

POMPE A PISTONI FISSAGGIO 3 FORI-UNI ALTA EFFICIENZA

CODICE FAMIGLIA
FAMILY CODE

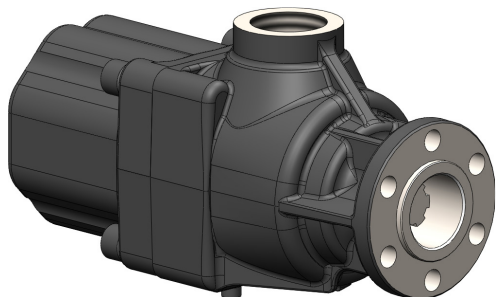
108006

HIGH EFFICIENCY 3 HOLES-UNI HYDRAULIC PISTON PUMPS

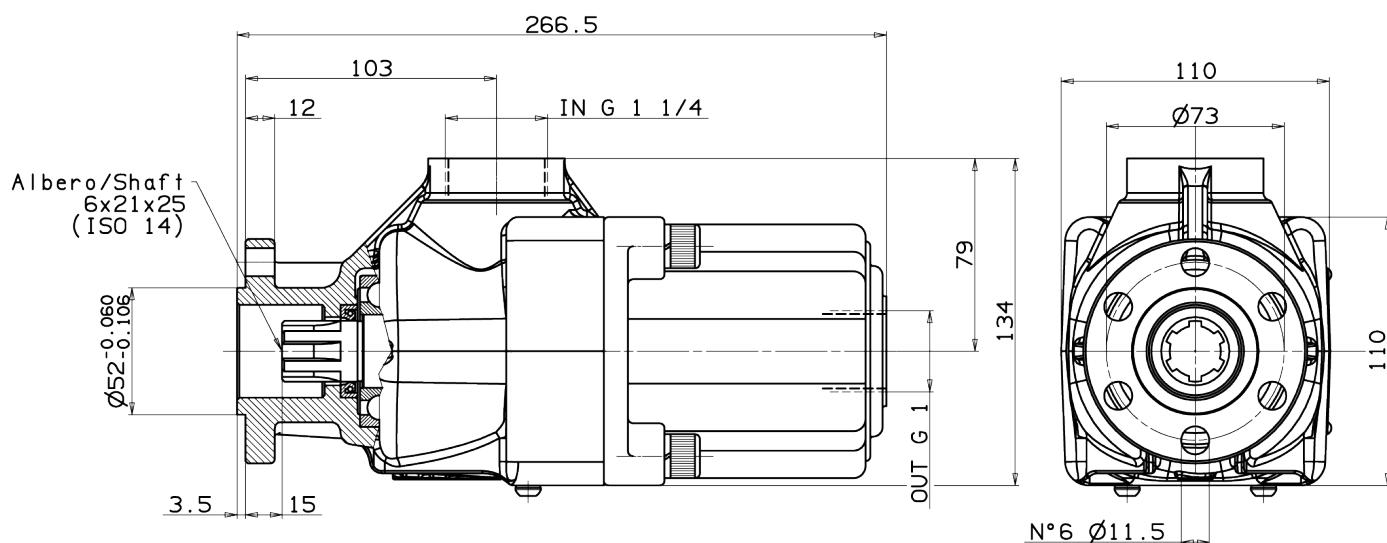
"DARK" UNI HE

Le pompe a pistoni della serie HE offrono una maggiore capacità di aspirazione ad un basso regime di giri. Si rendono pertanto particolarmente idonee per tutte quelle applicazioni idrauliche dove sono richieste alte prestazioni abbinate a velocità di rotazione ridotte.

The piston pumps series HE offer enhanced suction ability at low RPM range. Thus, these pumps are particularly suitable for all those hydraulic applications requiring high performance at low rotation speed.



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)	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		
			-15°C ÷ 100°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			Bidirezionale Bidirectional		
Verificare che la pompa sia posizionata almeno 100 mm sotto il livello mini- mo 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.					



