

Part number:

HYDROMA

HYDRAULICKÉ SYSTÉMY

**HIDROMA
SISTEMS**

UKŁADY HYDRAULICZNE

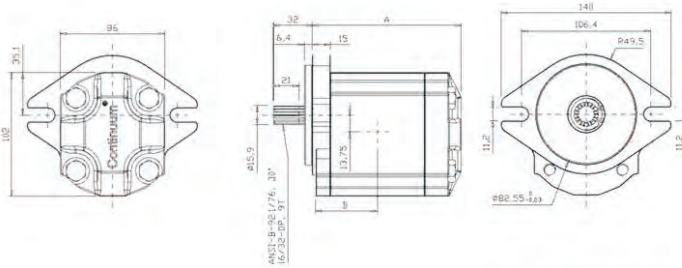
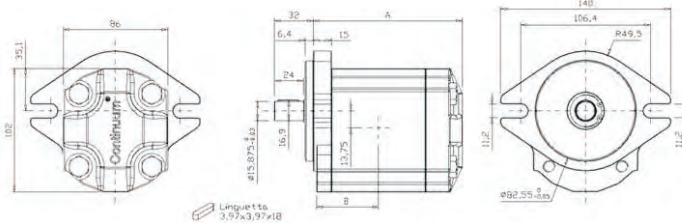
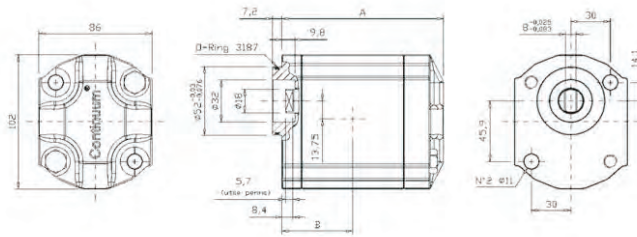
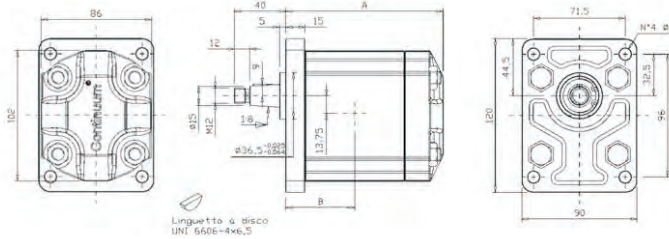
HYDROMA

ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

Continuum® Product Line

Dimensional drawing - GR33

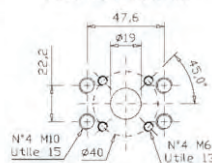
Shaft types & dimensions



TYPE G / TIPO G



TYPE M / TIPO M



Disegni dimensionali GR33

Tipo albero e dimensioni

Type I Tipo 2-C4

Type	CC	L/min	Dim A	Dim B	Cont Press	Interm Press (*)	Peak Press Press. Picco (*)	Noise Level Livello Rumore
10	10,1	14,5	122,6	53,8	275	280	300	55
13	12,6	18,1	127,5	56,25	265	270	290	55
15	15,2	21,8	132,5	58,75	241	250	270	55
18	18,2	26,1	138,3	61,65	206	250	270	55

Type I Tipo 2BK-G54

Type	CC	L/min	Dim A	Dim B	Cont Press	Interm Press (*)	Peak Press Press. Picco (*)	Noise Level Livello Rumore
10	10,1	14,5	122,6	53,8	275	280	300	55
13	12,6	18,1	127,5	56,25	265	270	290	55
15	15,2	21,8	132,5	58,75	241	250	270	55
18	18,2	26,1	138,3	61,65	206	250	270	55

Type I Tipo SAEA-AC

Type	CC	L/min	Dim A	Dim B	Cont Press	Interm Press (*)	Peak Press Press. Picco (*)	Noise Level Livello Rumore
10	10,1	14,5	122,6	53,8	275	280	300	55
13	12,6	18,1	127,5	56,25	265	270	290	55
15	15,2	21,8	132,5	58,75	241	250	270	55
18	18,2	26,1	138,3	61,65	206	250	270	55

