

POMPE AD INGRANAGGI 3 FORI-UNI 1° POMPA

3 HOLES-UNI HYDRAULIC GEAR PUMPS

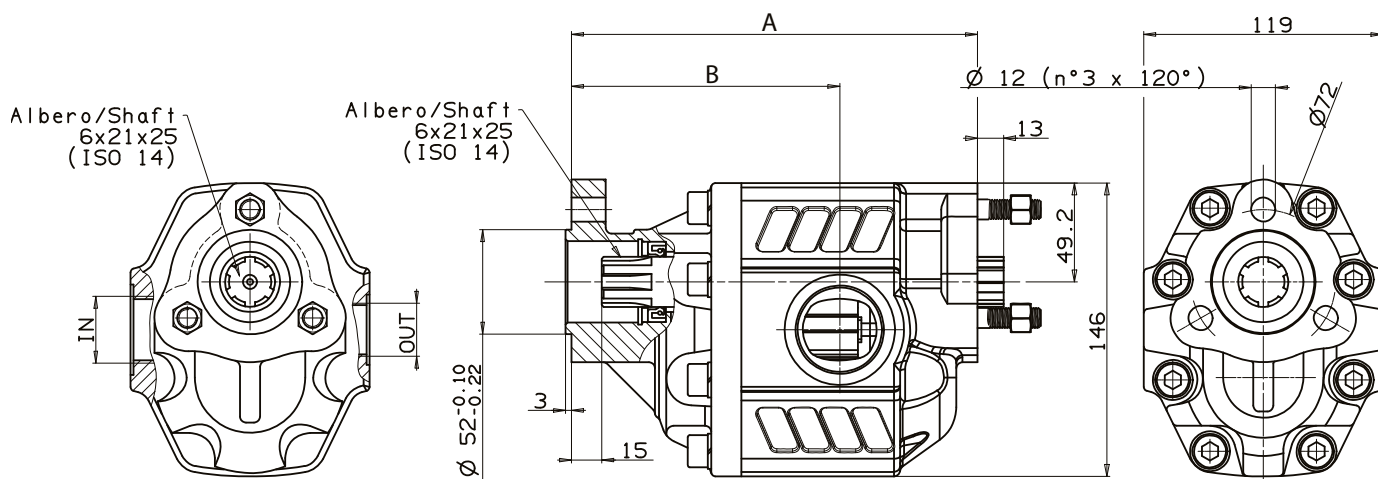
CODICE FAMIGLIA **105-023**
FAMILY CODE

TANDEM NPH UNI



Codice fascicolo: 997-400-10510

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 = mm ² /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 7 dicembre 2015

Tipo pompa Pump type	Rotazione Rotation		IN ISO 228	OUT ISO 228	A mm	B mm	Peso Weight Kg
	Destra Right	Sinistra Left					
NPH-17	105-023-00171	105-023-00180	G 1/2		164	103	9.6
NPH-22	105-023-00224	105-023-00233			167.5	105.5	9.8
NPH-27	105-023-00279	105-023-00288			170	108	10.1
NPH-34	105-023-00340	105-023-00359	G 3/4		175	108	10.5
NPH-43	105-023-00439	105-023-00448			181	114	11.02
NPH-51	105-023-00519	105-023-00528			186	114.5	11.3
NPH-61	105-023-00617	105-023-00626	G 1		192	120.5	11.8
NPH-73	105-023-00733	105-023-00742			200	119.5	12.4
NPH-82	105-023-00822	105-023-00831			G 1 1/4	205	126.5

