

POMPE AD INGRANAGGI FISSAGGIO 4 FORI-ASAE 4 HOLES-ASAE HYDRAULIC GEAR PUMPS

CODICE FAMIGLIA
FAMILY CODE

105-061

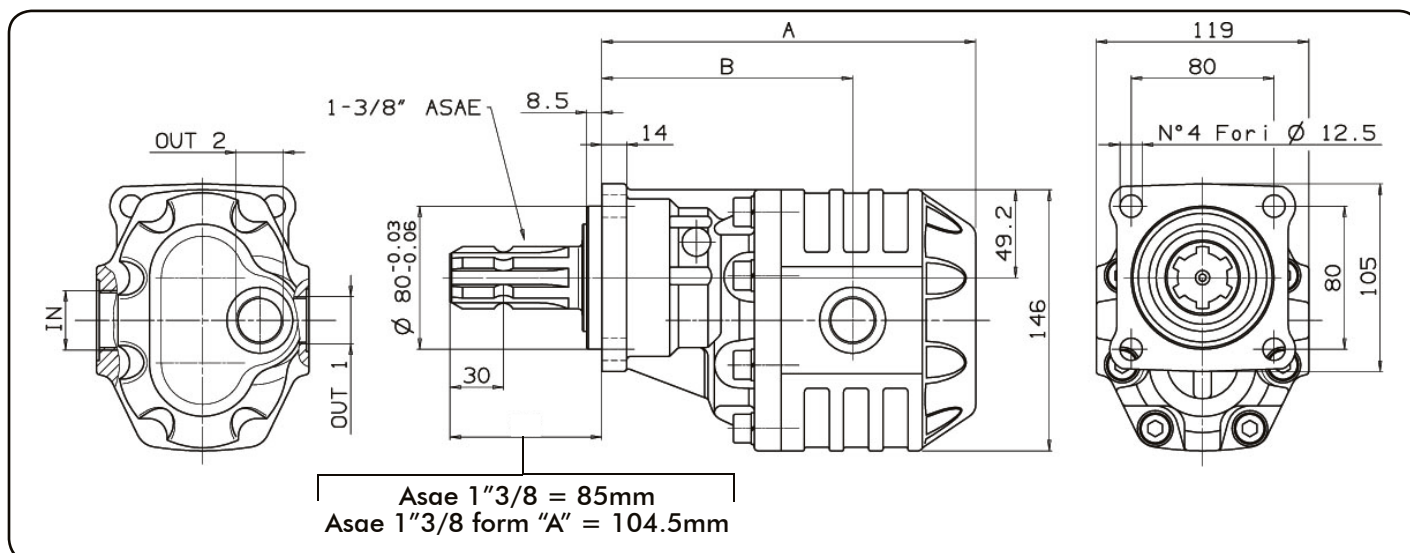
NPH ASAE

Codice fascicolo: 997-400-10515



Fluido idraulico Fluid	Minerale o sintetico compatibile con guarnizioni: Mineral or synthetic compatible with the following seals: NBR, FKM, FPM, Nylon				
Viscosità cinematica consigliata Kinematic viscosity suggested	T media ambiente (°C) Average ambient temp. (°C)	< -10	-10÷10	10÷35	> 35
	VG (cSt = mm²/s)	22	32	46	68
Viscosità cinematica ottimale di esercizio Optimale kinematic viscosity			VG= 10 cSt ÷ 100 cSt		
Viscosità cinematica max consentita all'avviamento Max kinematic viscosity suggested at the start-up			VG= 750 cSt		
Indice di viscosità consigliato Viscosity index suggested	VI > 100	Temperatura di esercizio Working temperature		-15°C +100°C	
Grado di filtrazione Oil filtering			> 200 bar: 10 µm < 200 bar: 25 µm		
Pressione di aspirazione Inlet pressure			-0,3 ÷ 2 bar		
Senso di rotazione Pump rotation			Unidirezionale (DX o SX) Unidirectional (Right or Left)		

