

POMPE AD INGRANAGGI FISSAGGIO 4 FORI-ASAE FEMMINA

4 HOLES-ASAE HYDRAULIC GEAR PUMPS

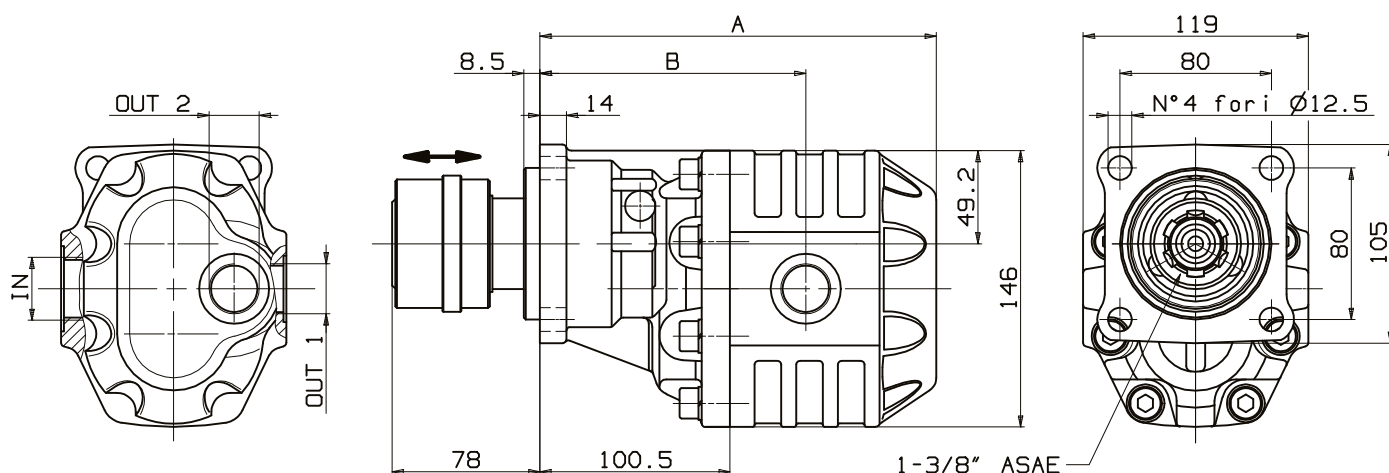
CODICE FAMIGLIA
FAMILY CODE

105-061-1

NPH ASAE-F



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 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	105-061-10173	105-061-10182	G 1/2	G 1/2		168.5	119.5	11
NPH-22	105-061-10226	105-061-10235				172	121.5	11.5
NPH-27	105-061-10271	105-061-10280				174.5	124.5	12
NPH-34	105-061-10342	105-061-10351	G 3/4			179.5	125	13
NPH-43	105-061-10431	105-061-10440				185.5	130	13.5
NPH-51	105-061-10511	105-061-10520				190.5	130.5	14
NPH-51 S203.14-2		105-061-30526	G1	G 3/4		190.5	130.5	14
NPH-61	105-061-10619	105-061-10628				196.5	136.5	14.5
NPH-73	105-061-10735	105-061-10744				204.5	135.5	15
NPH-82	105-061-10824	105-061-10833	G 1 1/4			209.5	140.5	15.5
NPH-100	105-061-11001	105-061-11010				226.5	154.5	15
NPH-125	105-061-11252	105-061-11261		G 1	G 3/4	242.5	158.5	17

pag.17

OMFB
HYDRAULIC COMPONENTS

O.M.F.B. Hydraulic Components
We reserve the right to make any changes without notice.
Edition 2003.02 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 9001 =

