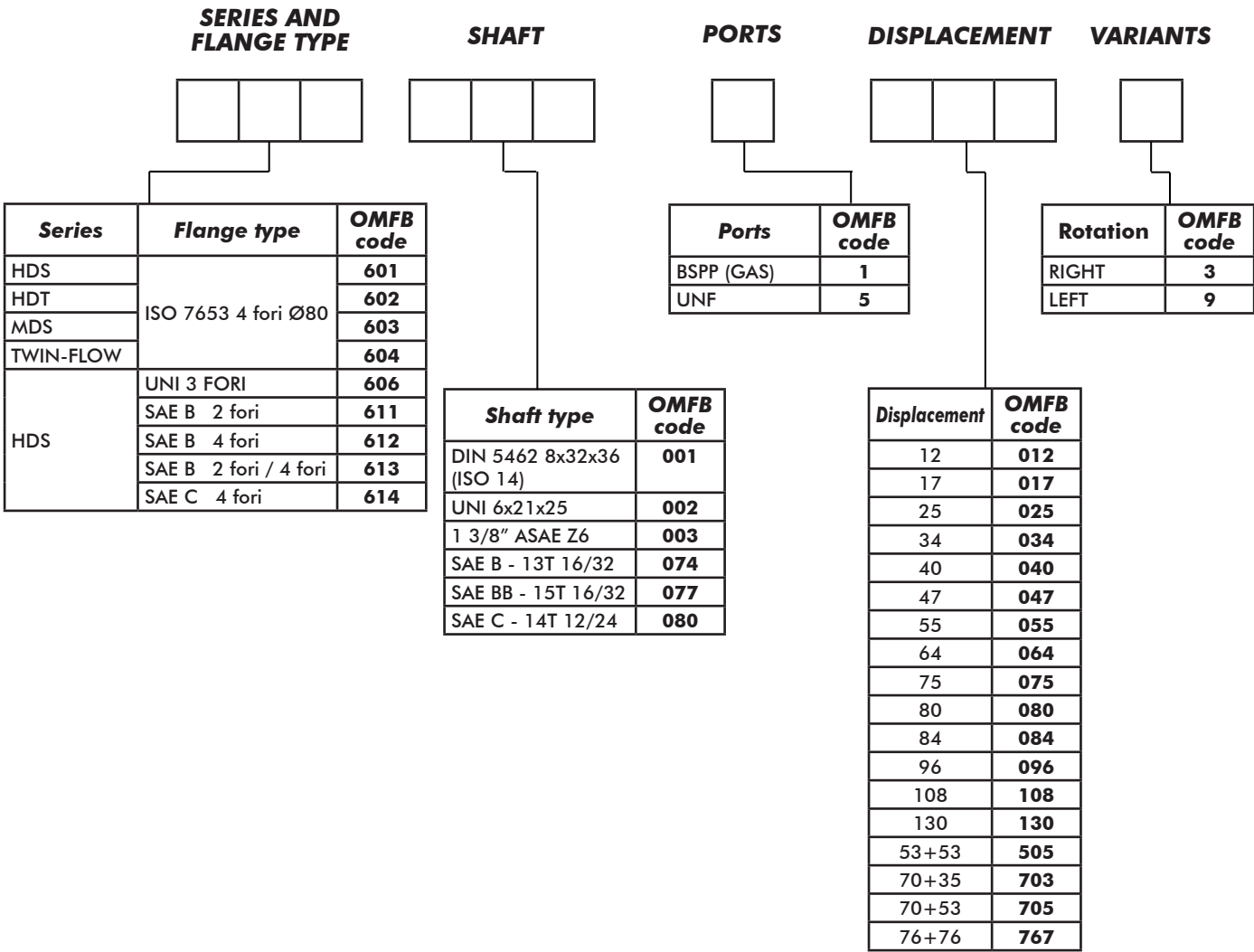


PISTON PUMPS
RANGE

"HDS" "MDS"
"HDT"