Data: Lunedì 16 luglio 2012



Codice foglio: 997-105-06101 Rev: AB

Tipo pompa Pump type	Rotazione / Rotation		IN ISO 228	OUT 1 ISO 228	OUT 2 ISO 228	A mm	B mm	Peso Weight Kg
	Destra / Right	Sinistra / Left						
NPH 17 - ASAE 1" 3/8	105-061-00175	105-061-00184	G 1/2	G 1/2		168.5	119.5	11
NPH 22 - ASAE 1" 3/8	105-061-00228	105-061-00237				172	121.5	11.5
NPH 27 - ASAE 1" 3/8	105-061-00273	105-061-00282				174.5	124	12
NPH 34 - ASAE 1" 3/8	105-061-00344	105-061-00353	G 3/4			179.5	125	13
NPH 43 - ASAE 1" 3/8	105-061-00433	105-061-00442				185.5	130	13.5
NPH 51 - ASAE 1" 3/8	105-061-00513	105-061-00522				190.5	130.5	14
NPH 61 - ASAE 1" 3/8	105-061-00611	105-061-00620	G 1	G 3/4		196.5	136.5	14.5
NPH 61 - ASAE 1" 3/8 FORM "A"		105-061-40622				204.5	135.5	15
NPH 73 - ASAE 1" 3/8	105-061-00737	105-061-00746				209.5	140.5	15.5
NPH 82 - ASAE 1" 3/8	105-061-00826	105-061-00833	G 1 1/4			226.5	154.5	15
NPH 82 - ASAE 1" 3/8 FORM "A"		105-061-40833				242.5	158.5	17
NPH 100 - ASAE 1" 3/8	105-061-01003	105-061-01012						
NPH 100 - ASAE 1" 3/8 FORM "A"		105-061-41014		G 1	G 3/4			
NPH 125 - ASAE 1" 3/8	105-061-01254	105-061-01263						

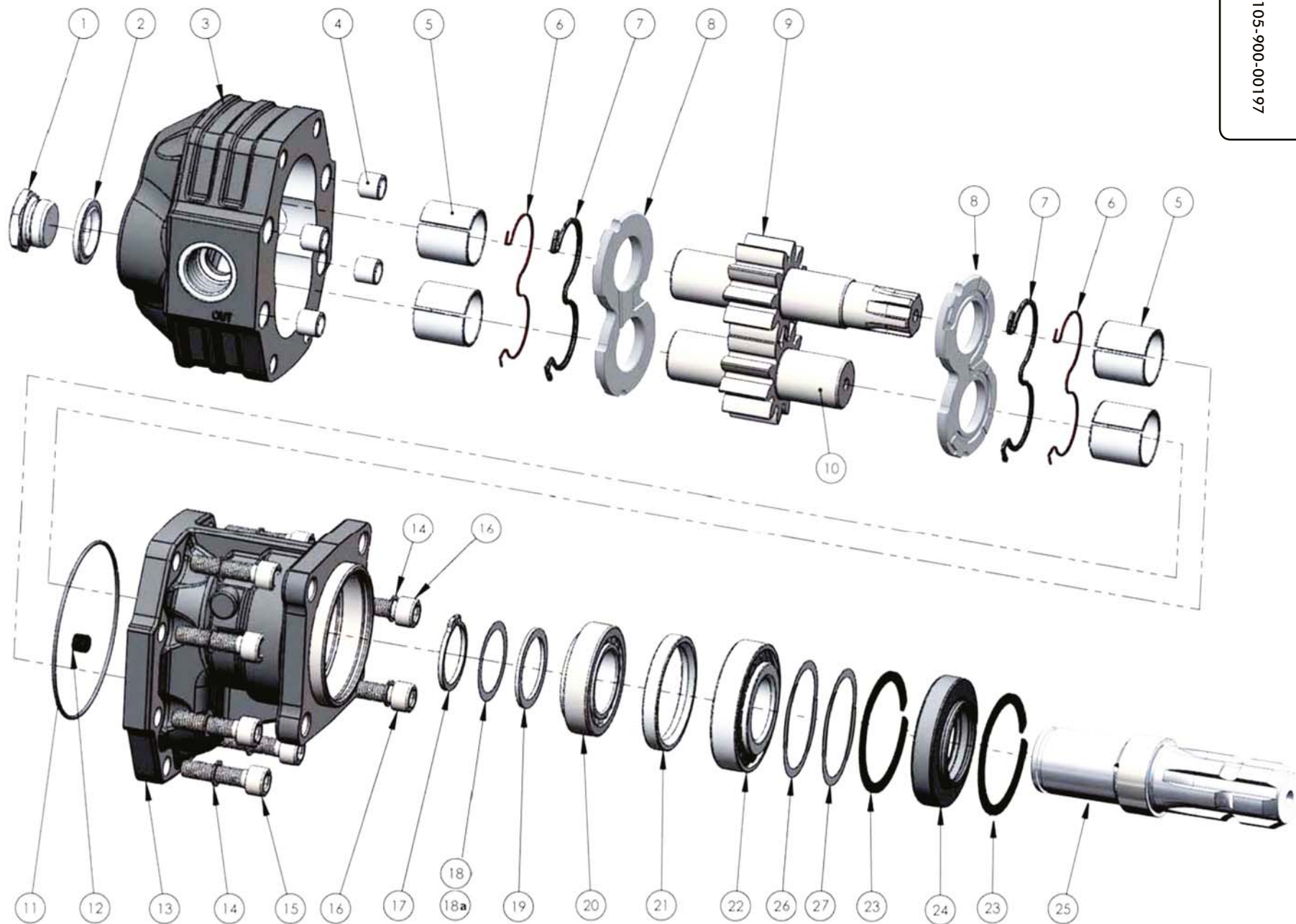
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**COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =**

