

POMPE AD INGRANAGGI FISSAGGIO 4 FORI-ISO

4 HOLES-ISO HYDRAULIC GEAR PUMPS

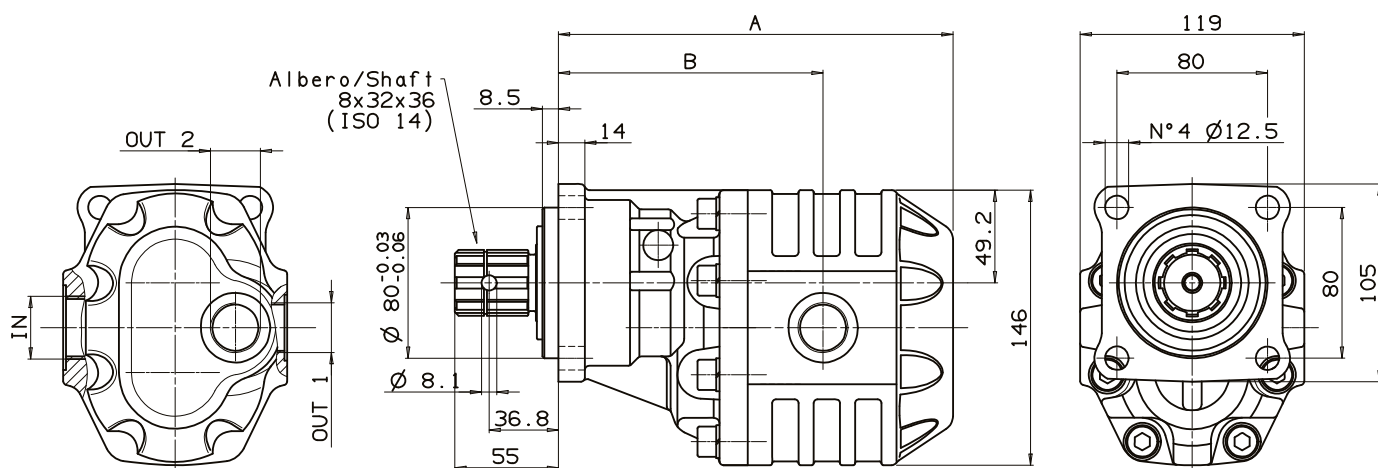
CODICE FAMIGLIA
FAMILY CODE

105-011

NPH ISO



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)		

