

POMPE AD INGRANAGGI FISSAGGIO 4 FORI-ISO

4 HOLES-ISO HYDRAULIC GEAR PUMPS

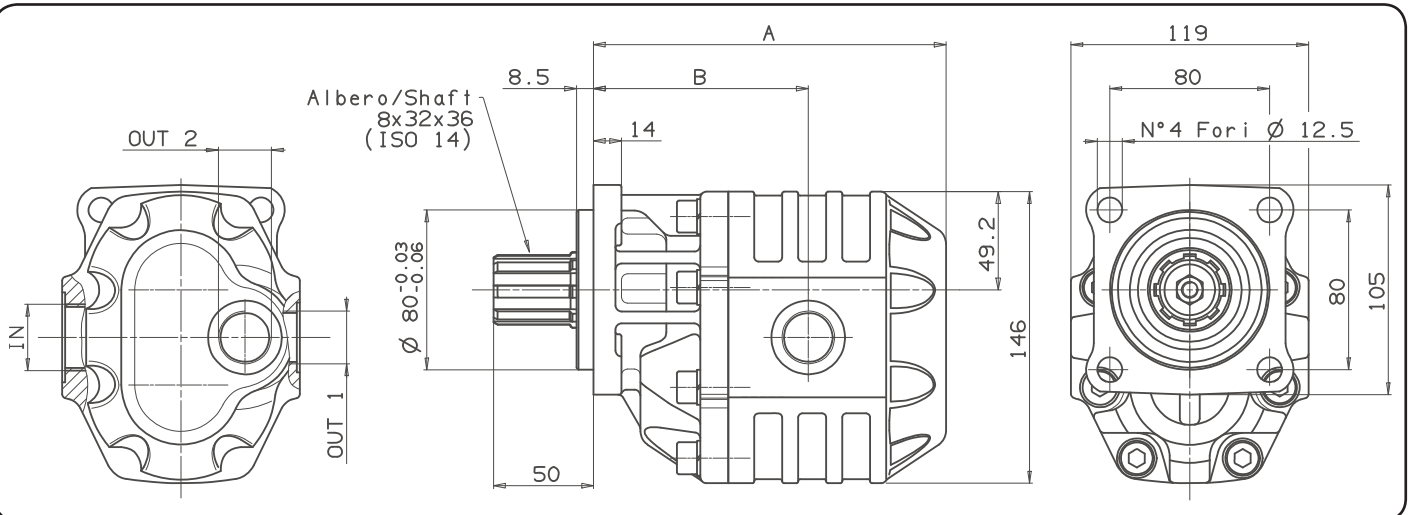
CODICE FAMIGLIA
FAMILY CODE

105-030

NPH ISO-SHORT



Fluido idraulico <i>Fluid</i>	Minerale o sintetico compatibile con guarnizioni: <i>Mineral or synthetic compatible with the following seals:</i> NBR, FKM, FPM, Nylon				
Viscosità cinematica consigliata <i>Kinematic viscosity suggested</i>	T media ambiente (°C) <i>Average ambient temp. (°C)</i>	< -10	-10÷10	10÷35	> 35
	VG (cSt = mm ² /s)	22	32	46	68
Viscosità cinematica ottimale di esercizio <i>Optimale kinematic viscosity</i>		VG= 10 cSt ÷ 100 cSt			
Viscosità cinematica max consentita all'avviamento <i>Max kinematic viscosity suggested at the start-up</i>		VG= 750 cSt			
Indice di viscosità consigliato <i>Viscosity index suggested</i>	VI > 100	Temperatura di esercizio <i>Working temperature</i> -15°C +100°C			
Grado di filtrazione <i>Oil filtering</i>		> 200 bar: 10 µm < 200 bar: 25 µm			
Pressione di aspirazione <i>Inlet pressure</i>		-0,3 ÷ 2 bar			
Senso di rotazione <i>Pump rotation</i>		Unidirezionale (DX o SX) <i>Unidirectional (Right or Left)</i>			



Tipo pompa <i>Pump type</i>	Rotazione <i>Rotation</i>		IN	OUT 1	OUT 2	A	B	Peso <i>Weight</i>
	Destra <i>Right</i>	Sinistra <i>Left</i>						
NPH-17	105-030-00172	105-030-00181	ISO 228	ISO 228	ISO 228	mm	mm	Kg
NPH-22	105-030-00225	105-030-00234	G 1/2	G 1/2		135,5	86,5	9,4
NPH-27	105-030-00270	105-030-00289				139	88,5	9,8
NPH-34	105-030-00341	105-030-00350	G 3/4	G 3/4		141,5	91	10,2
NPH-43	105-030-00430	105-030-00449				146,5	92	11,1
NPH-51	105-030-00510	105-030-00529	G 1	G 3/4		152,5	97	11,5
NPH-61	105-030-00618	105-030-00627				157,5	97,5	12
NPH-73	105-030-00734	105-030-00743				163,5	103,5	12,4
NPH-82	105-030-00823	105-030-00832	G 1 1/4	G 3/4		171,5	102,5	12,8
NPH-90	105-030-00903	105-030-00912				176,5	107,5	13,2
			G 1	G 3/4		187,5	115,5	13,8