Type I Tipo SAEA-T9

Type	CC	L/min	Dim A	Dim B	Cont Press	Interm Press (*)	Peak Press Press. Picco (*)	Noise Level Livello Rumore
10	10,1	14,5	122,6	53,8	275	280	300	55
13	12,6	18,1	127,5	56,25	265	270	290	55
15	15,2	21,8	132,5	58,75	241	250	270	55
18	18,2	26,1	138,3	61,65	206	250	270	55

Available ports

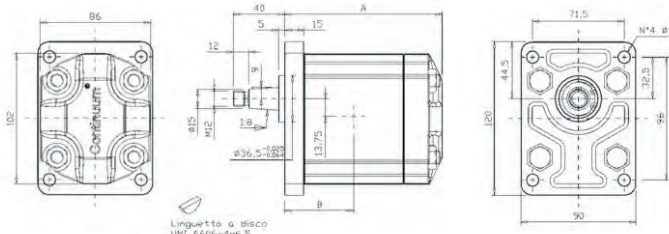
Porte disponibili

(*) Intermittent: cycle 20 sec. ON & 3 sec. OFF - Peak: cycle 1 sec. ON & 3 sec. OFF
Intermittente: ciclo 20 sec. ON & 3 sec. OFF - Picco: ciclo 1 sec. ON & 3 sec. OFF

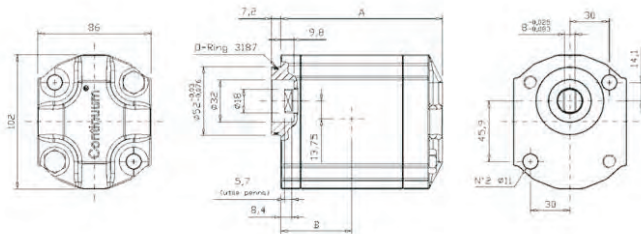
Continuum® Product Line

Dimensional drawing - GR33

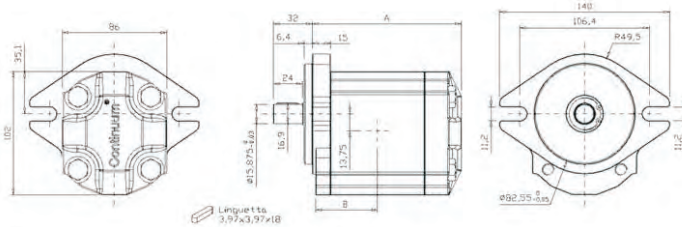
Shaft types & dimensions



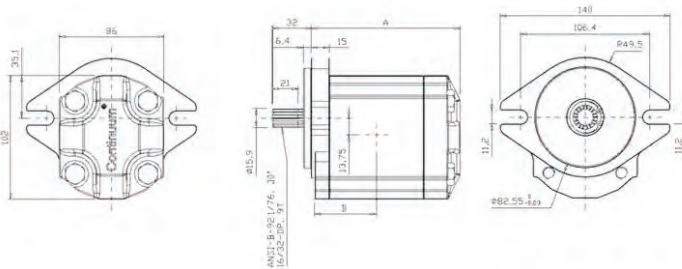
Linguetta o disco
UNI 6606-4x6,5



5,7
(fusta paron)



Linguetta 11a
3,97x3,97x18

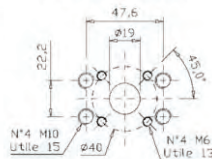


Linguetta 11a
3,97x3,97x18

TYPE G / TIPO G



TYPE M / TIPO M



Disegni dimensionali GR33

Tipo albero e dimensioni

Type / Tipo 2-C4

Type	CC	L/min	Dim A	Dim B	Cont Press	Interm Press (*)	Peak Press Press. Picco (*)	Noise Level Livello Rumore
10	10,1	14,5	122,6	53,8	275	280	300	55
13	12,6	18,1	127,5	56,25	265	270	290	55
15	15,2	21,8	132,5	58,75	241	250	270	55
18	18,2	26,1	138,3	61,65	206	250	270	55

