

POMPE A PISTONI AD ASSE INCLINATO BENT AXIS PISTON PUMPS

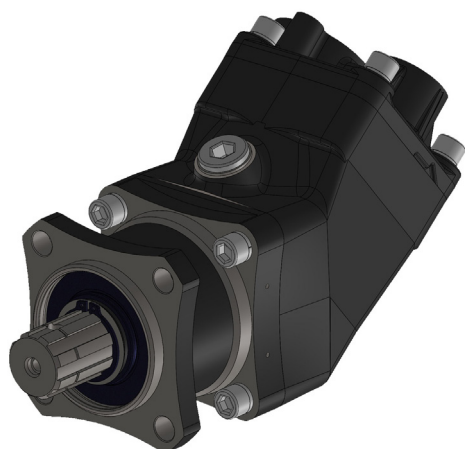
CODICE FAMIGLIA
FAMILY CODE

601001
603001

"HDS"
"MDS"

Flangia/Flange
Albero/Shaft
Cilin./Displ.

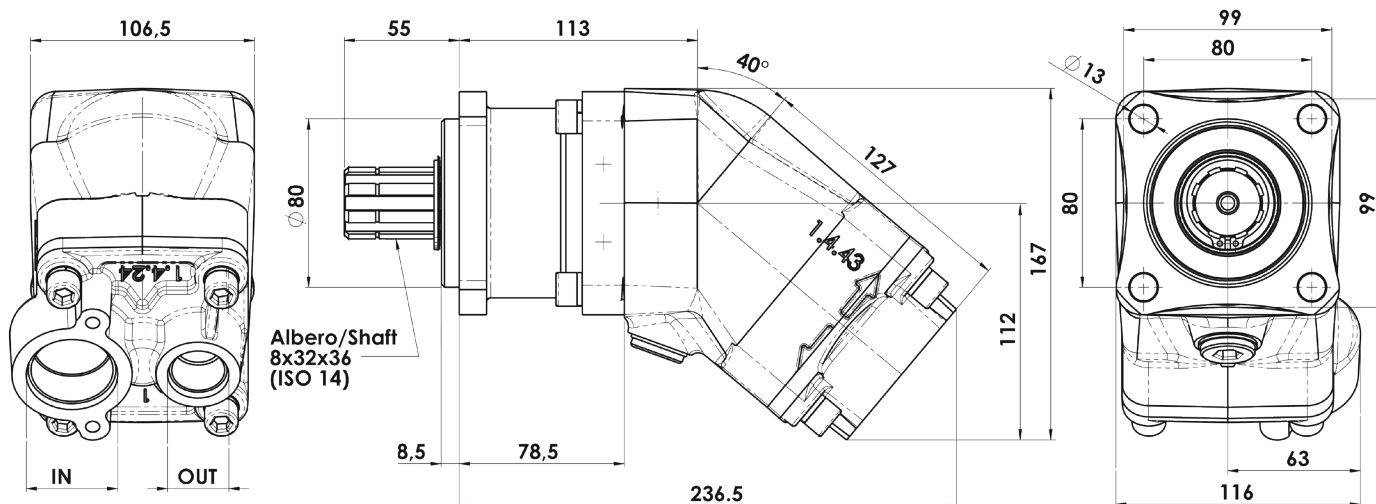
ISO
ISO14 8x32x36
40-47-55-64-80



99740060010

Fluido idraulico Fluid	Minerale o sintetico compatibile con guarnizioni: Mineral or synthetic compatible with the following seals: FKM, FPM, HNBR				
Viscosità cinematica consigliata Kinematic viscosity suggested	T media ambiente (°C) Average ambient temp. (°C)	< -40	-40÷10	10÷35	> 35
	VG (cSt = mm²/s)	16	22	32	46
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 -40°C ÷ 140°C		
Grado di filtrazione Oil filtering			> 200 bar: 10 µm < 200 bar: 25 µm		
Pres. di aspirazione Inlet pressure			0,85 ÷ 2 bar assoluti/absolut		
Senso di rotazione Pump rotation			Unidirezionale (Dx o Sx) Unidirectional (Right or Left)		
Verificare che la pompa sia posizionata almeno 100 mm sotto il livello minimo del serbatoio olio. Prima di avviare la pompa effettuare spurgo aria. Verify that pump is, at least, 100 mm under the minimum level of the tank. Before starting the pump bleed the air.					