POMPE DA NON UTILIZZARE CON CARICHI RADIALI SULL'ALBERO

NO RADIAL LOADS ALLOWED ON PUMP SHAFT

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Via Cave, 7/9 25050 Provaglio d'Iseo (Brescia) Italy Tel.: +39.030.9830611
Fax: +39.030.9839207-208 Internet: www.omfb.it e-mail: info@omfb.it

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
= ISO 9001 =

Codice fascicolo: 997-400-10510

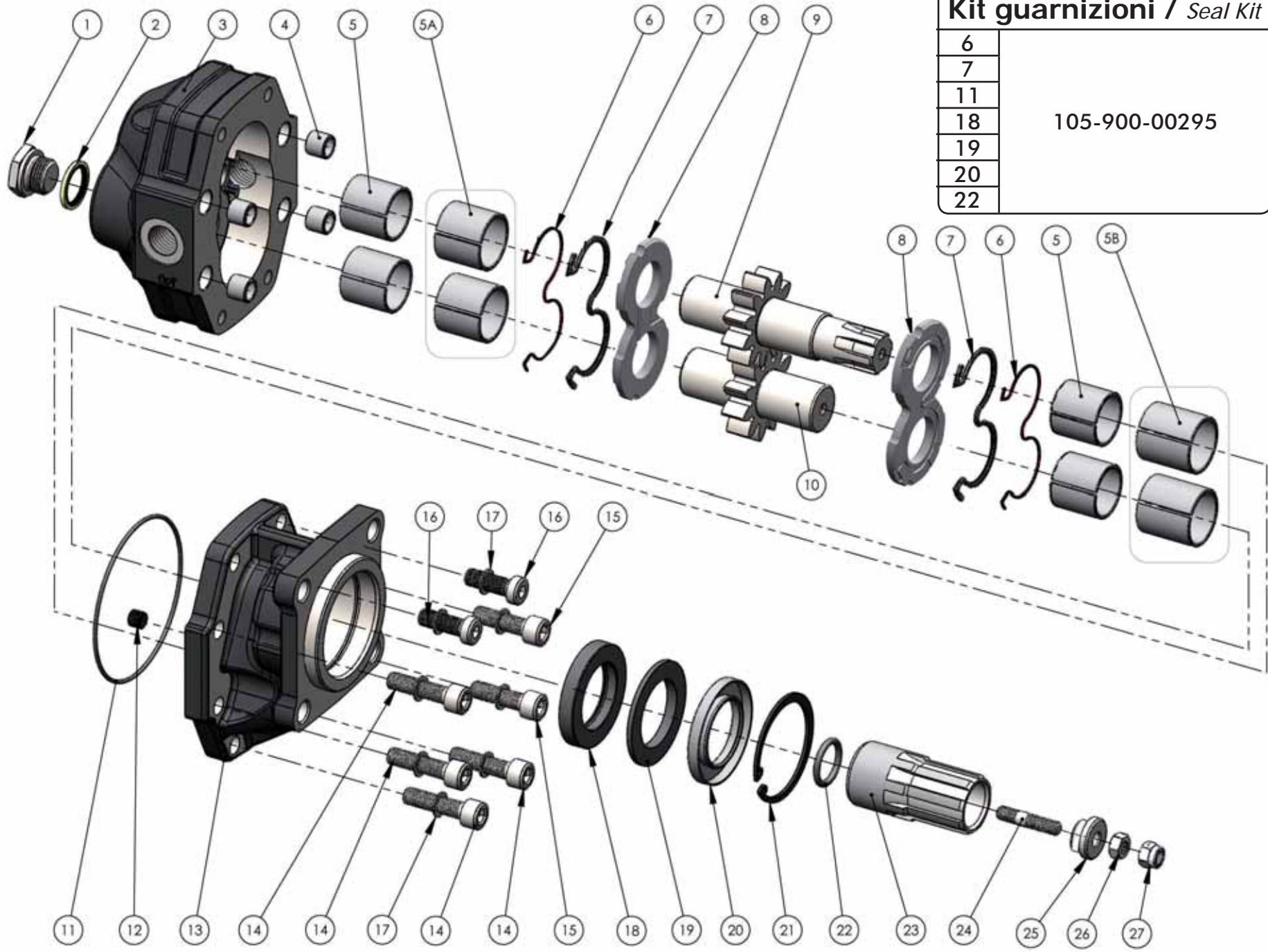
Data: Venerdì 24 febbraio 2012

Rev: AF

Codice foglio: 997-105-03001

Kit guarnizioni / Seal Kit

6	105-900-00295
7	
11	
18	
19	
20	
22	



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N° N°	17	22	27	34	43	51	61	73	82	90	Codice P. Number	Descrizione Description	Quantità Quantity	
1	•	•	•								540-002-00110	Tappo acciaio 1/2"	Steel plug 1/2"	1
				•	•	•	•	•	•	•	540-002-00129	Tappo acciaio 3/4"	Steel plug 3/4"	
2	•	•	•								116-009-10129	Rondella acciaio gomma 1/2"	Steel-rubber washer 1/2"	1
				•	•	•	•	•	•	•	116-009-10343	Rondella acciaio gomma 3/4"	Steel-rubber washer 3/4"	
3	•										517-010-00173	Corpo pompa	Gear housing	1
		•									517-010-00226			
			•								517-010-00271			
				•							517-010-00342			
					•						517-010-00431			
						•					517-010-00511			
							•				517-010-00619			
								•			517-010-00717			
								•		517-010-00824				
										517-010-00904				
4	•	•	•	•	•	•	•	•	•	•	501-003-00282	Spine forate di centraggio 14x10.5	Pins 14x10.5	4
5	•	•	•	•	•	•	•	•	•	•	533-004-00033	Boccole autolub. 28x32x30	Bushing 28x32x30	4
5A										•	533-004-00355	Boccole autolub. 30x34x30	Bushing 30x34x30	2
5B										•	533-004-00060	Boccole autolub. 30x34x35	Bushing 30x34x35	2
6	•	•	•	•	•	•	•	•	•	•	506-000-01097	Guarnizione antiestrusione	Back-up ring	2
										•	506-000-01284			
7	•	•	•	•	•	•	•	•	•	•	506-000-01088	Guarnizione per rasamento	Thrust plate seal	2
										•	506-000-01275			