Tipo pompa Pump type	Codice Code	Cilindrata Displacement cm³/rev	Pressione Pressure		Velocità massima Max speed rpm	Peso Weight kg
			Massima Max bar	Picco Peak bar		
DARK-21	10800602110	20,25	350	400	1800	13,8
DARK-28	10800602414	27				
DARK-35	10800603011	33,75				
DARK-42	10800603815	40,5				
DARK-48	10800604510	47,25				
DARK-52	10800604912	51,97	300	350	1500	13,5
DARK-55	10800605019	54				
DARK-60	10800605911	59,3				

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HYDRAULIC COMPONENTS

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

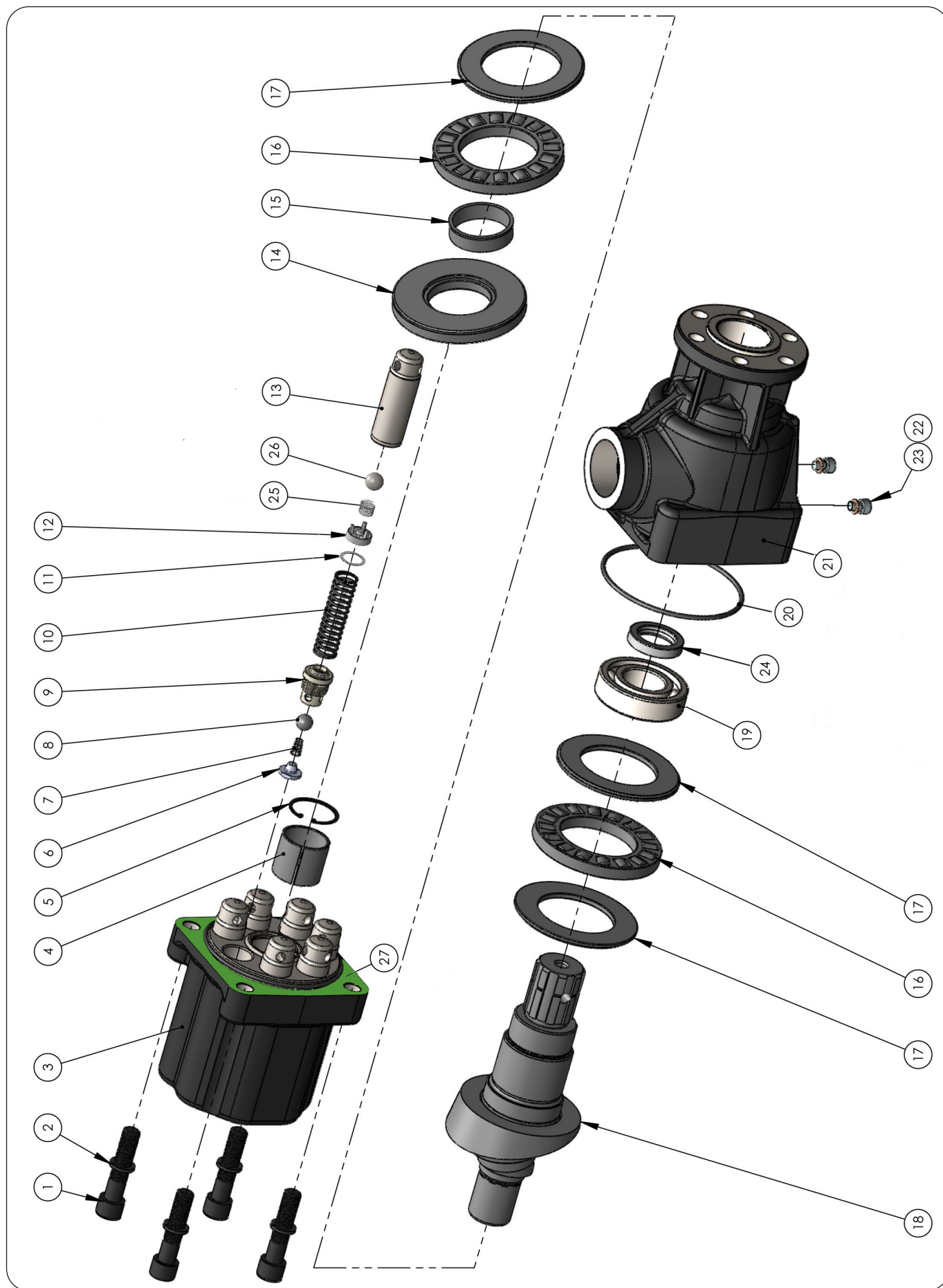
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COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001:2015 =