Rev: A1

Codice foglio: 997-105-02301

PREDISPOSTA PER 2ª POMPA CON FLANGIA UNI
READY FOR 2ND PUMP WITH UNI FLANGE

pag.89

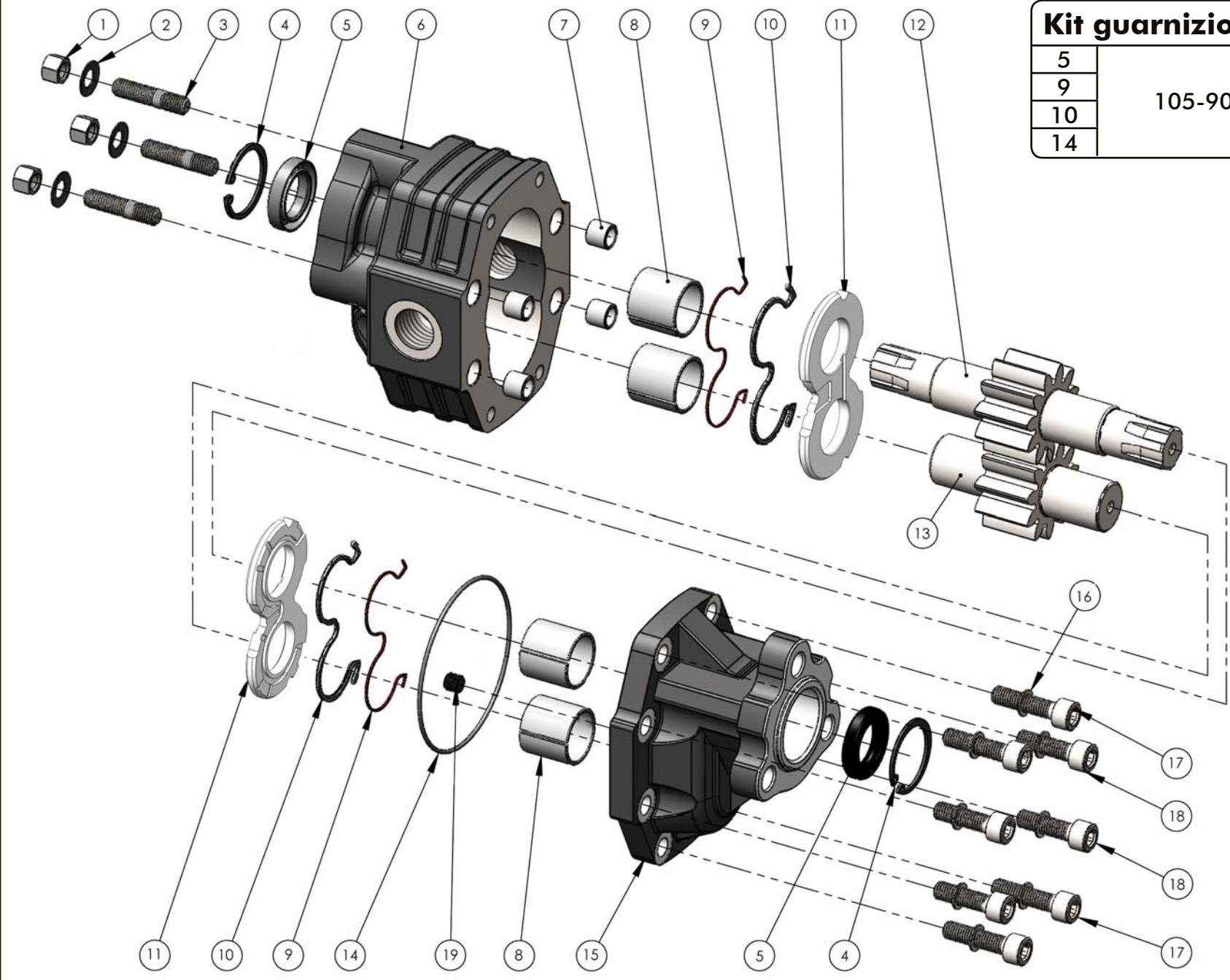
OMFB
HYDRAULIC COMPONENTS

O.M.F.B. S.p.A. Hydraulic Components
We reserve the right to make any changes without notice.
Edition 2003.03 No reproduction, however partial, is permitted.
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 GL
= ISO/TS 16949 =

