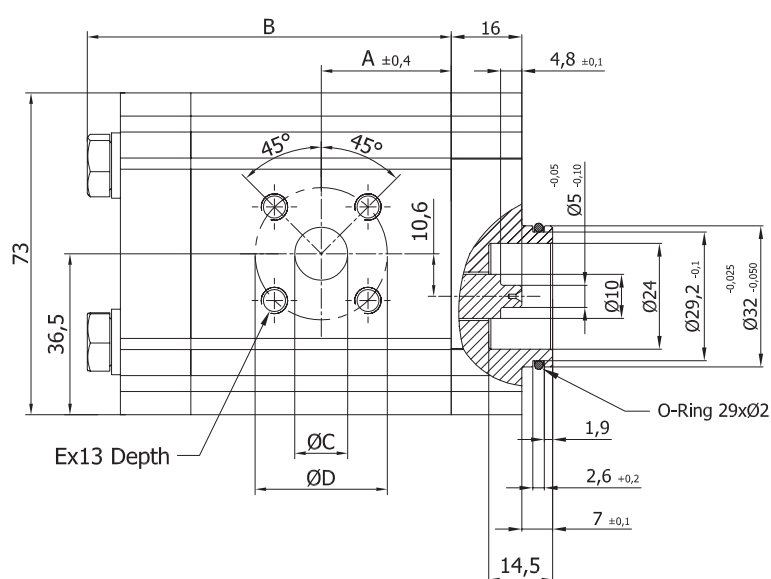
Rear Cover
S Standard

- Code Example (Single) ; AP10.032.CAB01SN

- Code Example (Tandem) ; AP10.032/032/032.CAB01SN-T



Pump Type	Displacement cm³/rev	Max. Pressure (bar)	Max. Speed (rpm)	Min. Speed (rpm)	A ±0,4	B	Inlet			Outlet								
							C	D	E	c	d	e						
APH10.009.A/CCE01SN	0,9	220	4000	650	34,9	78,1	12	30	N6x1	12	30	N6x1						
APH10.012.A/CCE01SN	1,2				35,5	79,3												
APH10.017.A/CCE01SN	1,7				36,5	81,3												
APH10.023.A/CCE01SN	2,3				37,5	83,3												
APH10.027.A/CCE01SN	2,7				38,5	85,3												
APH10.032.A/CCE01SN	3,2				39,3	86,8												
APH10.038.A/CCE01SN	3,8		3500		40,5	89,3							12	30	N6x1	12	30	N6x1
APH10.043.A/CCE01SN	4,3				41,5	91,3												
APH10.050.A/CCE01SN	5,0				43,0	94,3												
APH10.059.A/CCE01SN	5,9				44,8	97,8												
APH10.063.A/CCE01SN	6,3				45,5	99,3												
APH10.078.A/CCE01SN	7,8				48,5	105,3												
APH10.095.A/CCE01SN	9,5	200	52,0	112,3	12	30	N6x1	12	30	N6x1								

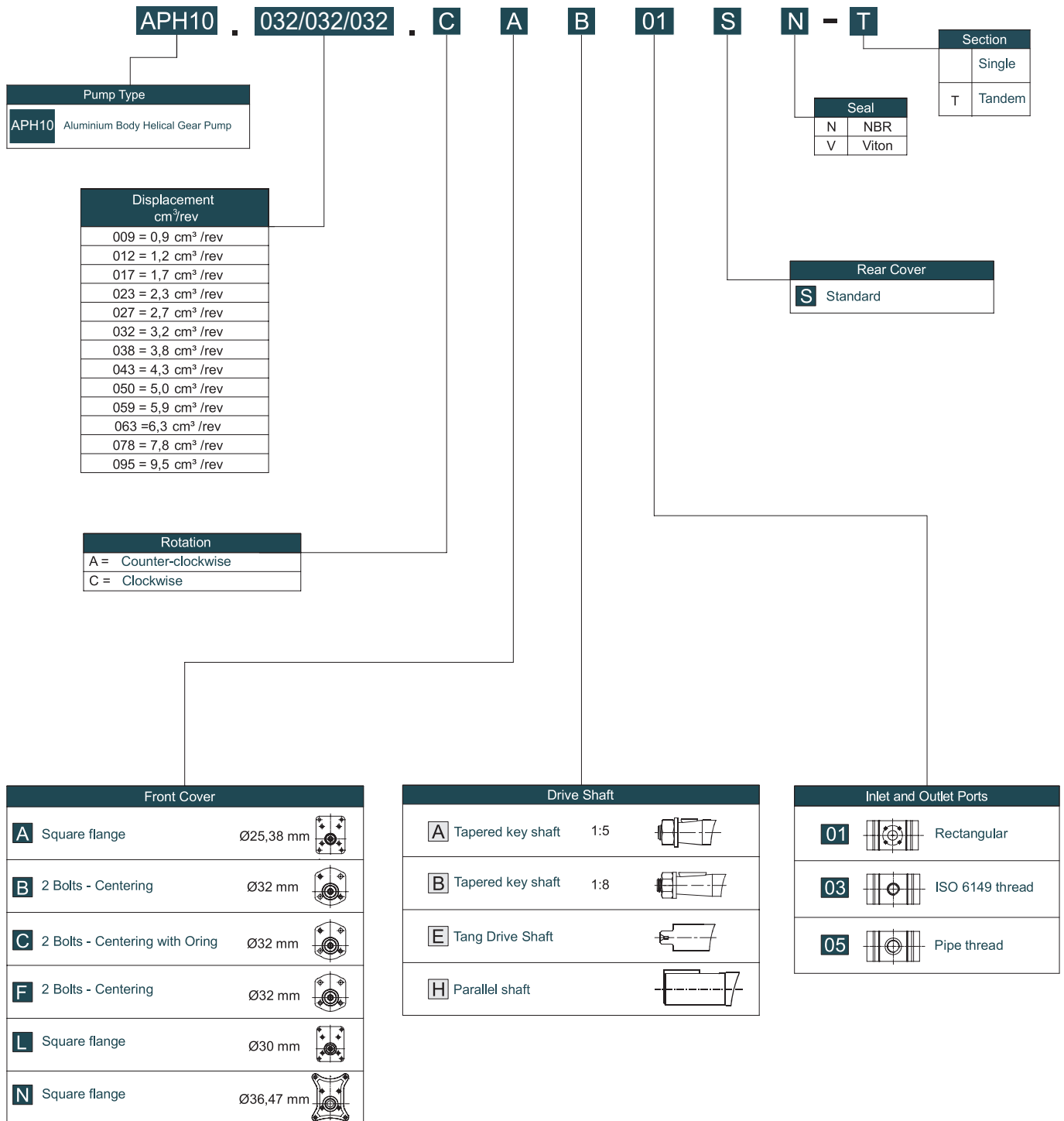


ALUMINIUM BODY EXTERNAL HELICAL GEAR PUMPS

APH10



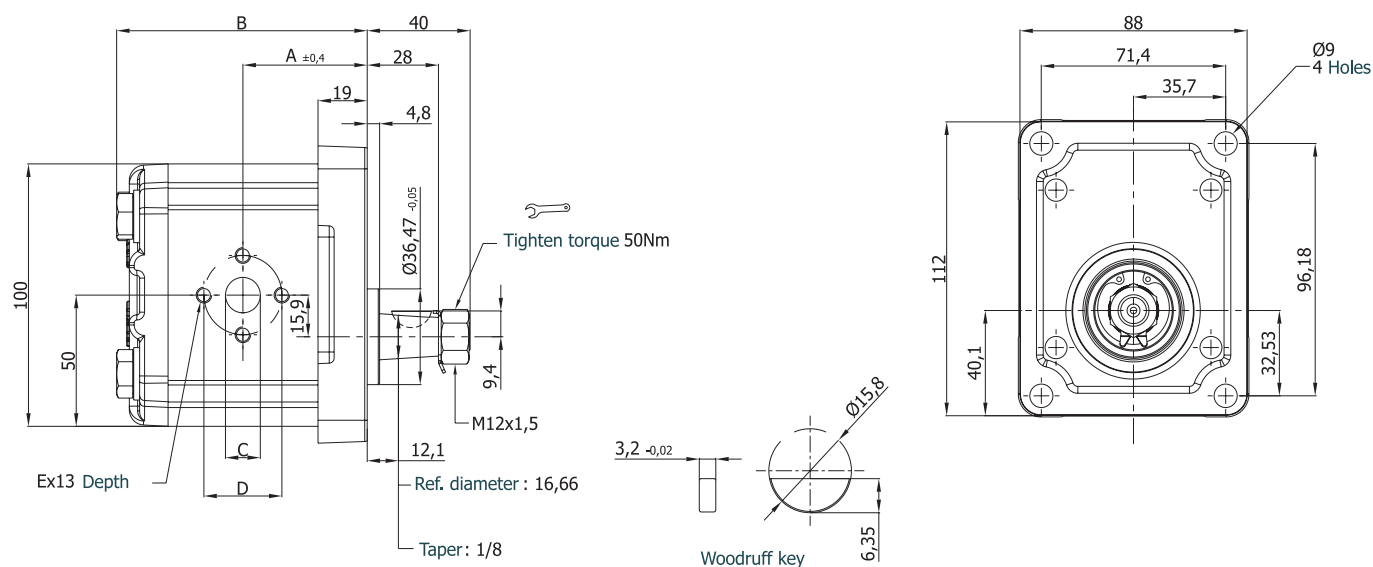
ORDERING CODE OF APH10 PUMPS



- Code Example (Single) ; APH10.032.CAB01SN - Code Example (Tandem) ; APH10.032/032/032.CAB01SN-T



Pump Type	Displacement cm³/rev	Max. Pressure (bar)	Max. Speed rpm	A ±0,4	B	Inlet			Outlet		
						C	D	E	c	d	e
AP20.040.A/CAB02SN	3,9	250	3500	42,2	85,3	12	30,2	M6	12	30,2	M6
AP20.060.A/CAB02SN	5,9			43,8	88,4	13,5			13,5		
AP20.080.A/CAB02SN	8,0			45,4	91,6						
AP20.095.A/CAB02SN	9,4			46,5	93,9	20					
AP20.115.A/CAB02SN	11,4		48,2	97,0							
AP20.140.A/CAB02SN	13,9		50,0	101,0							
AP20.160.A/CAB02SN	16,0		51,7	104,1							
AP20.190.A/CAB02SN	19,2		60,2	121,1							
AP20.220.A/CAB02SN	21,9	210	2500	62,3	125,5		20	40		M8	
AP20.250.A/CAB02SN	24,8	190		64,8	130,4						
AP20.280.A/CAB02SN	27,9	170	2200	67,0	134,9				20		40
AP20.320.A/CAB02SN	32,0	160	2000	70,0	141,0						
AP20.340.A/CAB02SN	34,0	150		71,5	144,5						
AP20.380.A/CAB02SN	38,0	140	1750	74,8	150,5						
AP20.400.A/CAB02SN	40,0	130		76,5	154,0						



ORDERING CODE OF GROUP 20 PUMPS

AP20 . 115/115/115 . C A B 02 S O N - T

Pump Type		Displacement cm ³ /rev	
AP20	Aluminium Body Gear Pump	040 = 3,9	cm ³ /rev
		060 = 5,9	cm ³ rev
		080 = 8,0	cm ³ /rev
		095 = 9,4	cm ³ /rev
		115 = 11,4	cm ³ /rev
		140 = 13,9	cm ³ /rev
		160 = 16,0	cm ³ /rev
		190 = 19,2	cm ³ /rev
		220 = 21,9	cm ³ /rev
		250 = 24,8	cm ³ /rev
		280 = 27,9	cm ³ /rev
		320 = 32,0	cm /rev
		340 = 34,0	cm /rev
		380 = 38,0	cm /rev
		400 = 40,0	cm /rev

Rotation	
A	Counter-clockwise
C	Clockwise
R	Reversible

Outboard Bearing	
O	Available
	Absent

Section	
	Single
T	Tandem
M	Modular

Seal	
N	NBR
V	Viton

Rear Cover	
S	Standard
R1	Relief Valve (10 - 90 Bar)
R2	Relief Valve (70 - 140 Bar)
R3	Relief Valve (120 - 190 Bar)
D	Flow Divider Valve
H	Flow Control Valve With Relief Valve
L	Load Sensing Valve
T	Check Valve
P	Rear Inlet-Outlet
C	Flow Control Valve Pressure Compensated

Front Cover	
A	Square flange Ø36,47 mm
B	2 Bolts - Centering Ø50 mm
C	2 Bolts - Centering with oring Ø52 mm
D	2 Bolts SAE 'A' Ø82,55 mm
E	2 Bolts - Centering Ø50 mm
G	Square flange Ø80 mm
H	Outboard bearing Ø80 mm
K	2 Bolts SAE 'B' Ø101,6 mm
M	2 Bolts - Centering Ø52,34 mm
N	4 Bolts - Centering O-ring Ø52 mm

Drive Shaft	
A	Tapered key shaft 1:5 B E G
B	Tapered key shaft 1:8 A
C	SAE spline shaft 9T B D
E	Tang drive shaft C H
F	SAE spline shaft 11T D
G	Spline shaft (B17x14) A B E G
H	Parallel shaft B D G
K	Tapered key shaft 1:5 H
L	Tapered key shaft 1:5 G
M	SAE spline shaft 16/32 DP 10T D
N	Tapered key shaft 1:8 M
T	Tang drive shaft N

Inlet and Outlet Ports	
01	Rectangular
02	Diamond
03	ISO 6149 oring boss
04	UNF thread
05	Pipe thread
06	SAE Square Flange Thread Metric

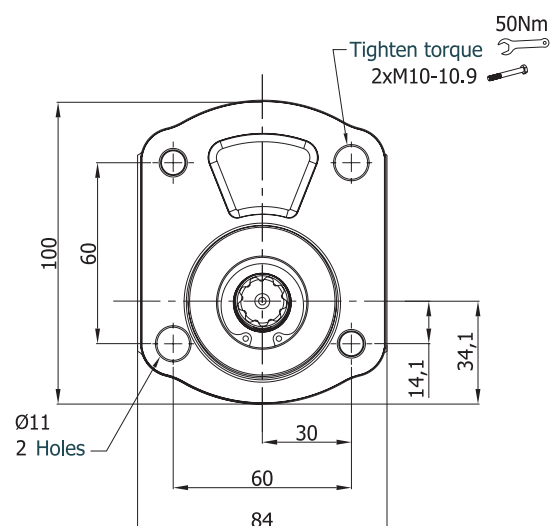
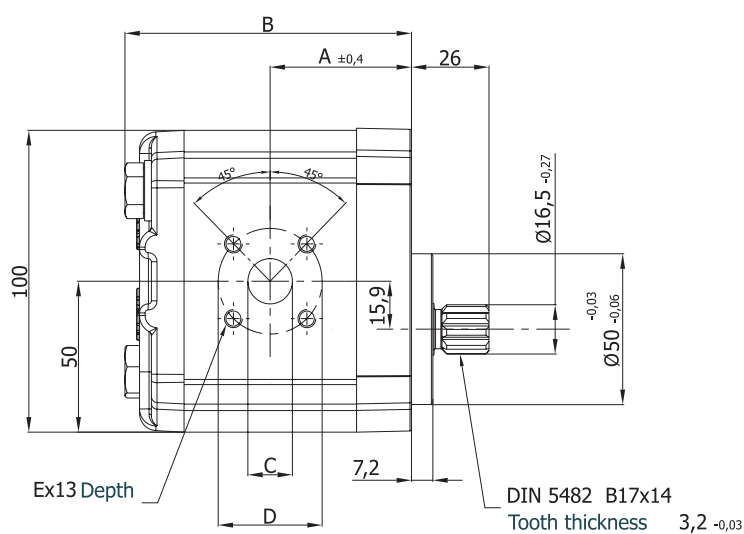
- Code Example (Single) ; AP20.115.CAB02SN

- Code Example (Tandem) ; AP20.115/115/115.CAB02SN-T

- Code Example (Modular) ; AP20.115/115/115.CAB02SN-M



Pump Type	Displacement cm³/rev	Max. Pressure (bar)	Max. Speed (rpm)	A ±0,4	B	Inlet			Outlet				
						C	D	E	c	d	e		
APH20.040.A/CBG01SN	3,9	250	3500	41,6	84,7	12	40	M6	12	35	M6		
APH20.060.A/CBG01SN	5,9			43,2	87,8	13,5			13,5				
APH20.080.A/CBG01SN	8,0			44,8	91,0	20			15				
APH20.095.A/CBG01SN	9,4			45,9	93,3								
APH20.115.A/CBG01SN	11,4		47,6	96,4									
APH20.140.A/CBG01SN	13,9		49,4	100,4									
APH20.160.A/CBG01SN	16,0		51,1	103,5									
APH20.190.A/CBG01SN	19,2		59,6	120,5									
APH20.220.A/CBG01SN	21,9	210	2500	61,7	124,9	20				40			
APH20.250.A/CBG01SN	24,8	190		64,2	129,8								
APH20.280.A/CBG01SN	27,9	170	2200	66,4	134,3							20	40



ALUMINIUM BODY EXTERNAL HELICAL GEAR PUMPS

APH20

ORDERING CODE OF GROUP 20 PUMPS

APH20 . 115/115/115 . C A B 02 S O N - T

Pump Type	Displacement cm ³ /rev
APH20 Aluminium Body Helical Gear Pump	040 = 3,9 cm ³ /rev
	060 = 5,9 cm ³ /rev
	080 = 8,0 cm ³ /rev
	095 = 9,4 cm ³ /rev
	115 = 11,4 cm ³ /rev
	140 = 13,9 cm ³ /rev
	160 = 16,0 cm ³ /rev
	190 = 19,2 cm ³ /rev
	220 = 21,9 cm ³ /rev
	250 = 24,8 cm ³ /rev
	280 = 27,9 cm ³ /rev

Rotation
A = Counter-clockwise
C = Clockwise
R = Reversible

Outboard Bearing
O Available
Absent

Section
Single
T Tandem
M Modular

Seal
N NBR
V Viton

Rear Cover
S Standard
R1 Relief Valve (10 - 90 Bar)
R2 Relief Valve (70 - 140 Bar)
R3 Relief Valve (120 - 190 Bar)
D Flow Divider Valve
H Flow Control Valve With Relief Valve
L Load Sensing Valve
T Check Valve
P Rear Inlet-Outlet
C Flow Control Valve Pressure Compensated

Front Cover
A Square flange Ø36,47 mm
B 2 Bolts - Centering Ø50 mm
C 2 Bolts - Centering with oring Ø52 mm
D 2 Bolts SAE 'A' Ø82,55 mm
E 2 Bolts - Centering Ø50 mm
G Square flange Ø80 mm
H Outboard bearing Ø80 mm
K 2 Bolts SAE 'B' Ø101,6 mm
M 2 Bolts - Centering Ø52,34 mm
N 4 Bolts - Centering O-ring Ø52 mm

Drive Shaft
A Tapered key shaft 1:5 B E G
B Tapered key shaft 1:8 A
C SAE spline shaft 9T B D
E Tang drive shaft C H
F SAE spline shaft 11T D
G Spline shaft (B17x14) A B E G
H Parallel shaft B D G
K Tapered key shaft 1:5 H
L Tapered key shaft 1:5 G
M SAE spline shaft 16/32 DP 10T D
N Tapered key shaft 1:8 M
T Tang drive shaft N

Inlet and Outlet Ports
01 Rectangular
02 Diamond
03 ISO 6149 oring boss
04 UNF thread
05 Pipe thread
06 SAE Square Flange Thread Metric

