

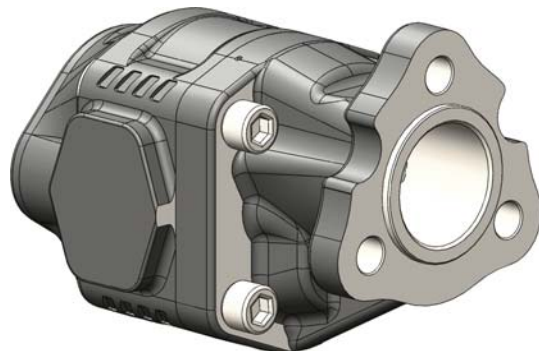
POMPE AD INGRANAGGI 3 FORI-13 DIN CON UTILIZZI POSTERIORI

3 HOLES-13 DIN
GEAR PUMPS WITH REAR PORTS

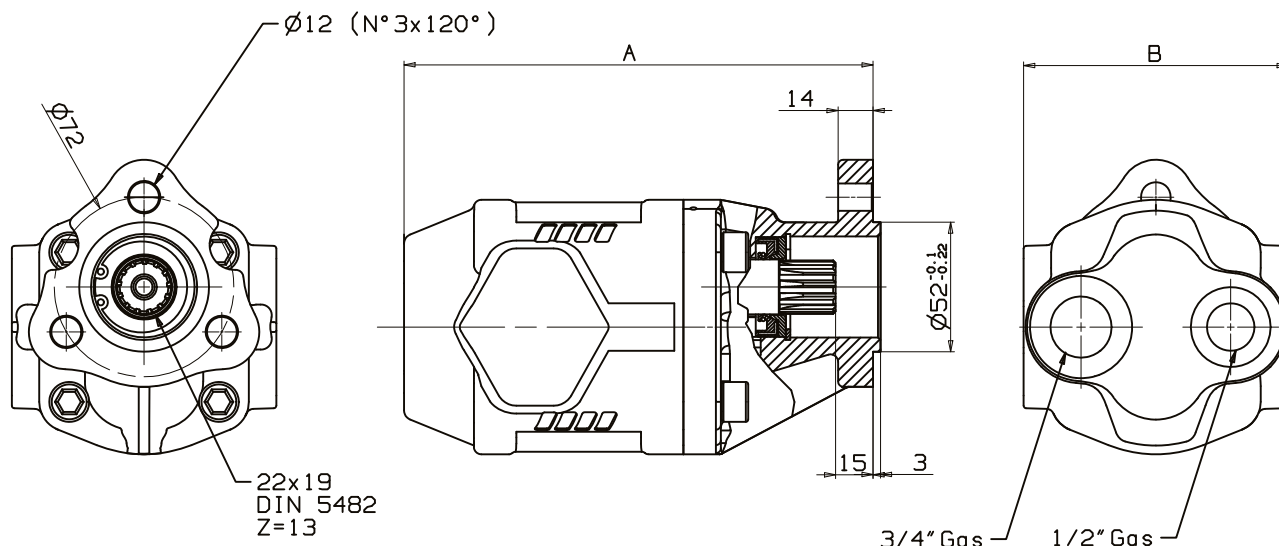
CODICE FAMIGLIA
FAMILY CODE

105-003

NPLA 13 DIN



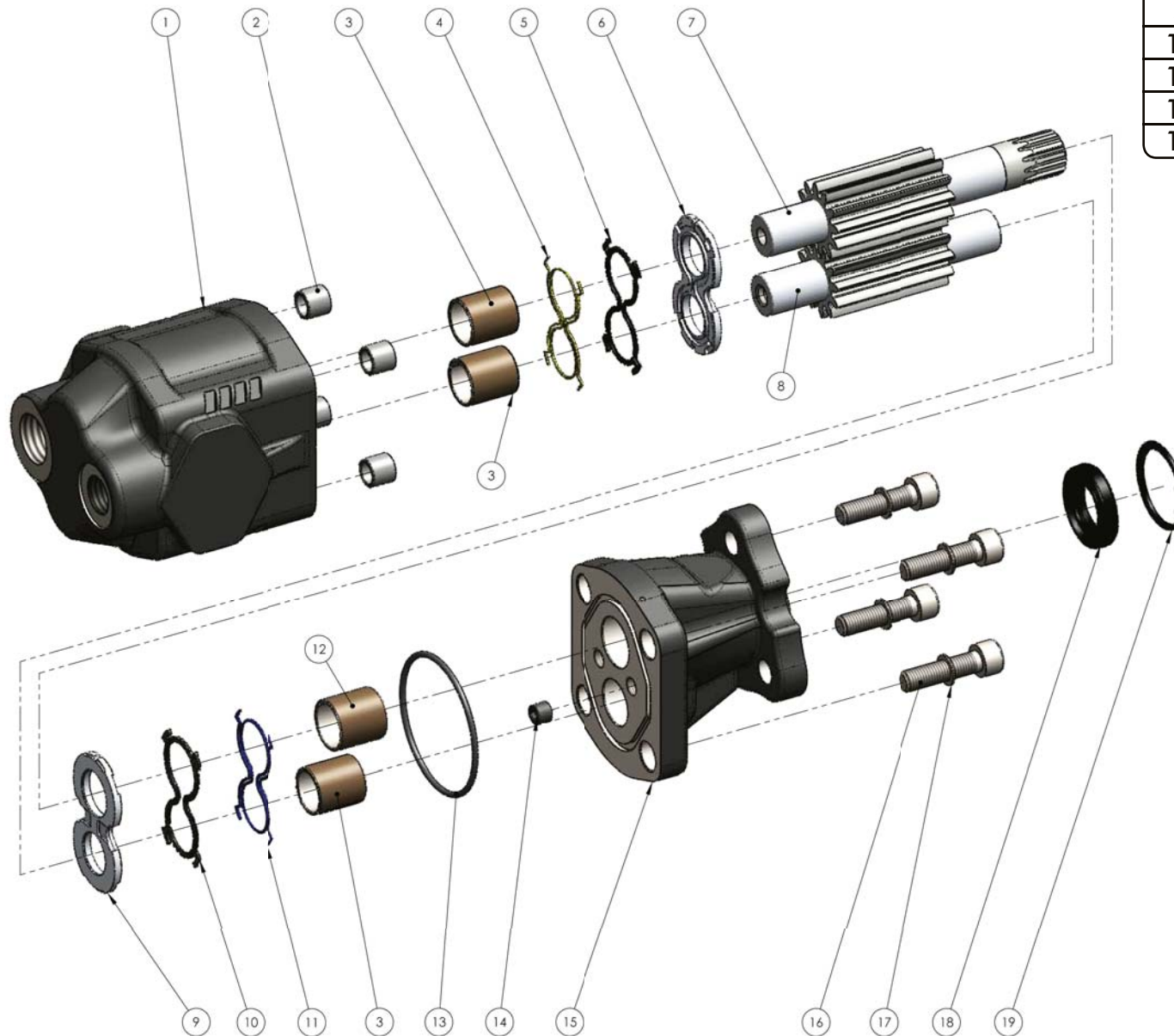
Fluido idraulico Fluid	Minerale o sintetico compatibile con guarnizioni: Mineral or synthetic compatible with the following seals: NBR, FKM, FPM, Nylon				
Viscosità cinematica consigliata Kinematic viscosity suggested	T media ambiente (°C) Average ambient temp. (°C)	< -10	-10 ÷ 10	10 ÷ 35	> 35
	VG (cSt = 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 Unidirectional		