Type / Tipo 2BK-G54

Type	CC	L/min	Dim A	Dim B	Cont Press	Interm Press (*)	Peak Press Press. Picco (*)	Noise Level Livello Rumore
10	10,1	14,5	122,6	53,8	275	280	300	55
13	12,6	18,1	127,5	56,25	265	270	290	55
15	15,2	21,8	132,5	58,75	241	250	270	55
18	18,2	26,1	138,3	61,65	206	250	270	55

Type / Tipo SAEA-AC

Type	CC	L/min	Dim A	Dim B	Cont Press	Interm Press (*)	Peak Press Press. Picco (*)	Noise Level Livello Rumore
10	10,1	14,5	122,6	53,8	275	280	300	55
13	12,6	18,1	127,5	56,25	265	270	290	55
15	15,2	21,8	132,5	58,75	241	250	270	55
18	18,2	26,1	138,3	61,65	206	250	270	55

Type / Tipo SAEA-T9

Type	CC	L/min	Dim A	Dim B	Cont Press	Interm Press (*)	Peak Press Press. Picco (*)	Noise Level Livello Rumore
10	10,1	14,5	122,6	53,8	275	280	300	55
13	12,6	18,1	127,5	56,25	265	270	290	55
15	15,2	21,8	132,5	58,75	241	250	270	55
18	18,2	26,1	138,3	61,65	206	250	270	55

Available ports

Porte disponibili

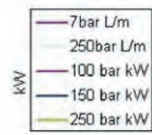
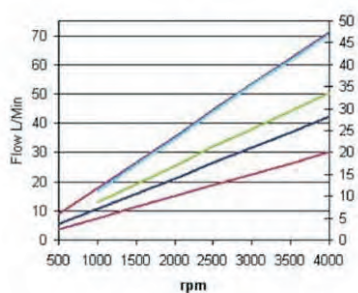
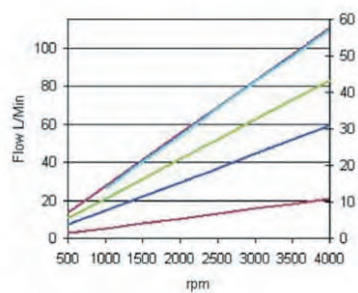
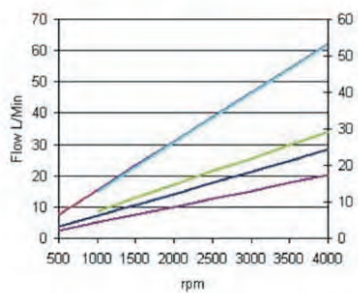
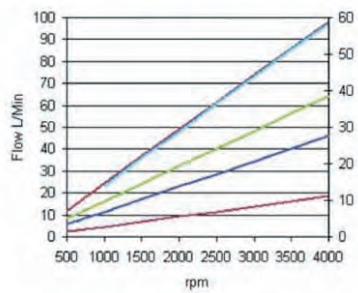
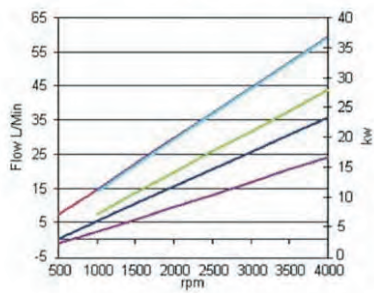
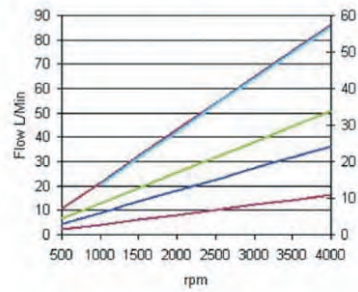
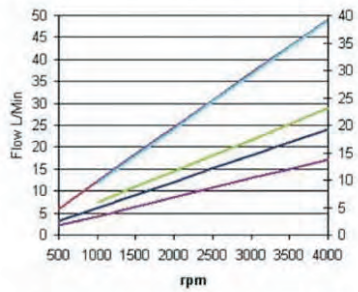
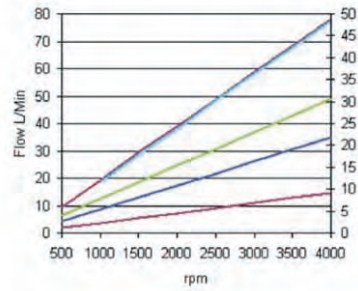
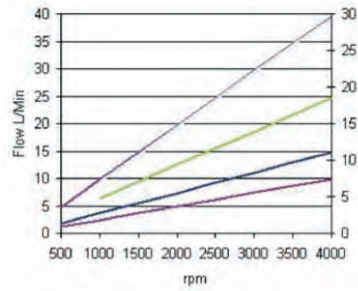
(*) Intermittent: cycle 20 sec. ON & 3 sec. OFF - Peak: cycle 1 sec. ON & 3 sec. OFF
Intermittente: ciclo 20 sec. ON & 3 sec. OFF - Picco: ciclo 1 sec. ON & 3 sec. OFF