VERSIONS CODING



99740060010

POMPE A PISTONI
AD ASSE INCLINATO
BENT AXIS PISTON PUMPS

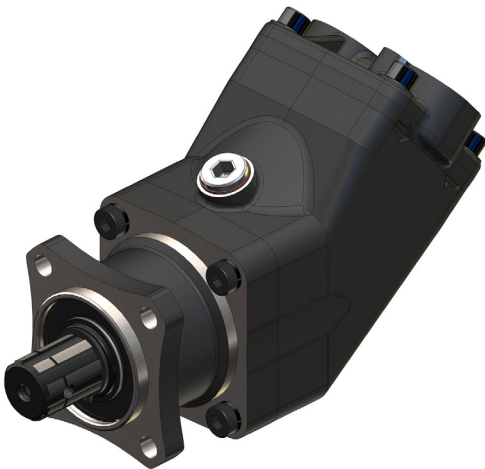
CODICE FAMIGLIA
FAMILY CODE

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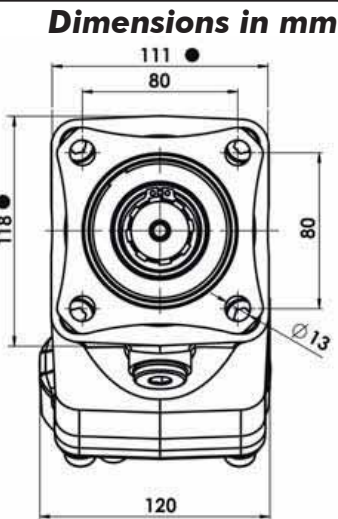
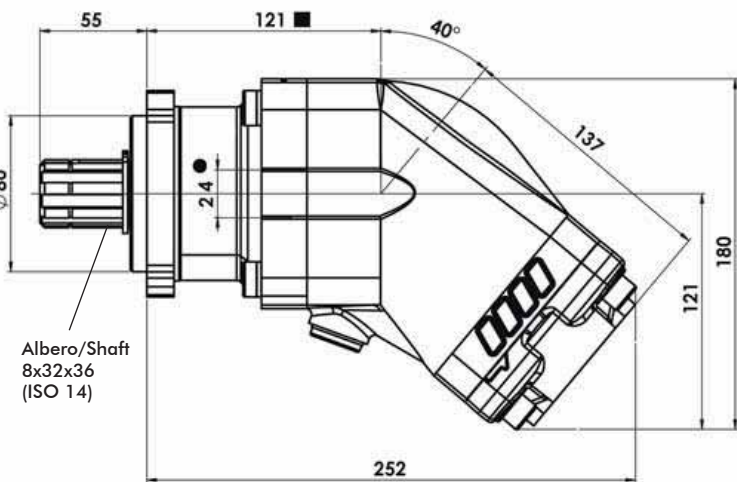
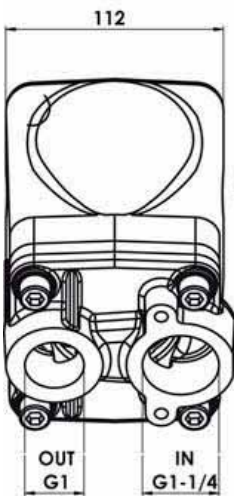
"HDT"

Flangia/Flange
Albero/Shaft
Cilin./Displ.

ISO
ISO14 8x32x36
75-84-96-108



Fluido idraulico Fluid	Minerale o sintetico compatibile con guarnizioni: Mineral or synthetic compatible with the following seals: HNBR				
Temp. consentita Allowed temperature	-40 +140 °C				
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		
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.					



● Larghezza minima corpo a quota indicata
Minimum bodywidth at indicated measurement

Tipo pompa Pump type	Rotazione Rotation		IN	OUT
	Destra Right	Sinistra Left		
HDT-75	60200110753	60200110759	ISO 228	ISO 228
HDT-84	60200110843	60200110849	G 1 1/4"	G 1"
HDT-96	60200110963	60200110969		
HDT-108	60200111083	60200111089		
			ISO 725	ISO 725
HDT-75	60200150753	60200150759	1 5/8-12 UN-2B SAE 20	1 5/16-12 UN-2B SAE 16
HDT-84	60200150843	60200150849		
HDT-96	60200150963	60200150969		
HDT-108	60200151083	60200151089		