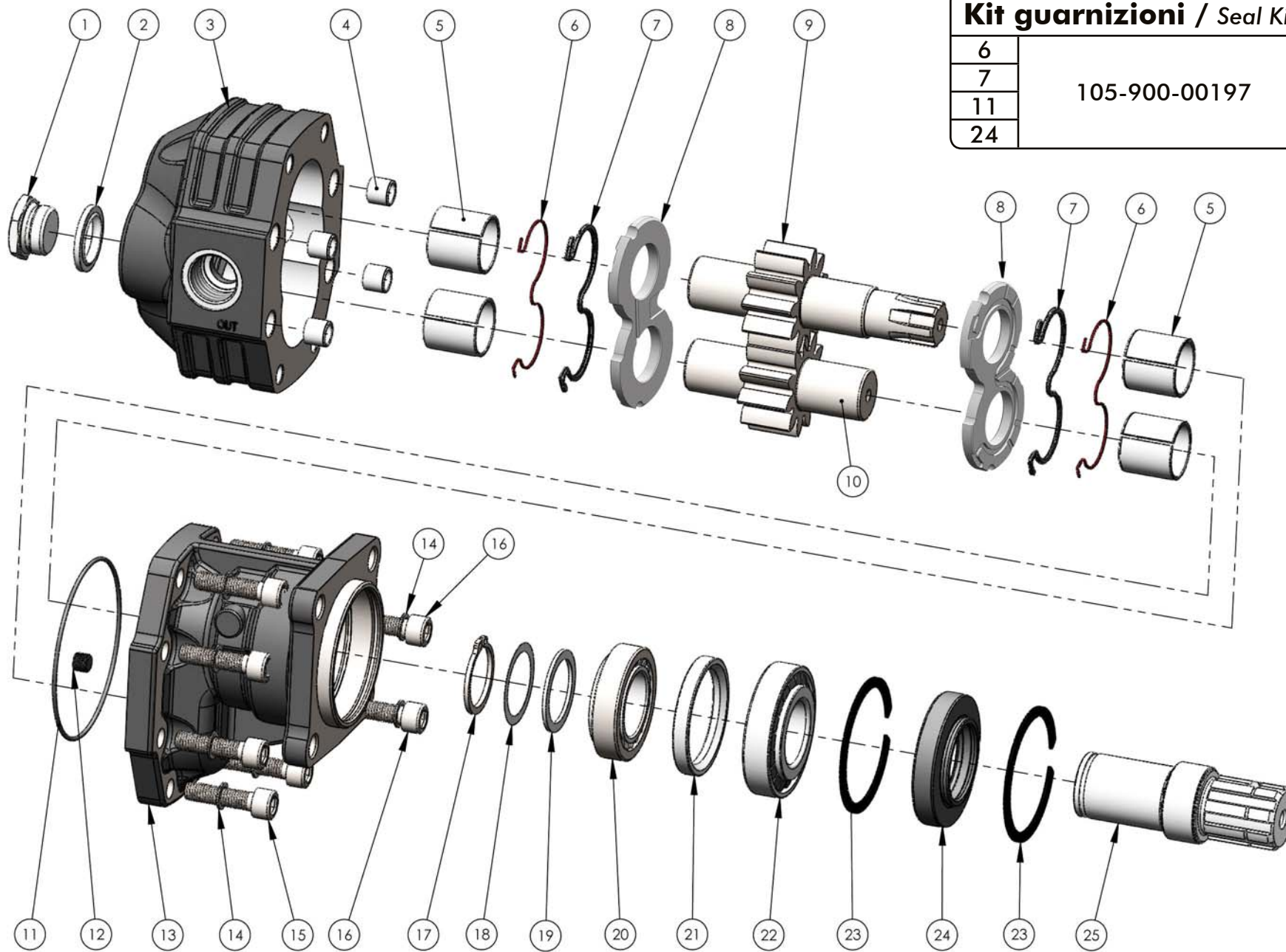


Tipo pompa <i>Pump type</i>	Rotazione <i>Rotation</i>		IN	OUT 1	OUT 2	A	B	Peso <i>Weight</i>
	Destra <i>Right</i>	Sinistra <i>Left</i>						
			ISO 228	ISO 228	ISO 228	mm	mm	Kg
NPH-17	105-011-10173	105-011-10182	G 1/2	G 1/2		168.5	119.5	11
NPH-22	105-011-10226	105-011-10235				172	121.5	11.5
NPH-27	105-011-10271	105-011-10280	G 3/4			174.5	124	12
NPH-34	105-011-10342	105-011-10351				179.5	125	13
NPH-43	105-011-10431	105-011-10441	G1	G 3/4		185.5	130	13.5
NPH-51	105-011-10511	105-011-10520				190.5	130.5	14
NPH-61	105-011-10619	105-011-10628				196.5	136.5	14.5
NPH-73	105-011-10735	105-011-10744				204.5	135.5	15
NPH-82	105-011-10824	105-011-10833				209.5	140.5	15.5
NPH-100	105-011-11001	105-011-11010	G1 1/4	G 1	G 3/4	226.5	154.5	15
NPH-125	105-011-11252	105-011-11261				242.5	158.5	17

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Kit guarnizioni / Seal Kit

6	105-900-00197
7	
11	
24	



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COMPANY WITH
QUALITY SYSTEM
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= ISO/TS 16949 =

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Fax: +39 030 9839207-208 Internet: www.omfb.it e-mail: info@omfb.it

