



Gear Pump groupe 02

TABLE DE MATIERE CONTENT TABLE

Table de matière/ Content table.....	2
Informations générale/ General informations.....	3
Applications/Applications.....	4
Code de commande/Ordering code.....	5
Type: HM2-3333-C/A.....	6
Type: HM2-3311-C/A.....	7
Type: HM2-3133-C/A-DBV.....	8
Type: HM2-A722-C/A.....	9
Type: HM2-D422-C/A.....	10
Type: HM2-1522-C/A.....	11

INFORMATIONS GÉNÉRALE GENERAL INFORMATION

Déscription générale

Les pompes hydrauliques à engrenages convertissent l'énergie mécanique du moteur en énergie du fluide de fonctionnement (pression et débit).

Leur construction simple et leur prix bas permettent leur application dans plusieurs systèmes hydrauliques.

Déscription et Utilisation

Nos pompes à engrenages HM sont classées en 5 tailles différentes. Il existe des pompes simples, doubles et multiples irréversible avec un volume géométrique constant. Nous pouvons également vous proposer des pompes bidirectionnelles.

La vitesse d'aspiration maximale du fluide de pompage est de 2,5 m/s. Dans ce cas, toutes les pompes ayant une pression d'entrée comprise entre -0,2 et 0,5 bar peuvent atteindre en permanence la pression de sortie indiquée dans le catalogue.

Sur demande, les pompes peuvent être équipées de régulateurs de pression ou de débit prioritaire.

Les pompes sont utilisées dans les systèmes hydrauliques, les centrales hydrauliques, les circuits des véhicules agricoles, les machines-outils, etc.

Caractéristiques

Pression nominale: 160-250 bar
Vitesse nominale: 700-3500 tr/mn
Cylindrée: 04-32 cm³

Note

Veuillez noter que la pression nominale et la vitesse nominale dépendent des cylindrées.

General Description

The gear pumps are designed for transforming the mechanical energy as energy of the working liquid (pressure and flow rate).

The simplified construction at relatively low cost allow their use in a wide range of hydraulic systems.

Description and use

Our gear pumps are classified in 05 dimensional groups. These are simple, double or multiple irreversible pumps, with constant geometrical volume. We can offer you bidirectional pumps, too.

The maximum velocity of the fluid to inlet ports has to be 2.5 m/s and in this case all the pumps can work continuously with an inlet pressure between -0.2 and 0.5 bar and the outlet pressure conforming to the catalogue.

According to the desire of the customer, the pumps can be equipped with pressure or priority flow regulators.

Our pumps used in hydraulic installation, power packs and for the hydrostatic circuits of agricultural machines, heavy duty machine, machine tool and others.

Characteristics

Rated pressure: 160-250 bar
Rated speed: 700-3500 tr/mn
Displacement: 04-32 cm³

Note

Please note that the rated pressure and the rated speed depends on the displacement.