Kit guarnizioni / Seal Kit			
6	7	11	24
105-900-00197			



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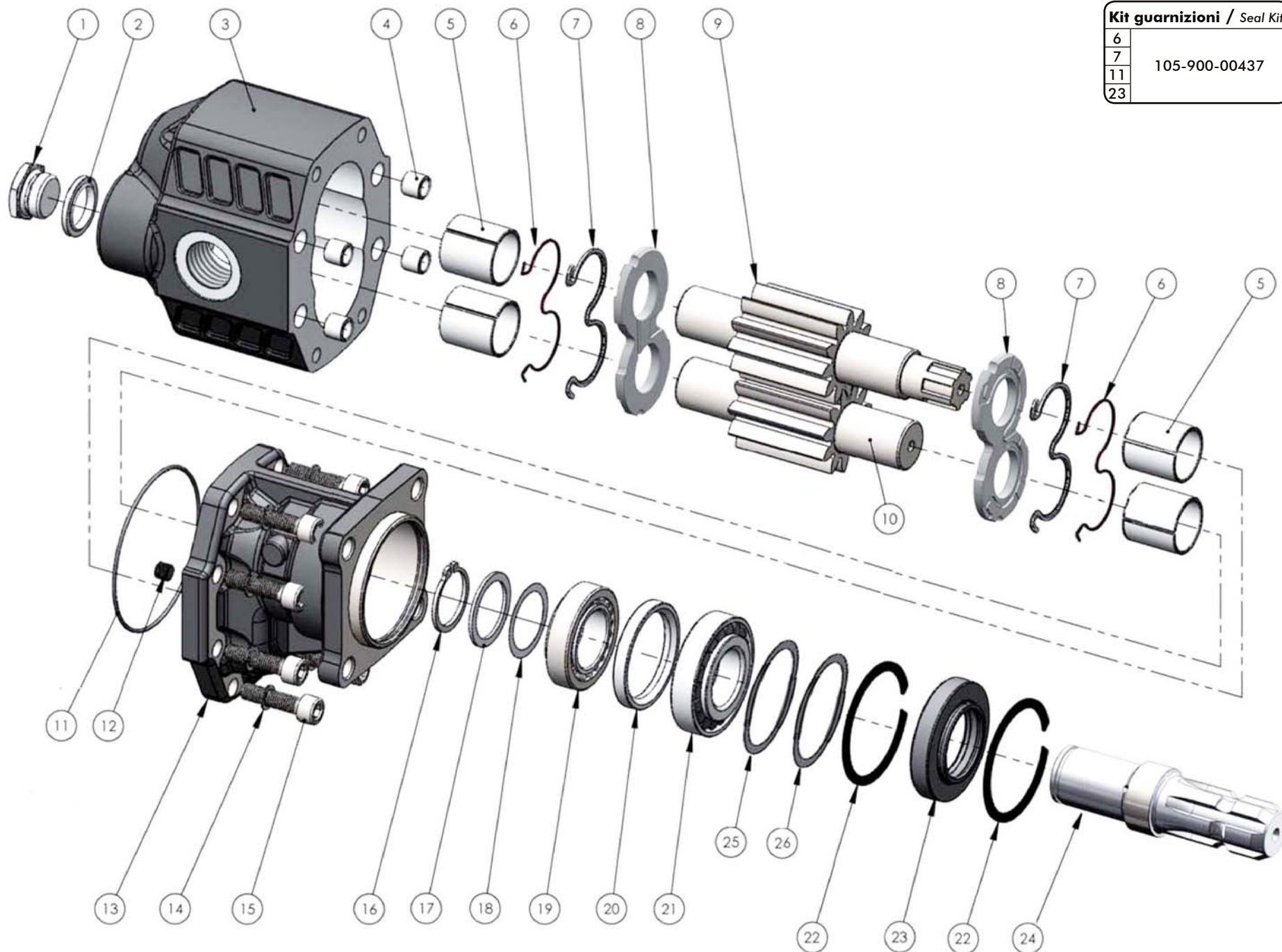
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N°	17	22	27	34	43	51	61	61 FORM "A"	73	82	82 FORM "A"	Codice/Code	Descrizione / Description		Q.tà Q.ty
1	•	•	•									540-002-00110	Tappo Acciaio 1/2"	Steel plug 1/2"	1
				•	•	•	•	•	•	•	•	540-002-00129	Tappo Acciaio 3/4"	Steel plug 3/4"	
2	•	•	•									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			
4	•	•	•	•	•	•	•	•	•	•	•	501-003-00282	Spine forate di centraggio 14x12.5	Pins 14x12.5	4
	•	•	•	•	•	•	•	•	•	•	•	533-004-00033	Boccola autolub. 28x32x30	Bushing 28x32x30	
	•	•	•	•	•	•	•	•	•	•	•	506-000-01097	Guarnizione antiestrusione	Back-up ring	
	•	•	•	•	•	•	•	•	•	•	•	506-000-01088	Guarnizione per rasamento	Thrust plate seal	
	•	•	•	•	•	•	•	•	•	•	•	510-010-00293	Rasamento ad occhiale	Thrust plate	
	•											523-020-00178	Albero dentato conduttore	Drive shaft	1
		•										523-020-00221			
			•									523-020-00276			
				•								523-020-00347			
					•							523-020-00436			
						•						523-020-00516			
							•	•				523-020-00614			
									•			523-020-00712			
10	•											523-020-00829	Albero dentato condotto	Driven shaft	1
		•										523-021-00177			
			•									523-021-00220			
				•								523-021-00275			
					•							523-021-00346			
						•						523-021-00435			
							•	•				523-021-00515			
									•			523-021-00613			
11	•	•	•	•	•	•	•	•	•	•	•	523-021-00711	Guarnizione OR (2x95)	O-ring (2x95)	1