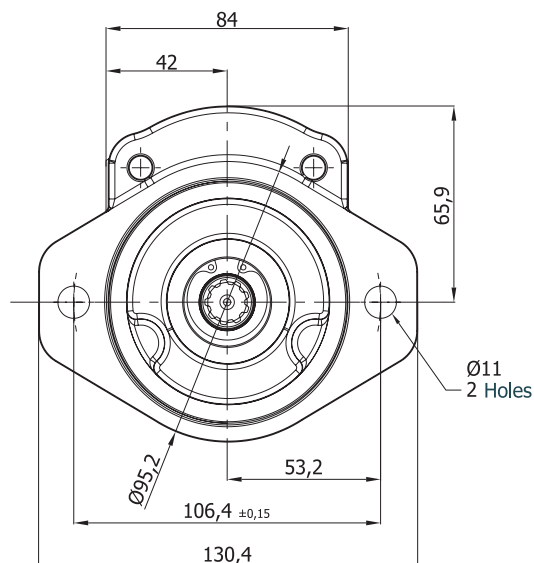
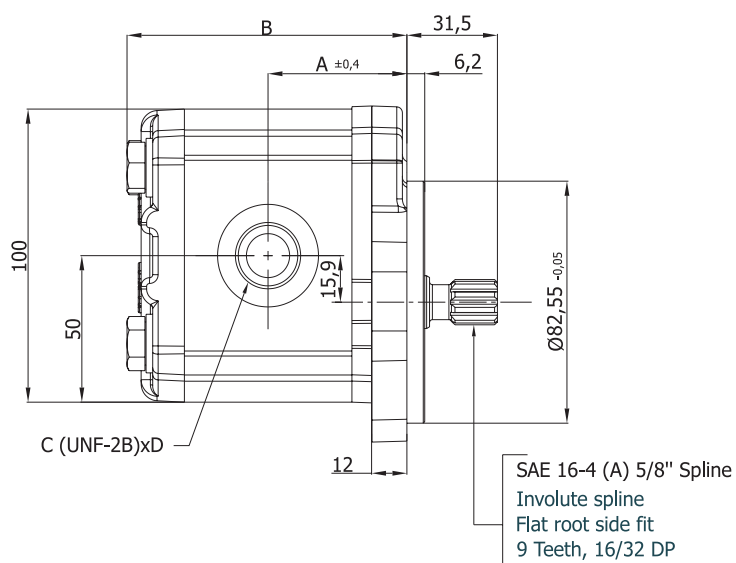
Code Example (Single) APH20.115.CAB02SN

Code Example (Tandem) ; APH20.115/115/115.CAB02SN-T

Code Example (Modular) ; APH20.115/115/115.CAB02SN-M



Pump Type	Displacement cm³/rev	Max. Pressure (bar)	Max. Speed rpm	A ±0,4	B	Inlet		Outlet	
						C	D	c	d
DKP20.040.A/CDC04SN	3,9	280	3500	42,2	85,3	9/16-18 UNF	13	9/16-18 UNF	13
DKP20.060.A/CDC04SN	5,9			43,8	88,4				
DKP20.080.A/CDC04SN	8,0			45,4	91,6	7/8-14 UNF	16	7/8-14 UNF	16
DKP20.095.A/CDC04SN	9,4		3000	46,5	93,9	1 1/16-12 UNF	19		
DKP20.115.A/CDC04SN	11,4			48,2	97,0				
DKP20.140.A/CDC04SN	13,9			50,0	101,0				
DKP20.160.A/CDC04SN	16,0			51,7	104,1				
DKP20.190.A/CDC04SN	19,2			60,2	121,1				
DKP20.220.A/CDC04SN	21,9	240	2500	62,3	125,5	1 1/16-12 UNF	19	7/8-14 UNF	16
DKP20.250.A/CDC04SN	24,8	220		64,8	130,4				
DKP20.280.A/CDC04SN	27,9	200	2200	67,0	134,9				



CAST IRON BODY EXTERNAL GEAR PUMPS

ORDERING CODE OF GROUP 20 PUMPS

DKP20	115/115/115	C	A	B	02	S	O	N	-	T
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Pump Type
DKP20 Cast Iron Body Gear Pump

Displacement cm ³ /rev
040 = 3,9 cm ³ /rev
060 = 5,9 cm ³ /rev
080 = 8,0 cm ³ /rev
095 = 9,4 cm ³ /rev
115 = 11,4 cm ³ /rev
140 = 13,9 cm ³ /rev
160 = 16,0 cm ³ /rev
190 = 19,2 cm ³ /rev
220 = 21,9 cm ³ /rev
250 = 24,8 cm ³ /rev
280 = 27,9 cm ³ /rev

Rotation
A = Counter clockwise
C = Clockwise
R = Reversible

Outboard Bearing
O Available
Absent

Section
Single
T Tandem
M Modular

Seal
N NBR
V Viton

Rear Cover
S Standard
R1 Relief Valve (10 - 90 Bar)
R2 Relief Valve (70 - 140 Bar)
R3 Relief Valve (120 - 190 Bar)
D Flow Divider Valve
H Flow Control Valve With Relief Valve
L Load Sensing Valve
T Check Valve
P Rear Inlet-Outlet
C Flow Control Valve Pressure Compensated

Front Cover
A Square flange Ø36,47 mm
B 2 Bolts - Centering Ø50 mm
C 2 Bolts - Centering with oring Ø52 mm
D 2 Bolts SAE 'A' Ø82,55 mm
E 2 Bolts - Centering Ø50 mm
G Square flange Ø80 mm
H Outboard bearing Ø80 mm
K 2 Bolts SAE 'B' Ø101,6 mm
M 2 Bolts - Centering Ø52,34 mm
N 4 Bolts - Centering O-ring Ø52 mm

Drive Shaft
A Tapered key shaft 1:5
B Tapered key shaft 1:8
C SAE spline shaft 9T
E Tang drive shaft
F SAE spline shaft 11T
G Spline shaft (B17x14)
H Parallel shaft
K Tapered key shaft 1:5
L Tapered key shaft 1:5
M SAE spline shaft 16/32 DP 10T
N Tapered key shaft 1:8
T Tang drive shaft

Inlet and Outlet Ports
01 Rectangular
02 Diamond
03 ISO 6149 oring boss
04 UNF thread
05 Pipe thread
06 SAE Square Flange Thread Metric

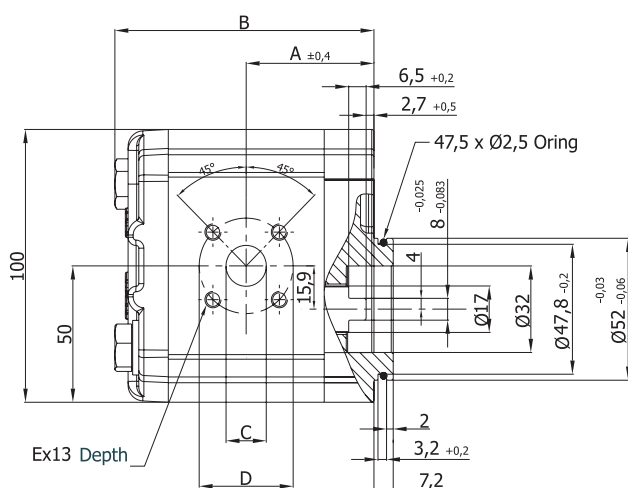
Code Example (Single) ; DKP20.115.CAB02SN

Code Example (Tandem) ; DKP20.115/115/115.CAB02SN-T

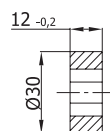
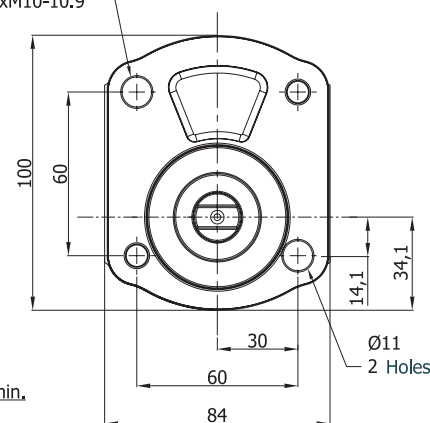
Code Example (Modular) ; DKP20.115/115/115.CAB02SN-M



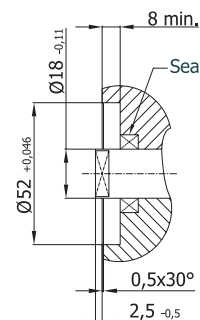
Pump Type	Displacement cm³/rev	Max. Pressure (bar)	Max. Speed rpm	A _{±0,4}	B	Inlet			Outlet						
						C	D	E	c	d	e				
DPH20.040.A/CCE01SN	3,9	280	3500	41,6	84,7	12,0	40	M6	12	35	M6				
DPH20.060.A/CCE01SN	5,9			43,2	87,8	13,5			13,5						
DPH20.080.A/CCE01SN	8,0			44,8	91,0	20,0			15						
DPH20.095.A/CCE01SN	9,4			45,9	93,3										
DPH20.115.A/CCE01SN	11,4		3000	47,6	96,4										
DPH20.140.A/CCE01SN	13,9			49,4	100,4										
DPH20.160.A/CCE01SN	16,0			51,1	103,5										
DPH20.190.A/CCE01SN	19,2			59,6	120,5										
DPH20.220.A/CCE01SN	21,9	240	2500	61,7	124,9	20,0			20	40	M6				
DPH20.250.A/CCE01SN	24,8	220		64,2	129,8										
DPH20.280.A/CCE01SN	27,9	200	2200	66,4	134,3										



Tighten torque 50Nm
2xM10-10.9



Coupling



CAST IRON BODY EXTERNAL HELICAL GEAR PUMPS

DPH20

blue
ascend
hydraulics

ORDERING CODE OF GROUP 20 PUMPS

DPH20 . 115/115/115 . C A B 02 S O N - T

Pump Type	
DPH20	Cast Iron Body Helical Gear Pump

Displacement cm ³ /rev	
040 = 3,9	cm ³ /rev
060 = 5,9	cm ³ /rev
080 = 8,0	cm ³ /rev
095 = 9,4	cm ³ /rev
115 = 11,4	cm ³ /rev
140 = 13,9	cm ³ /rev
160 = 16,0	cm ³ /rev
190 = 19,2	cm ³ /rev
220 = 21,9	cm ³ /rev
250 = 24,8	cm ³ /rev
280 = 27,9	cm ³ /rev

Rotation	
A =	Counter-clockwise
C =	Clockwise
R =	Reversible

Outboard Bearing	
O	Available
	Absent

Section	
	Single
T	Tandem
M	Modular

Seal	
N	NBR
V	Viton

Rear Cover	
S	Standard
R1	Relief Valve (10 - 90 Bar)
R2	Relief Valve (70 - 140 Bar)
R3	Relief Valve (120 - 190 Bar)
D	Flow Divider Valve
H	Flow Control Valve With Relief Valve
L	Load Sensing Valve
T	Check Valve
P	Rear Inlet-Outlet
C	Flow Control Valve Pressure Compensated

Front Cover	
A	Square flange Ø36,47 mm
B	2 Bolts - Centering Ø50 mm
C	2 Bolts - Centering with oring Ø52 mm
D	2 Bolts SAE 'A' Ø82,55 mm
E	2 Bolts - Centering Ø50 mm
G	Square flange Ø80 mm
H	Outboard bearing Ø80 mm
K	2 Bolts SAE 'B' Ø101,6 mm
M	2 Bolts - Centering Ø52,34 mm
N	4 Bolts - Centering O-ring Ø52 mm

Drive Shaft	
A	Tapered key shaft 1:5
B	Tapered key shaft 1:8
C	SAE spline shaft 9T
E	Tang drive shaft
F	SAE spline shaft 11T
G	Spline shaft (B17x14)
H	Parallel shaft
K	Tapered key shaft 1:5
L	Tapered key shaft 1:5
M	SAE spline shaft 16/32 DP 10T
N	Tapered key shaft 1:8
T	Tang drive shaft

Inlet and Outlet Ports	
01	Rectangular
02	Diamond
03	ISO 6149 oring boss
04	UNF thread
05	Pipe thread
06	SAE Square Flange Thread Metric

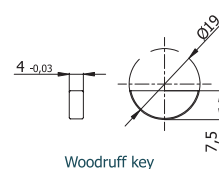
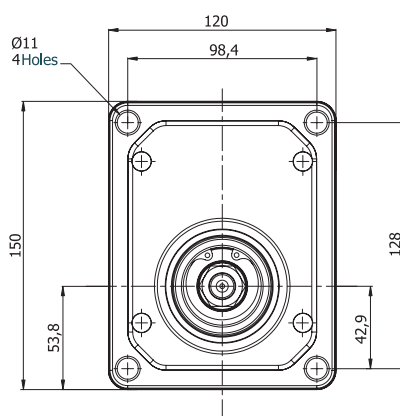
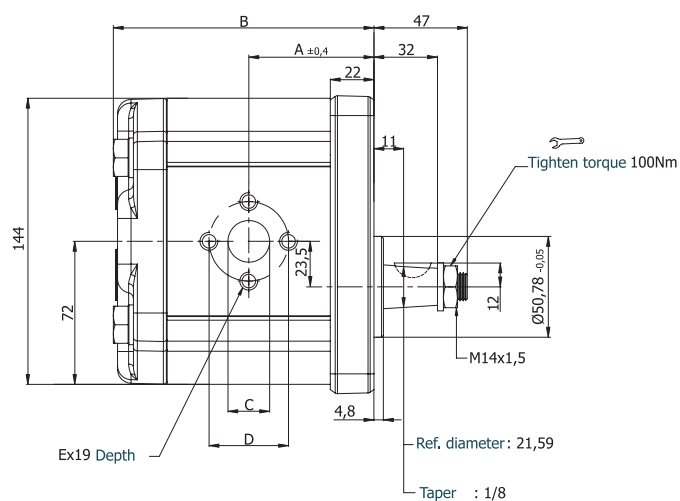
Code Example (Single) ;DPH20.115.CAB02SN

Code Example (Tandem) ;DPH20.115/115/115.CAB02SN-T

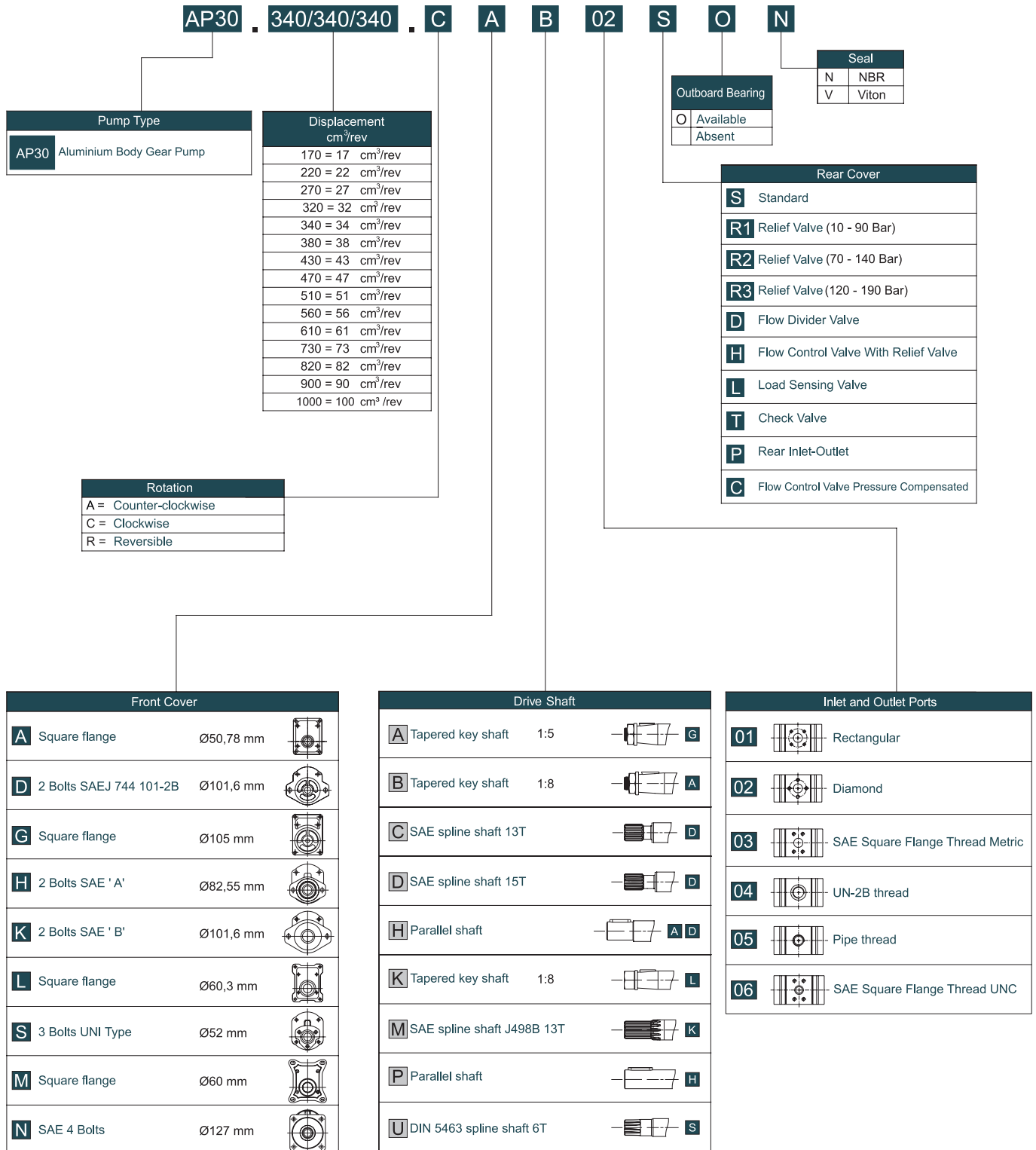
Code Example (Modular) ;DPH20.115/115/115.CAB02SN-M



Pump Type	Displacement cm³/rev	Max. Pressure (bar)	Max. Speed rpm	A ±0,4	B	Inlet			Outlet		
						C	D	E	c	d	e
AP30.170.A/CAB02SN	17,0	250	3000	59,5	124,1	27	51	M10x19	19	40	M8x16
AP30.220.A/CAB02SN	22,0			61,5	128,1						
AP30.270.A/CAB02SN	27,0			63,0	131,1						
AP30.320.A/CAB02SN	32,0	240		64,5	134,1						
AP30.340.A/CAB02SN	34,0			65,0	135,1						
AP30.380.A/CAB02SN	38,0			66,5	138,1						
AP30.430.A/CAB02SN	43,0	230		68,0	141,1						
AP30.470.A/CAB02SN	47,0		2500	69,5	144,1						
AP30.510.A/CAB02SN	51,0			70,5	146,1						
AP30.560.A/CAB02SN	56,0	71,5		148,1							
AP30.610.A/CAB02SN	61,0	74,0		153,1							
AP30.730.A/CAB02SN	73,0	170		77,0	160,1	33	62	M12x19	27	51	M10x19
AP30.820.A/CAB02SN	82,0	160	80,0	166,1							
AP30.900.A/CAB02SN	90,0	150	83,0	172,1							
AP30.1000.A/CAB02SN	100,0	140	86,0	178,1							