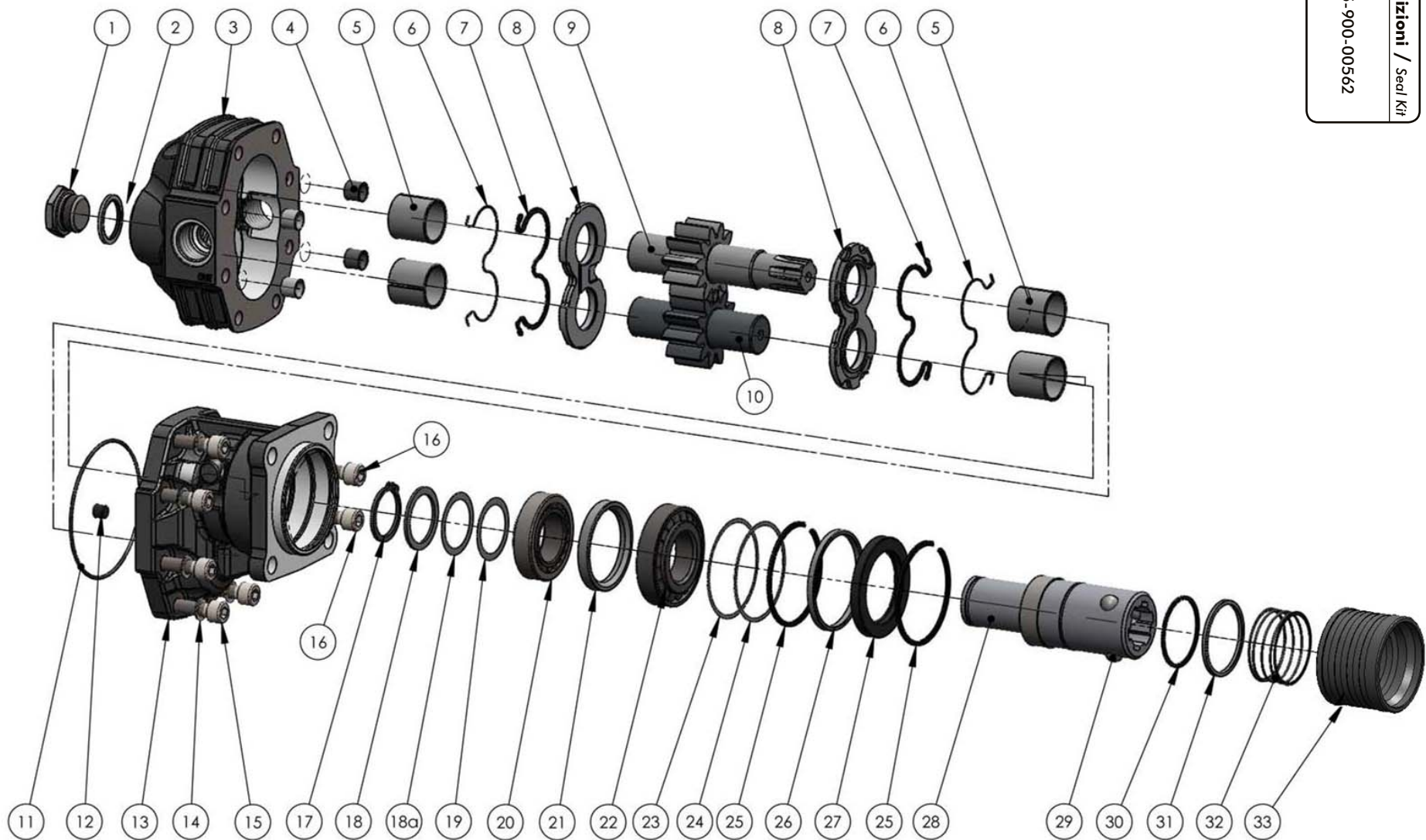
Codice fascicolo:997-400-10515

Data: Lunedì 20 febbraio 2012

Rev: AB

Codice foglio:997-105-06102

Kit guarnizioni / Seal Kit	
6	105-900-00562
7	
11	
27	



pag.18

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

O.M.F.B. Hydraulic Components
We reserve the right to make any changes without notice.
Edition 2003.02 No reproduction, however partial, is permitted.
Via Core 7/9 25050 Povegliano d'Isola (Brescia) Italy Tel.: +39 030 9830611
Fax: +39 030 9839207-208 Internet: www.omfb.it e-mail: info@omfb.it