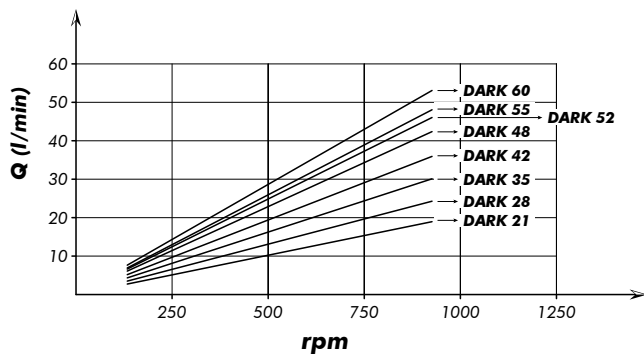
Data: Lunedì 03 marzo 2014

Rev: AA

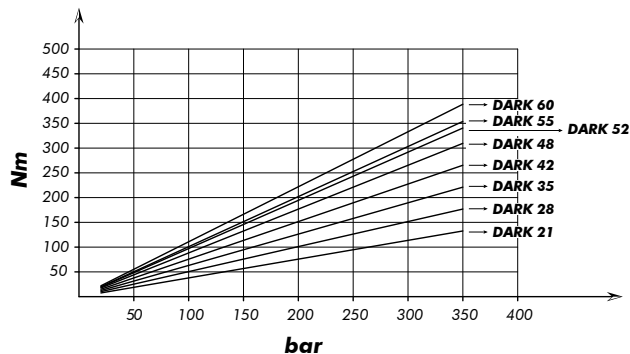
Codice foglio: 99710800620

N° N°	21	28	35	42	48	52	55	60	Codice P. Number	Descrizione Description	Q.tà Q.ty
1	•	•	•	•	•	•	•	•	50200500591	Vite TCE M12x55 UNI 5931	4
2	•	•	•	•	•	•	•	•	50100800063	Washer	4
3	•	•	•	•	•	•	•	•	51700200011	Corpo posteriore	1
	•	•	•	•	•	•	•	•	51700200039		
	•	•	•	•	•	•	•	•	51700200020		
	•	•	•	•	•	•	•	•	51700200100		
	•	•	•	•	•	•	•	•	51700200048		
4	•	•	•	•	•	•	•	•	51700200182	Rear body	1
	•	•	•	•	•	•	•	•	51700200057		
	•	•	•	•	•	•	•	•	51700200146		
	•	•	•	•	•	•	•	•	53300400051		
	•	•	•	•	•	•	•	•	50100000187		
5	•	•	•	•	•	•	•	•	54200100135	Bushing 34x30x30	1
6	• x3	• x4	• x5	• x6	• x7	• x7	• x8	• x8	51200400171	Circlip	1
7	• x3	• x4	• x5	• x6	• x7	• x7	• x8	• x8	51000900116	Spring guide body	
8	• x3	• x4	• x5	• x6	• x7	• x7	• x8	• x8	54000000149	Tapered spring	
9	• x3	• x4	• x5	• x6	• x7	• x7	• x8	• x8	51200501946	Ball 7/16" (Ø11.11) ISO 3290	
10	• x3	• x4	• x5	• x6	• x7	• x7	• x8	• x8	52900500246	Plug delivery valve	
11	• x3	• x4	• x5	• x6	• x7	• x7	• x8	• x8	50900001797	Back piston spring Øf 1.9	