8	•	•	•	•	•	•	•	•	•	•	510-010-00293	Rasamento a occhiale	Thrust plate	2
										•	510-010-00346			
9	•										523-027-00171	Albero dentato conduttore	Drive shaft	1
		•									523-027-00224			
			•								523-027-00279			
				•							523-027-00340			
					•						523-027-00439			
						•					523-027-00519			
							•				523-027-00617			
								•			523-027-00715			
								•		523-027-00822				
										•	523-023-00906			
10	•										523-021-00177	Albero dentato condotto	Driven shaft	1
		•									523-021-00220			
			•								523-021-00275			
				•							523-021-00346			
					•						523-021-00435			
						•					523-021-00515			
							•				523-021-00613			
								•			523-021-00711			
								•		523-021-00828				
										•	523-023-00915			
11	•	•	•	•	•	•	•	•	•	•	506-000-01579	Guarnizione OR	O-Ring	1
12	•	•	•	•	•	•	•	•	•	•	504-010-00063	Grano conico		1
13	•	•	•	•	•	•	•	•	•	•	518-003-00225	Coperchio anteriore	Mounting cover	1
											518-003-00536			
14	•	•	•	•	•	•	•	•	•	•	502-004-00574	Vite TCE M10x40	Screw M10x40	4
15	•	•	•	•	•	•	•	•	•	•	502-004-00565	Vite TCE M10x35	Screw M10x35	2
16	•	•	•	•	•	•	•	•	•	•	502-000-00514	Vite TCE M10x35 ts. H6	Screw M10x35 H6	2
17	•	•	•	•	•	•	•	•	•	•	501-020-00101	Rondella elastica	Washer	8
18	•	•	•	•	•	•	•	•	•	•	506-021-38624	Guarnizione paraolio	Oil seal	1
19	•	•	•	•	•	•	•	•	•	•	506-022-38623	Anello paraolio	Oil seal ring	1
20	•	•	•	•	•	•	•	•	•	•	506-007-38627	Guarnizione paraolio	Oil seal	1
21	•	•	•	•	•	•	•	•	•	•	501-001-00588	Anello seeger	Seeger ring	1
22	•	•	•	•	•	•	•	•	•	•	506-003-00059	Guarnizione OR	O-Ring	1
23	•	•	•	•	•	•	•	•	•	•	114-005-00209	Manicotto	Coupling	1
24	•	•	•	•	•	•	•	•	•	•	503-003-00171	Prigioniero M8x35	Stud bolt M8x28	1
25	•	•	•	•	•	•	•	•	•	•	530-005-00127	Distanziale	Spacer	1
26	•	•	•	•	•	•	•	•	•	•	505-003-00033	Dado M8 CH13 H6.5	Nut M8 CH13 H6.5	1
27	•	•	•	•	•	•	•	•	•	•	505-010-00089	Dado atb M8 CH13 H8	Nut M8 CH13 H8	1