APPLICATIONS APPLICATIONS

HYDRAULIC PUMP

HM2

INDUSTRIE/INDUSTRY



FORESTRIE/FORESTRY



CONSTRUCTION/CONSTRUCTION



CODE DE COMMANDE**ORDERING CODE**

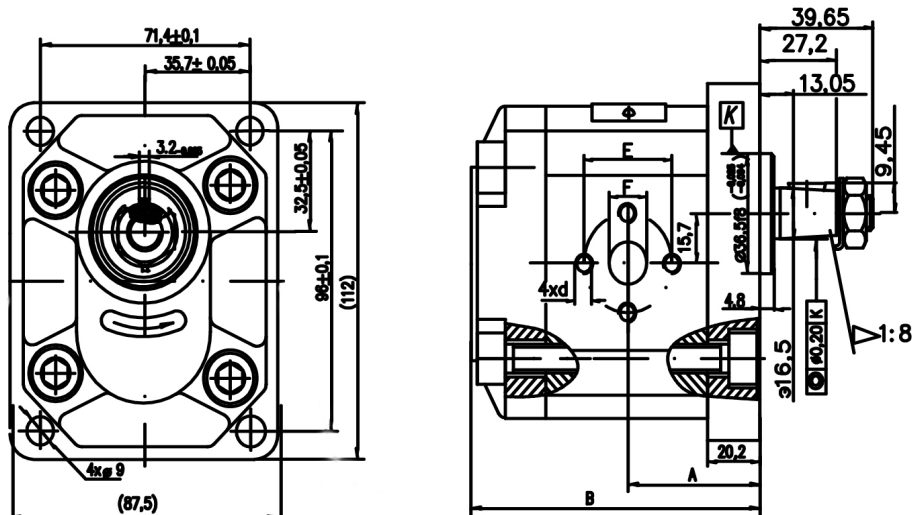
1	Groupe Group	2	Cylindrée Displacement	3	Arbre Shaft	4	Bride Flange	5	Orifices entrées/sorties Inlets/outlet ports	6	Rotation Rotation
HM2		cm³		3	conique 1:8 Conical 1:8	3	Européene (4xØ9) Europeen (4xØ9)	3	Européene Europeen	C	Droite Right
			4								
			5	A	Canelée 9T.16/32 Splined 9T.16/32	7	SAE A SAE A	1	Fileté BSP Threaded BSP	A	Gauche Left
			6								
			9			4	DIN 60x 60 DIN 60x 60	2	DIN DIN		
			10								
			11	D	conique 1:5 Conical 1:5	5	DIN 60x 60 DIN 60x 60				
			12								
			14	1	conique 1:5 Conical 1:5						
			15								
			16								
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	28										
	32										

HM2-3333-C/A

HM2-3333-C/A

HYDRAULIC PUMP

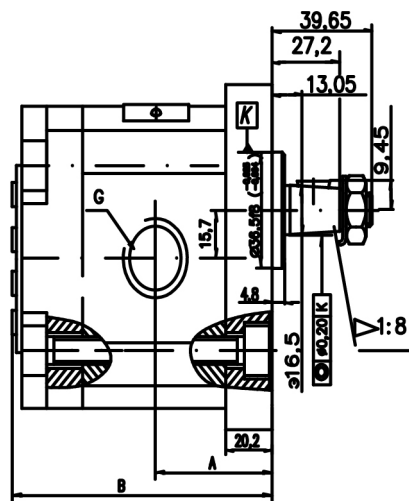
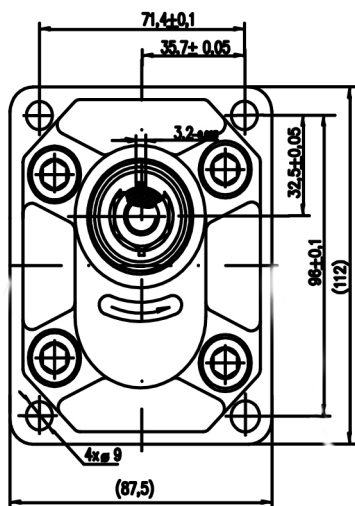
HM2



Cylindrée Displacement	Dimensions Dimensions								Données techniques Technical data	
	A	B	Orifices entrées Inlet ports			Orifices sorties Outlet ports			Pression nominale Nominale pressure	Vitesse Speed
			E	F	d	E	F	d		
	mm								bar	min-1
4	43.7	92.2	Ø30.2	Ø13.1	M6	Ø30.2	Ø13.1	M6	250	700..3500
5	44.5	93.7	Ø30.2	Ø13.1	M6	Ø30.2	Ø13.1	M6		
6	45.2	95.2	Ø30.2	Ø13.1	M6	Ø30.2	Ø13.1	M6		
9	47.2	99.2	Ø30.2	Ø13.1	M6	Ø30.2	Ø13.1	M6		
10	48.2	101.2	Ø39.7	Ø19	M8	Ø30.2	Ø14.2	M6		
11	49.2	103.2	Ø39.7	Ø19	M8	Ø30.2	Ø14.2	M6		
12	50.2	105.2	Ø39.7	Ø19	M8	Ø30.2	Ø14.2	M6		
14	52.2	109.2	Ø39.7	Ø19	M8	Ø30.2	Ø14.2	M6		
15	53	110.7	Ø39.7	Ø19	M8	Ø30.2	Ø14.2	M6		
16	53.7	112.2	Ø39.7	Ø19	M8	Ø30.2	Ø14.2	M6		
17	54.2	113.2	Ø39.7	Ø19	M8	Ø30.2	Ø14.2	M6		
19	56.2	117.2	Ø39.7	Ø19	M8	Ø30.2	Ø14.2	M6	200	700..2500
22	59.2	123.2	Ø39.7	Ø19	M8	Ø30.2	Ø14.2	M6		
25	61	126.2	Ø39.7	Ø19	M8	Ø30.2	Ø14.2	M6	160	700..2000
26	61.7	128.2	Ø39.7	Ø19	M8	Ø30.2	Ø14.2	M6		
28	68.7	137.7	Ø39.7	Ø19	M8	Ø39.7	Ø19	M8		
32	71.1	143.7	Ø39.7	Ø19	M8	Ø39.7	Ø19	M8		

