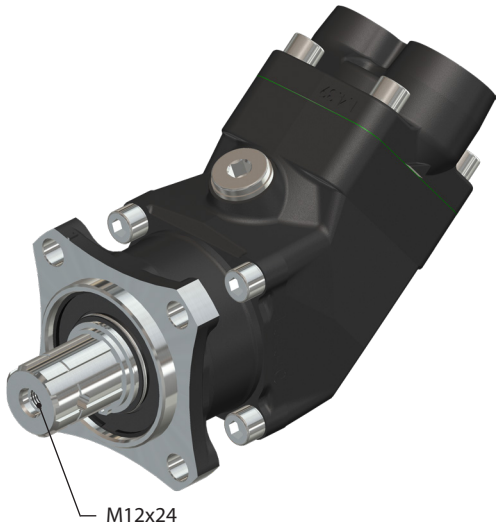
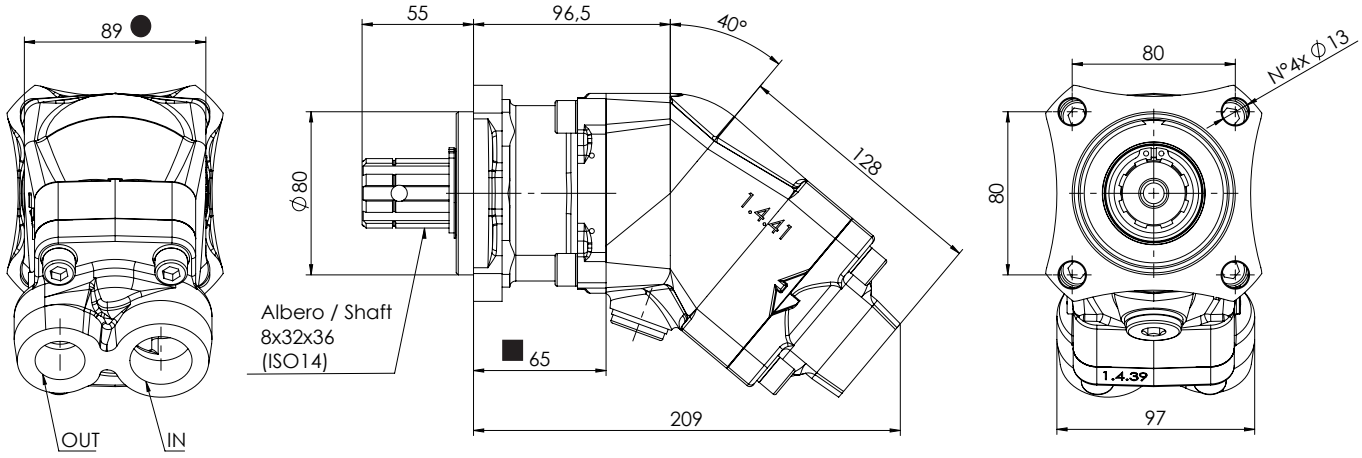
Flangia / *Flange*	**ISO**
Albero / *Shaft*	**ISO14 8x32x36**
Cilin. / *Displ.*	**12-17-25-34**



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.*					

Ingombro / *Dimensions*



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

Dimensioni in mm
Dimensions in mm

Dati tecnici / *Technical data*

Tipo pompa *Pump type*	**Rotazione** / *Rotation*		**IN**	**OUT**	**IN**	**OUT**
	Destra *Right*	Sinistra *Left*	ISO 228	ISO 228	SAE	SAE
HDS-12	**60100110123**	**60100110129**	G 1	G 3/4		
HDS-17	**60100110173**	**60100110179**	G 1	G 3/4		
HDS-25	**60100110253**	**60100110259**	G 1	G 3/4		
HDS-34	**60100110343**	**60100110349**	G 1	G 3/4		