Tipo pompa Pump type	Rotazione Rotation		IN ISO 228	OUT ISO 228	A mm	B mm	Peso Weight Kg
	Destra Right	Sinistra Left					
NPLA-06	105-003-00078	105-003-00069	G 3/4	G 1/2	132	98	5
NPLA-10	105-003-00111	105-003-00102			138		5.2
NPLA-12	105-003-00139	105-003-00120			144	102	5.4
NPLA-14	105-003-00157	105-003-00148			147,5		5.6
NPLA-16	105-003-00175	105-003-00166			154		5.9
NPLA-20	105-003-00219	105-003-00200			162		6.5
NPLA-25	105-003-00264	105-003-00255			173		7
NPLA-32	105-003-00335	105-003-00326			188		7.5
NPLA-40	105-003-00415	105-003-00406				106	

Kit guarnizioni / Seal Kit

4	105-900-00553
5	
10	
11	
13	
18	



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COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= IATF 16949 =

O.M.F.B. S.p.A. Hydraulic Components
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Via Core, 7/9 25050 Provaglio d'Iso (Brescia) Italy Tel.: +39 030 9830611
Fax: +39 030 9839207-208 Internet: www.omfb.it e-mail: comitit@omfb.it

OMFB
HYDRAULIC COMPONENTS

N°	06	10	12	14	16	20	25	32	40	Codice/Code	Descrizione / Description		Q.
1	.									517-027-00067	Corpo pompa	Gear housing	1
	.	.								517-027-00101			
			.							517-027-00129			
				.						517-027-00147			
					.					517-027-00165			
						.				517-027-00209			
							.			517-027-00254			
								.		517-027-00325			
									.	517-027-00405			
2	.	.	.	.	.	.	.	.	.	501-003-00282	Spine forate di centraggio 14x12.5	Pins 14x12.5	4
3	.	.	.	.	.	.	.	.		533-004-00122	Boccola autolub. 20x23x20	Bushing 20x23x20	3
									.	533-004-00239	Boccola autolub. 20x23x25	Bushing 20x23x25	
4	.	.	.	.	.	.	.	.	.	506-000-02390	Guarnizione antiestrusione	Back-up ring	1
5	.	.	.	.	.	.	.	.	.	506-000-02381	Guarnizione per rasamento	Thrust plate seal	1
6	.	.	.	.	.	.	.	.	.	510-010-00275	Rasamento ad occhiale	Thrust plate	1
7	.									523-015-00068	Albero dentato conduttore	Drive shaft	1
		.								523-015-00102			
			.							523-015-00120			
				.						523-015-00148			
					.					523-015-00166			
						.				523-015-00200			
							.			523-015-00255			
								.		523-015-00326			
8	.									523-015-00406	Albero dentato condotto	Driven shaft	1
		.								523-015-00077			
			.							523-015-00111			
				.						523-015-00139			
					.					523-015-00157			
						.				523-015-00175			
							.			523-015-00219			
								.		523-015-00264			
9	.	.	.	.	.	.	.	.	.	510-010-00266	Rasamento ad occhiale	Thrust plate	1
10	.	.	.	.	.	.	.	.	.	506-000-02336	Guarnizione per rasamento	Thrust plate seal	1
11	.	.	.	.	.	.	.	.	.	506-000-02345	Guarnizione antiestrusione	Back-up ring	1
12	.	.	.	.	.	.	.	.	.	533-004-00113	Boccola autolub. 22x25x25	Bushing 22x25x25	1
13	.	.	.	.	.	.	.	.	.	506-002-00701	Guarnizione OR	O-Ring	1
14	.	.	.	.	.	.	.	.	.	504-010-00063	Grano conico 1/8"	Plug 1/8"	1
15	.	.	.	.	.	.	.	.	.	518-003-00250	Coperchio anteriore	Mounting cover	1
									.	518-003-00394			
16	.	.	.		.	.	.	.	.	502-004-00565	Vite TCE M10x35 UNI 5931	Screw M10x35 UNI 5931	4
				.	.	.	.	.	.	502-004-00574	Vite TCE M10x40 UNI 5931	Screw M10x40 UNI 5931	
17	.	.	.	.	.	.	.	.	.	501-020-00101	Rondella elastica Schnorr	Washer Schnorr	4
18	.	.	.	.	.	.	.	.	.	506-024-22405	Guarnizione paraolio	Oil seal	1
19	.	.	.	.	.	.	.	.	.	501-001-00373	Anello elastico	Circlip	1