Dimensions in mm

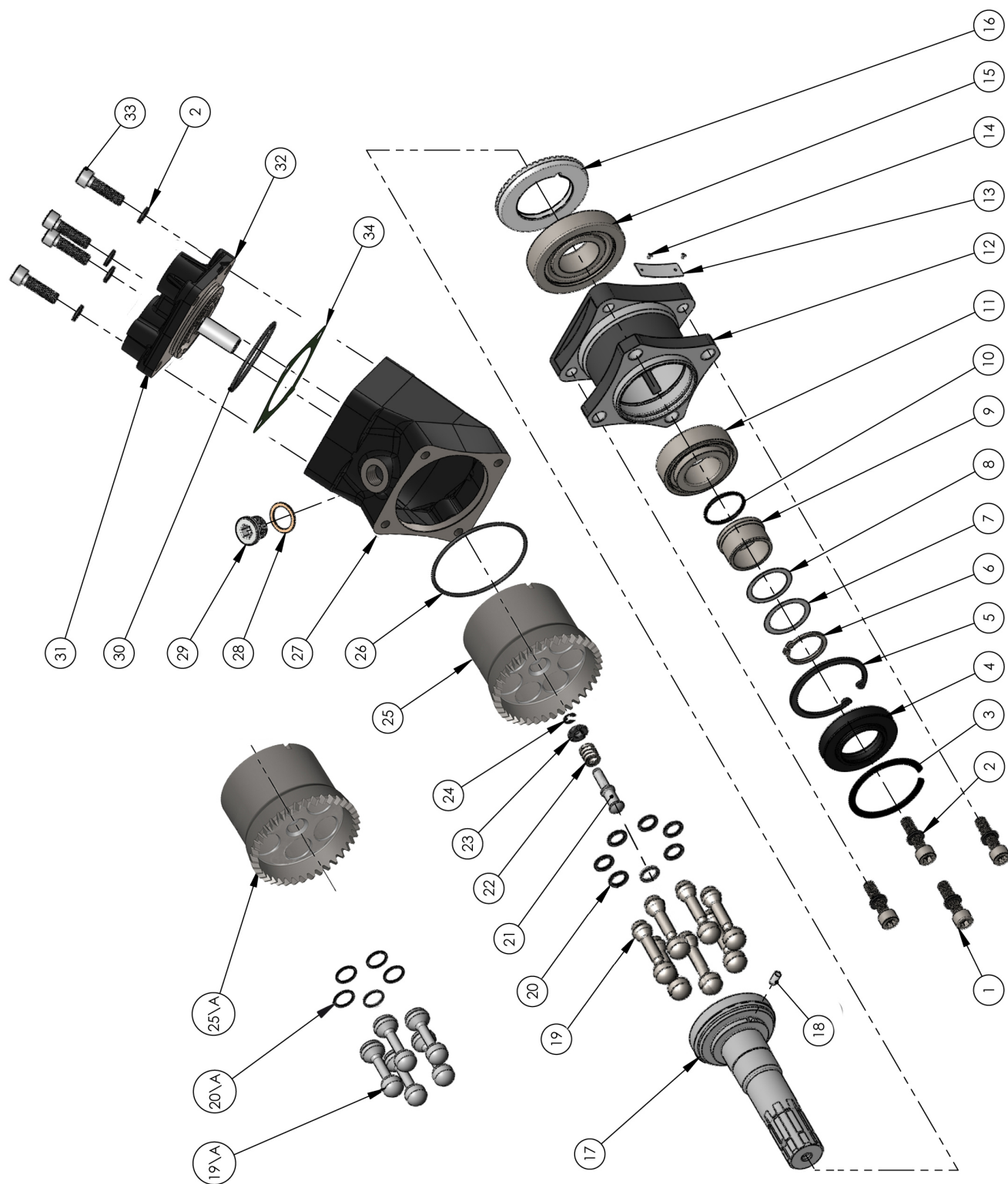


Tipo pompa Pump type	Rotazione Rotation		IN	OUT
	Destra Right	Sinistra Left		
HDS-40	60100110403	60100110409	ISO 228 G 1 1/4"	ISO 228 G 3/4"
HDS-47	60100110473	60100110479		
HDS-55	60100110553	60100110559		
HDS-64	60100110643	60100110649		
MDS-80	60300110803	60300110809		
HDS-40	60100150403	60100150409	ISO 725 1 5/8-12 UN-2B SAE 20	ISO 725 1 1/16-12 UN-2B SAE 12
HDS-47	60100150473	60100150479		
HDS-55	60100150553	60100150559		
HDS-64	60100150643	60100150649		
MDS-80	60300150803	60300150809		