ORDERING CODE OF GROUP 30 PUMPS

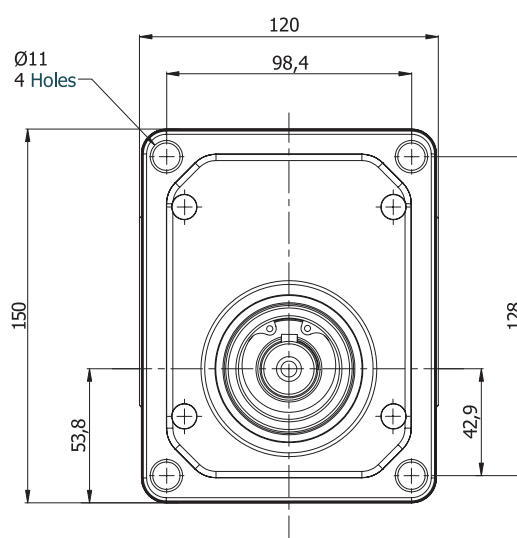
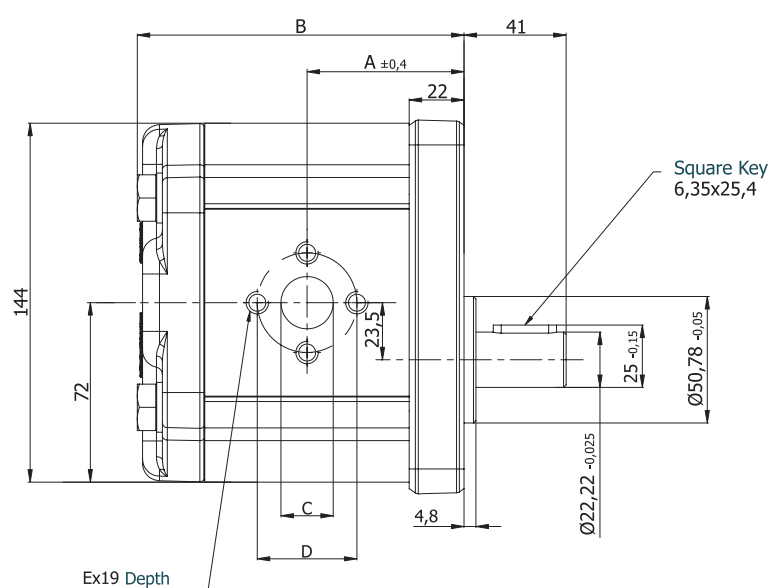


Code Example (Single) ; AP30.340.CAB02SN

Code Example (Tandem) ; AP30.340/340/340.CAB02SN



Pump Type	Displacement cm³/rev	Max. Pressure (bar)	Max. Speed rpm	A ±0,4	B	Inlet			Outlet								
						C	D	E	c	d	e						
APH30.190.A/CAH02SN	19,0	230	3000	63,0	130,8	26	51	M10x19	20	40	M8x16						
APH30.220.A/CAH02SN	22,0			64,0	133,8												
APH30.250.A/CAH02SN	25,0			66,0	136,8												
APH30.280.A/CAH02SN	28,0			67,0	139,8												
APH30.320.A/CAH02SN	32,0	210	2750	69,0	142,8												
APH30.350.A/CAH02SN	35,0			70,0	145,8												
APH30.380.A/CAH02SN	38,0			72,0	148,8												
APH30.420.A/CAH02SN	42,0			74,0	152,8												
APH30.450.A/CAH02SN	45,0			2500	75,0							155,8					
APH30.510.A/CAH02SN	51,0	200	2250	78,0	160,8												
APH30.560.A/CAH02SN	56,0	180	2000	80,0	165,8												
APH30.610.A/CAH02SN	61,0	170	1750	83,0	171,0												



ALUMINIUM BODY EXTERNAL HELICAL GEAR PUMPS

APH30

blue
ascend
hydraulics

ORDERING CODE OF GROUP 30 PUMPS

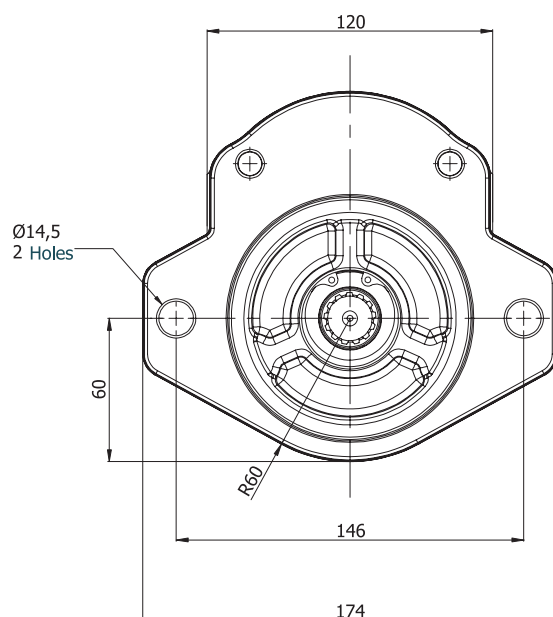
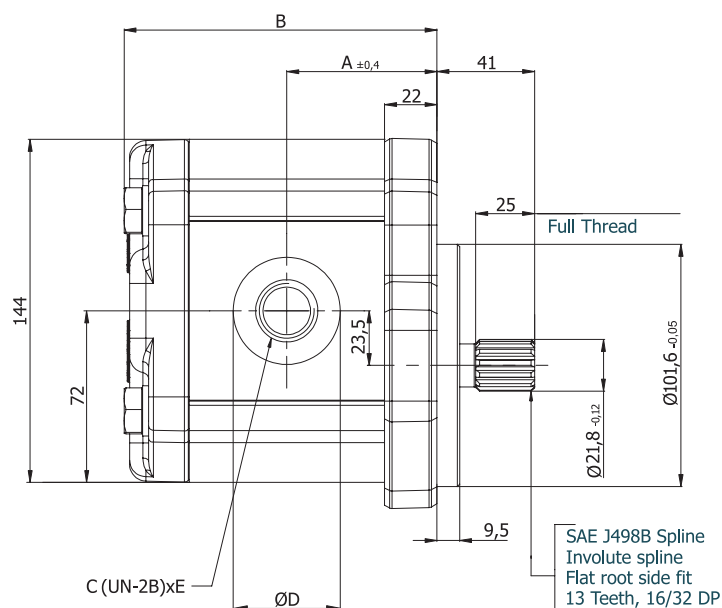
Pump Type		Displacement cm ³ /rev		Rotation		Outboard Bearing		Seal		Rear Cover		Front Cover		Drive Shaft		Inlet and Outlet Ports			
APH30	Aluminium Body Helical Gear Pump	170 = 17	cm ³ /rev	A =	Counter-clockwise	O	Available	N	NBR	S	Standard	A	Square flange	Ø50,78 mm	A	Tapered key shaft	1:5	01	Rectangular
		220 = 22	cm ³ /rev	C =	Clockwise		Absent	V	Viton			D	2 Bolts SAEJ 744 101-2B	Ø101,6 mm	B	Tapered key shaft	1:8	02	Diamond
		270 = 27	cm ³ /rev	R =	Reversible							G	Square flange	Ø105 mm	C	SAE spline shaft 13T		03	SAE Square Flange Thread Metric
		320 = 32	cm ³ /rev									H	2 Bolts SAE 'A'	Ø82,55 mm	D	SAE spline shaft 15T		04	UN-2B thread
		340 = 34	cm ³ /rev									K	2 Bolts SAE 'B'	Ø101,6 mm	H	Parallel shaft		05	Pipe thread
		380 = 38	cm ³ /rev									L	Square flange	Ø60,3 mm	K	Tapered key shaft	1:8	06	SAE Square Flange Thread UNC
		430 = 43	cm ³ /rev									S	3 Bolts UNI Type	Ø52 mm	M	SAE spline shaft J498B 13T			
		470 = 47	cm ³ /rev									M	Square flange	Ø60 mm	P	Parallel shaft			
		510 = 51	cm ³ /rev									N	SAE 4 Bolts	Ø127 mm	U	DIN 5463 spline shaft 6T			
		560 = 56	cm ³ /rev																
		610 = 61	cm ³ /rev																

Code Example (Single) ; APH30.340.CAB02SN

Code Example (Tandem) ; APH30.340/340/340.CAB02SN



Pump Type	Displacement cm ³ /rev	Max. Pressure (bar)	Max. Speed rpm	A ±0,4	B	Inlet			Outlet		
						C	D	E	c	d	e
DKP30.170.A/CDC04SN	17,0	280	3000	59,5	124,1	30,5	49	1 5/16"-12 UNF-2B	24,8	42	1 1/16"-12 UNF-2B
DKP30.220.A/CDC04SN	22,0			61,5	128,1						
DKP30.270.A/CDC04SN	27,0			63,0	131,1						
DKP30.320.A/CDC04SN	32,0	260		64,5	134,1	39,1	58	1 5/8"-12 UNF-2B	30,5	49	1 5/16"-12 UNF-2B
DKP30.340.A/CDC04SN	34,0			65,0	135,1						
DKP30.380.A/CDC04SN	38,0			66,5	138,1						
DKP30.430.A/CDC04SN	43,0		68,0	141,1							
DKP30.470.A/CDC04SN	47,0	250	2500	69,5	144,1	45	65	1 7/8"-12 UNF-2B	39,1	58	1 5/8"-12 UNF-2B
DKP30.510.A/CDC04SN	51,0	240		70,5	146,1						
DKP30.560.A/CDC04SN	56,0	230		71,5	148,1						
DKP30.610.A/CDC04SN	61,0	220	2500	74,0	153,1	45	65	1 7/8"-12 UNF-2B	39,1	58	1 5/8"-12 UNF-2B
DKP30.730.A/CDC04SN	73,0	200		77,0	160,1						
DKP30.820.A/CDC04SN	82,0	190		80,0	166,1						
DKP30.900.A/CDC04SN	90,0	180	2000	83,0	172,1	45	65	1 7/8"-12 UNF-2B	39,1	58	1 5/8"-12 UNF-2B
DKP30.1000.A/CDC04SN	100,0			86,0	178,1						



CAST IRON BODY EXTERNAL GEAR PUMPS

DKP30

blue
ascend
hydraulics

ORDERING CODE OF GROUP 30 PUMPS

DKP30 . 340/340/340 . C A B 02 S O N

Pump Type
DKP30 Cast Iron Body Gear Pump

Displacement
cm³/rev

170 = 17	cm ³ /rev
220 = 22	cm ³ /rev
270 = 27	cm ³ /rev
320 = 32	cm ³ /rev
340 = 34	cm ³ /rev
380 = 38	cm ³ /rev
430 = 43	cm ³ /rev
470 = 47	cm ³ /rev
510 = 51	cm ³ /rev
560 = 56	cm ³ /rev
610 = 61	cm ³ /rev
730 = 73	cm ³ /rev
820 = 82	cm ³ /rev
900 = 90	cm ³ /rev
1000 = 100	cm ³ /rev

Rotation

A = Counter-clockwise
C = Clockwise
R = Reversible

Outboard Bearing

O Available
Absent

Seal

N NBR
V Viton

Rear Cover

S Standard
R1 Relief Valve (10 - 90 Bar)
R2 Relief Valve (70 - 140 Bar)
R3 Relief Valve (120 - 190 Bar)
D Flow Divider Valve
H Flow Control Valve With Relief Valve
L Load Sensing Valve
T Check Valve
P Rear Inlet-Outlet
C Flow Control Valve Pressure Compensated

Front Cover

A Square flange	Ø50,78 mm	
D 2 Bolts SAEJ 744 101-2B	Ø101,6 mm	
G Square flange	Ø105 mm	
H 2 Bolts SAE 'A'	Ø82,55 mm	
K 2 Bolts SAE 'B'	Ø101,6 mm	
L Square flange	Ø60,3 mm	
S 3 Bolts UNI Type	Ø52 mm	
M Square flange	Ø60 mm	
N SAE 4 Bolts	Ø127 mm	

Drive Shaft

A Tapered key shaft	1:5		G
B Tapered key shaft	1:8		A
C SAE spline shaft 13T			D
D SAE spline shaft 15T			D
H Parallel shaft			A D
K Tapered key shaft	1:8		L
M SAE spline shaft J498B 13T			K
P Parallel shaft			H
U DIN 5463 spline shaft 6T			S

Inlet and Outlet Ports

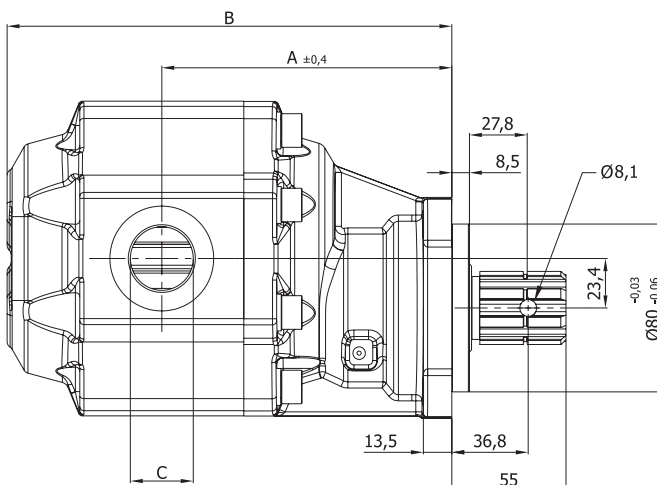
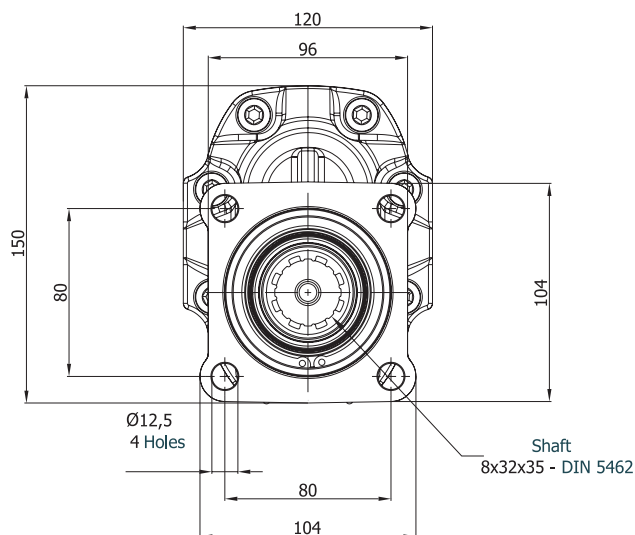
01		Rectangular
02		Diamond
03		SAE Square Flange Thread Metric
04		UN-2B thread
05		Pipe thread
06		SAE Square Flange Thread UNC

Code Example (Single) ; DKP30.340.CAB02SN

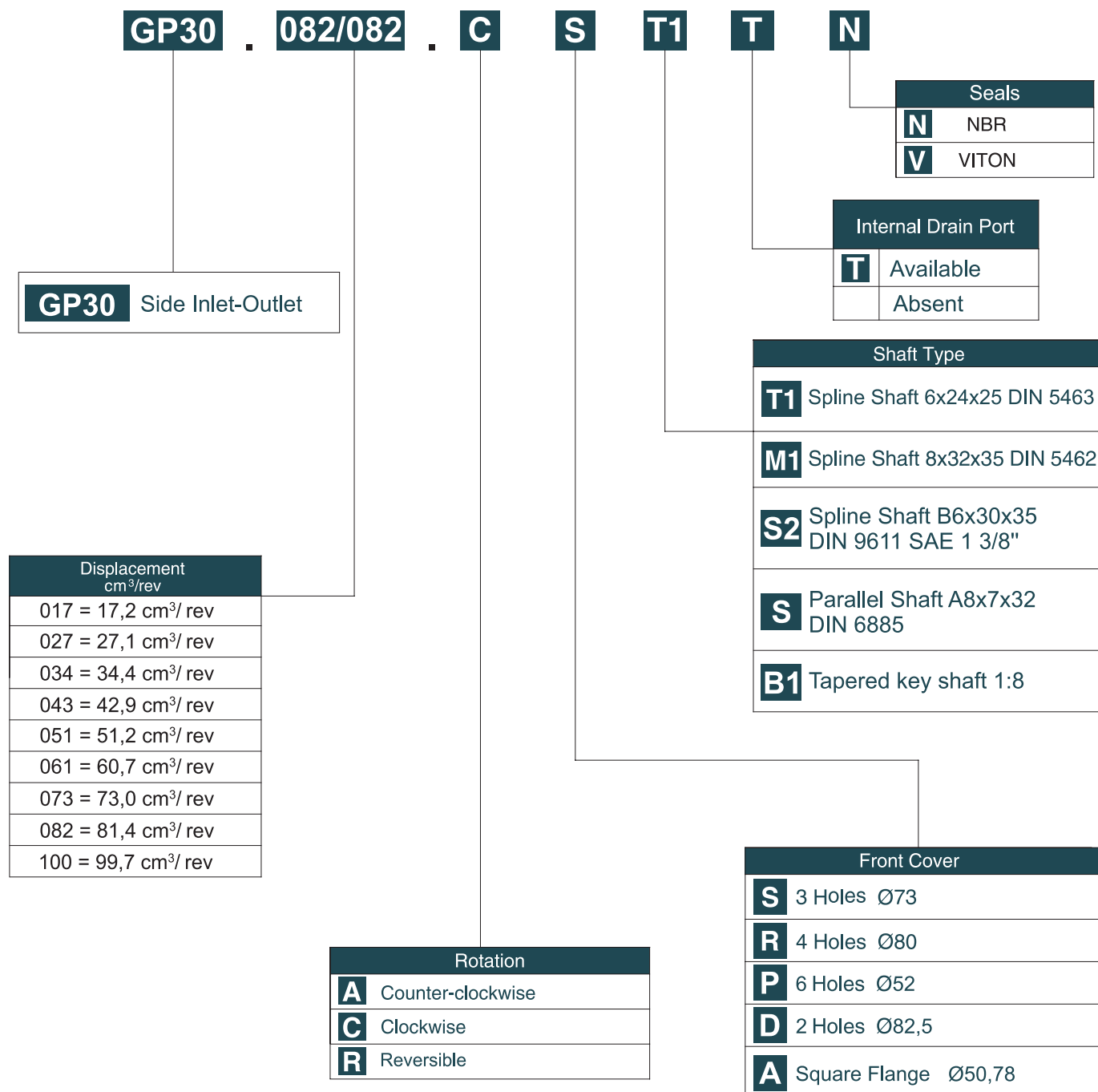
Code Example (Tandem) ; DKP30.340/340/340.CAB02SN



Pump Type	Displacement cm ³ /rev	Max. Pressure (bar)	Max. Speed rpm	A ±0,4	B	Inlet	Outlet		
						C	c		
GP30.017.CRM1N	17,2	300	3000	119,0	172,6	G 1/2"	G 1/2"		
GP30.017.ARM1N									
GP30.027.CRM1N	27,1	290		122,2	179,0	G 3/4"	G 3/4"		
GP30.027.ARM1N									
GP30.034.CRM1N	34,4	280	124,5	183,6					
GP30.034.ARM1N									
GP30.043.CRM1N	42,9	270	2500	127,4	189,4				
GP30.043.ARM1N									
GP30.051.CRM1N	51,2	240		129,5	193,5	G 1"	G 1"		
GP30.051.ARM1N									
GP30.061.CRM1N	60,7	220	2000	133,2	201,0				
GP30.061.ARM1N									
GP30.073.CRM1N	73,0	200	1750	137,1	208,7	G 1-1/4"	G 1-1/4"		
GP30.073.ARM1N									
GP30.082.CRM1N	81,4	190		140,0	214,5				
GP30.082.ARM1N									
GP30.100.CRM1N	99,7	180		145,8	226,1				
GP30.100.ARM1N									



ORDERING CODE OF GP30 PUMPS

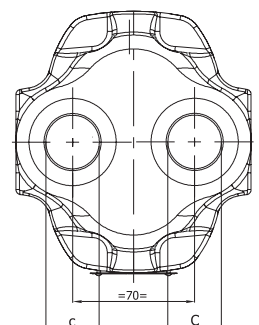
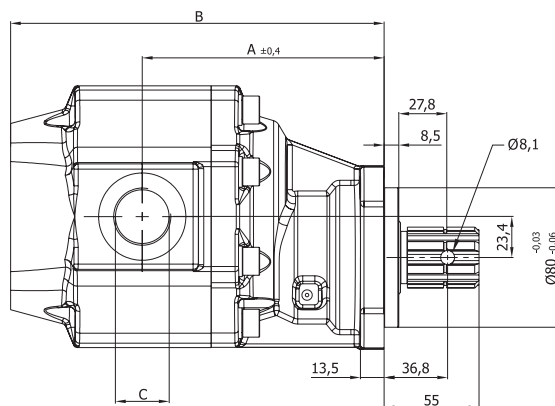
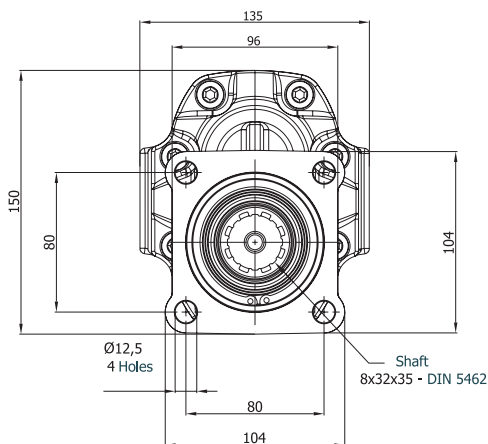