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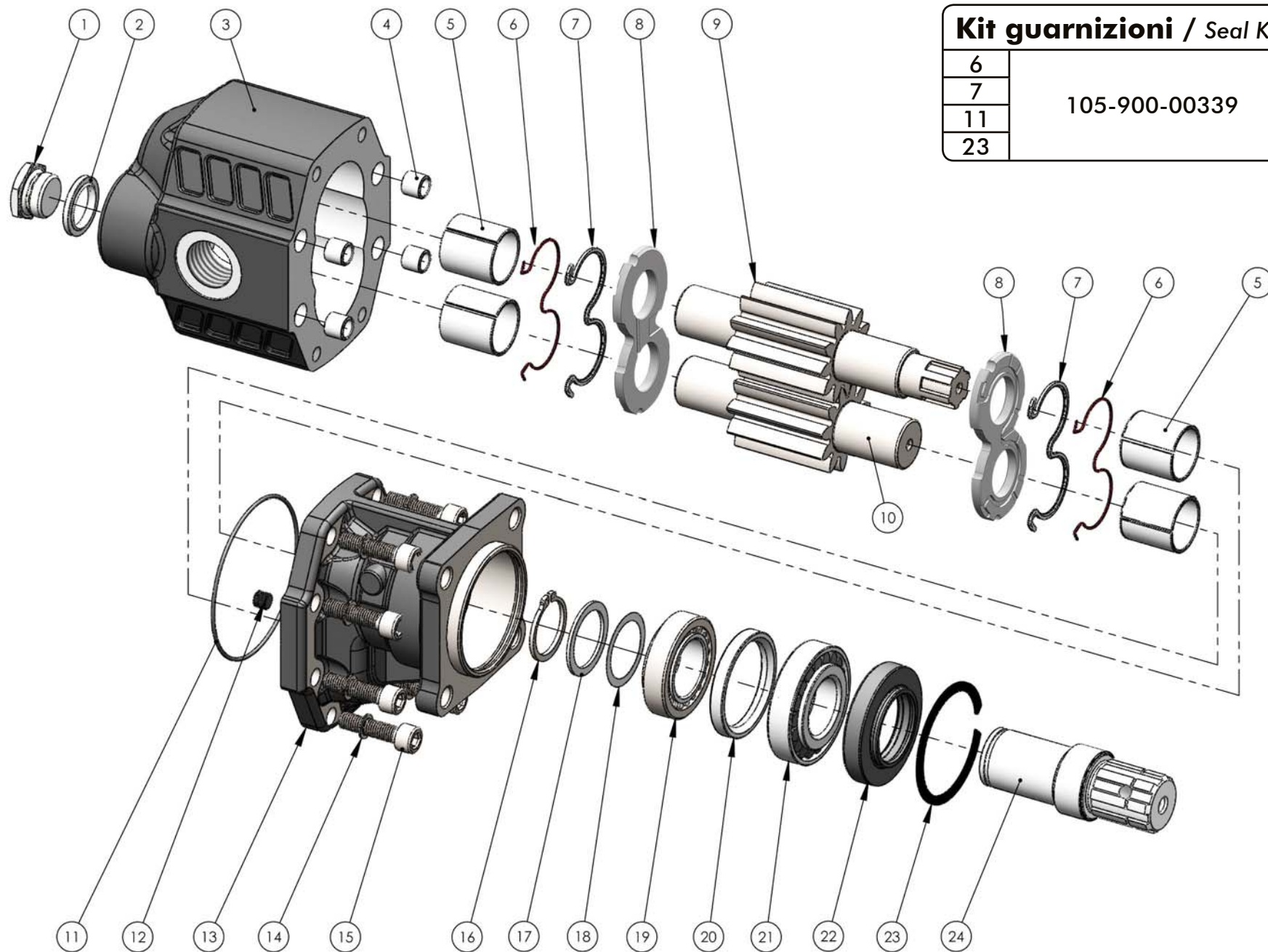
N° N°	17	22	27	34	43	51	61	73	82	Codice P. Number	Description Descrizione	Quantità Quantity
1	•	•	•	•	•	•	•	•	•	540-002-00110	Tappo Acciaio 1/2"	1
										540-002-00129	Tappo Acciaio 3/4"	
2	•	•	•	•	•	•	•	•	•	116-009-10129	Rondella acciaio-gomma 1/2"	1
										116-009-10343	Rondella acciaio-gomma 3/4"	
3	•	•	•	•	•	•	•	•	•	517-010-00173	Corpo pompa	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		
4	•	•	•	•	•	•	•	•	•	501-003-00282	Spine forate di centraggio 14x12.5	4
5	•	•	•	•	•	•	•	•	•	533-004-00033	Boccola autolub. 28x32x30	4
6	•	•	•	•	•	•	•	•	•	506-000-01097	Guarnizione antiestrusione	2
7	•	•	•	•	•	•	•	•	•	506-000-01088	Guarnizione per rasamento	2
8	•	•	•	•	•	•	•	•	•	510-010-00293	Rasamento ad occhiale	2
9	•	•	•	•	•	•	•	•	•	523-020-00178	Albero dentato conduttore	1
										523-020-00221		
										523-020-00276		
										523-020-00347		
										523-020-00436		
										523-020-00516		
										523-020-00614		
										523-020-00712		
										523-020-00829		
10	•	•	•	•	•	•	•	•	•	523-021-00177	Albero dentato condotto	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		
11	•	•	•	•	•	•	•	•	•	506-000-01579	Guarnizione OR (2x95)	1
12	•	•	•	•	•	•	•	•	•	504-010-00063	Grano conico 1/8"	1
13	•	•	•	•	•	•	•	•	•	518-003-00116	Coperchio anteriore	1
14	•	•	•	•	•	•	•	•	•	501-020-00101	Rondella elastica	8
15	•	•	•	•	•	•	•	•	•	502-004-00574	Vite TCE M10x40	8
												6
16	•	•	•	•	•	•	•	•	•	502-004-00565	Vite TCE M10x35	2
17	•	•	•	•	•	•	•	•	•	501-000-01355	Anello seeger	1
18	•	•	•	•	•	•	•	•	•	529-007-00226	Rondella speciale 45x35x0,2	1
19	•	•	•	•	•	•	•	•	•	529-007-00208	Rondella speciale 45x35x2	1
20	•	•	•	•	•	•	•	•	•	510-002-00202	Cuscinetto a rulli conici 35x62x18	1
21	•	•	•	•	•	•	•	•	•	530-004-00164	Distanziale 52x64,2x8,25	1
22	•	•	•	•	•	•	•	•	•	510-002-00211	Cuscinetto a rulli conici 35x72x18,25	1
23	•	•	•	•	•	•	•	•	•	501-000-02729	Anello elastico	2
24	•	•	•	•	•	•	•	•	•	506-008-42723	Guarnizione paraolio	1
25	•	•	•	•	•	•	•	•	•	114-005-00147	Manicotto	1