Continuum® Product Line

PUMP PERFORMANCE CURVES For Group 2

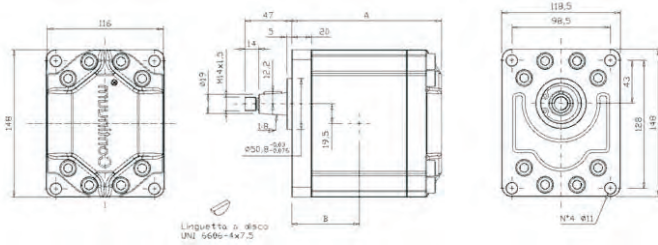
GROUP 2 Displacement CC/Rev

CURVE PRESTAZIONI POMPE per Gruppo 2



Dimensional drawing - GR47

Shaft types & dimensions

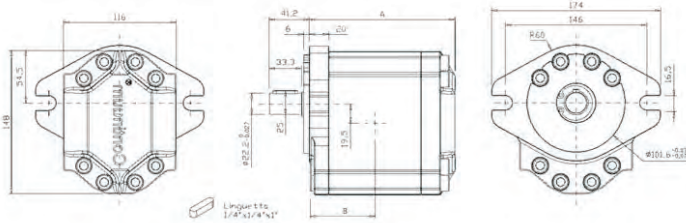


Disegni dimensionali - GR47

Tipo albero e dimensioni

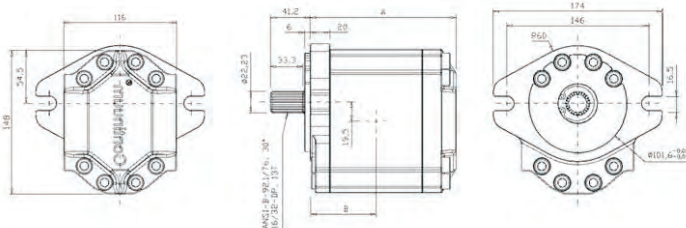
Type / Tipo 3-C9

Type Tipo	CC	L/min	Dim A	Dim B	Cont Press	Interm Press (*)	Peak Press Press. Picco (*)	Noise Level Livello Rumore
28	28	40,3	150,1	67,55	270	280	300	57
32	32,2	46,3	154,1	69,55	252	270	280	57
36	36,3	52,3	158,1	71,55	239	250	270	57
40	40,5	58,3	162,1	73,55	225	250	270	57
45	45,1	65,0	166,6	75,8	213	250	270	57
50	50,3	72,4	171,6	78,3	202	250	270	57



Type / Tipo SAEB-AC

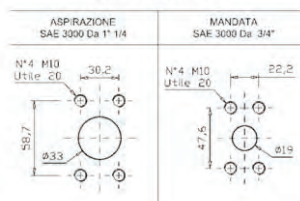
Type Tipo	CC	L/min	Dim A	Dim B	Cont Press	Interm Press (*)	Peak Press Press. Picco (*)	Noise Level Livello Rumore
28	28	40,3	150,1	67,55	270	280	300	57
32	32,2	46,3	154,1	69,55	252	270	280	57
36	36,3	52,3	158,1	71,55	239	250	270	57
40	40,5	58,3	162,1	73,55	225	250	270	57
45	45,1	65,0	166,6	75,8	213	250	270	57
50	50,3	72,4	171,6	78,3	202	250	270	57