Code Example (Single) ; GP30.082.CST1N

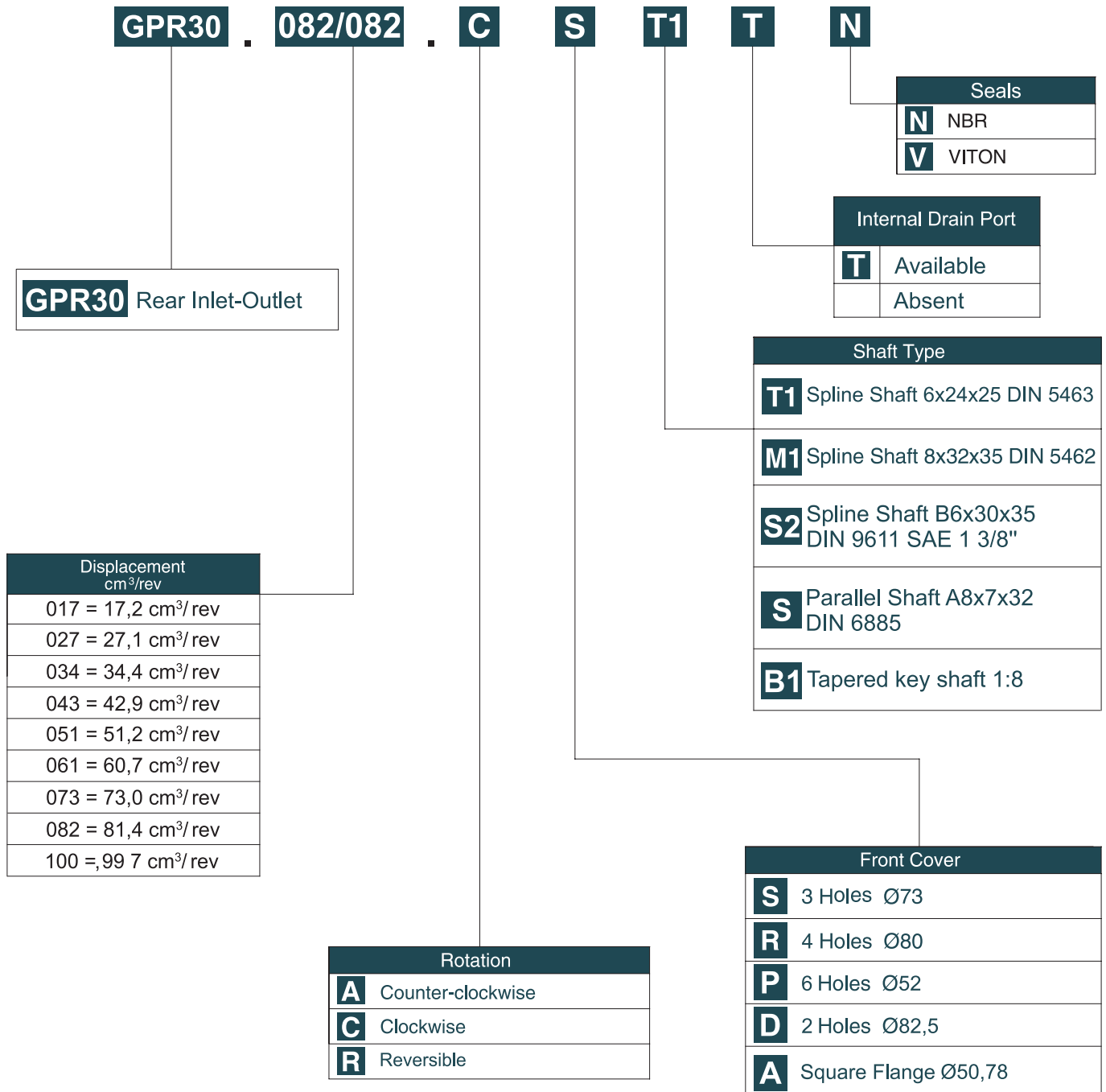
Code Example (Tandem) ; GP30.082/082.CST1N



Pump Type	Displacement cm ³ /rev	Max. Pressure (bar)	Max. Speed rpm	A	B	Inlet	Outlet
						C	c
GPR30.017.CRM1N	17,2	300	3000	119,0	173,6	G 1/2"	G 1/2"
GPR30.017.ARM1N							
GPR30.027.CRM1N	27,1	290	2750	122,2	180,0	G 3/4"	G 3/4"
GPR30.027.ARM1N							
GPR30.034.CRM1N	34,4	280	2500	124,5	184,6	G 1"	G 1"
GPR30.034.ARM1N							
GPR30.043.CRM1N	42,9	270	2000	127,4	190,4	G 1-1/4"	G 1-1/4"
GPR30.043.ARM1N							
GPR30.051.CRM1N	51,2	240	1750	129,5	194,5	G 1-1/4"	G 1-1/4"
GPR30.051.ARM1N							
GPR30.061.CRM1N	60,7	220	145,8	202,0	227,1	G 1-1/4"	G 1-1/4"
GPR30.061.ARM1N							
GPR30.073.CRM1N	73,0	200	140,1	209,7	215,5	G 1-1/4"	G 1-1/4"
GPR30.073.ARM1N							
GPR30.082.CRM1N	81,4	190	137,1	215,5	227,1	G 1-1/4"	G 1-1/4"
GPR30.082.ARM1N							
GPR30.100.CRM1N	99,7	180	145,8	227,1	227,1	G 1-1/4"	G 1-1/4"
GPR30.100.ARM1N							



ORDERING CODE OF GP30 PUMPS

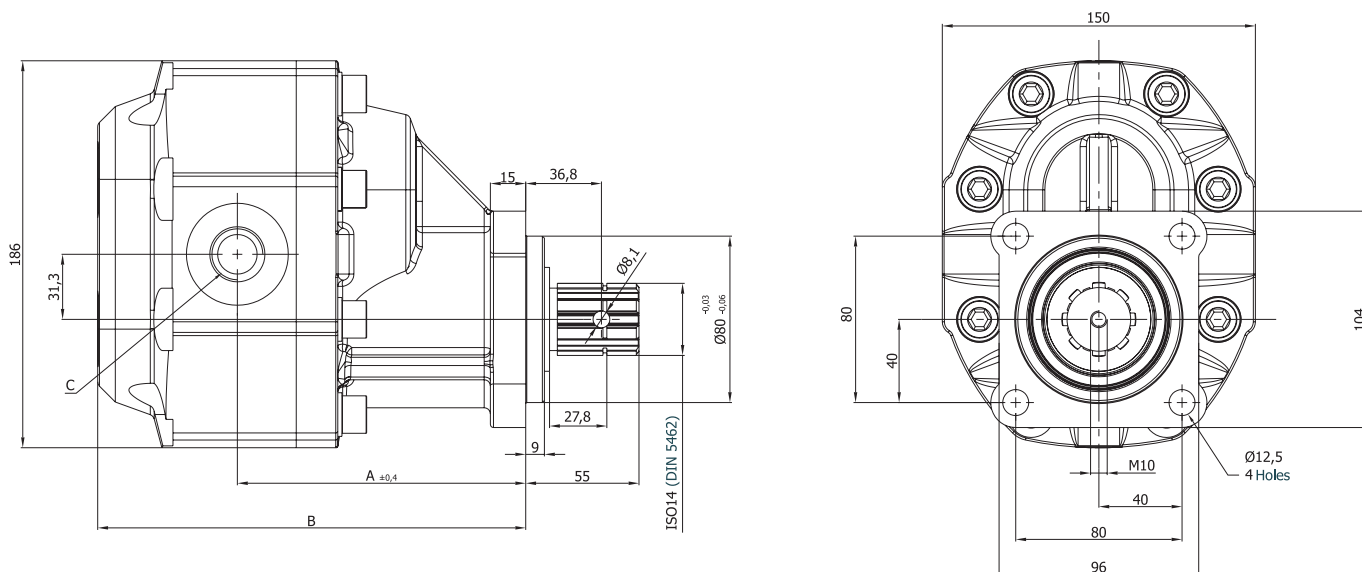


Code Example (Single) ; GPR30.082.CST1N

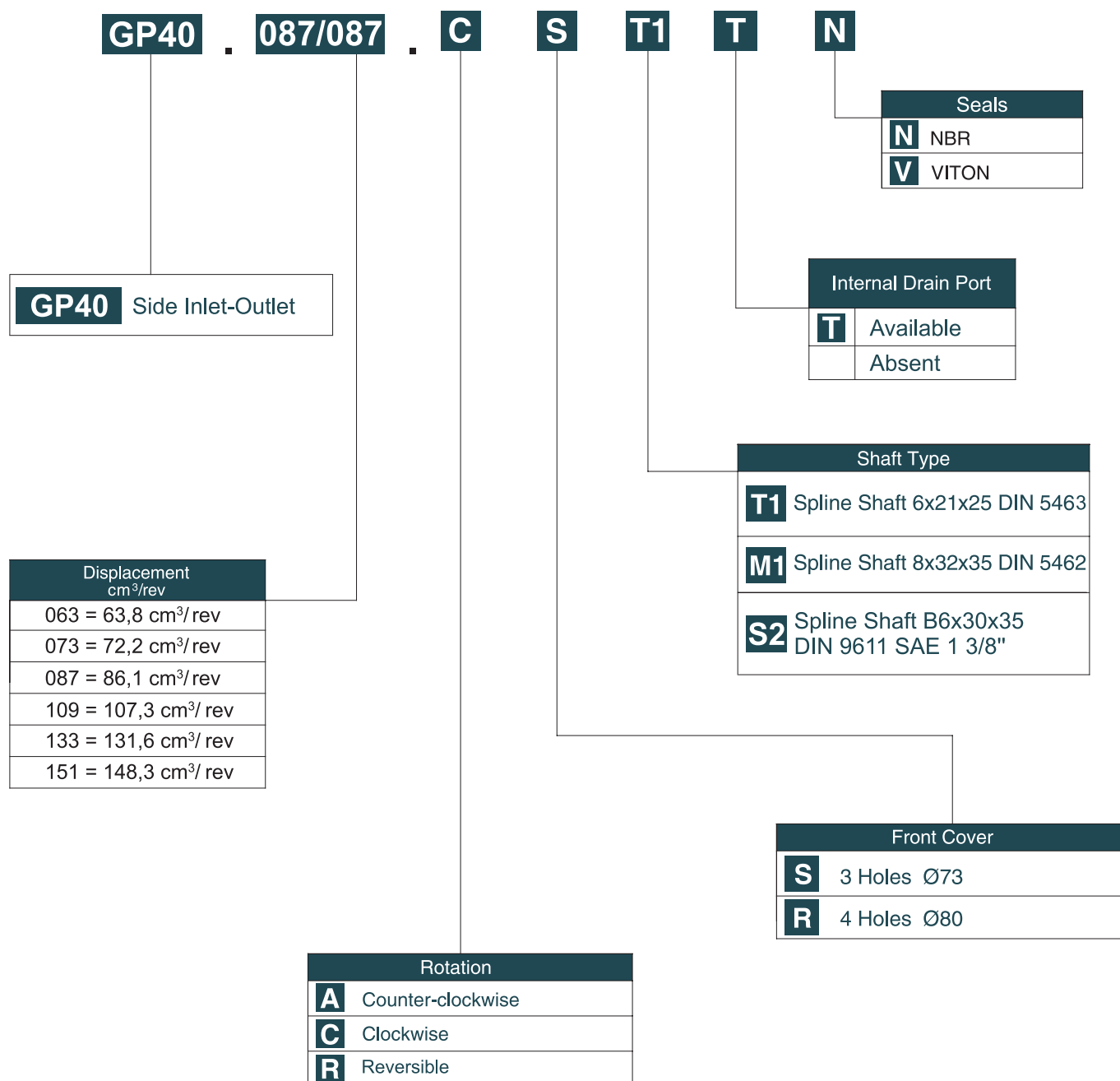
Code Example (Tandem) ; GPR30.082/082.CST1N



Pump Type	Displacement cm ³ /rev	Max. Pressure (bar)	Max. Speed rpm	A ±0,4	B	Inlet	Outlet	
						C	c	
GP40.063.CRM1N	63,8	280	2750	136,3	203,0	G 1"	G 3/4"	
GP40.063.ARM1N								
GP40.073.CRM1N	72,2			137,3	204,6			
GP40.073.ARM1N								
GP40.087.CRM1N	86,1	260	2500	141,0	209,6	G 1-1/4"	G 1"	
GP40.087.ARM1N								
GP40.109.CRM1N	107,3	240		145,0	217,3			
GP40.109.ARM1N								
GP40.133.CRM1N	131,6	220	2500	148,0	225,9	G 1-1/2"		
GP40.133.ARM1N								
GP40.151.CRM1N	148,3	180		153,3	232,3			
GP40.151.ARM1N								



ORDERING CODE OF GP40 PUMPS

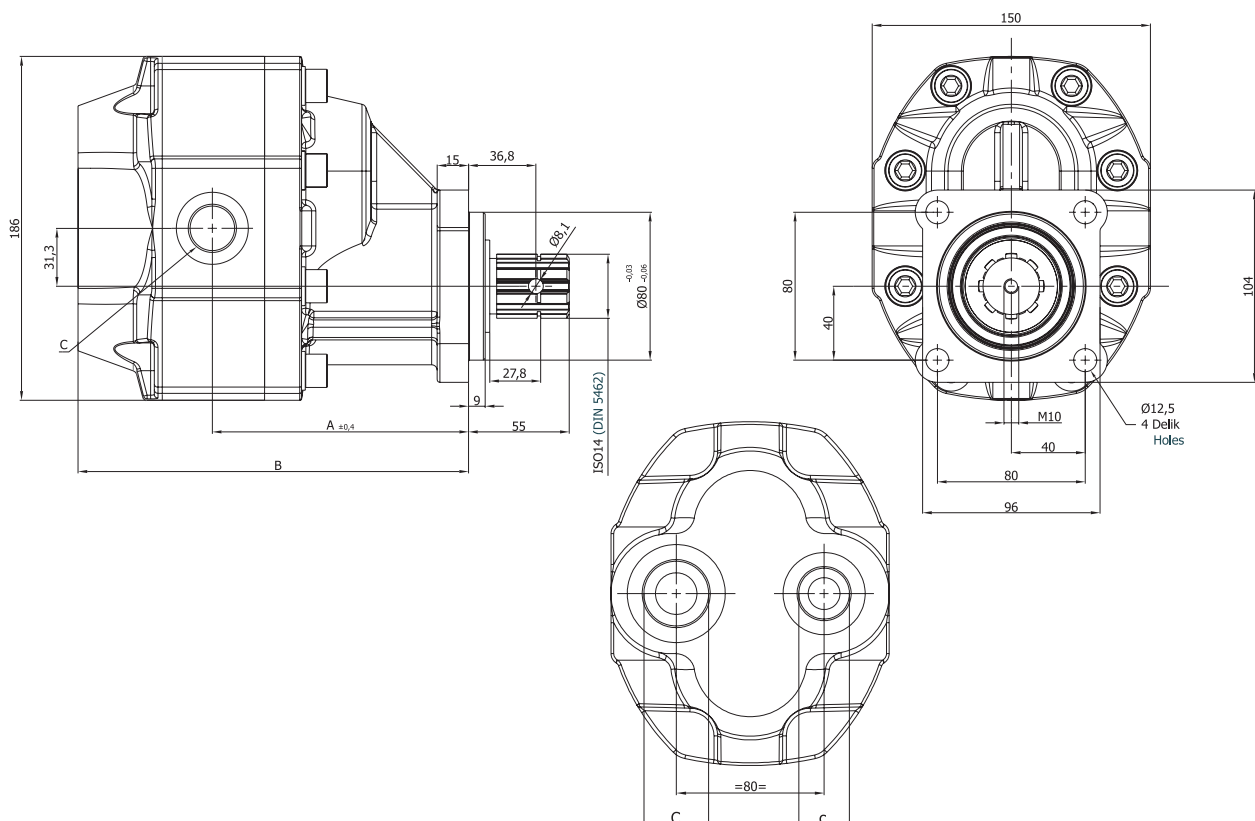


Code Example (Single) ; GP40.087.CST1N

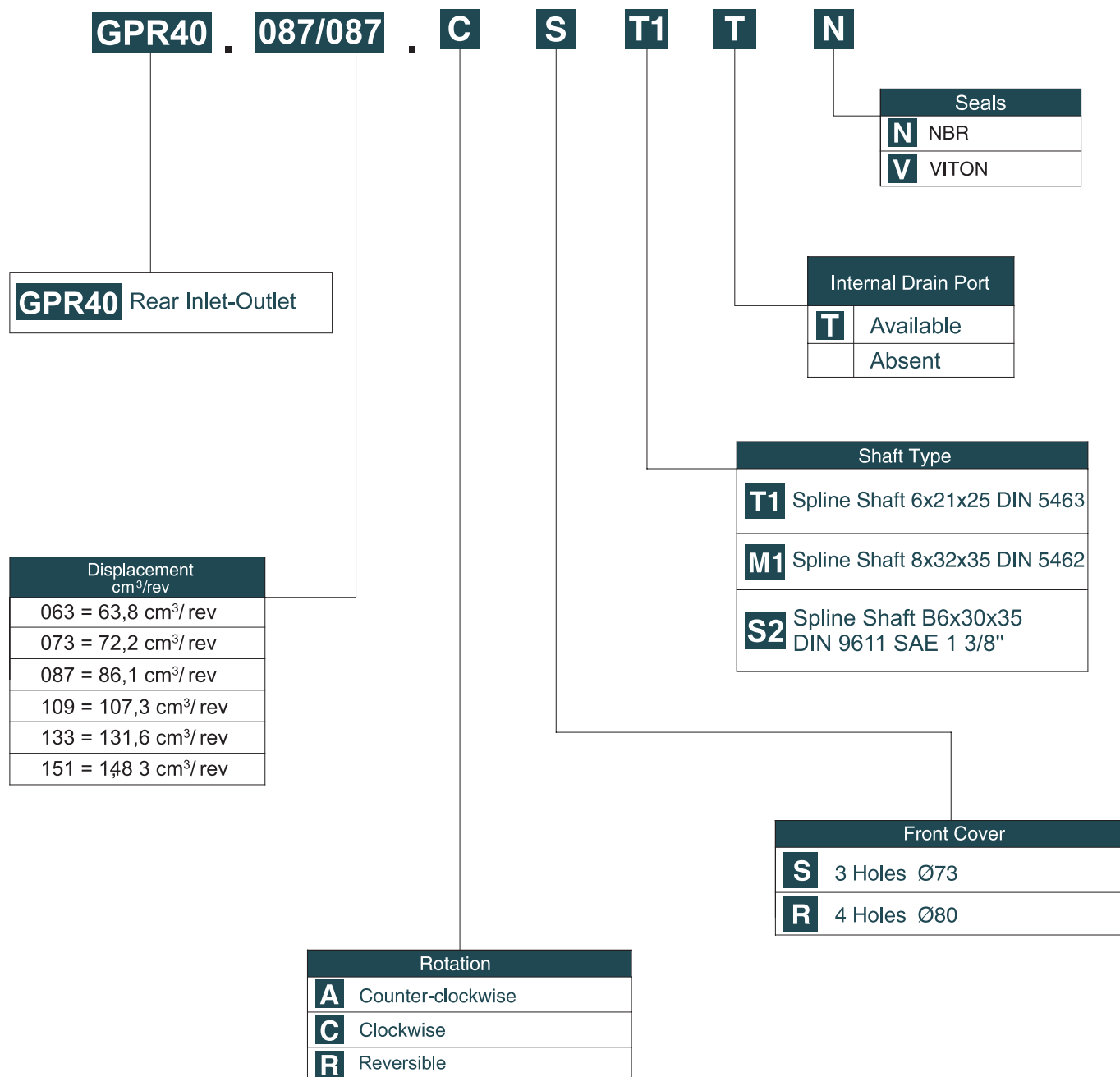
Code Example (Tandem) ; GP40.087/087.CST1N