HM2-3311-C/A

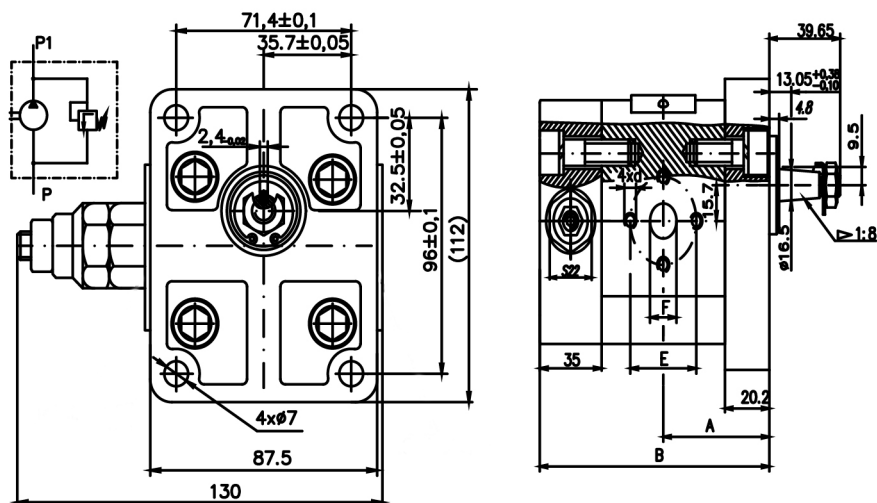
HM2-3311-C/A



Cylindrée Displacement	Dimensions Dimensions				Données techniques Technical data	
	A	B	Orifices entrées Inlet ports	Orifices sorties Outlet ports	Pression nominale Nominale pressure	Vitesse Speed
			G	G		
	mm		BSP		bar	min-1
4	43.7	92.2	G1/2"	G1/2"	250	700....3500
5	44.5	93.7	G1/2"	G1/2"		
6	45.2	95.2	G1/2"	G1/2"		
9	47.2	99.2	G1/2"	G1/2"		
10	48.2	101.2	G3/4"	G1/2"		
11	49.2	103.2	G3/4"	G1/2"		
12	50.2	105.2	G3/4"	G1/2"		
15	53	110.7	G3/4"	G1/2"		
16	53.7	112.2	G3/4"	G1/2"		
17	54.2	113.2	G3/4"	G1/2"		
19	56.2	117.2	G3/4"	G1/2"	200	700....3000
22	59.2	123.2	G3/4"	G1/2"		
25	61	126.2	G3/4"	G1/2"		
26	61.7	128.2	G3/4"	G1/2"	160	700....2000
28	68.7	137.7	G3/4"	G1/2"		
32	71.1	143.7	G3/4"	G1/2"		