OMFB
HYDRAULIC COMPONENTS



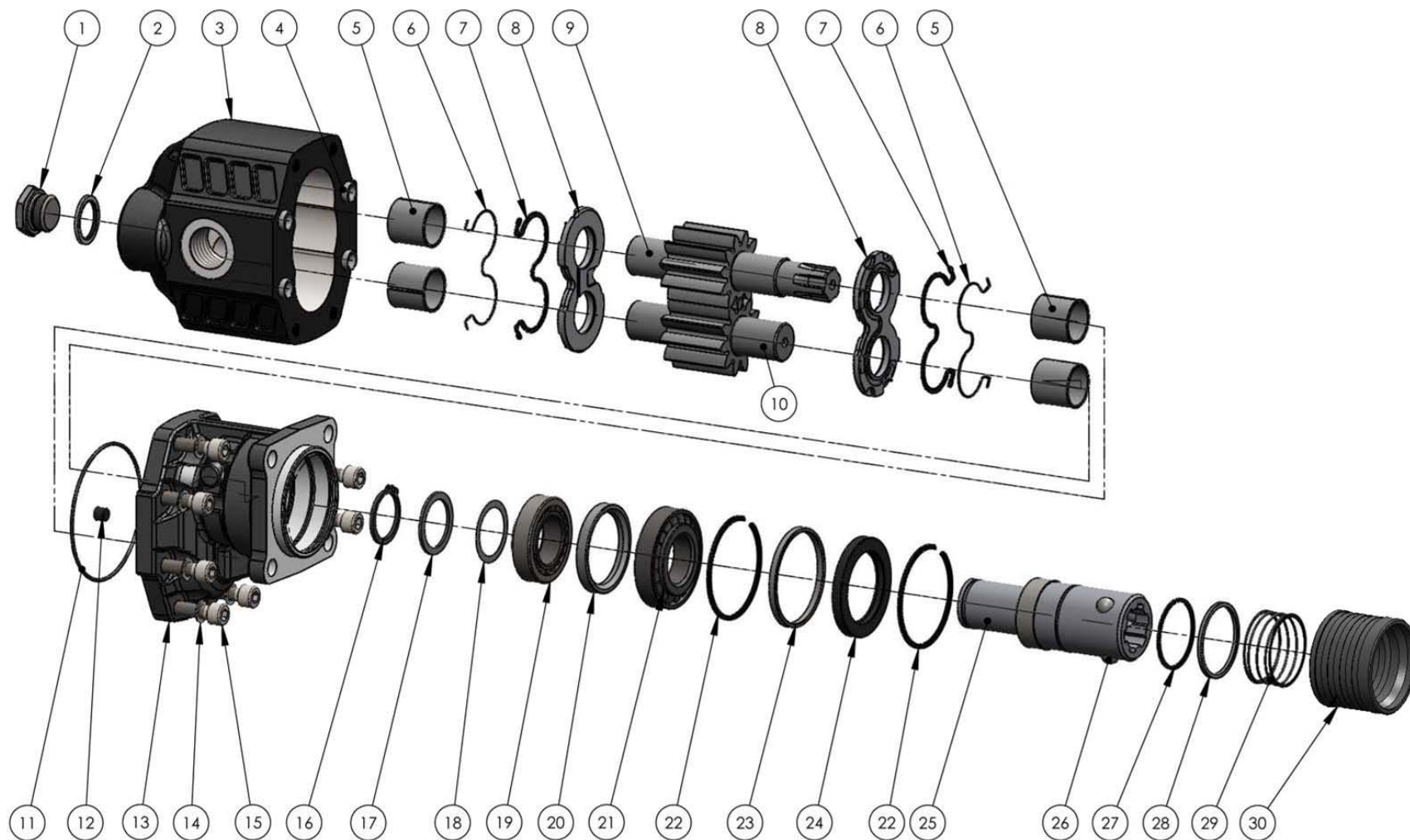
O.M.F.B. Hydraulic Components
We reserve the right to make any changes without notice.
Edition 2003.02 No reproduction, however partial, is permitted.
Via Cove, 719 25050 Poveglietto d'Isola (Brescia) Italy Tel.: +39 030 9830611
Fax: +39 030 9839207-208 Internet: www.omfb.it e-mail: info@omfb.it