Pump Type	Displacement cm³/rev	Max. Pressure (bar)	Max. Speed rpm	A ±0,4	B	Inlet	Outlet
						C	c
GPR40.063.CRM1N	63,8	280	2750	136,3	208,5	G 1"	G 3/4"
GPR40.063.ARM1N							
GPR40.073.CRM1N	72,2			137,3	210,0		
GPR40.073.ARM1N							
GPR40.087.CRM1N	86,1	260		141,0	214,0	G 1-1/4"	G 1"
GPR40.087.ARM1N							
GPR40.109.CRM1N	107,3	240	145,0	221,5			
GPR40.109.ARM1N							
GPR40.133.CRM1N	131,6	220	148,0	230,5	G 1-1/2"		
GPR40.133.ARM1N							
GPR40.151.CRM1N	148,3	180	153,3	236,5			
GPR40.151.ARM1N							



ORDERING CODE OF GP40 PUMPS

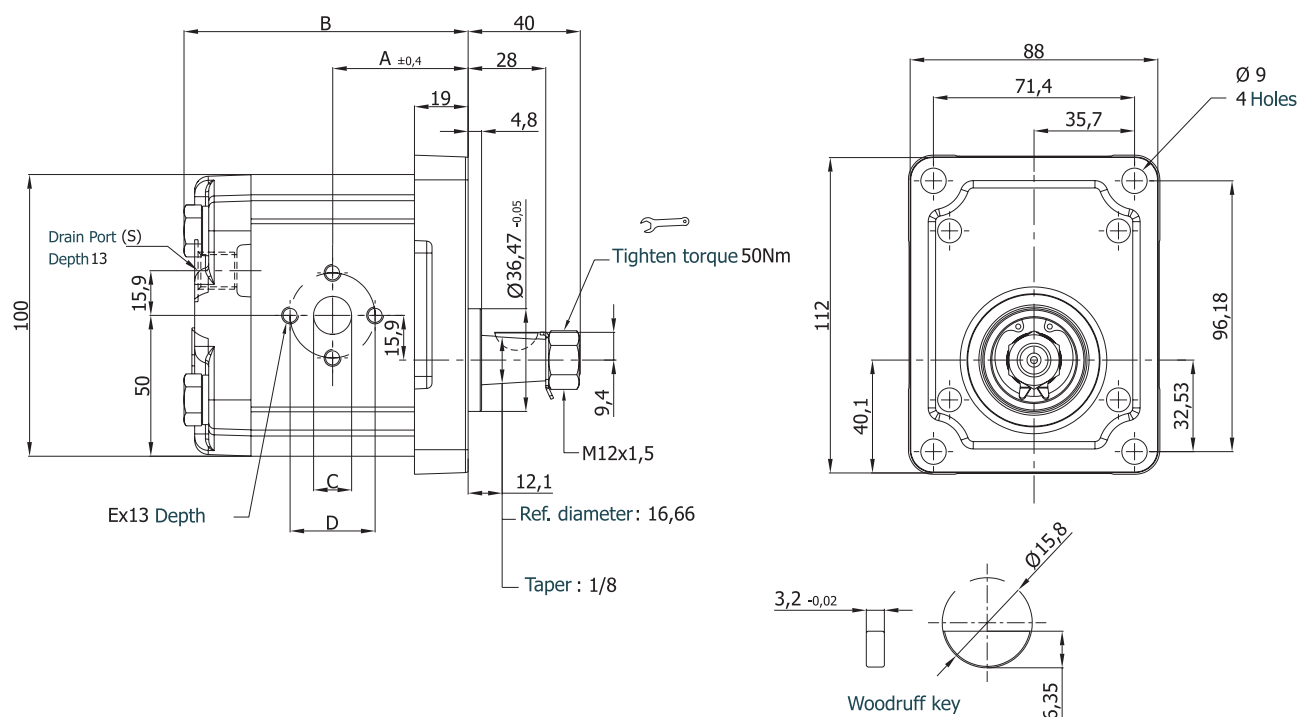


Code Example (Single) ; GPR40.087.CST1N

Code Example (Tandem) ; GPR40.087/087.CST1N



Motor Type	Displacement cm³/rev	Max. Pressure (bar)	Max. Speed rpm	A ±0,4	B	Inlet/Outlet			Drain
						C	D	E	S
APM20.040.RAB02EGN	3,9	250	3500	42,2	89,3	13,5	30,2	M6	G1/4
APM20.060.RAB02EGN	5,9			43,8	92,4				
APM20.080.RAB02EGN	8,0			45,4	95,6				
APM20.095.RAB02EGN	9,4			46,5	97,9				
APM20.115.RAB02EGN	11,4		3000	48,2	101,0				
APM20.140.RAB02EGN	13,9			50,0	105,0				
APM20.160.RAB02EGN	16,0			51,7	108,1				
APM20.190.RAB02EGN	19,2			60,2	125,1				
APM20.220.RAB02EGN	21,9	210	2500	62,3	129,5	20	40	M8	
APM20.250.RAB02EGN	24,8	190		64,8	134,6				
APM20.280.RAB02EGN	27,9	170	2200	67,0	138,9				
APM20.320.RAB02EGN	32,0	160	2000	70,0	145,0				
APM20.340.RAB02EGN	34,0	150		71,5	148,0				
APM20.380.RAB02EGN	38,0	140	1750	74,8	154,5				
APM20.400.RAB02EGN	40,0	140		76,5	158,0				



ORDERING CODE OF GROUP 20 MOTORS

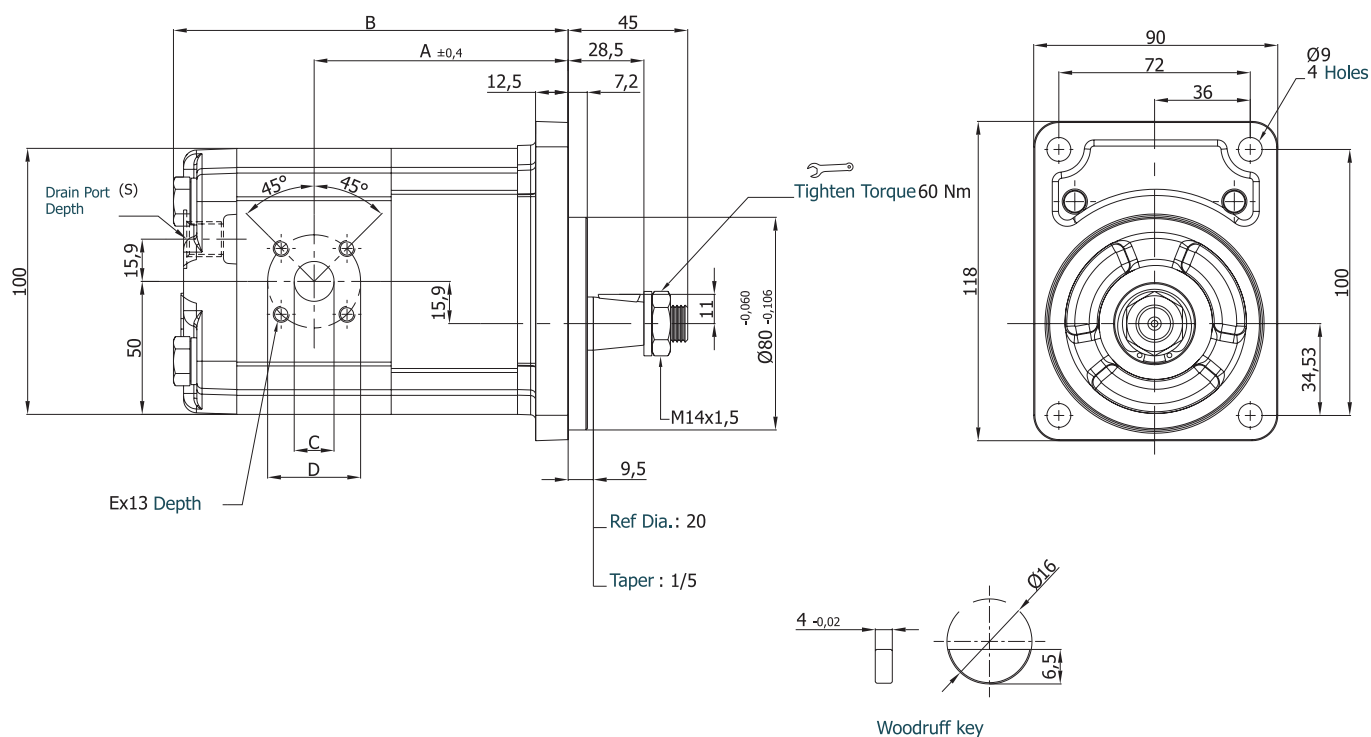
Motor Type		Displacement cm ³ /rev		Rotation		Front Cover		Drive Shaft		Inlet and Outlet Ports	
APM20	Aluminium Body Gear Motor	040 = 3,9 cm ³ /rev ²	060 = 5,9 cm ³ /rev	A	Counter-clockwise	A	Square flange	A	Tapered key shaft 1:5	01	Rectangular
		080 = 8,0 cm ³ /rev	095 = 9,4 cm ³ /rev	C	Clockwise	B	2 Bolts - Centering	B	Tapered key shaft 1:8	02	Diamond
		115 = 11,4 cm ³ /rev	140 = 13,9 cm ³ /rev	R	Reversible	C	2 Bolts - Centering with oring	C	SAE spline shaft 9T	03	ISO 6149 oring boss
		160 = 16,0 cm ³ /rev	190 = 19,2 cm ³ /rev			D	2 Bolts SAE 'A'	E	Tang drive shaft	04	UNF thread
		220 = 21,9 cm ³ /rev	250 = 24,8 cm ³ /rev			E	2 Bolts - Centering	F	SAE spline shaft 11T	05	Pipe thread
		280 = 27,9 cm ³ /rev	320 = 32,0 cm ³ /rev			G	Square flange	G	Spline shaft (B17x14)	06	SAE Square Flange Thread Metric
		340 = 34,0 cm ³ /rev	380 = 38,0 cm ³ /rev			H	Outboard bearing	H	Parallel shaft		
		400 = 40,0 cm ³ /rev				K	2 Bolts SAE 'B'	K	Tapered key shaft 1:5		
						M	2 Bolts - Centering	L	Tapered key shaft 1:5		
						N	4 Bolts - Centering O-ring	M	SAE spline shaft 16/32 DP 10T		
								N	Tapered key shaft 1:8		
								T	Tang drive shaft		

Outboard Bearing		Seal		Drain Line		Rear Cover	
O	Available	N	NBR	G	G1/4"	S	Standard
Absent		V	Viton	U	7/16-20 UNF	E	External Drain Rear Port
				M	M12x1,5	R1	Relief Valve (10 - 90 Bar)
						R2	Relief Valve (70 - 140 Bar)
						R3	Relief Valve (120 - 190 Bar)
						D	Flow Divider Valve
						H	Flow Control Valve With Relief Valve
						L	Load Sensing Valve
						T	Check Valve
						P	Rear Inlet-Outlet
						C	Flow Control Valve Pressure Compensated

Code Example ; APM20.115.RAB02EGN



Motor Type	Displacement cm³/rev	Max. Pressure (bar)	Max. Speed rpm	A ±0,4	B	Inlet/Outlet			Drain
						C	D	E	S
DKM20.040.RHK01EMON	3,9	280	3500	89,7	136,7	15	35	M6	M12x1,5
DKM20.060.RHK01EMON	5,9			91,2	139,8				
DKM20.080.RHK01EMON	8,0			92,8	142,9				
DKM20.095.RHK01EMON	9,4			94,0	145,2				
DKM20.115.RHK01EMON	11,4		3000	95,5	148,4				
DKM20.140.RHK01EMON	13,9	97,5		152,3					
DKM20.160.RHK01EMON	16,0	99,0		155,4					
DKM20.190.RHK01EMON	19,2	260	2500	107,5	172,4	20	40		
DKM20.220.RHK01EMON	21,9	220		109,7	176,8				
DKM20.250.RHK01EMON	24,8	190		112,3	181,9				
DKM20.280.RHK01EMON	27,9	160		2200	114,5			186,2	



CAST IRON BODY EXTERNAL GEAR MOTORS

DKM20

blue
ascend
hydraulics

ORDERING CODE OF GROUP 20 MOTORS

DKM20 . 115 . R A B 02 E G O N

Motor Type
DKM20 Cast Iron Body Gear Motor

Displacement cm ³ /rev
040 = 3,9 cm ³ /rev
060 = 5,9 cm ³ /rev
080 = 8,0 cm ³ /rev
095 = 9,4 cm ³ /rev
115 = 11,4 cm ³ /rev
140 = 13,9 cm ³ /rev
160 = 16,0 cm ³ /rev
190 = 19,2 cm ³ /rev
220 = 21,9 cm ³ /rev
250 = 24,8 cm ³ /rev
280 = 27,9 cm ³ /rev
320 = 32,0 cm ³ /rev
340 = 34,0 cm ³ /rev
380 = 38,0 cm ³ /rev
400 = 40,0 cm ³ /rev

Rotation
A = Counter-clockwise
C = Clockwise
R = Reversible

Outboard Bearing
O Available
Absent

Seal
N NBR
V Viton

Drain Line
G G1/4"
U 7/16-20 UNF
M M12x1,5

Rear Cover
S Standard
E External Drain Rear Port
R1 Relief Valve (10 - 90 Bar)
R2 Relief Valve (70 - 140 Bar)
R3 Relief Valve (120 - 190 Bar)
D Flow Divider Valve
H Flow Control Valve With Relief Valve
L Load Sensing Valve
T Check Valve
P Rear Inlet-Outlet
C Flow Control Valve Pressure Compensated

Front Cover
A Square flange Ø36,47 mm
B 2 Bolts - Centering Ø50 mm
C 2 Bolts - Centering with oring Ø52 mm
D 2 Bolts SAE 'A' Ø82,55 mm
E 2 Bolts - Centering Ø50 mm
G Square flange Ø80 mm
H Outboard bearing Ø80 mm
K 2 Bolts SAE 'B' Ø101,6 mm
M 2 Bolts - Centering Ø52,34 mm
N 4 Bolts - Centering O-ring Ø52 mm

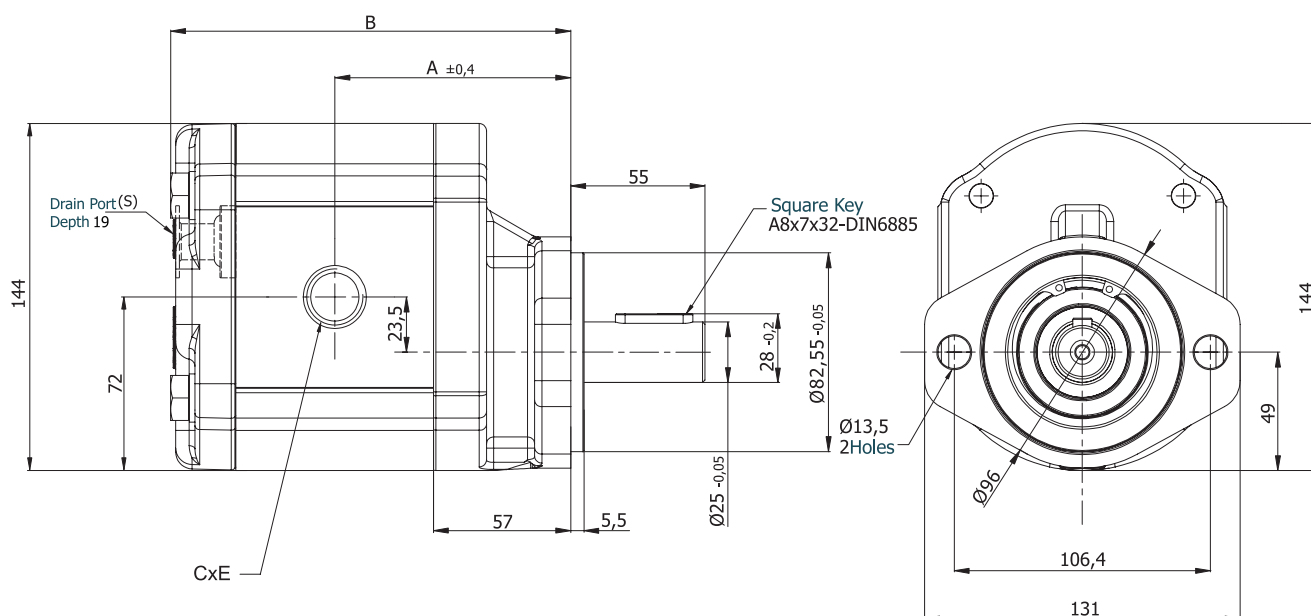
Drive Shaft
A Tapered key shaft 1:5
B Tapered key shaft 1:8
C SAE spline shaft 9T
E Tang drive shaft
F SAE spline shaft 11T
G Spline shaft (B17x14)
H Parallel shaft
K Tapered key shaft 1:5
L Tapered key shaft 1:5
M SAE spline shaft 16/32 DP 10T
N Tapered key shaft 1:8
T Tang drive shaft

Inlet and Outlet Ports
01 Rectangular
02 Diamond
03 ISO 6149 oring boss
04 UNF thread
05 Pipe thread
06 SAE Square Flange Thread Metric

Code Example ; DKM20.115.RAB02EGN



Motor Type	Displacement cm³/rev	Max. Pressure (bar)	Max. Speed rpm	A ±0,4	B	Inlet		Drain
						C	E	S
APM30.190.RHP05EGN	19,0	230	3000	63,0	130,8	24,5	G3/4"	G 3/8"
APM30.220.RHP05EGN	22,0			64,0	133,8			
APM30.250.RHP05EGN	25,0			66,0	136,8			
APM30.280.RHP05EGN	28,0			67,0	139,8			
APM30.320.RHP05EGN	32,0	210	2750	69,0	142,8	30,5	G1"	
APM30.350.RHP05EGN	35,0			70,0	145,8			
APM30.380.RHP05EGN	38,0			72,0	148,8			
APM30.420.RHP05EGN	42,0			74,0	152,8			
APM30.450.RHP05EGN	45,0		2500	75,0	155,8			
APM30.510.RHP05EGN	51,0		200	2250	78,0			
APM30.560.RHP05EGN	56,0	180	2000	80,0	165,8			