HM2-3133-C/A-DBV

HM2-3133-C/A-DBV



Cylindrée Displacement	Dimensions Dimensions								Données techniques Technical data	
	A	B	Orifices entrées Inlet ports			Orifices sorties Outlet ports			Pression nominale Nominale pressure	Vitesse Speed
			E	F	d	E	F	d		
	mm								bar	min-1
4	43.7	92.2	Ø30.2	Ø13.1	M6	Ø30.2	Ø13.1	M6	250	700..3500
5	44.5	93.7	Ø30.2	Ø13.1	M6	Ø30.2	Ø13.1	M6		
6	45.2	95.2	Ø30.2	Ø13.1	M6	Ø30.2	Ø13.1	M6		
9	47.2	99.2	Ø30.2	Ø13.1	M6	Ø30.2	Ø13.1	M6		
10	48.2	101.2	Ø30.7	Ø19	M8	Ø30.2	Ø14.2	M6		
11	49.2	103.2	Ø30.7	Ø19	M8	Ø30.2	Ø14.2	M6		
12	50.2	105.2	Ø30.7	Ø19	M8	Ø30.2	Ø14.2	M6		
14	52.2	109.2	Ø30.7	Ø19	M8	Ø30.2	Ø14.2	M6		

HM2-A722-C/A

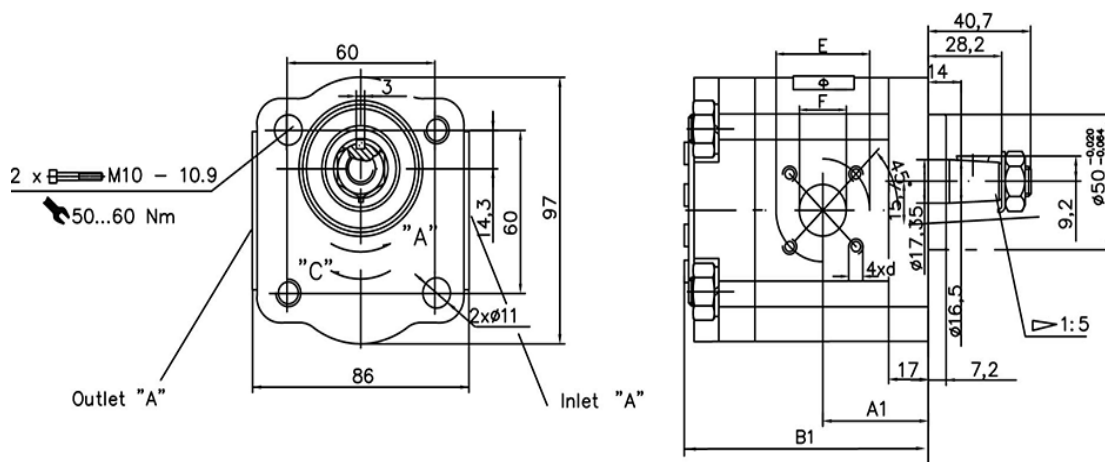


HM2

POMPE HYDRAULIQUE 02

HM2-D422-C/A

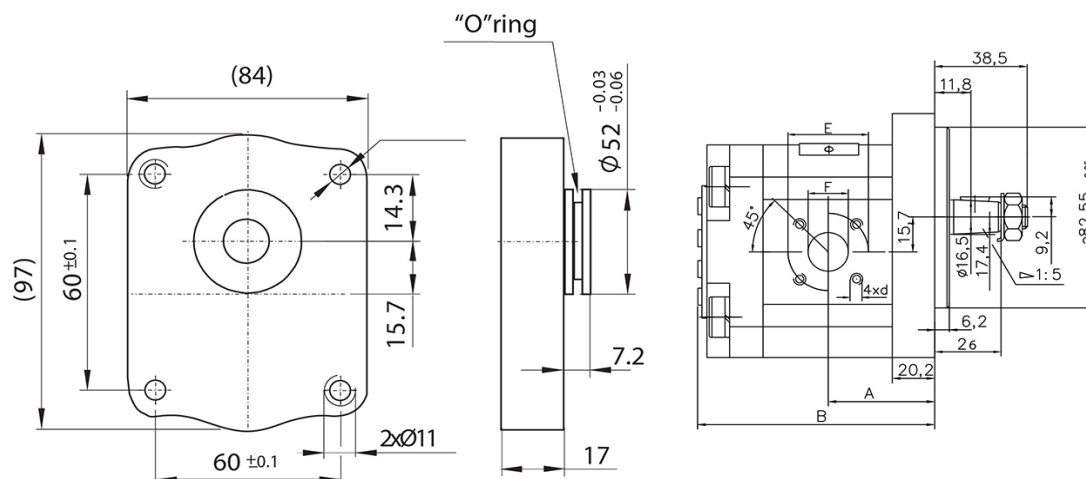
HM2-D422-C/A



Cylindrée Displacement	Dimensions Dimensions								Données techniques Technical data	
	A1	B1	Orifices entrées Inlet ports			Orifices sorties Outlet ports			Pression nominale Nominale pressure	Vitesse Speed
			E	F	d	E	F	d		
	mm								bar	min-1
4	40.5	89	Ø40	Ø20	M6	Ø35	Ø15	M6	250	700..3500
5	41.3	90.5	Ø40	Ø20	M6	Ø35	Ø15	M6		
6	42	92	Ø40	Ø20	M6	Ø35	Ø15	M6		
9	44	96	Ø40	Ø20	M6	Ø35	Ø15	M6		
10	45	98	Ø40	Ø20	M6	Ø35	Ø15	M6		