pag. 19

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

N°	17	22	27	34	43	51	51	S203.14-2	61	73	82	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			
	.	.	.	.	.	.	.	.	.	.	.	517-010-00824			
4	.	.	.	.	.	.	.	.	.	.	.	501-003-00282	Spine forate di centraggio 14x12.5	Pins 14x12.5	4
5	.	.	.	.	.	.	.	.	.	.	.	533-004-00033	Boccola autolub. 28x32x30	Bushing 28x32x30	4
6	.	.	.	.	.	.	.	.	.	.	.	506-000-01097	Guarnizione antiestrusione	Back-up ring	2
7	.	.	.	.	.	.	.	.	.	.	.	506-000-01088	Guarnizione per rasamento	Thrust plate seal	2
8	.	.	.	.	.	.	.	.	.	.	.	510-010-00293	Rasamento ad occhio	Thrust plate	2
	.	.	.	.	.	.	.	.	.	.	.	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	Albero dentato condotto	Driven shaft	1
	.	.	.	.	.	.	.	.	.	.	.	523-020-00829			
	.	.	.	.	.	.	.	.	.	.	.	523-021-00177			
	.	.	.	.	.	.	.	.	.	.	.	523-021-00220			
	.	.	.	.	.	.	.	.	.	.	.	523-021-00275			
	.	.	.	.	.	.	.	.	.	.	.	523-021-00346			
	.	.	.	.	.	.	.	.	.	.	.	523-021-00435			
	.	.	.	.	.	.	.	.	.	.	.	523-021-00515	Albero dentato condotto	Driven shaft	1
	.	.	.	.	.	.	.	.	.	.	.	523-021-00613			
	.	.	.	.	.	.	.	.	.	.	.	523-021-00711			
	.	.	.	.	.	.	.	.	.	.	.	523-021-00828			
11	.	.	.	.	.	.	.	.	.	.	.	506-000-01579	Guarnizione OR (2x95)	O-ring (2x95)	1
12	.	.	.	.	.	.	.	.	.	.	.	504-010-00063	Grano conico 1/8"	Plug 1/8"	1
13	.	.	.	.	.	.	.	.	.	.	.	518-003-00116	Coperchio anteriore	Mounting cover	1
14	.	.	.	.	.	.	.	.	.	.	.	501-020-00101	Rondella elastica	Washer	8
15	.	.	.	.	.	.	.	.	.	.	.	502-004-00574	Vite TCE M10x40	Screw M10x40	8
	.	.	.	.	.	.	.	.	.	.	.				6
16	.	.	.	.	.	.	.	.	.	.	.	502-004-00565	Vite TCE M10x35	Screw M10x35	2
17	.	.	.	.	.	.	.	.	.	.	.	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 35x72x18	1
23	.	.	.	.	.	.	.	.	.	.	.	529-007-00995	Rondella 66x72x0.4	Washer 66x72x0.4	1
24	.	.	.	.	.	.	.	.	.	.	.	529-007-00986	Rondella 66x72x0.2	Washer 66x72x0.2	1
25	.	.	.	.	.	.	.	.	.	.	.	501-000-02729	Anello elastico	Circlip	2
26	.	.	.	.	.	.	.	.	.	.	.	530-001-00916	Distanziale paraolio	Oil seal spacer	1
27	.	.	.	.	.	.	.	.	.	.	.	506-028-50729	Guarnizione paraolio	Oil seal	1
28	.	.	.	.	.	.	.	.	.	.	.	114-005-00290	Manicotto femmina 1" 3/8 ASAE	Female coupling 1" 3/8 ASAE	1
	.	.	.	.	.	.	.	.	.	.	.	114-005-00361	Manicotto femmina S203.14-2	Female coupling 1" 3/8 ASAE FORM "A"	
29	.	.	.	.	.	.	.	.	.	.	.	510-009-00134	Sfera 1/2" ISO 20	Ball 1/2" ISO 20	3
30	.	.	.	.	.	.	.	.	.	.	.	501-000-00329	Anello elastico E-SW48X1.5	Circlip	1
31	.	.	.	.	.	.	.	.	.	.	.	530-001-00890	Distanziale per molla	Spring spacer	1
32	.	.	.	.	.	.	.	.	.	.	.	512-006-00535	Molla	Spring	1
33	.	.	.	.	.	.	.	.	.	.	.	534-000-00062	Anello centraggio	Ring	1