												523-021-00828			
	•	•	•	•	•	•	•	•	•	•	•	506-000-01579			
	•	•	•	•	•	•	•	•	•	•	•	504-010-00063			
	•	•	•	•	•	•	•	•	•	•	•	518-003-00116			
	•	•	•	•	•	•	•	•	•	•	•	501-020-00101			
	•	•	•	•	•	•	•	•	•	•	•	502-004-00574			
												502-004-00565			
16	•	•	•	•	•	•	•	•	•	•	•	501-000-01355	Anello seeger	Seeger ring	1
18	•	•	•	•	•	•	•	•	•	•	•	529-007-00226	Rondella speciale 45x35x0,2	Special washer 45x35x0,2	2
18a	•	•	•	•	•	•	•	•	•	•	•	529-007-00217	Rondella speciale 45x35x0,1	Special washer 45x35x0,1	2
19	•	•	•	•	•	•	•	•	•	•	•	529-007-00208	Rondella speciale 45x35x2	Special washer 45x35x2	1
20	•	•	•	•	•	•	•	•	•	•	•	510-002-00202	Cuscinetto a rulli conici 35x62x18	Tapered roller bearing 35x62x18	1
21	•	•	•	•	•	•	•	•	•	•	•	530-004-00164	Distanziale 52x64,2x8,25	Spacer 52x64,2x8,25	1
22	•	•	•	•	•	•	•	•	•	•	•	510-002-00211	Cuscinetto a rulli conici 35x72x18,25	Tapered roller bearing 35x62x18	1
23	•	•	•	•	•	•	•	•	•	•	•	501-000-02729	Anello elastico	Circlip	2
24	•	•	•	•	•	•	•	•	•	•	•	506-008-42723	Guarnizione paraolio	Oil seal	1
25	•	•	•	•	•	•	•	•	•	•	•	114-005-00156	Manicotto 1" 3/8 ASAE	Coupling 1" 3/8 ASAE	1
												114-005-00405	Manicotto 1" 3/8 ASAE FORM "A"	Coupling 1" 3/8 ASAE FORM "A"	1
26	•	•	•	•	•	•	•	•	•	•	•	529-007-00995	Rondella 66x72x0.4	Washer 66x72x0.4	1
27	•	•	•	•	•	•	•	•	•	•	•	529-007-00986	Rondella 66x72x0.2	Washer 66x72x0.2	1

Kit guarnizioni / Seal Kit	
6	105-900-00437
7	
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23	