Type / Tipo SAEB-T11

Type Tipo	CC	L/min	Dim A	Dim B	Cont Press	Interm Press (*)	Peak Press Press. Picco (*)	Noise Level Livello Rumore
28	28	40,3	150,1	67,55	270	280	300	57
32	32,2	46,3	154,1	69,55	252	270	280	57
36	36,3	52,3	158,1	71,55	239	250	270	57
40	40,5	58,3	162,1	73,55	225	250	270	57
45	45,1	65,0	166,6	75,8	213	250	270	57
50	50,3	72,4	171,6	78,3	202	250	270	57

TYPE O / TIPO O



Available ports
Porte disponibili

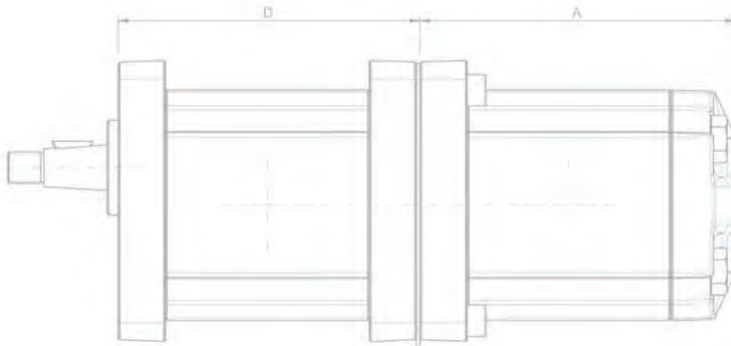
(*) Intermittent: cycle 20 sec. ON & 3 sec. OFF - Peak: cycle 1 sec. ON & 3 sec. OFF
Intermittente: ciclo 20 sec. ON & 3 sec. OFF - Picco: ciclo 1 sec. ON & 3 sec. OFF

Dimensional drawing Tandem Group 1 + 1

For unit dimensions please refer to GR28 dimensional drawings

Disegni dimensionali Tandem Gruppo 1+Gruppo 1

Per dimensionali delle singole pompe vedere sezioni precedenti



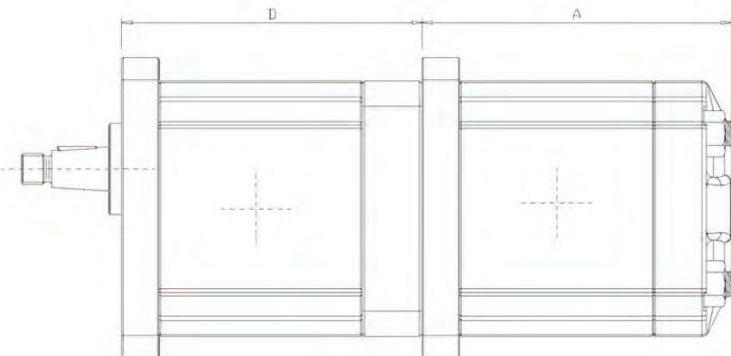
Front Pump 1° stadio	CC	Dim D	Cont Press	Interm Press (*)	Peak Press Press. Picco (*)	Noise Level Livello Rumore
GR28	4,2	90	275	280	300	55
	6,4	95,5	275	280	300	55
	8,3	100,5	246	260	280	55
	10,2	105,5	222	250	270	55
	12,9	112,4	176	230	250	55
GR28	4,2	95,6	275	280	300	55
	6,4	101,1	275	280	300	55
	8,3	106,1	230	240	270	55
	10,2	111,1	190	210	240	55
	12,9	118	150	170	200	55
	mm	bar	bar	bar	dB (A)	