11	46	100	Ø40	Ø20	M6	Ø35	Ø15	M6		
12	47	102	Ø40	Ø20	M6	Ø35	Ø15	M6		
14	49	106	Ø40	Ø20	M6	Ø35	Ø15	M6		
15	50	107.5	Ø40	Ø20	M6	Ø35	Ø15	M6		
16	50.5	109	Ø40	Ø20	M6	Ø35	Ø15	M6		
17	51	110	Ø40	Ø20	M6	Ø35	Ø15	M6	200	700..2500
19	53	114	Ø40	Ø20	M6	Ø35	Ø15	M6		
22	56	120	Ø40	Ø20	M6	Ø35	Ø15	M6		
25	58	123.5	Ø40	Ø20	M6	Ø35	Ø15	M6		
26	58.5	125	Ø40	Ø20	M6	Ø35	Ø15	M6	160	700..2000

HM2-1522-C/A

HM2-1522-C/A



Cylindrée Displacement	Dimensions Dimensions								Données techniques Technical data	
	A	B	Orifices entrées Inlet ports			Orifices sorties Outlet ports			Pression nominale Nominale pressure	Vitesse Speed
			E	F	d	E	F	d		
	mm								bar	min-1
4	43.7	92.2	Ø40	Ø20	M6	Ø35	Ø15	M6	250	700..3500
5	44.5	93.7	Ø40	Ø20	M6	Ø35	Ø15	M6		
6	45.2	95.2	Ø40	Ø20	M6	Ø35	Ø15	M6		
9	47.2	99.2	Ø40	Ø20	M6	Ø35	Ø15	M6		
10	48.2	101.2	Ø40	Ø20	M6	Ø35	Ø15	M6		
11	49.2	103.2	Ø40	Ø20	M6	Ø35	Ø15	M6		
12	50.2	105.2	Ø40	Ø20	M6	Ø35	Ø15	M6		
14	52.2	109.2	Ø40	Ø20	M6	Ø35	Ø15	M6		
15	53	110.7	Ø40	Ø20	M6	Ø35	Ø15	M6		
16	53.7	112.2	Ø40	Ø20	M6	Ø35	Ø15	M6		
17	54.2	113.2	Ø40	Ø20	M6	Ø35	Ø15	M6	200	700..2500
19	56.2	117.2	Ø40	Ø20	M6	Ø35	Ø15	M6		
22	59.2	123.2	Ø40	Ø20	M6	Ø35	Ø15	M6		
25	61	126.2	Ø40	Ø20	M6	Ø35	Ø15	M6	160	700..2000
26	61.7	128.2	Ø40	Ø20	M6	Ø35	Ø15	M6		

NOTE
NOTE