OMFB

HYDRAULIC COMPONENTS

pag.43

O.M.F.B. S.p.A. Hydraulic Components

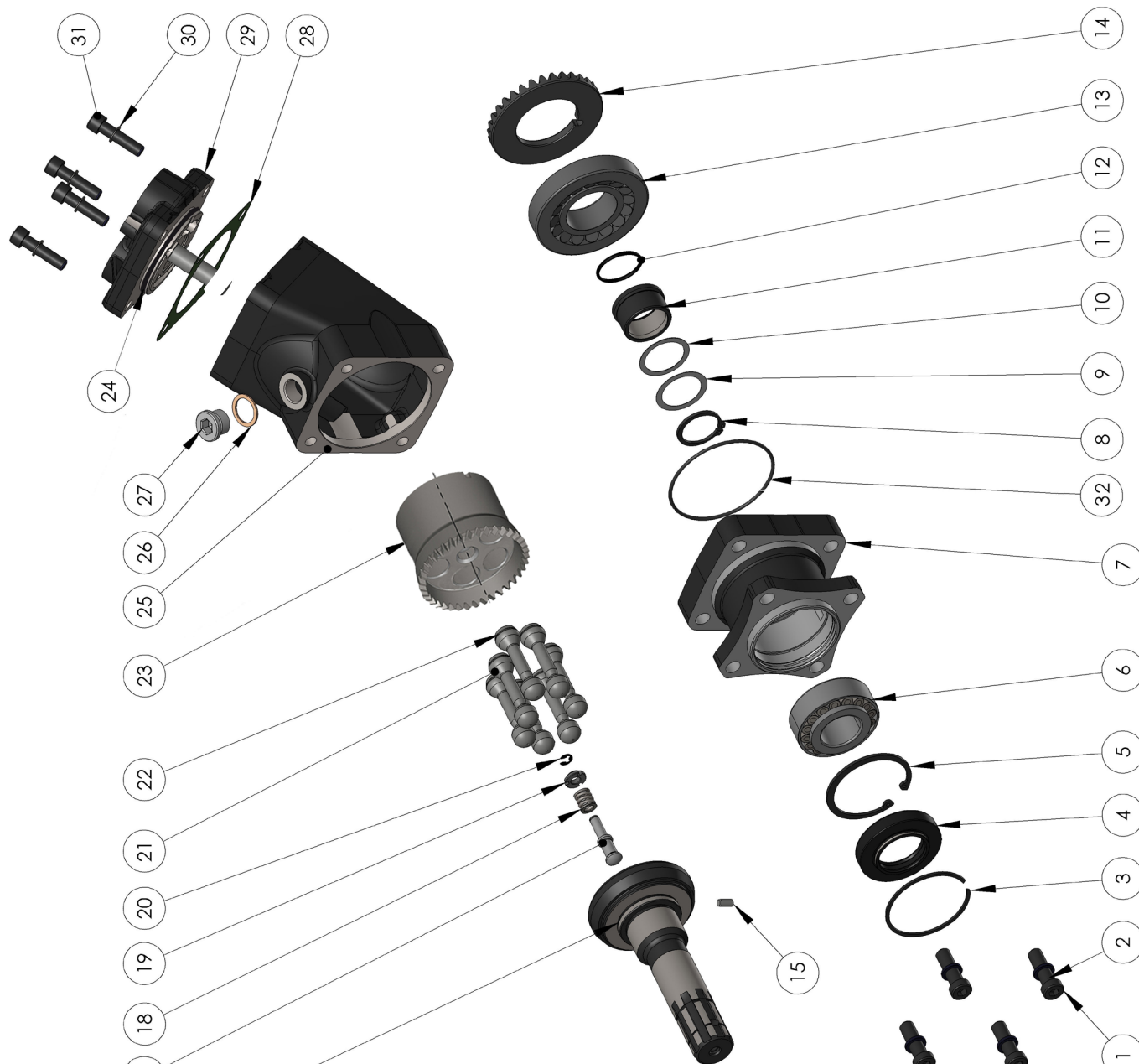
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99740060010