Kit guarnizioni / Seal Kit	
6	105-900-05802
7	
11	
24	



pag. 20

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

O.M.F.B. Hydraulic Components
We reserve the right to make any changes without notice.
Edition 2003.02 No reproduction, however partial, is permitted.
Via Core 7/9 25050 Poggio d'Isa (Brescia) Italy Tel.: +39 030 9830611
Fax: +39 030 9839207-208 Internet: www.omfb.it e-mail: info@omfb.it

OMFB
HYDRAULIC COMPONENTS



O.M.F.B. Hydraulic Components
We reserve the right to make any changes without notice.
Edition 2003.02 No reproduction, however partial, is permitted.
Via Cove, 719 25050 Povungio di Isco (Brescia) Italy Tel.: +39 030 9830611
Fax: +39 030 9839207-208 Internet: www.omfb.it e-mail: info@omfb.it

pag. 21

N°	100	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
	•	•	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	2
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 35x62x18	1
22	•	•	501-000-02729	Anello elastico	Circlip	2
23	•	•	530-001-00916	Distanziale paraolio	Oil seal spacer	1
24	•	•	506-028-50729	Guarnizione paraolio	Oil seal	1
25	•	•	114-005-00290	Manicotto femmina 1" 3/8 ASAE	Female coupling 1" 3/8 ASAE	1
26	•	•	510-009-00134	Sfera 1/2" ISO 20	Ball 1/2" ISO 20	3
27	•	•	501-000-00329	Anello elastico E-SW48X1.5	Circlip	1
28	•	•	530-001-00890	Distanziale per molla	Spring spacer	1
29	•	•	512-006-00535	Molla	Spring	1
30	•	•	534-000-00062	Anello centraggio	Ring	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	1500		
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

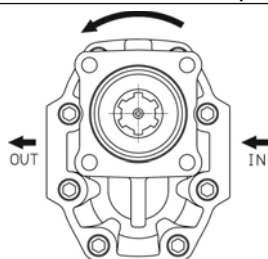
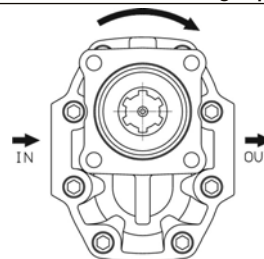
Max. Intermittent pressure

(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 pumpVista FRONTALE
FRONT**Rotazione oraria, pompa destra**
Clockwise rotation, right pumpVista FRONTALE
FRONT

Codice fascicolo: 997-400-10515

Data: Lunedì 20 febbraio 2012

Rev: AB

Codice foglio: 997-105-06102