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07/03/2017

99760101515 Rev. AA



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99760101515 Rev: AA

N°	HDS 40	HDS 47	HDS 55	HDS 64	MDS 80	Codice P. Number	Descrizione Description	Q.tà Q.ty
1	•	•	•	•	•	50200400574	Vite TCE M 10x40 UNI 5931	4
2	•	•	•	•	•	50100800054	Rosetta elastica x M10 DIN 7980	4
3	•	•	•	•	•	50100002729	Anello elastico E-SB 72x2	1
4	•	•	•	•	•	50600024272	Parallolo HNBR	1
5	•	•	•	•	•	50100100677	Anello elastico Ø72.1	1
6	•	•	•	•	•	50100001355	Anello seeger rinforzato AS UNI 7436	1
7	•	•	•	•	•	52900701127	Rondella 44x35x0.2	1
8	•	•	•	•	•	52900700226	Rondella 44x35x0.1	1
9	•	•	•	•	•	51100200200	Bussola	1
10	•	•	•	•	•	50600013137	Guarnizione OR 3137 HNBR	1
11	•	•	•	•	•	51000200220	Cuscinetto a rulli conici	1
12	•	•	•	•	•	51700201163	Corpo anteriore	1
13	•	•	•	•	•	51300000011	Targhetta completa	1
14	•	•	•	•	•	51300000011	Chiodino fissaggio targhetta	2
15	•	•	•	•	•	51000200275	Cuscinetto a rulli conici	1
16	•	•	•	•	•	52501100255	Corona dentata	1
17	•	•	•	•	•	52200500231	Albero	1
18	•	•	•	•	•	52200500204	Spina UNI 6364-A Ø6x14	1
19	•	•	•	•	•	53200500285	Pistone sferico	7
19a	•	•	•	•	•	53200500014	Fasce elastiche	5
20	•	•	•	•	•	50102300046	Perno sferico con guida albero	21
20a	•	•	•	•	•	50102300019	Molla di carico corpo cilindri	15
21	•	•	•	•	•	54200100162	Anello guida molla	1
22	•	•	•	•	•	51200500812	Anello seeger RS 6 DIN 6799	1
23	•	•	•	•	•	54200100171	Gruppo corpo cilindri sede pistoni	1
24	•	•	•	•	•	50101500028	Guarnizione OR 3350 HNBR	1
25	•	•	•	•	•	50002916040	Corpo intermedio	1
25a	•	•	•	•	•	50002916047	Rondella acciaio/gomma 1/2"	1
26	•	•	•	•	•	50002916055	Tappo cieco 1/2" DIN 908	1
27	•	•	•	•	•	50002916064	Guarnizione OR 3275 HNBR	1
28	•	•	•	•	•	50002916080	Gruppo corpo posteriore	1
29	•	•	•	•	•	50600013350	Rear cover assembly	1
30	•	•	•	•	•	51700201421	O-Ring 3350 HNBR	1
31	•	•	•	•	•	11600910129	Interm. housing	1
32	•	•	•	•	•	11500600135	Washer 1/2"	1
33	•	•	•	•	•	50600013275	Blank plug 1/2" DIN 908	1
34	•	•	•	•	•	50002990400	O-ring OR 3275 HNBR	1
35	•	•	•	•	•	50002990419		
36	•	•	•	•	•	50002990473		
37	•	•	•	•	•	50002990482		
38	•	•	•	•	•	50002990553		
39	•	•	•	•	•	50002990562		
40	•	•	•	•	•	50002990642		
41	•	•	•	•	•	50002990651		
42	•	•	•	•	•	50002990802		
43	•	•	•	•	•	50002990811		
44	•	•	•	•	•	50100800054	Rosetta elastica x M10 DIN 7980	4
45	•	•	•	•	•	50200400565	Vite TCE M10x35 UNI 5931	4
46	•	•	•	•	•	50700000229	Guarnizione piastra	1
47	•	•	•	•	•	50700000532	Gasket	1

A = alternative

CARATTERISTICHE TECNICHE DI FUNZIONAMENTO / TECHNICAL FEATURES

Tipo pompa Pump type	Cilindrata Displacement cm ³ /rev	Pressione Pressure		Velocità / Speed			Velocità min. Min. speed rpm	Peso Weight kg
		P1 bar	P3 bar	V0 rpm	V1 rpm	V2 rpm		
HDS-40	41.25	350	400	2700	1900	2500	300	12,3
HDS-47	47.13							
HDS-55	56.70							
HDS-64	63.56							
MDS-80	77.25	250	300	2300	1800	2100		12