Dimensional drawing Tandem Group 2 + 2

For unit dimensions please refer to GR33 and GR38 dimensional drawings

Disegni dimensionali Tandem Gruppo 2+Gruppo 2

Per dimensionali delle singole pompe vedere sezioni precedenti



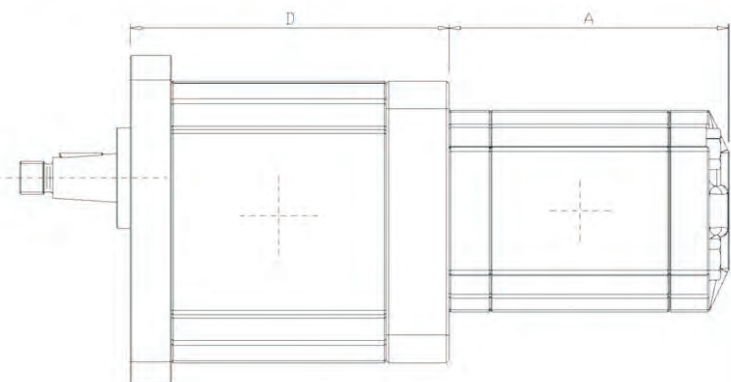
Front Pump 1° stadio	CC	Dim D	Cont Press	Interm Press (*)	Peak Press Press. Picco (*)	Noise Level Livello Rumore
GR33	010	113,6	275	280	300	55
	013	118,5	265	270	300	55
	015	123,5	241	250	300	55
	018	129,3	206	250	300	55
GR38	016	120,1	265	280	300	55
	018	123,1	247	260	300	55
	020	126,1	230	250	300	55
	022	129,1	222	250	300	55
	025	133,6	208	250	300	55
028	138,1	197	250	300	55	
	mm	bar	bar	bar	bar	dB (A)

Dimensional drawing Tandem Group 2 + 1

For unit dimensions please refer to GR33 and GR38 dimensional drawings

Disegni dimensionali Tandem Gruppo 2+Gruppo 1

Per dimensionali delle singole pompe vedere sezioni precedenti



Front Pump 1° stadio	CC	Dim D	Cont Press	Interm Press (*)	Peak Press Press. Picco (*)	Noise Level Livello Rumore
GR33	010	115,6	275	280	300	55
	013	120,5	265	270	300	55
	015	125,5	241	250	300	55
	018	131,3	206	250	300	55
GR38	016	122,1	265	280	300	55
	018	125,1	247	260	300	55
	020	128,1	230	250	300	55
	022	131,1	222	250	300	55
	025	135,6	208	250	300	55
028	140,1	197	250	300	55	
	mm	bar	bar	bar	bar	dB (A)

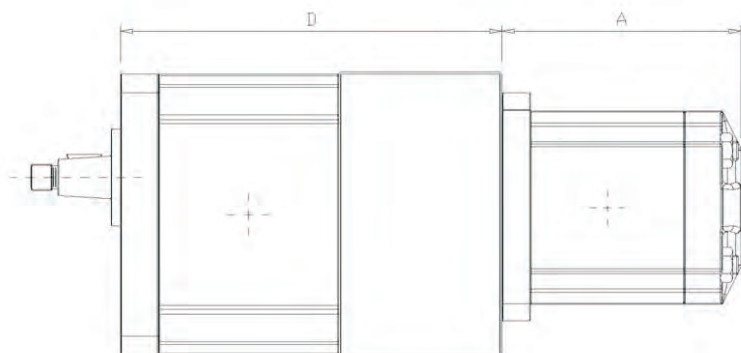
For dimension "A" make reference to pages 4-9
Per la misura "A" fare riferimento alle pagine da 4 a 9

Dimensional drawing Tandem Group 3 + 2

For unit dimensions please refer to GR33 and GR38 dimensional drawings

Disegni dimensionali Tandem Gruppo 3 + Gruppo 2

Per dimensionali delle singole pompe vedere sezioni precedenti



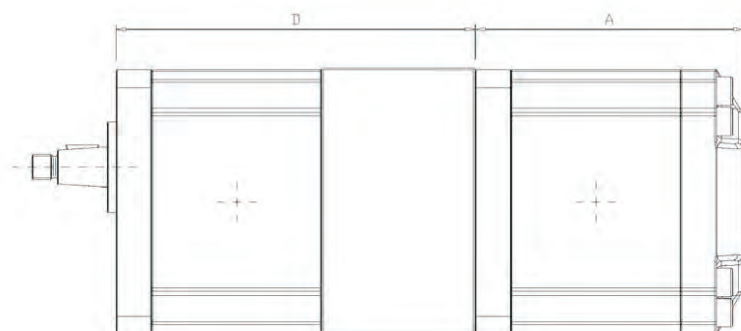
Front Pump 1° stadio	CC	Dim D	Cont Press	Interm Press (*)	Peak Press Press. Picco (*)	Noise Level Livello Rumore
GR47	28	201,1	270	280	300	57
	32	205,1	252	270	300	57
	36	209,1	239	250	300	57
	40	213,1	225	250	300	57
	45	217,6	213	250	300	57
	50	222,6	202	250	300	57
		mm	bar	bar	bar	dB (A)