07/03/2017

HDT 96 SAE	HDT 108 GAS	Codice / Code	Descrizione / Description	Q.
•	•	50200500564	Vite TCE M 12x40	4
•	•	50102000129	Rosetta elastica	4
•	•	50100002729	Anello elastico	1
•	•	50600024272	Paraolio	1
•	•	50100100677	Anello elastico	1
•	•	51000200220	Cuscinetto a rulli conici	1
•	•	51700201707	Corpo anteriore	1
•	•	50100001355	Anello seeger	1
•	•	52900700226	Rondella	1
•	•	52900701127	Rondella	1
•	•	51100200200	Bussola	1
•	•	50600013137	Guarnizione OR 3137 HNBR	1
•	•	51000200294	Cuscinetto a rulli conici	1
•	•	52501100282	Corona dentata	1
•	•	50100306142	Spina UNI 6364-A	1
•	•	52200500375	Albero	1
•	•	54200100162	Perno sferico con guida albero	1
•	•	51200500812	Molla di carico corpo cilindri	1
•	•	54200100171	Anello guida molla	1
•	•	50101500028	Anello seeger	1
•	•	53200500294	Pistone sferico	7
•	•	53200500034		
•	•	53200500276		
•	•	53200500070		
•	•	50102300019		
•	•	50102300037		
•	•	50102300091		
•	•	50102300055		
•	•	50002916075		
•	•	50002916085		
•	•	50002916096		
•	•	50002916109		
•	•	50600013300	Guarnizione OR 3300 HNBR	1
•	•	51700201458	Corpo intermedio	1
•	•	11600910129	Rondella acciaio/gomma 1/2	1
•	•	11500600135	Tappo cieco	1
A	A	50700000381	Guarnizione piastra	1
A	A	50700000489		
•	•	50002980751		
•	•	50002980760		
•	•	50002980859		
•	•	50002980868		
•	•	50002980966		
•	•	50002980975		
•	•	50002981107		
•	•	50002981116		
•	•	50102000101	Rosetta SCHNORR	4
•	•	50200400574	Vite TCE M10x45	4
•	•	50600012387	Guarnizione OR 2387 HNBR	1

ТОВ "Промислова Гідравліка": <https://promhydraulic.com.ua/ua/>

Телефонуйте: +380 (95) 670-15-32, +380 (98) 533-91-67, +380 (96) 244-48-42

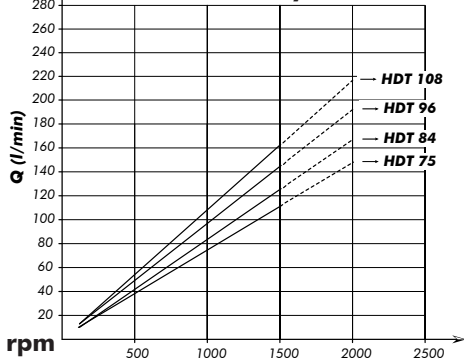
CARATTERISTICHE TECNICHE DI FUNZIONAMENTO / TECHNICAL FEATURES

Tipo pompa Pump type	Cilindrata Displacement cm ³ /rev	Pressione Pressure P1 bar P3 bar		Velocità / Speed			Velocità min. Min. speed rpm	Peso Weight kg
				V0 rpm	V1 rpm	V2 rpm		
HDT-75	75,5	350	370	2300	1500	2000	300	14,9
HDT-84	84,2							14,7
HDT-96	95,5							14,7
HDT-108	107							14,5

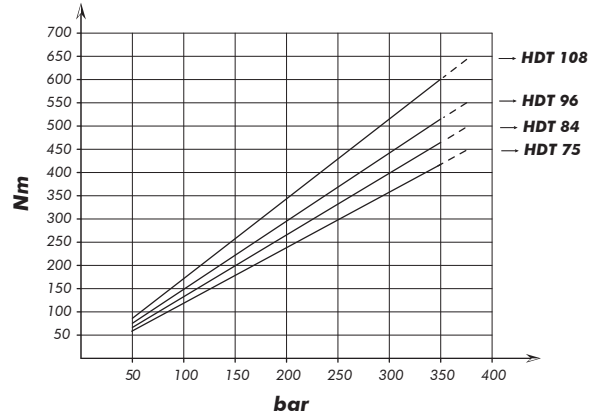
P1=Pressione massima continua Max. continuous pressure (100%)
P3=Pressione massima di punta Max. peak pressure (6 sec.max)

V0=Massima continua vuoto Max. continuous speed without load
V1=Massima continua Max. continuous speed
V2=Massima intermittente Max. intermittent speed