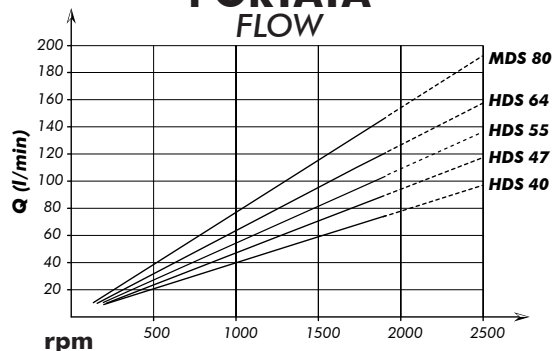
P1=Pressione max.continua
P3=Pressione max. di punta

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

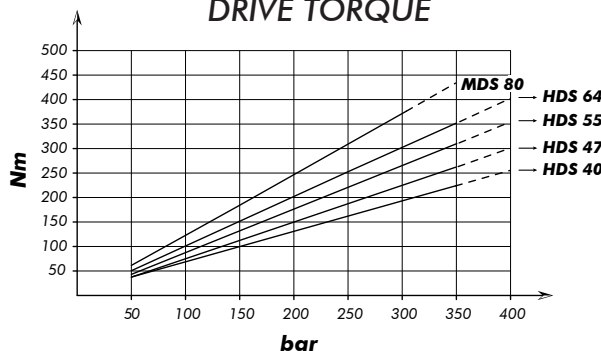
V0=Max. continua vuoto
V1=Max. continua
V2=Max. intermittente

Max. continuous speed without load
Max. continuous speed
Max. intermittent speed

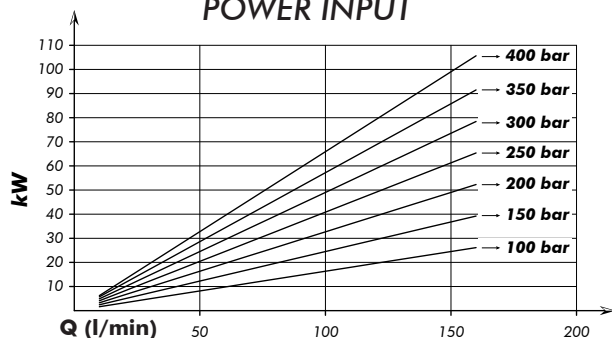
PORTATA FLOW



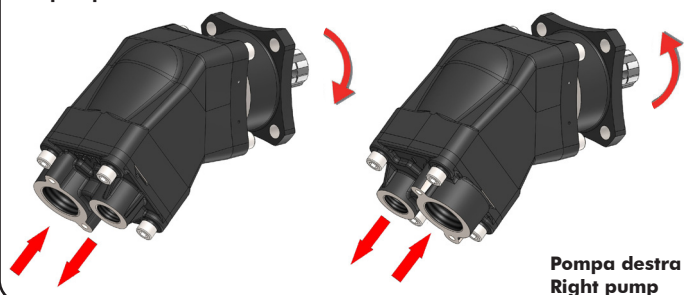
COPPIA ASSORBITA DRIVE TORQUE



POTENZA ASSORBITA POWER INPUT

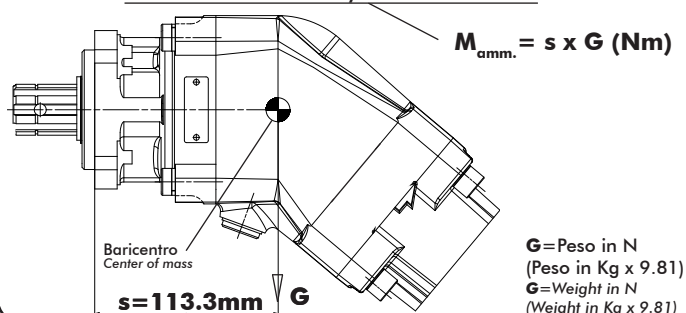


Pompa sinistra
Left pump



Pompa destra
Right pump

MOMENTO PESO / MASS MOMENT



SCELTA DEL TUBO DI ASPIRAZIONE HOW TO CHOOSE THE SUCTION PIPE SIZE

Q Portata Flow l/min	Ø interno min. tubo Min pipe diam. mm inch		Velocità flusso Flow speed (m/s)
20	25	1"	0,68
30	32	1" 1/4	0,62
40	32		0,83
50	38	1" 1/2	0,74
60	38		0,88
70	40	1" 9/16	0,93
80	45	1" 3/4	0,84
90	45		0,94
100	50	2"	0,85
110	50		0,93
120	60	2" 3/8	0,71
130	60		0,77
140	60		0,83
150	60		0,88
160	63	2" 1/2	0,86
170	63		0,91
180	63		0,96

Per garantire corrette condizioni di aspirazione la velocità del flusso non deve superare 1 m/sec.
To ensure the proper suction pipe size the flow speed should not exceed 1mt/sec.

Kit guarnizioni / Seal Kit
10890347648