CARATTERISTICHE TECNICHE DI FUNZIONAMENTO - TECHNICAL FEATURES

Tipo pompa <i>Pump type</i>	Cilindrata <i>Displacement</i> cm ³ /rev	Pressione <i>Pressure</i>			Velocità max. continua <i>Max. continuous speed</i> rpm	Velocità max. intermittente <i>Max. intermittent speed</i> rpm	Velocità min. <i>Min. speed</i> rpm
		P1 bar	P2 bar	P3 bar			
NPH-17	17.04	290	315	325	2500	3000	300
NPH-22	22.15						
NPH-27	26.18						
NPH-34	33.88	280	300	310	2200	2800	
NPH-43	43.12	270	290	300	2000	2500	
NPH-51	50.82	240	260	280			
NPH-61	60.06	220	240	250	1800	2000	
NPH-73	72.88	200	220	230	1500	1800	
NPH-82	81.08	190	210	220			
NPH-90	90,43	180	200	220			

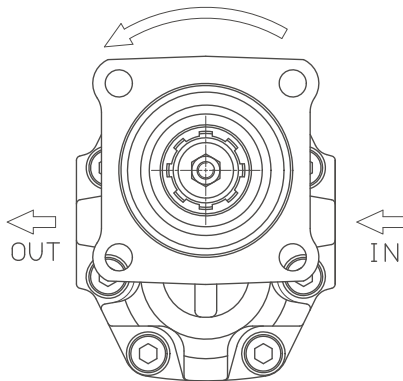
P1 = Pressione max. continua
P2 = Pressione max. intermittente
P3 = Pressione max. di punta

Max. continuous pressure
Max. Intermittent pressure
Max. peak pressure

(100%)
(20 sec.max.)
(6 sec.max)

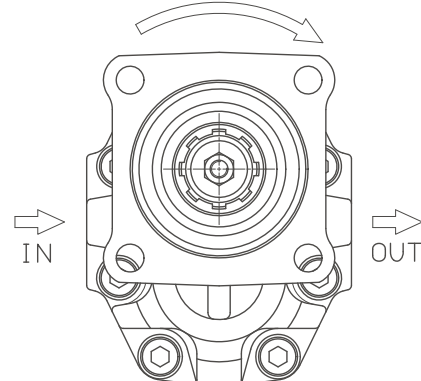
SENSO DI ROTAZIONE POMPA - DIRECTION OF ROTATION

Rotazione antioraria, pompa sinistra
Anti-clockwise rotation, left pump



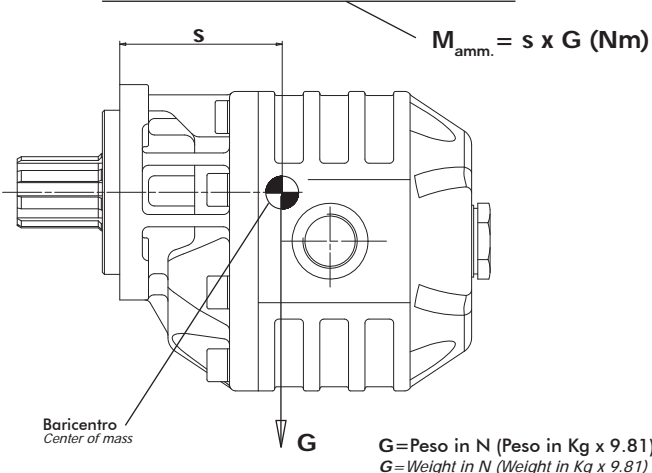
Vista FRONTALE
FRONT

Rotazione oraria, pompa destra
Clockwise rotation, right pump



Vista FRONTALE
FRONT

MOMENTO PESO / MASS MOMENT



Tipo pompa - Pump type	S
NPH-17	76
NPH-22	77
NPH-27	78
NPH-34	79
NPH-43	81
NPH-51	84
NPH-61	87
NPH-73	91
NPH-82	95
NPH-90	99

PER MODIFICARE IL SENSO DI ROTAZIONE VEDERE ISTRUZ. 997-2-42

TO CHANGE THE DIRECTION OF ROTATION SEE INSTRUCTION 997-2-42