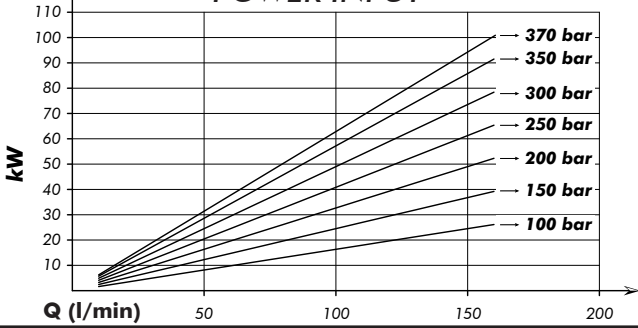
PORTATA / FLOW



COPPIA ASSORBITA
DRIVE TORQUE



POTENZA ASSORBITA
POWER INPUT



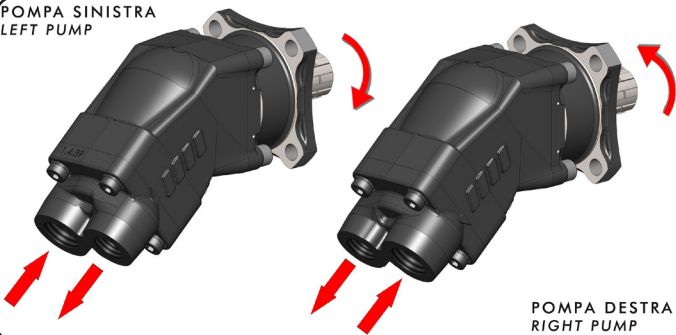
Kit guarnizioni / Seal Kit
10890385008

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

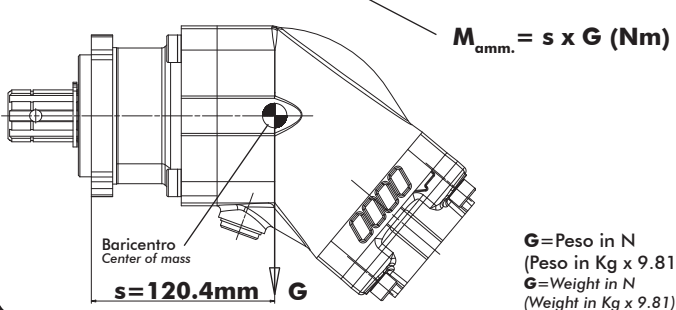
Q Portata Flow l/min	Ø interno min. tubo Min pipe diam. mm inch		Velocità flusso Flow speed (m/s)
20	25	1"	0,68
30	32	1" 1/4	0,62
40	32		0,83
50	38	1" 1/2	0,74
60	38		0,88
70	40	1" 9/16	0,93
80	45	1" 3/4	0,84
90	45		0,94
100	50	2"	0,85
110	50		0,93
120	60	2" 3/8	0,71
130	60		0,77
140	60		0,83
150	60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