Link:
Ricambi/*Spare parts*

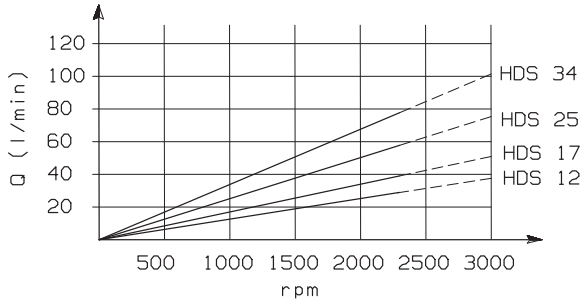
Caratteristiche Tecniche di funzionamento / *Technical features*

Tipo pompa *Pump type*	Cilindrata *Displacement* cm³/rev	Pressione *Pressure* P1 bar	Pressione *Pressure* P3 bar	Velocità / *Speed* V0 rpm	Velocità / *Speed* V1 rpm	Velocità / *Speed* V2 rpm	Velocità min. *Min. speed* rpm	Peso *Weight* kg
HDS-12	12.62	350	400	3000	2300	3000	300	8.8
HDS-17	16.98							8.6
HDS-25	25.12							8,8
HDS-34	33.80							8,6

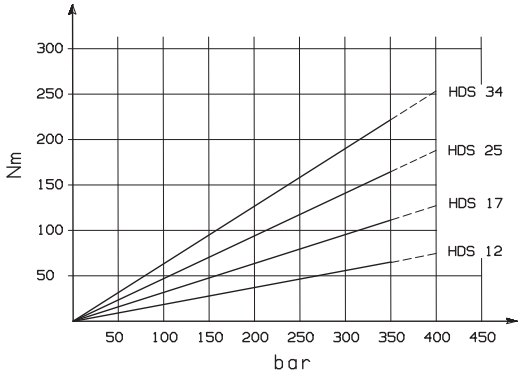
P1=Pressione massima continua *Max. continuous pressure* (100%)
P3=Pressione massima di punta *Max. peak pressure* (6 sec.max)

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

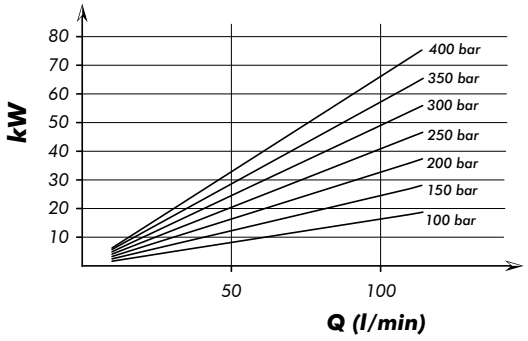
Portata / *Flow*

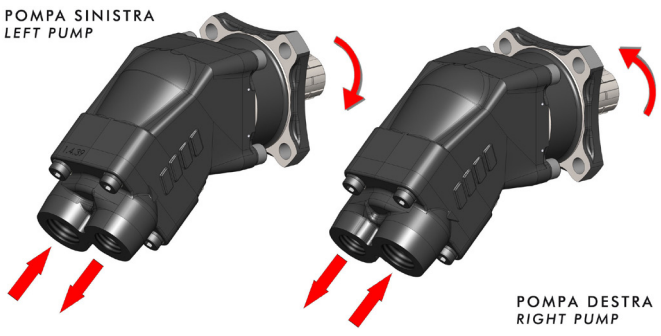


Coppia assorbita / *Drive torque*

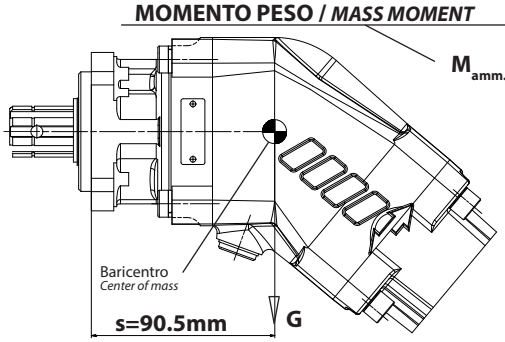


Potenza assorbita / *Power input*





MOMENTO PESO / *MASS MOMENT*



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

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.