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HYDRAULIC COMPONENTS

N°	100	100 FORM "A"	125	Codice Code	Descrizione Description		Q.tà Q.ty
1	•	•	•	540-002-00129	Tappo Acciaio 3/4"	Steel plug 3/4"	1
2	•	•	•	116-009-10343	Rondella acciaio-gomma 3/4"	Steel-rubber washer 3/4"	1
3	•	•	•	517-010-00995	Corpo pompa	Gear housing	1
4	•	•	•	501-003-00282	Spine forate di centraggio 14x12.5	Pins 14x12.5	4
5	•	•	•	533-004-00060	Boccola autolub. 30x34x35	Bushing 30x34x35	4
6	•	•	•	506-000-01284	Guarnizione antiestrusione	Back-up ring	2
7	•	•	•	506-000-01275	Guarnizione per rasamento	Thrust plate seal	2
8	•	•	•	510-010-00346	Rasamento ad occhiale	Thrust plate	2
9	•	•	•	523-023-01003	Albero dentato conduttore	Drive shaft	1
10	•	•	•	523-023-01254	Albero dentato condotto	Driven shaft	1
11	•	•	•	523-023-01012	Guarnizione OR (2x95)	O-ring (2x95)	1
12	•	•	•	523-023-01263	Grano conico 1/8"	Plug 1/8"	1
13	•	•	•	506-000-01579	Coperchio anteriore	Mounting cover	1
14	•	•	•	504-010-00063	Rondella elastica	Washer	8
15	•	•	•	502-004-00574	Vite TCE M10x40	Screw M10x40	8
16	•	•	•	501-000-01355	Anello seeger	Seeger ring	1
17	•	•	•	529-007-00226	Rondella speciale 45x35x0,,2	Special washer 45x35x0,2	2
18	•	•	•	529-007-00208	Rondella speciale 45x35x2	Special washer 45x35x2	1
19	•	•	•	510-002-00202	Cuscinetto a rulli conici 35x62x18	Tapered roller bearing 35x62x18	1
20	•	•	•	530-004-00164	Distanziale 52x64,2x8,25	Spacer 52x64,2x8,25	1
21	•	•	•	510-002-00211	Cuscinetto a rulli conici 35x72x18,25	Tapered roller bearing 35x72x18,25	1
22	•	•	•	501-000-02729	Anello elastico	Circlip	2
23	•	•	•	506-008-42723	Guarnizione paraolio	Oil seal	1
24	•	•	•	114-005-00156	Manicotto ASAE 1"3/8	Coupling ASAE 1"3/8	1
25	•	•	•	114-005-00405	Manicotto ASAE 1"3/8 FORM "A"	Coupling ASAE 1"3/8 FORM "A"	1
26	•	•	•	529-007-00995	Rondella 66x72x0.4	Washer 66x72x0.4	1
	•	•	•	529-007-00986	Rondella 66x72x0.2	Washer 66x72x0.2	1

CARATTERISTICHE TECNICHE DI FUNZIONAMENTO / TECHNICAL FEATURES

Tipo pompa Pump type	Cilindrata Displacement cm³/rev	Pressione/Pressure			Velocità max. continua Max. continuous speed rpm	Velocità max. intermittente Max. intermittent speed rpm	Velocità min. Min. speed 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	38.88	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	1600	1800	
NPH-82	81.08	190	210	220			
NPH-100	98.18	180	200				
NPH-125	122.72	160	180		200		

P1=Pressione max.continua

Max. continuous pressure

(100%)

P2=Pressione max. intermittente

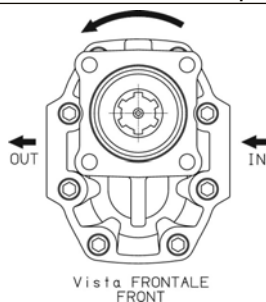
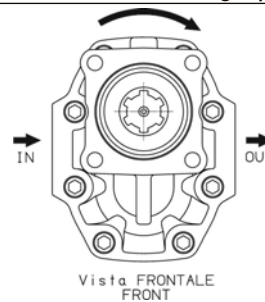
Max. Intermittent pressure

(20 sec.max.)

P3=Pressione max. di punta

Max. peak pressure

(6 sec.max)

SENSO DI ROTAZIONE POMPA / DIRECTION OF ROTATION**Rotazione antioraria, pompa sinistra**
Anti-clockwise rotation, left pump**Rotazione oraria, pompa destra**
Clockwise rotation, right pump

Codice fascicolo: 997-400-1051/5

Data: Lunedì 16 luglio 2012

Rev: AB

Codice foglio: 997-105-06101