Kit guarnizioni / Seal Kit

5	105-900-00188
9	
10	
14	



COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO/TS 16949 =

O.M.F.B. S.p.A. Hydraulic Components
We reserve the right to make any changes without notice.
Edition 2003.03 No reproduction, however partial, is permitted.
Via Cove, 7/9 25050 Pionaglio d'Isco (Brescia) Italy Tel.: +39 030 9830611
Fax: +39 030 9839207-208 Internet: www.omfb.it e-mail: info@omfb.it

pag.90



N° N°	17	22	27	34	43	51	61	73	82	Codice P. Number	Descrizione Description	Quantità Quantity
1	•	•	•	•	•	•	•	•	•	505-004-00014	Dado M10 CH14 H10 Nut M10 CH14 H10	3
2	•	•	•	•	•	•	•	•	•	501-018-00105	Rondella elastica Washer	3
3	•	•	•	•	•	•	•	•	•	503-004-00198	Prigioniero M10x30 Stud bolt M10x30	3
4	•	•	•	•	•	•	•	•	•	501-001-00373	Anello seeger Seeger ring	2
5	•	•	•	•	•	•	•	•	•	506-024-25401	Guarnizione paraolio Oil seal	2
6	•									517-009-00175	Corpo pompa Gear housing	1
		•								517-009-00228		
			•							517-009-00273		
				•						517-009-00344		
					•					517-009-00433		
						•				517-009-00513		
							•			517-009-00611		
								•	517-009-00737			
									•	517-009-00826		
7	•	•	•	•	•	•	•	•	•	501-003-00282	Spine forate di centraggio 14x12.5 Pins 14x12.5	4
8	•	•	•	•	•	•	•	•	•	533-004-00033	Boccola autolub. 28x32x30 Bushing 28x32x30	4
9	•	•	•	•	•	•	•	•	•	506-000-01097	Guarnizione antiestrusione Back-up ring	2
10	•	•	•	•	•	•	•	•	•	506-000-01088	Guarnizione per rasamento Thrust plate seal	2
11	•	•	•	•	•	•	•	•	•	510-010-00293	Rasamento ad occhiale Thrust plate	2
12	•									523-022-00176	Albero dentato conduttore Drive shaft	1
		•								523-022-00229		
			•							523-022-00274		
				•						523-022-00345		
					•					523-022-00434		
						•				523-022-00514		
							•			523-022-00612		
								•		523-022-00710		
								•	523-022-00827			
13	•									523-024-00174	Albero dentato condotto Driven shaft	1
		•								523-024-00227		
			•							523-024-00272		
				•						523-024-00343		
					•					523-024-00432		
						•				523-024-00512		
							•			523-024-00610		
							•		523-024-00736			
								•	523-024-00825			
14	•	•	•	•	•	•	•	•	•	506-000-01579	Guarnizione OR O-ring	1
15	•	•	•	•	•	•	•	•	•	518-003-00107	Coperchio anteriore Mounting cover	1
16	•	•	•	•	•	•	•	•	•	501-020-00101	Rondella elastica Washer	8
17	•	•	•	•	•	•	•	•	•	502-004-00574	Vite TCE M10x40 Screw M10x40	8
							•	•	•			4
18							•	•	•	502-004-00565	Vite TCE M10x35 Screw M10x35	4
19	•	•	•	•	•	•	•	•	•	504-010-00063	Grano conico 1/8" Plug 1/8"	1

CARATTERISTICHE TECNICHE DI FUNZIONAMENTO - TECHNICAL FEATURES

Tipo pompa Pump type	Cilindrata Displacement cm ³ /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	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		

P1=Pressione max.continua (100%)
 P2=Pressione max. intermittente (20 sec.max.)
 P3=Pressione max. di punta (6 sec.max.)
 Max. continuous pressure
 Max. Intermittent pressure
 Max. peak pressure

SENSO DI ROTAZIONE POMPA - DIRECTION OF ROTATION

Rotazione antioraria, pompa sinistra Anti-clockwise rotation, left pump	Rotazione oraria, pompa destra Clockwise rotation, right pump
<p>Vista FRONTALE FRONT</p>	<p>Vista FRONTALE FRONT</p>

MOMENTO PESO / MASS MOMENT

$M_{amm.} = s \times G \text{ (Nm)}$

Baricentro
Center of mass

G=Peso in N (Peso in Kg x 9.81)
 G=Weight in N (Weight in Kg x 9.81)

Tipo pompa - Pump type	S
NPH-17	95
NPH-22	97
NPH-27	99
NPH-34	101
NPH-43	104
NPH-51	107
NPH-61	111
NPH-73	115
NPH-82	119

PER MODIFICARE IL SENSO DI ROTAZIONE VEDERE ISTRUZ. 997-2-60
 TO CHANGE THE DIRECTION OF ROTATION SEE INSTRUCTION 997-2-60