Dimensional drawing Tandem Group 3 + 3

For unit dimensions please refer to GR33 and GR38 dimensional drawings

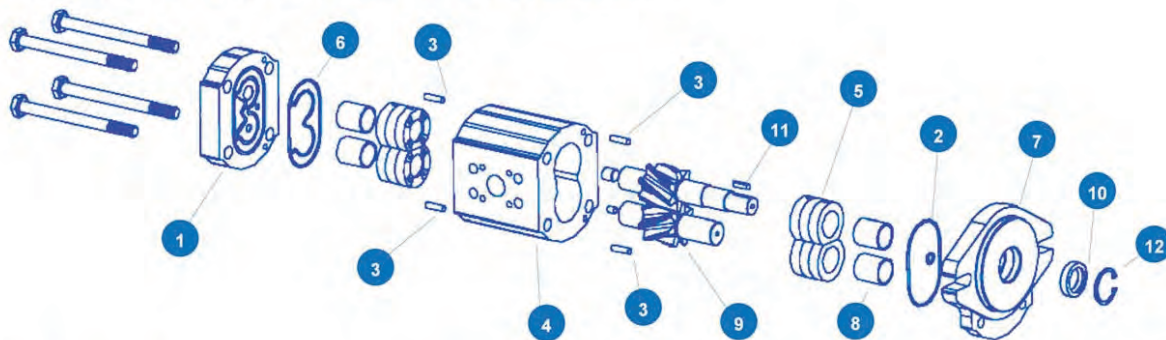
Disegni dimensionali Tandem Gruppo 3 + Gruppo 3

Per dimensionali delle singole pompe vedere sezioni precedenti



Front Pump 1° stadio	CC	Dim D	Cont Press	Interm Press (*)	Peak Press Press. Picco (*)	Noise Level Livello Rumore
GR47	28	201,1	270	280	300	57
	32	205,1	252	270	300	57
	36	209,1	239	250	300	57
	40	213,1	225	250	300	57
	45	217,6	213	250	300	57
	50	222,6	202	250	300	57
		mm	bar	bar	bar	dB (A)

Component description Descrizioni dei componenti



- 1 Flange/Flangia
- 2 O-ring seal/O-ring
- 3 Centring key /Spine di centraggio
- 4 Body/Corpo

- 5 Bushings/Bronzine
- 6 O-ring seal/O-ring
- 7 Motor flange/Flangia motore
- 8 Bushings/Bronzine

- 9 Continuum® rotor/Rotore Continuum®
- 10 Seal/Anello di tenuta
- 11 Shaft key/Chiavetta
- 12 Seeger / Seeger

For dimension "A" make reference to pages 4-9
Per la misura "A" fare riferimento alle pagine da 4 a 9

Ordering code / Codice d'ordinazione

GR** 1	2V 2	***CC 3	F****A*** 4	*	*	** 7
Pump Type Tipo	Class Classe	Displacement Cilindrata	Flange & Shaft Flangia & Albero	Ports Porte	Shaft Seal Guarnizione Albero	Rotation Rotazione
28		004-006-008-010-013	F1AC3-F1PAC2-F1KAG54-F1LAGL54-FSAEAAC	G	(none) V	DX (default) SX
33		010-013-015-018	F2AC4-F2BK7AG-FSAEAAC-FSAEAAT9	G-M		
38		016-018-020-022-025-028	F2AC4-F2BK7AG-FSAEAAC-FSAEAAT11			
47		028-032-036-040-045-050	F3AC9-FSAEBAC-FSAEBAT13	O		
55		050-063-075-090	FSAEBAC-FSAEBAT15			
72		094-101-125-150-175-200	FSAEDAC-FSAEDAT23			