CARATTERISTICHE TECNICHE DI FUNZIONAMENTO**TECHNICAL FEATURES**

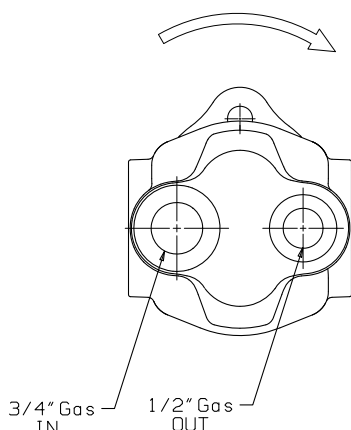
Tipo pompa Pump type	Cilindrata Displacement cm³/rev	Pressione Pressure			Velocità max. continua Max. continuous speed rpm	Velocità max. intermittente Max. intermittent speed rpm	Velocità min. Min. speed rpm
		P1 bar	P2 bar	P3 bar			
NPLA-06	6,3	200	220	240	2200	3000	300
NPLA-10	10,062						
NPLA-12	11,92						
NPLA-14	13,8						
NPLA-16	16,035						
NPLA-20	20,123						
NPLA-25	25,154						
NPLA-32	32,042	180	200	220	2000	2800	
NPLA-40	39,933	150	170	190	1800	2500	

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

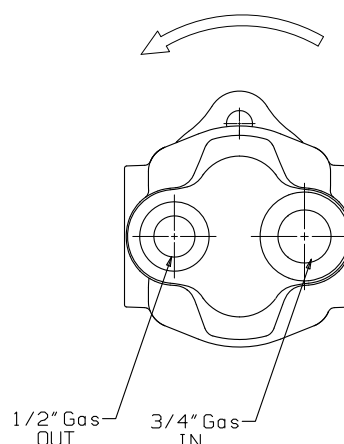
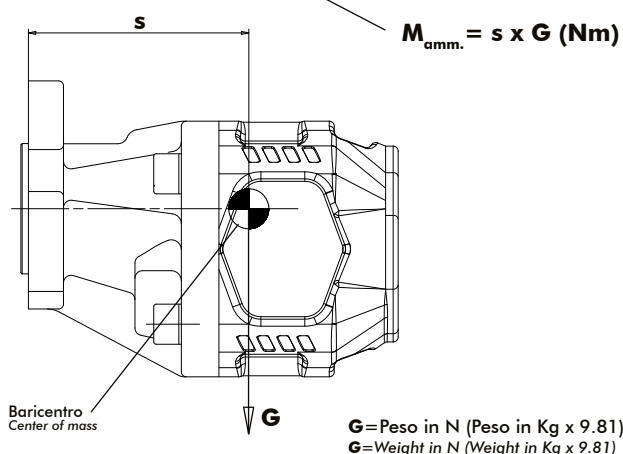
Max. continuous pressure (100%)
Max. Intermittent pressure (20 sec.max.)
Max. peak pressure (6 sec.max.)

IDENTIFICAZIONE ASPIRAZIONE/MANDATA:**SUCTION/DELIVERY IDENTIFICATION:**

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



Rotazione oraria, pompa destra
Clockwise rotation, right pump

**MOMENTO PESO / MASS MOMENT**

Tipo pompa - Pump type	S
NPLA-06	82.5
NPLA-10	83
NPLA-12	84
NPLA-14	85.5
NPLA-16	87
NPLA-20	91
NPLA-25	93
NPLA-32	102
NPLA-40	108