POMPA SINISTRA
LEFT PUMP



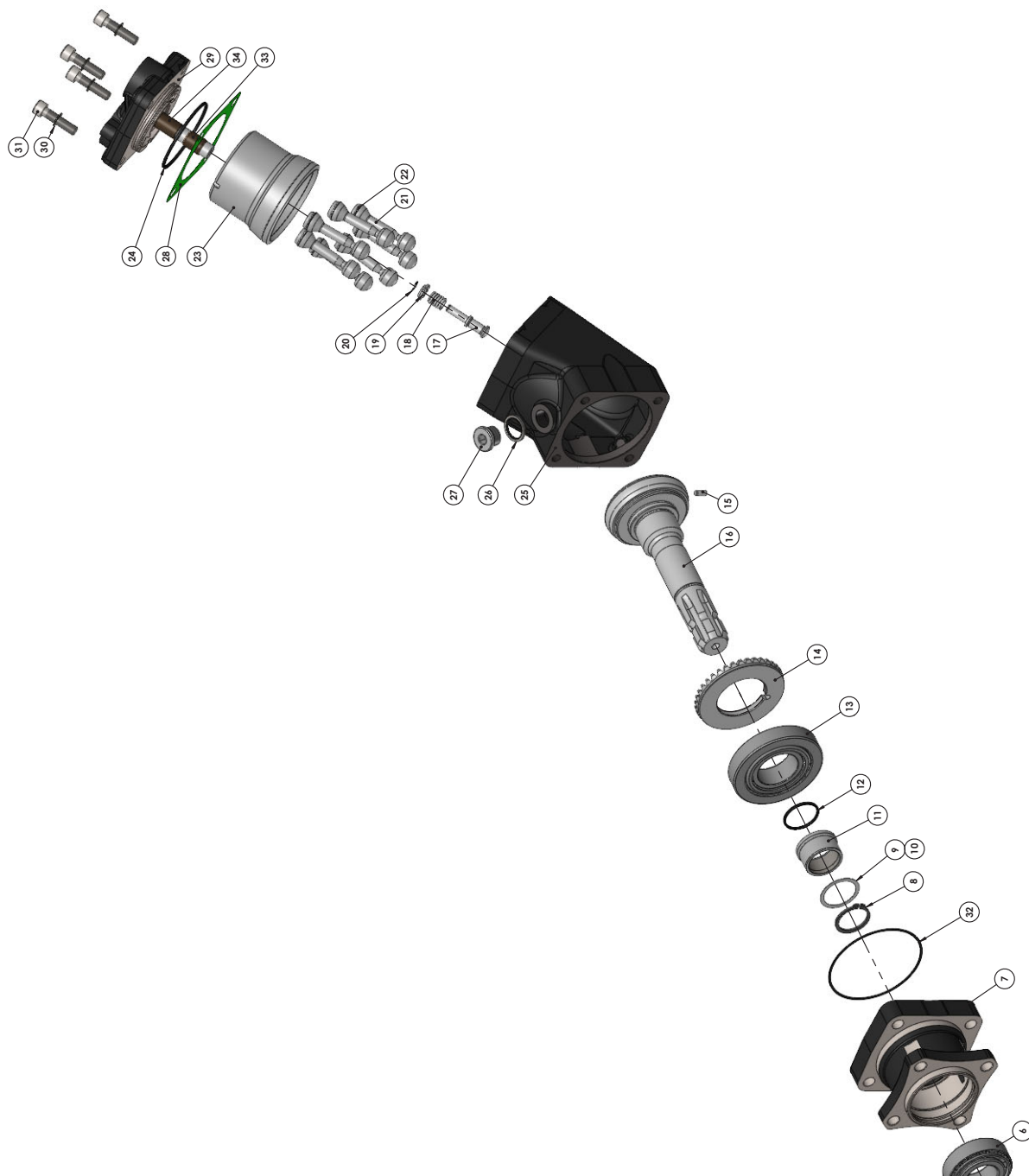
MOMENTO PESO / MASS MOMENT



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99740060010

31/05/2023

84	HDT 108	Codice / Code	Descrizione / Description	Q.
•	•	50200500564	Vite TCE M 12x40	4
•	•	50102000129	Rosetta elastica	4
•	•	50100002729	Anello elastico	1
•	•	50600024272	Paraolio	1
•	•	50100100677	Anello elastico	1
•	•	51000200220	Cuscinetto a rulli conici	1
•	•	51700201707	Corpo anteriore	1
•	•	50100001355	Anello seeger	1
•	•	52900700226	Rondella	1
•	•	52900701127	Rondella	1
•	•	51100200200	Bussola	1
•	•	50600013137	Guarnizione OR 3137 HNBR	1
•	•	51000200294	Cuscinetto a rulli conici	1
•	•	52501100282	Corona dentata	1
•	•	50100306142	Spina UNI 6364-A	1
•	•	52200500446	Albero	1
•	•	54200100162	Perno sferico con guida albero	1
•	•	51200500812	Molla di carico corpo cilindri	1
•	•	54200100171	Anello guida molla	1
•	•	50101500028	Anello seeger	1
•	•	53200500034	Pistone sferico	7
•	•	53200500070	Fasce elastiche	21
•	•	50102300037	Gruppo corpo cilindri sede pistoni	1
•	•	50102300055	Guarnizione OR 3300 HNBR	1
•	•	51700300734	Corpo intermedio	1
•	•	51700300752	Rondella acciaio/gomma 1/2	1
•	•	50600013300	Tappo cieco	1
•	•	51700201458	Guarnizione pialla 0,3mm	1
•	•	11600910129	Guarnizione pialla 0,5mm	1
A	A	50700000381	Gruppo corpo posteriore (sinistro)	1
A	A	507000000489	Rosetta SCHNORR	4
•	•	50002980877	Vite TCE M10x45	4
•	•	50002981125	Guarnizione OR 2387 HNBR	1
•	•	50102000101	Boccola DU 16x18x25	1
•	•	50200400574	Boccola DU 16x18x20	1
•	•	50600012387		
•	•	53300400328		
•	•	53300400337		