Ordering code multiple pumps / Codice d'ordinazione pompe multiple

DG** 1	2V 2	***CC 3	F****A*** 4	*	GR** 6	***CC 7	*	*	** 10	
Pump Type Tipo	Class Classe	Displacement 1st stage Cilindrata primo stadio	Flange & Shaft Flangia & Albero	Ports Porte	Displacement 2nd stage Cilindrata secondo stadio	Ports Porte	Shaft Seal Guarnizione Albero	Rotation Rotazione		
28		004-006-008-010-013	F1AC3	G	28	004-006-008-010-013	G	(none) V	DX (default) SX	
33		010-013-015-018	F2AC4	G-M	33	010-013-015-018	G-M			
38		016-018-020-022-025-028	F2AC4		38	016-018-020-022-025-028				G
47		028-032-036-040-045-050	F3AC9		O	28	004-006-008-010-013			G-M
55		050-063-075-090	FSAEBAT15	O		33	010-013-015-018			
						38	016-018-020-022-025-028			
					47	028-032-036-040-045-050				
					33	010-013-015-018				
					38	016-018-020-022-025-028				
				47	028-032-036-040-045-050					
				55	050-063-075-090					

Group / Gruppo

Product Range / Gamma Prodotti

Displacement (cc/rev) Cilindrata	Group / Gruppo	
	1	2
1	GR28	4,2 6,4 8,3 10,2 12,9
	GR33	10,1 12,6 15,2 18,2
2	GR38	15,9 17,9 20,0 22,1 25,2 28,3
	GR47	28,0 32,2 36,3 40,5 45,1 50,3
3	GR55	50,5 63,5 75,0 90,9
	GR72	94,1 101,4 125,5 150,9 175,0 200,4
4		

ORDERING CODE CODICE DI ORDINAZIONE

GR **	1	****	****L	*	****/****	*	**	**	*	****	**	***
Pump Type	2	3	4	5/6	7	8	9	10	11	12	13	
Tipo	Dry or submersible Usa esterno o sommerso	Nominal Flow (L/min 2950 rpm) Portata nominale (L/min 2950 rpm)	High viscosity flag (1) Alta viscosità (1)	Hollow shaft type / Flange type (Omit for normal shaft) Tipo albero cavo / Tipo flangia	Pump body Corpo pompa	Screws Treatment Trattamento viti	Seals type Tipo di tenuta	Shaft Seal Guarnizione albero	Internal pressure relief valve (2) Valvola di sicurezza interna (2)	Suction flange flangia d'aspirazione	Rotation Rotazione	
GR20		8/12/15/20	Standard	Motor shaft (5) Albero motore	Standard Aluminium Alluminio	HA core hardened steel screws viti in acciaio temprato	TM Mechanical Seal	Standard NBR	Standard No security valve/Nessuna valvola RF1 5 bar security 5 bar	Standard Radial Radiale	Standard Right rotation Rotazione destra	
GR25		25/30	Up to/ fino a 100 cSt	AC9 AC11 AC14 AC19 AC24 AC28 AC38	G Cast iron Cast iron							
GR32		35/45/55/75	SN (1) from/da 100 cSt	Carbon steel (18NiCrMo5)	A Carbon steel (18NiCrMo5)	HD surface hardened screws viti nitrate superficialmente	Tenuta meccanica	V FKM	RF2 10 bar security 10 bar	AX Axial assiale	SX Left rotation Rotazione sinistra	
GR40	SMT dry / esterna	100/125/150	emulsioni olio/aria gestite oil/air emulsion/handled	Motor form (6) Forma motore (6)	Carbon steel (18NiCrMo5)			E EDPM	RF3 15 bar security 15 bar	AL Tank - top flange		
GR45		180/210		B5 B14	K (3) Hardened Steel Acciaio temperato				RP (2) Variable regulation valve Valvola esterna a regolazione variabile			
GR55	SMIT submersible	250/300/330/380										
GR60	sommersa	440/500										
GR70		600/660/800										
GR80		1.000/1.200										

(1) this option reduce the efficiency of the pump / Questa opzione riduce l'efficienza della pompa

(2) RP not available for GR20, GR25, GR80 / Valvola RP non disponibile per GR20, GR25, GR80

(3) Available from GR20 to GR70 included / Disponibile da GR20 a GR70 incluso