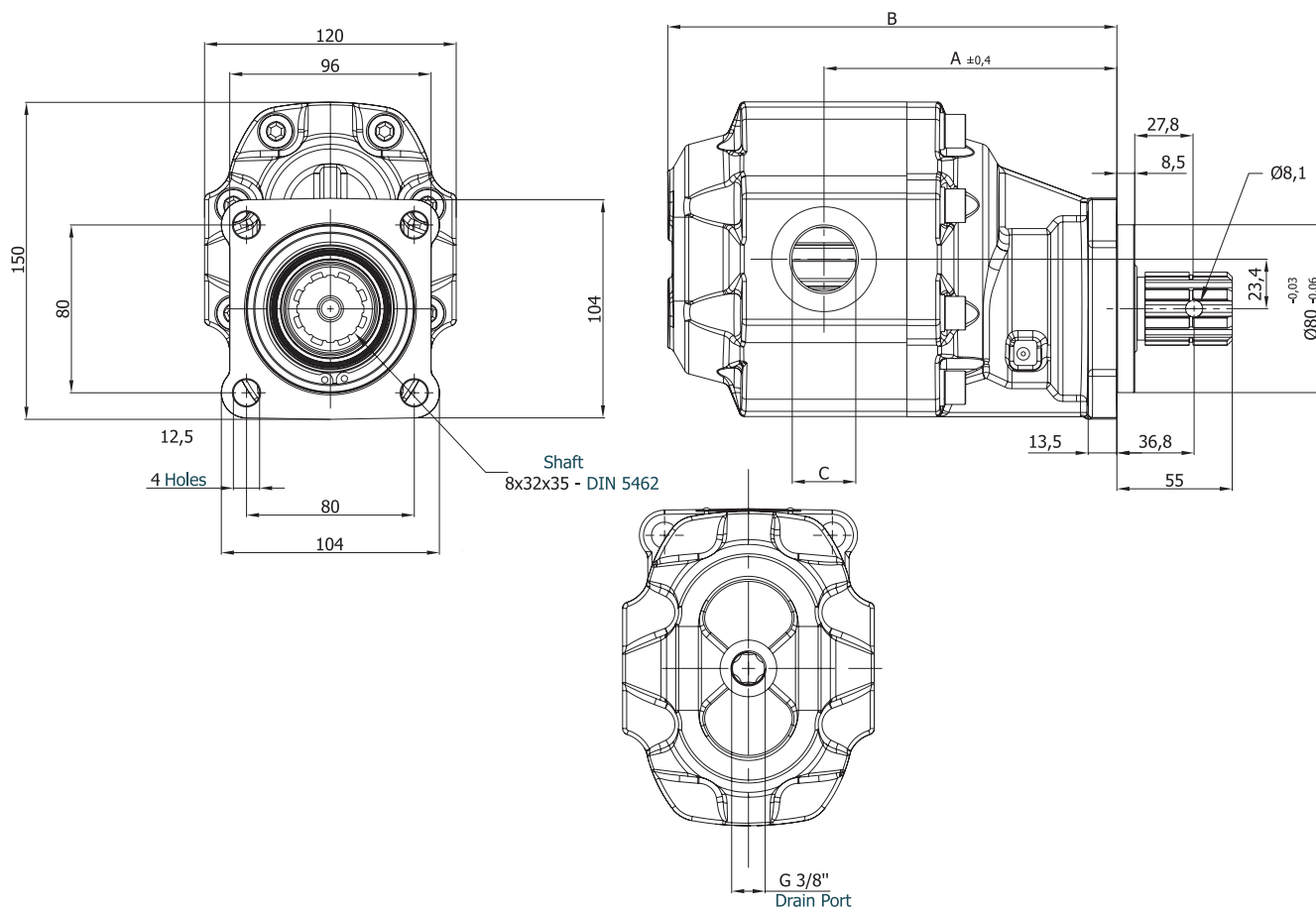
ORDERING CODE OF GROUP30 MOTORS

APM30 . 340 . R A B 02 E G O N	
Motor Type APM30 Aluminium Body Gear Motor	Outboard Bearing O Available Absent
Displacement cm ³ /rev 170 = 17 cm ³ /rev 220 = 22 cm ³ /rev 270 = 27 cm ³ /rev 320 = 32 cm ³ /rev 340 = 34 cm ³ /rev 380 = 38 cm ³ /rev 430 = 43 cm ³ /rev 470 = 47 cm ³ /rev 510 = 51 cm ³ /rev 560 = 56 cm ³ /rev	Seal N NBR V Viton
Rotation A = Counter-clockwise C = Clockwise R = Reversible	Drain Line G G1/4" U 7/16-20 UNF M M12x1,5
Front Cover A Square flange Ø50,78 mm D 2 Bolts SAEJ 744 101-2B Ø101,6 mm G Square flange Ø105 mm H 2 Bolts SAE 'A' Ø82,55 mm K 2 Bolts SAE 'B' Ø101,6 mm L Square flange Ø60,3 mm S 3 Bolts UNI Type Ø52 mm M Square flange Ø60 mm N SAE 4 Bolts Ø127 mm	Rear Cover S Standard E Rear Port R1 Relief Valve (10-90 Bar) R2 Relief Valve (70-140 Bar) R3 Relief Valve (120-190 Bar) D Flow Divider Valve H Flow Control Valve With Relief Valve L Load Sensing Valve T Check Valve P Rear Inlet-Outlet C Flow Control Valve Pressure Compensated
Drive Shaft A Tapered key shaft 1:5 B Tapered key shaft 1:8 C SAE spline shaft 13T D SAE spline shaft 15T H Parallel shaft K Tapered key shaft 1:8 M SAE spline shaft J498B 13 T P Parallel shaft U DIN 5463 spline shaft 6T	Inlet and Outlet Ports 01 Rectangular 02 Diamond 03 SAE Square Flange Thread Metric 04 UN-2B thread 05 Pipe thread 06 SAE Square Flange Thread UNC

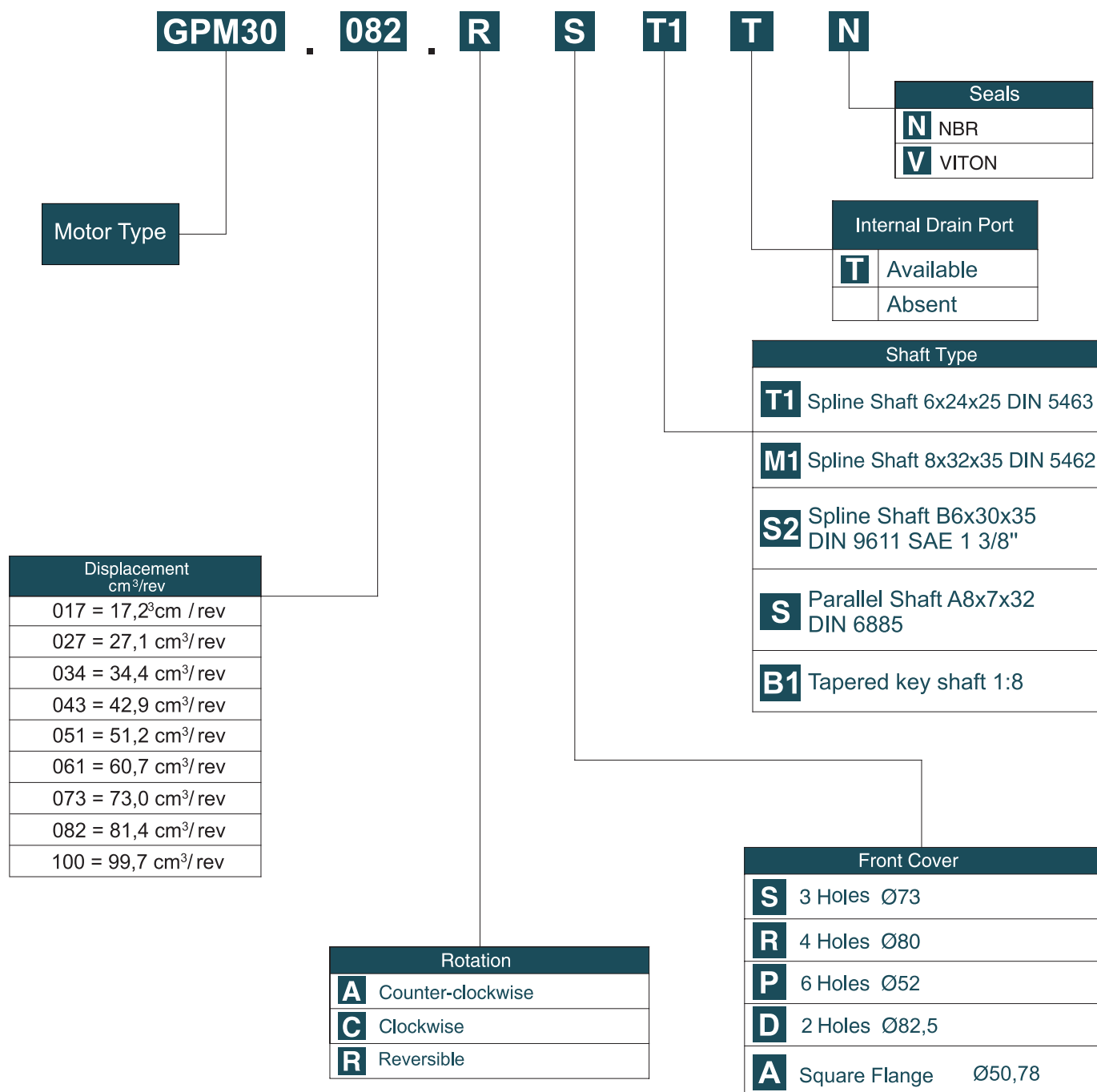
Code Example ; APM30.340.RAB02EGN



Motor Type	Displacement cm ³ /rev	Max. Pressure (bar)	Max. Speed rpm	A	B	Inlet	Outlet
						C	c
GPM30.017.RRM1N	17,2	300	3000	119,0	172,6	G 1/2"	G 1/2"
GPM30.027.RRM1N	27,1	290		122,2	179,0		
GPM30.034.RRM1N	34,4	280	2750	124,5	183,6	G 3/4"	G 3/4"
GPM30.043.RRM1N	42,9	270	2500	127,4	189,4		
GPM30.051.RRM1N	51,2	240		129,5	193,5	G 1"	G 1"
GPM30.061.RRM1N	60,7	220	2000	133,2	201,0		
GPM30.073.RRM1N	73,0	200	1750	137,1	208,7	G 1-1/4"	G 1-1/4"
GPM30.082.RRM1N	81,4	190		140,0	214,5		
GPM30.100.RRM1N	99,7	180		145,8	226,1		



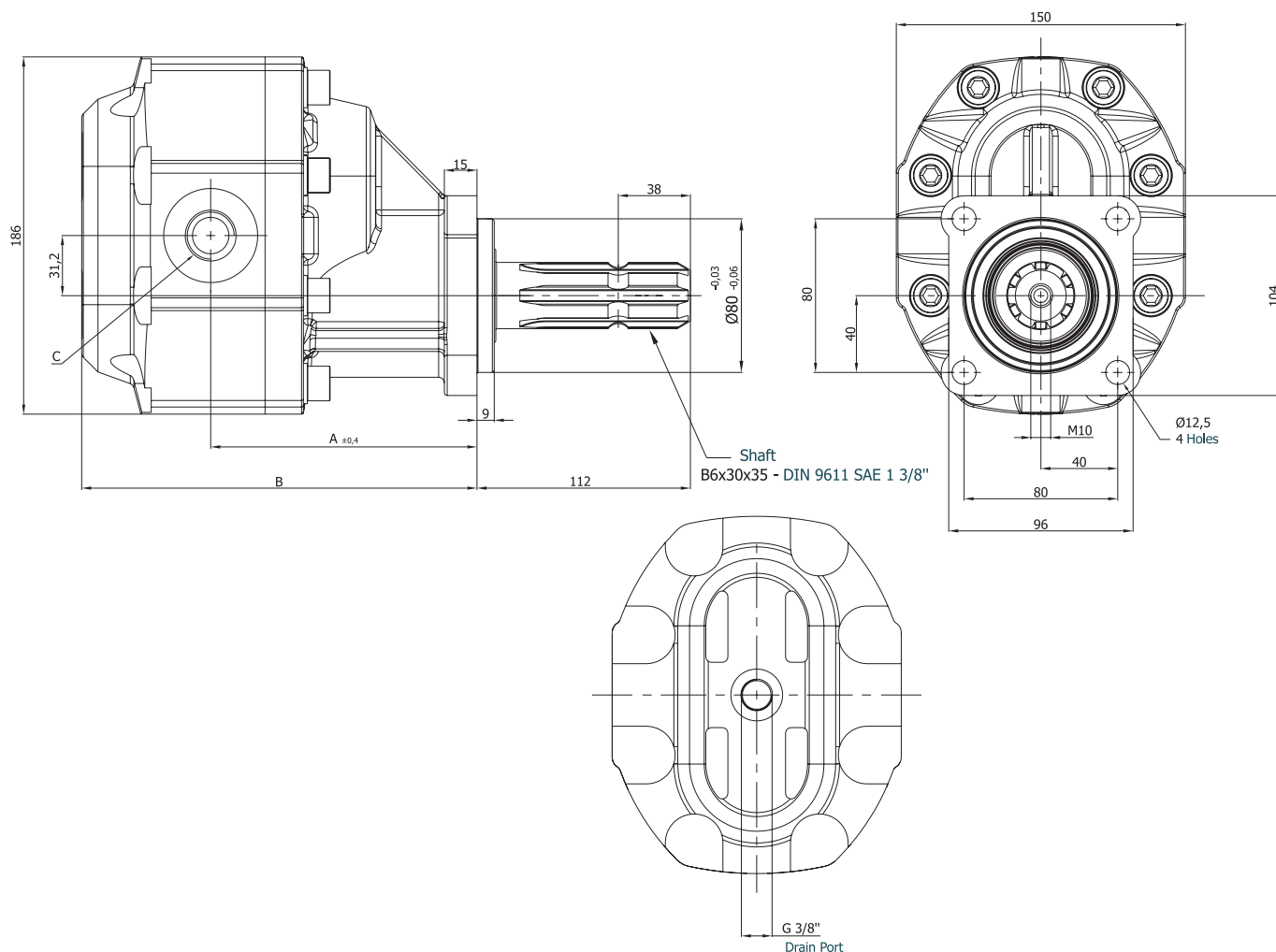
ORDERING CODE OF GPM30 MOTORS



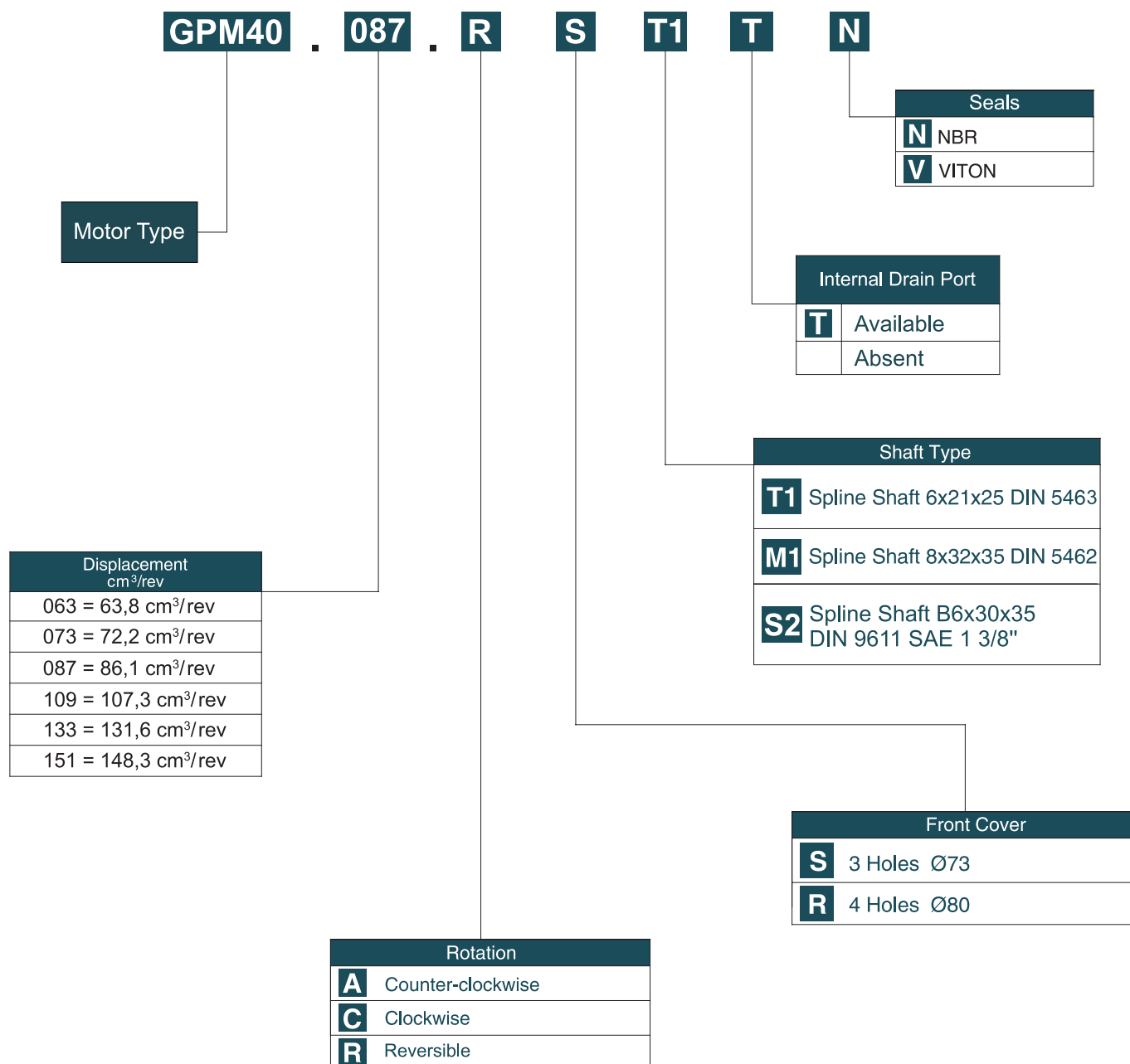
Code Example ; GPM30.082.RST1N



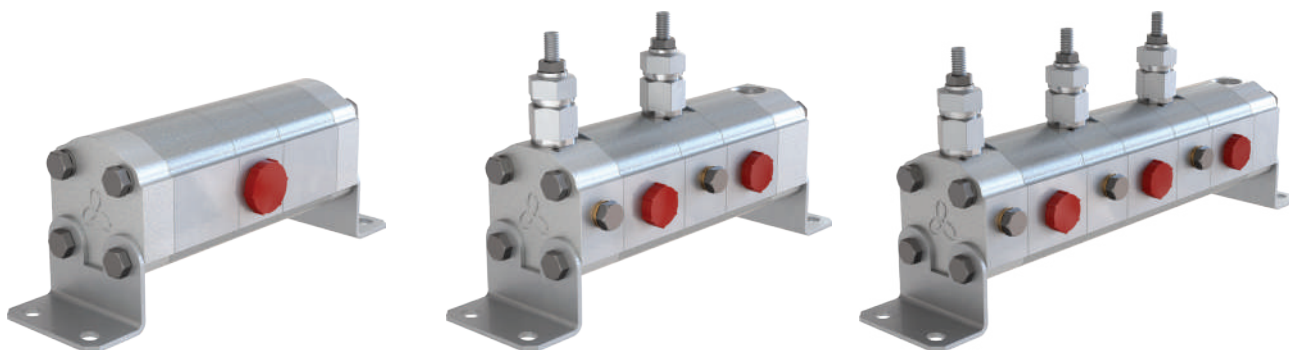
Motor Type	Displacement cm ³ /rev	Max. Pressure (bar)	Max. Speed rpm	A	B	Inlet	Outlet
						C	c
GPM40.063.RRS2N	63,8	280	2750	136,3	203,0	G 1"	G 1"
GPM40.073.RRS2N	72,2			137,3	204,6		
GPM40.087.RRS2N	86,1	260		141,0	209,6	G 1-1/4"	G 1-1/4"
GPM40.109.RRS2N	107,3	240	2500	145,0	217,3		
GPM40.133.RRS2N	131,6	220		148,0	225,9		
GPM40.151.RRS2N	148,3	180		153,3	232,3		