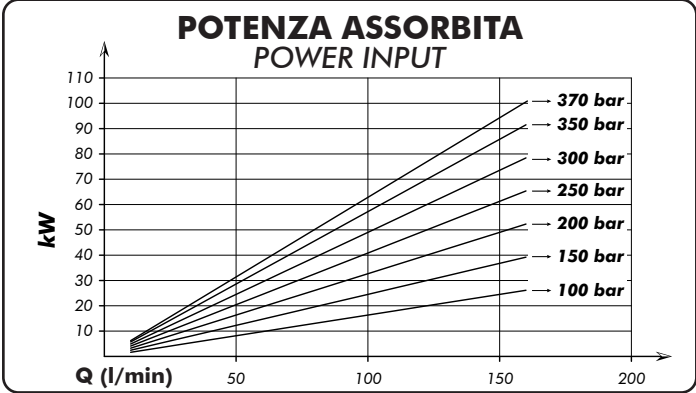
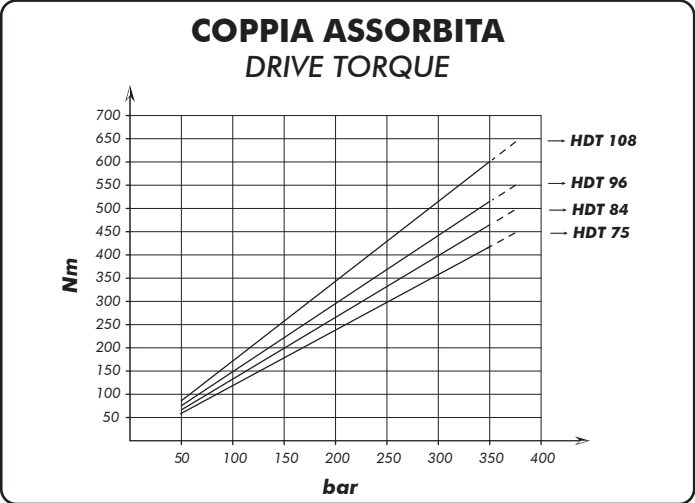
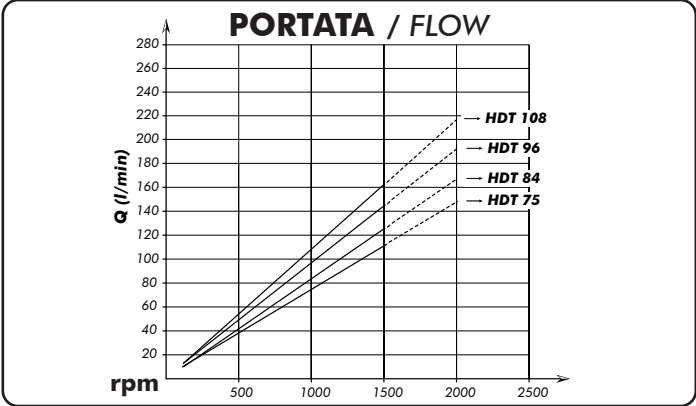
native

CARATTERISTICHE TECNICHE DI FUNZIONAMENTO / TECHNICAL FEATURES

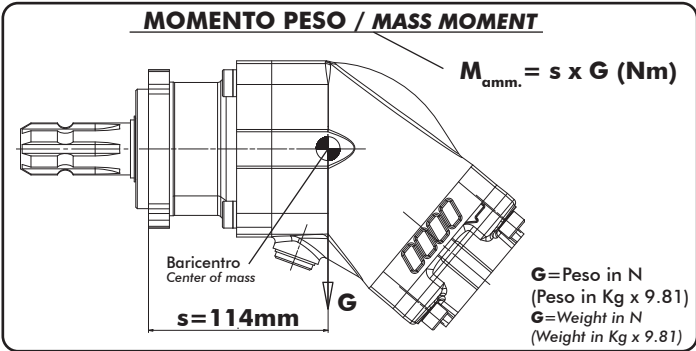
Tipo pompa Pump type	Cilindrata Displacement cm ³ /rev	Pressione Pressure P1 bar P3 bar		Velocità / Speed			Velocità min. Min. speed rpm	Peso Weight kg
				V0 rpm	V1 rpm	V2 rpm		
HDT-84	84,2	350	370	2300	1500	2000	300	15
HDT-108	107							

P1=Pressione massima continua Max. continuous pressure (100%)
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SCELTA DEL TUBO DI ASPIRAZIONE HOW TO CHOOSE THE SUCTION PIPE SIZE			
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180	63		0,96

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