NPH ISO
17-82ESPLOSO POMPE AD INGRANAGGI
GEAR PUMPS

105-011

Kit guarnizioni / Seal Kit

6	105-900-00339
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N° N°	100	125	Codice P. Number	Descrizione Description		Quantità Quantity
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
		•	517-010-01252			
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
		•	523-023-01254			
10	•		523-023-01012	Albero dentato condotto	Driven shaft	1
		•	523-023-01263			
11	•	•	506-000-01579	Guarnizione OR (2x95)	O-ring (2x95)	1
12	•	•	504-010-00063	Grano conico 1/8"	Plug 1/8"	1
13	•	•	518-003-00152	Coperchio anteriore	Mounting cover	1
14	•	•	501-020-00101	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	1
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	•	•	114-005-00147	Manicotto	Coupling	1

NPH ISO
100-125ESPLOSO POMPE AD INGRANAGGI
GEAR PUMPS

105-011

CARATTERISTICHE TECNICHE DI FUNZIONAMENTO - TECHNICAL FEATURES

Tipo pompa <i>Pump type</i>	Cilindrata <i>Displacement</i>	Pressione <i>Pressure</i>			Velocità max. continua <i>Max. continuous speed</i>	Velocità max. intermittente <i>Max. intermittent speed</i>	Velocità min. <i>Min. speed</i>
		P1	P2	P3			
		cm³/rev bar	bar	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	1600	1800	
NPH-82	81.08	190	210	220	1500		
NPH-100	98.18	180	200				
NPH-125	122.72	160	180				

P1=Pressione max.continua

Max. continuous pressure

(100%)

P2=Pressione max. intermittente

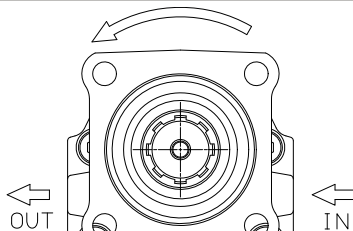
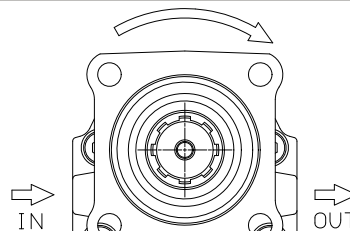
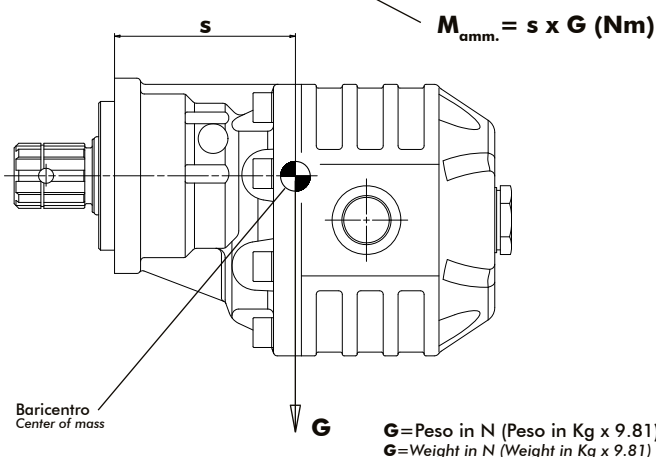
Max. Intermittent pressure

(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 pumpVista FRONTALE
FRONT**Rotazione oraria, pompa destra**
Clockwise rotation, right pumpVista FRONTALE
FRONT**MOMENTO PESO / MASS MOMENT****Tipo pompa - Pump type**

Tipo pompa - Pump type	S
NPH-17	93
NPH-22	94
NPH-27	96
NPH-34	99
NPH-43	101
NPH-51	103
NPH-61	106
NPH-73	110
NPH-82	113
NPH-100	121
NPH-125	130

PER MODIFICARE IL SENSO DI ROTAZIONE VEDERE ISTRUZ. 997-2-42
TO CHANGE THE DIRECTION OF ROTATION SEE INSTRUCTION 997-2-42**LA POMPA E' MUNITA DI PARAOLIO BIDIREZIONALE E DI CUSCINETTI A RULLI CONICI SULL'ALBERO DI USCITA**
THE PUMP IS COMPLETE WITH DOUBLE OIL-SEAL AND TAPERED ROLLER BEARING ON THE OUTPUT SHAFT