ORDERING CODE OF GPM40 MOTORS

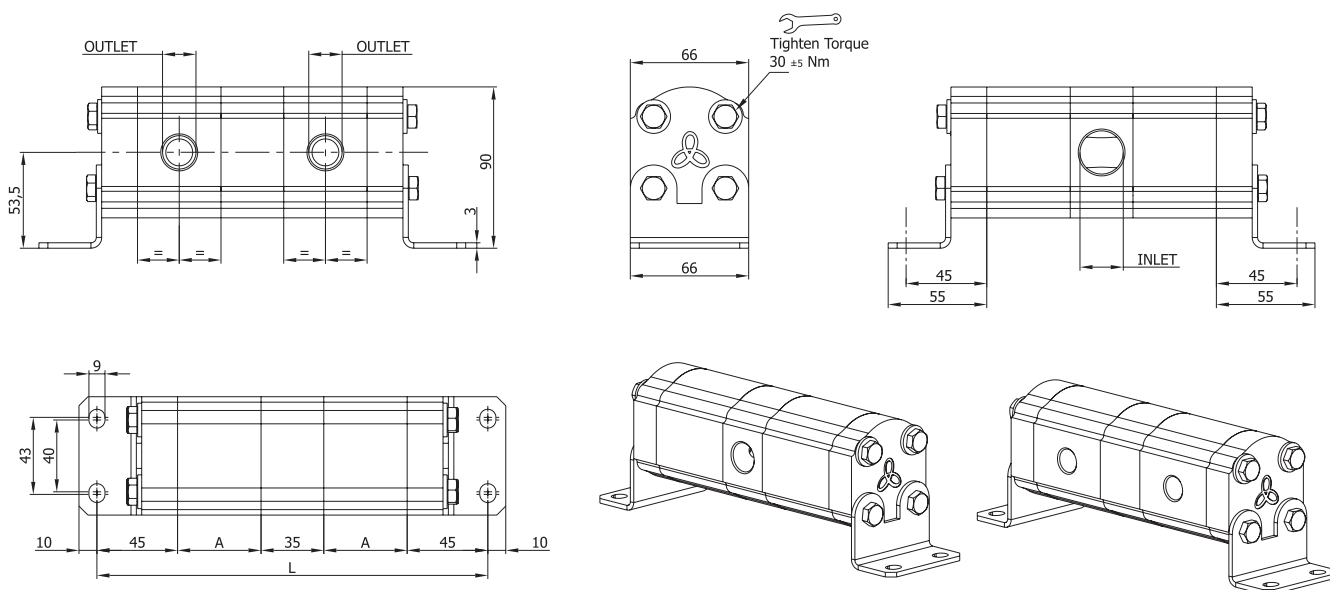


Code Example; GPM40.087.RST1N

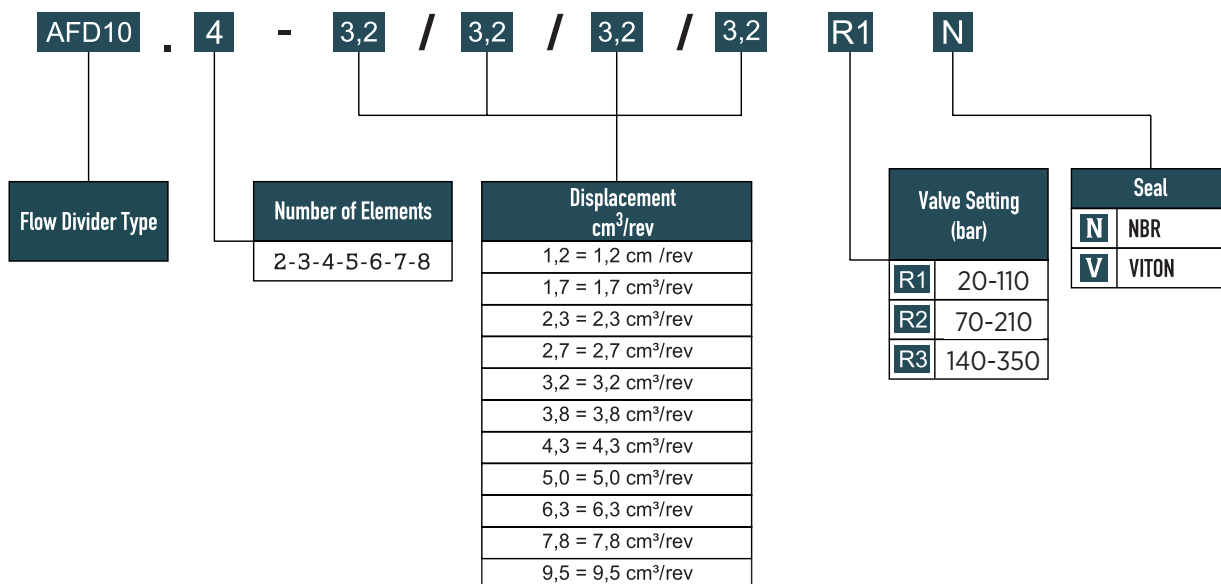


Type	cm ³ /rev	A	Inlet	Outlet	(L) Length						
					2	3	4	5	6	7	8
AFD10.X.1.2N	1,2	39	G 1/2"	G 3/8"	203,0	277,0	351,0	425,0	499,0	573,0	647,5
AFD10.X.1.7N	1,7	41			207,0	283,0	359,0	435,0	511,0	587,0	663,5
AFD10.X.2.3N	2,3	43			211,0	289,0	367,0	443,0	523,0	601,0	679,5
AFD10.X.2.7N	2,7	45			215,0	295,0	375,0	455,0	535,0	615,0	695,5
AFD10.X.3.2N	3,2	46,5			218,0	300,0	381,5	463,0	545,0	626,5	708,0
AFD10.X.3.8N	3,8	49			223,0	307,0	391,0	475,0	559,0	643,0	727,5
AFD10.X.4.3N	4,3	51			227,0	313,0	399,0	485,0	571,0	657,0	743,5
AFD10.X.5.0N	5,0	54			233,0	322,0	411,0	500,0	589,0	678,0	767,5
AFD10.X.6.3N	6,3	59			243,0	337,0	431,0	525,0	619,0	713,0	807,5
AFD10.X.7.8N	7,8	65			255,0	355,0	455,0	555,0	655,0	755,0	855,5
AFD10.X.9.5N	9,5	72			269,0	376,0	483,0	590,0	697,0	804,0	911,5

Number of Elements	2	3	4	5	6	7	8
Number of Inlets	1	1	2	2	3	3	4



ORDERING CODE OF GROUP 10 FLOW DIVIDERS



Code Example (Same displacement); AFD10.3-3,2N

Code Example (Different displacement); AFD10.3-3,2/2,7/2,3N

TECHNICAL DATA

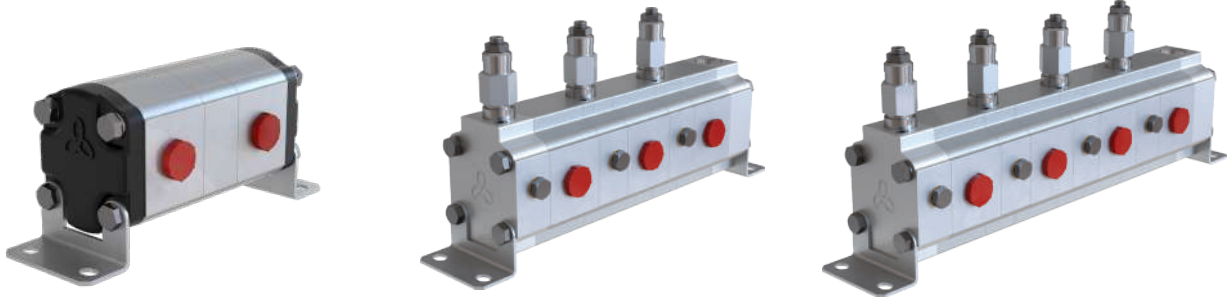
Type	Displacement	Max. Pressure		ΔP	Max. Speed	Min. Speed	Min. Flow Rate	Maks. Flow Rate
		P1	P3					
	cm³/dev	bar		bar	rpm		l/min	
AFD10.X.1,2N	1,2	220	280	40	3500	1200	1,5	4,2
AFD10.X.1,7N	1,7						2,0	6,0
AFD10.X.2,3N	2,3						2,8	8,0
AFD10.X.2,7N	2,7						3,2	9,5
AFD10.X.3,2N	3,2				3,8		10,8	
AFD10.X.3,8N	3,8				4,6		11,4	
AFD10.X.4,3N	4,3				5,2		12,9	
AFD10.X.5,0N	5,0				6,0		15,0	
AFD10.X.6,3N	6,3	7,6	18,9					
AFD10.X.7,8N	7,8	210	260	9,4	23,4			
AFD10.X.9,5N	9,5	200	240	11,4	28,5			

P1: Continuous pressure

P3 : Peak pressure

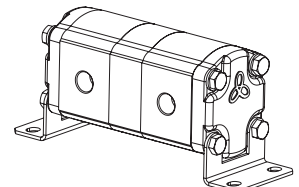
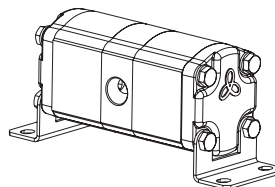
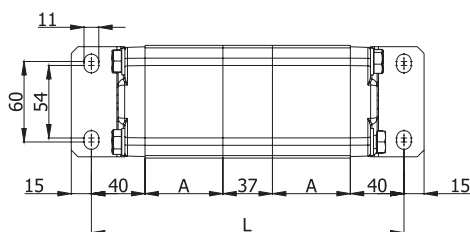
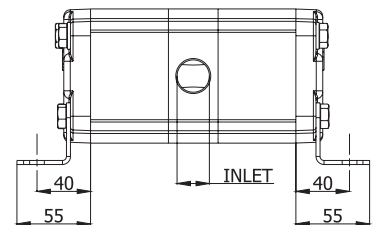
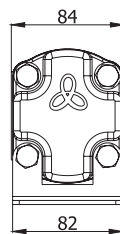
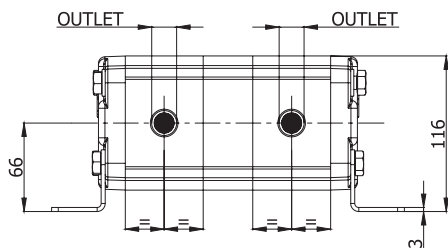
MAX. FLOW FOR INLET SECTION

37,5 lt/dk (l/min)

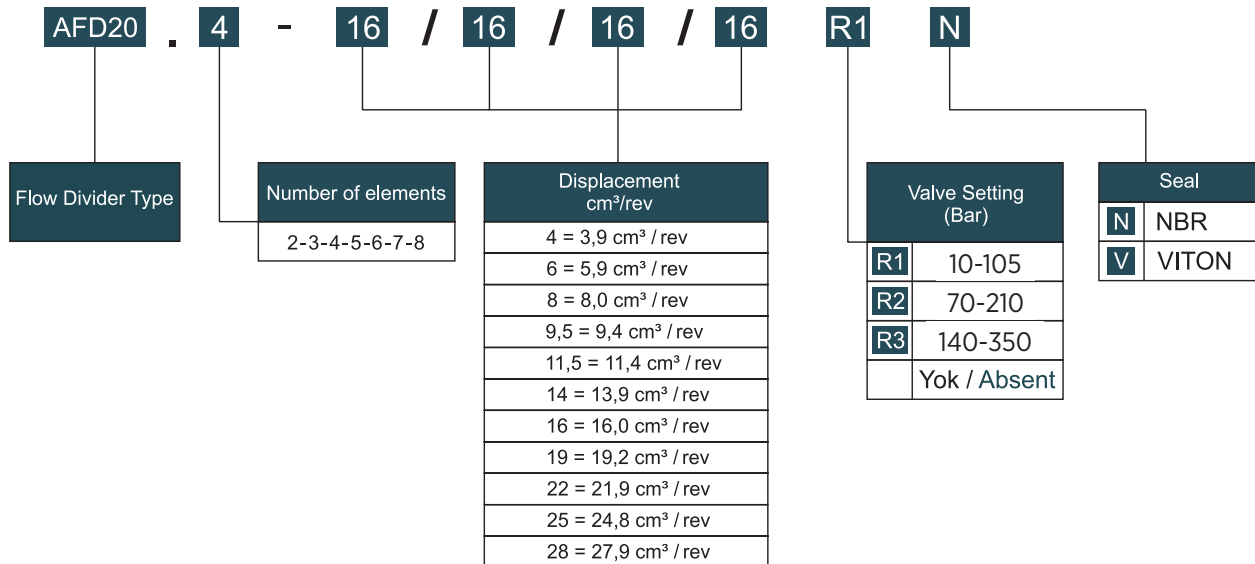


Tipi Type	cm ³ /rev	A	Giriş Inlet	Çıkış Outlet	(L) Boyu - Length						
					2	3	4	5	6	7	8
AFD20.X.4N	3,9	46,5	G 3/4"	G 1/2"	210,0	293,5	377,0	460,5	544,0	627,4	710,8
AFD20.X.6N	5,9	49,5			216,0	302,5	389,0	475,5	562,0	648,5	735,0
AFD20.X.8N	8,0	52,5			222,0	311,5	401,0	490,5	580,0	669,6	759,2
AFD20.X.9,5N	9,4	55,0			227,0	319,0	411,0	503,0	595,0	686,9	778,8
AFD20.X.11,5N	11,4	58,0			233,0	328,0	423,0	518,0	613,0	708,1	803,2
AFD20.X.14N	13,9	62,0			241,0	340,0	439,0	538,0	637,0	736,0	835,0
AFD20.X.16N	16,0	65,0			247,0	349,0	451,0	553,0	655,0	757,2	859,4
AFD20.X.19N	19,2	82,0			281,0	400,0	519,0	638,0	757,0	876,2	995,4
AFD20.X.22N	21,9	86,5			290,0	413,5	537,0	660,5	784,0	907,5	1031,0
AFD20.X.25N	24,8	91,6			300,0	429,0	557,5	686,0	815,0	943,6	1072,2
AFD20.X.28N	27,9	96,0			309,0	442,0	575,0	708,0	841,0	973,9	1106,9

Number of Elements	2	3	4	5	6	7	8
Number of Inlets	1	1	2	2	3	3	4



ORDERING CODE OF GROUP 20 FLOW DIVIDERS



Code Example (Same displacement) ; AFD20.3-16N

Code Example (Different displacement) ; AFD20.3-16/14/11,5N

TECHNICAL DATA

Type	Displacement	Max. Pressure		ΔP	Max. Speed	Min. Speed	Min. Flow Rate	Maks. Flow Rate
		P1	P3					
	cm³/rev	bar		bar	rpm		l/min	
AFD20.X.4N	3,9	250	280	50	3000	1250	4,8	11,2
AFD20.X.6N	5,9						7,3	16,8
AFD20.X.8N	8,0						10,0	22,8
AFD20.X.9,5N	9,4				2750	1200	11,2	24,6
AFD20.X.11,5N	11,4						13,8	29,8
AFD20.X.14N	13,9	230	260	40			16,6	36,3
AFD20.X.16N	16,0				19,2	38,0		
AFD20.X.19N	19,2				210	240	30	2000
AFD20.X.22N	21,9	190	220	25,2	47,8			
AFD20.X.25N	24,8	170	200	28,5	52,0			
AFD20.X.28N	27,9	160	190	32,0	54,7			

P1: Continuous pressure

P3 : Peak pressure

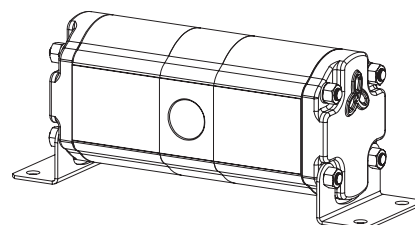
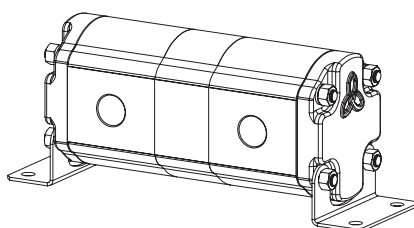
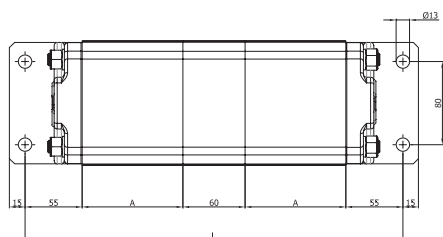
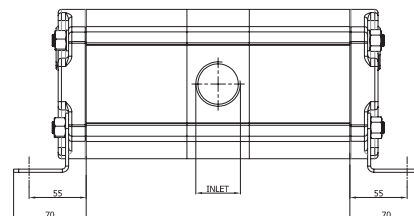
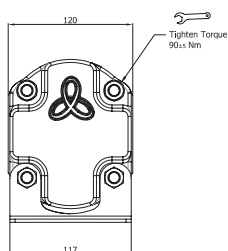
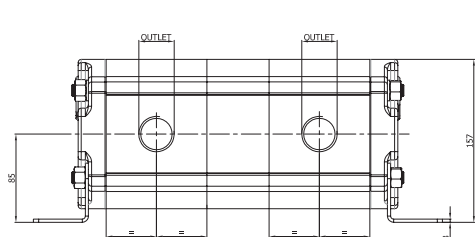
MAX. FLOW FOR INLET SECTION

80 lt/dk (l/min)

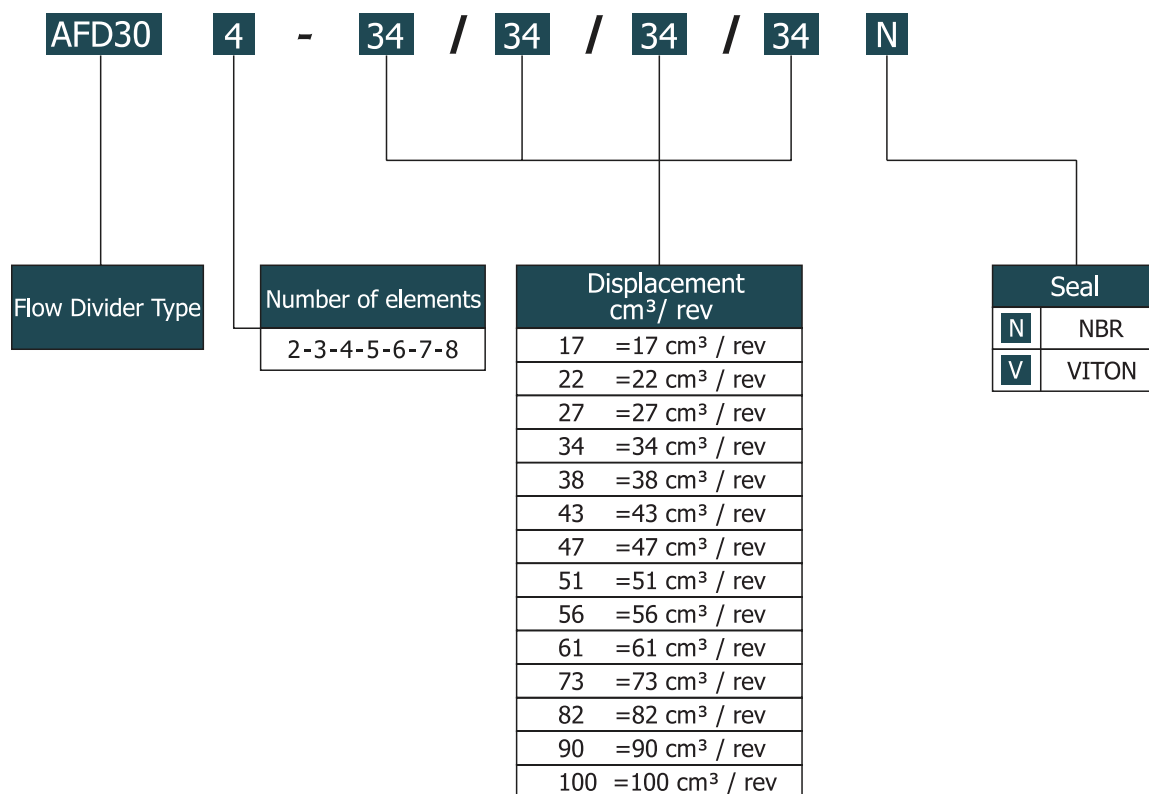


Type	Displacement cm ³ /rev	A	INLET	OUTLET	(L) Length						
					2	3	4	5	6	7	8
AFD30.X-17N	17	75,1	G 1"	G 3/4"	320,2	455,3	590,4	725,5	860,6	995,7	1130,8
AFD30.X-22N	22	79,1			328,2	467,3	606,4	745,5	884,6	1023,7	1162,8
AFD30.X-27N	27	82,1			334,2	476,3	618,4	760,5	902,6	1044,7	1186,8
AFD30.X-34N	34	86,1	G 1 1/4"	G 1"	342,2	488,3	634,4	780,5	926,6	1072,7	1218,8
AFD30.X-38N	38	89,1			348,2	497,3	646,4	795,5	944,6	1093,7	1242,8
AFD30.X-43N	43	92,1			354,2	506,3	658,4	810,5	962,6	1114,7	1266,8
AFD30.X-47N	47	95,1			360,2	515,3	670,4	825,5	980,6	1135,7	1290,8
AFD30.X-51N	51	97,1			364,2	521,3	678,4	835,5	992,6	1149,7	1306,8
AFD30.X-56N	56	99,1			368,2	527,3	686,4	845,5	1004,6	1163,7	1322,8
AFD30.X-61N	61	104,1			378,2	542,3	706,4	870,5	1034,6	1198,7	1362,8
AFD30.X-73N	73	111,1			392,2	563,3	734,4	905,5	1076,6	1247,7	1418,8
AFD30.X-82N	82	117,1		G 1 1/4"	404,2	581,3	758,4	935,5	1112,6	1289,7	1466,8
AFD30.X-90N	90	123,1			416,2	599,3	782,4	965,5	1148,6	1331,7	1514,8
AFD30.X-100N	100	129,1			428,2	617,3	806,4	995,5	1184,6	1373,7	1562,8

Number of elements	2	3	4	5	6	7	8
Number of inlets	1	1	2	2	3	3	4



ORDERING CODE OF GROUP 30 FLOW DIVIDERS



Code Example (Same displacement);AFD30.3-34N

Code Example (Different displacement);AFD30.3-34/27/22N

Type	Displacement cm3/rev	Max. presssure		ΔP (bar)	Max. Speed	Min. Speed	Min. Flow Rate l/min	Max. Flow Rate l/min	
		P1	P3		rpm				
AFD30.X-17N	17	250	280	60	3000	1100	18,7	51,0	
AFD30.X-22N	22						24,2	66,0	
AFD30.X-27N	27						29,7	81,0	
AFD30.X-34N	34	240	270				37,4	102,0	
AFD30.X-38N	38						41,8	114,0	
AFD30.X-43N	43						47,3	129,0	
AFD30.X-47N	47	230	260		2500	1000	47,0	117,5	
AFD30.X-51N	51						51,0	127,5	
AFD30.X-56N	56						56,0	140,0	
AFD30.X-61N	61	61,0	152,5						
AFD30.X-73N	73	170	200		2000	900	65,7	146,0	
AFD30.X-82N	82	160	190				73,8	164,0	
AFD30.X-90N	90	150	180				81,0	180,0	
AFD30.X-100N	100	140	170				90,0	200,0	

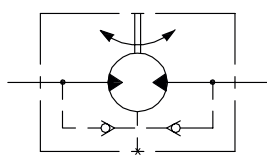
P1: Continuous pressure

P3 : Peak pressure

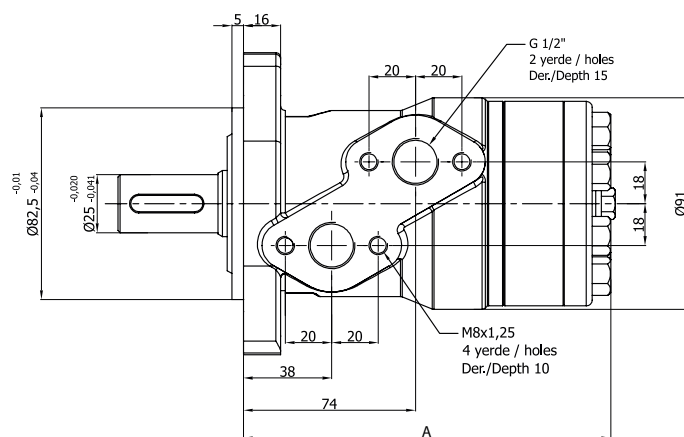
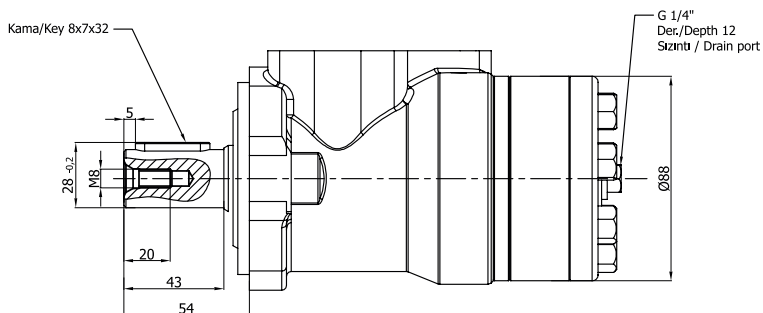
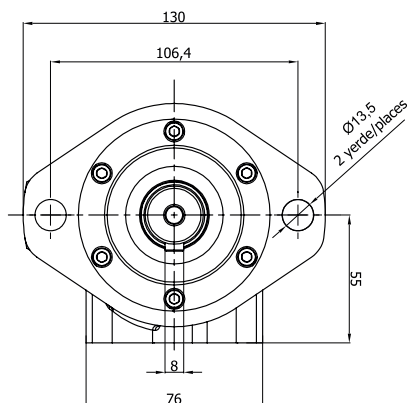
MAX. FLOW FOR EACH INLET SECTIONS	
G 1"	200 l/min
G 1 1/4"	360 l/min



Motor Type	Displacement (cm ³ /rev)	Max. Speed (rpm)	Max. Pressure (bar)	Max. Torque (Nm)	A	Weight (kg)
GMP.050.RDHG12EGN	52,9	755	140	98	143,5	5,6
GMP.080.RDHG12EGN	79,3	750	140	148	145	5,7
GMP.100.RDHG12EGN	98,2	610	140	183	147	5,9
GMP.125.RDHG12EGN	120,9	490	140	229	150	6,0
GMP.160.RDHG12EGN	158,7	375	140	295	155	6,2
GMP.200.RDHG12EGN	196,4	305	140	364	160	6,2
GMP.250.RDHG12EGN	241,8	245	110	370	166	6,6
GMP.315.RDHG12EGN	317,3	185	90	375	176	6,9
GMP.400.RDHG12EGN	392,9	150	70	360	186	7,4

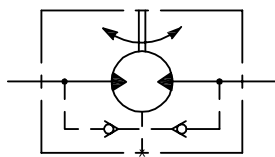


CIRCUIT DIAGRAM

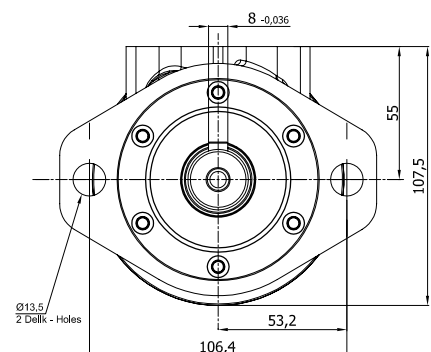
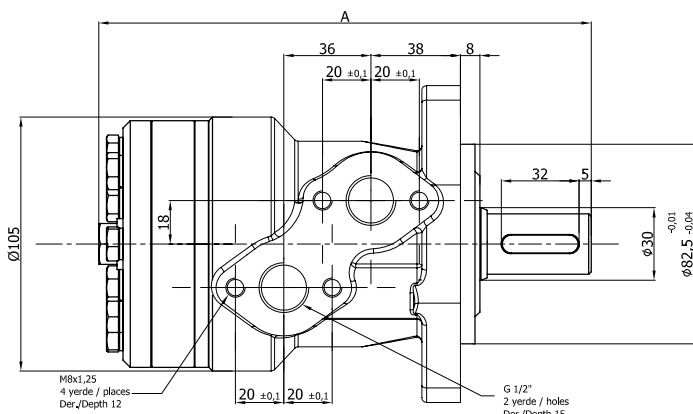
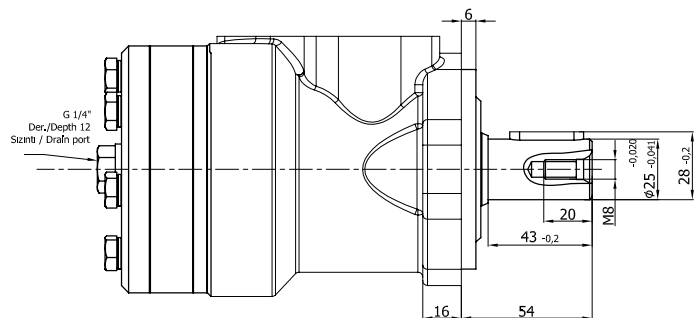




Motor Type	Displacement (cm ³ /rev)	Max. Speed (rpm)	Max. Pressure (bar)	Max. Torque (Nm)	A	Weight (kg)
GMR.032.RDHG12EGN	32,5	1230	100	40	142	6,2
GMR.050.RDHG12EGN	51,7	770	140	100	143	6,5
GMR.080.RDHG12EGN	80,5	745	140	155	148	6,9
GMR.100.RDHG12EGN	100,5	595	140	195	151,5	7,0
GMR.125.RDHG12EGN	126,3	475	140	240	156	7,3
GMR.160.RDHG12EGN	160,8	370	140	310	162	7,5
GMR.200.RDHG12EGN	200,9	295	140	370	169	8,0
GMR.250.RDHG12EGN	252,6	235	120	395	178	8,5
GMR.315.RDHG12EGN	321,5	185	100	415	190	9,0
GMR.400.RDHG12EGN	401,9	150	80	415	204	11,0

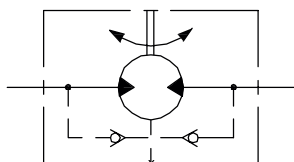


CIRCUIT DIAGRAM

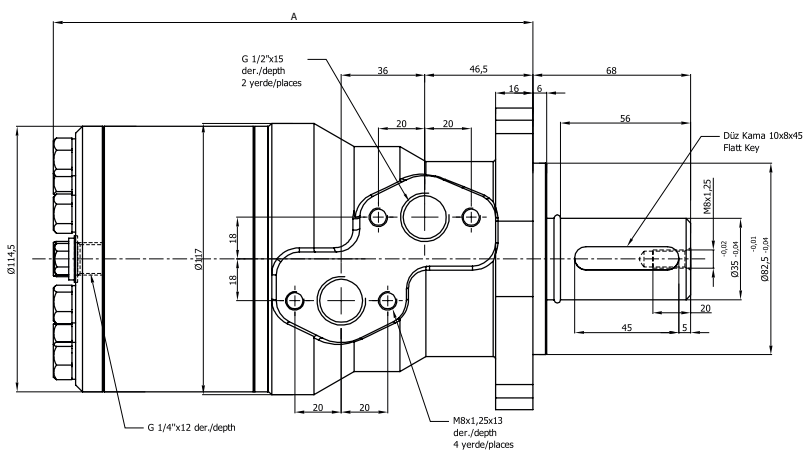
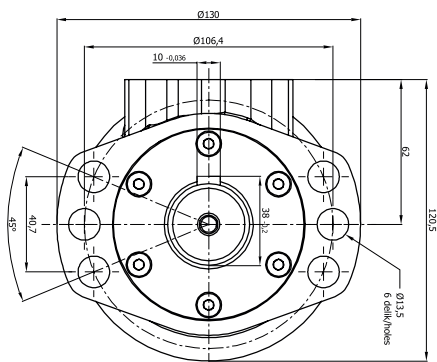




Motor Type	Displacement (cm3/rev)	Max. Speed (rpm)	Max. Pressure (bar)	Max. Torque (Nm)	A	Weight (kg)
GMH.200.RVLG12EGN	203,0	365	160	425	168	10,5
GMH.250.RVLG12EGN	253,7	295	160	530	175	11,0
GMH.315.RVLG12EGN	318,9	235	150	610	184	11,5
GMH.400.RVLG12EGN	405,9	180	140	825	196	12,5
GMH.500.RVLG12EGN	471,1	155	120	720	205	13,0

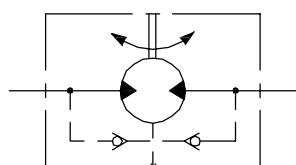


CIRCUIT DIAGRAM

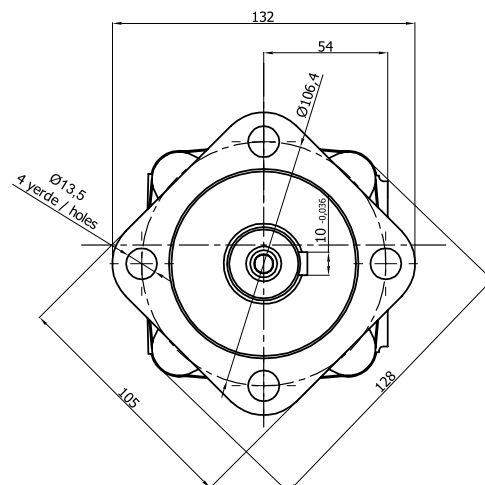
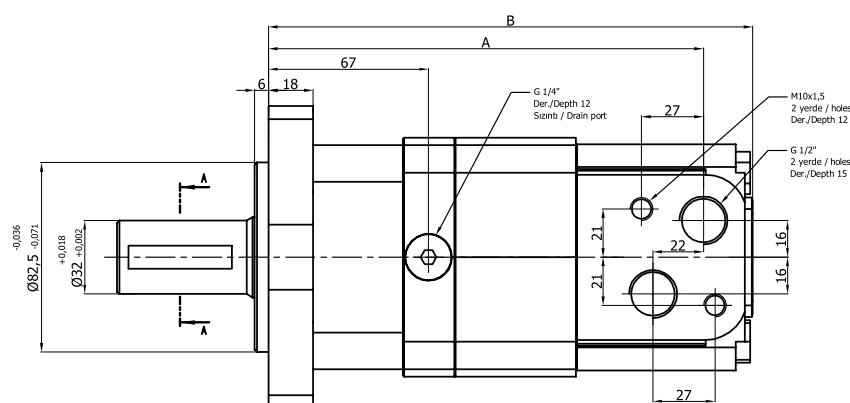
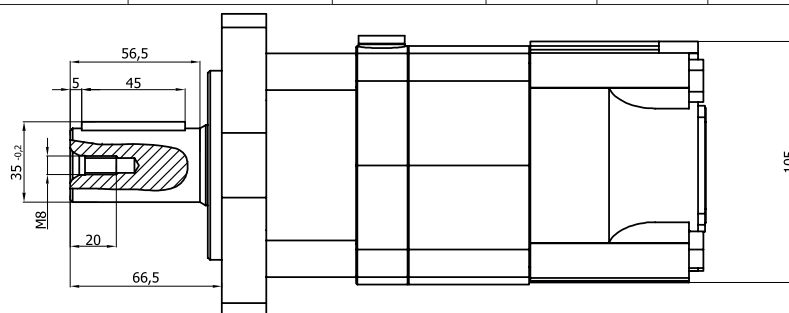




Motor Type	Displacement (cm3/rev)	Max. Speed (rpm)	Max. Pressure (bar)	Max. Torque (Nm)	A	B	Weight (kg)
GMS.080.RNPG12EGN	80,5	805	205	226	147,5	170,0	9,8
GMS.100.RNPG12EGN	100,5	745	205	282	151,0	173,5	10,0
GMS.125.RNPG12EGN	126,3	590	205	355	155,5	178,0	10,3
GMS.160.RNPG12EGN	160,8	465	205	451	161,5	184,0	10,7
GMS.200.RNPG12EGN	200,9	370	205	564	168,5	191,0	11,1
GMS.250.RNPG12EGN	252,6	295	200	684	177,5	200,0	11,6
GMS.315.RNPG12EGN	321,5	230	200	870	189,5	212,0	12,3
GMS.400.RNPG12EGN	401,9	185	155	813	203,5	226,0	13,2
GMS.500.RNPG12EGN	476,5	155	120	728	216,5	239,0	14,3

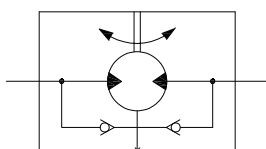


CIRCUIT DIAGRAM

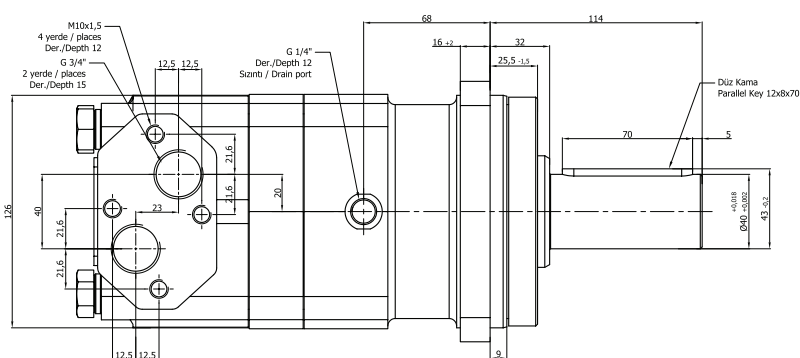
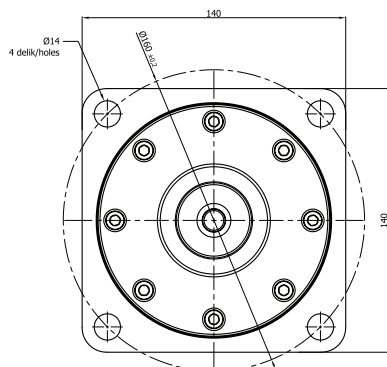
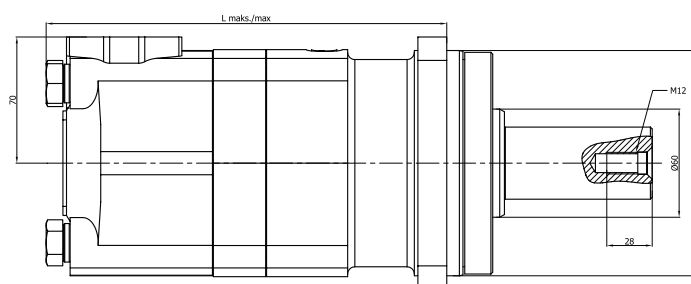




Motor Type	Displacement (cm3/rev)	Max. Speed (rpm)	Max. Pressure (bar)	Max. Torque (Nm)	A	Weight (kg)
GMT.160.RNIH1G34EGN	158,8	625	240	559	205,5	20,3
GMT.200.RNIH1G34EGN	200,8	495	240	714	210,0	20,8
GMT.250.RNIH1G34EGN	252,2	395	240	883	215,5	21,4
GMT.315.RNIH1G34EGN	317,5	310	230	1095	222,5	22,4
GMT.400.RNIH1G34EGN	401,6	245	210	1255	231,5	23,0
GMT.500.RNIH1G34EGN	535,3	185	180	1377	250,0	24,0



CIRCUIT DIAGRAM



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