12	• x3	• x4	• x5	• x6	• x7	• x7	• x8	• x8	53200400026	Spacer	
13	• x3	• x4	• x5	• x6	• x7	• x7	• x8	• x8	53200400035	Spacer sprine guide	
	• x3	• x4	• x5	• x6	• x7	• x7	• x8	• x8	51000600379	Pump piston ø21	
14	•	•	•	•	•	•	•	•	53300400159	Pump piston ø22	1
15	•	•	•	•	•	•	•	•	51000600431	Bearing 93x44x10.4	1
16	•	•	•	•	•	•	•	•	51000655909	Bushing 40x44x12	2
17	•	•	•	•	•	•	•	•	51000600431	Axial roller cage 92x55x11	3
18	•	•	•	•	•	•	•	•	52200500124	Bearing 88x55x4	1
19	•	•	•	•	•	•	•	•	51000100212	Shaft	1
20	•	•	•	•	•	•	•	•	50600200630	Ball bearing 62x30x16	1
21	•	•	•	•	•	•	•	•	51700200324	3375 O-Ring	1
22	•	•	•	•	•	•	•	•	11600901022	Front housing	1
23	•	•	•	•	•	•	•	•	50200001120	Copper washer 10x6x1	2
24	•	•	•	•	•	•	•	•	50600700313	Socket head capscREW M6x8 UNI 5931	2
25	• x3	• x4	• x5	• x6	• x7	• x7	• x8	• x8	51200500769	Oil seal 25x38x7	1
26	• x3	• x4	• x5	• x6	• x7	• x7	• x8	• x8	51000900125	Spring	
27	•	•	•	•	•	•	•	•	50700000434	Ball 15/32" (Ø11.90) ISO3290	1
										Gasket	

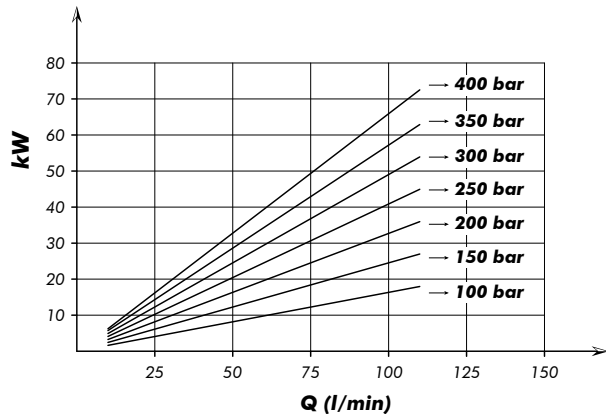
PORTATA FLOW



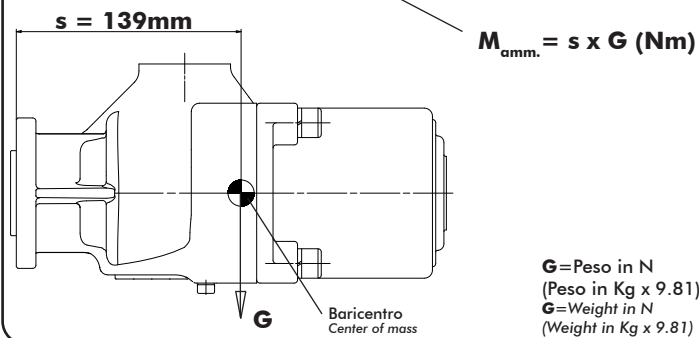
COPPIA ASSORBITA DRIVE TORQUE



POTENZA ASSORBITA POWER INPUT



MOMENTO PESO / MASS MOMENT



La quota "s" può essere considerata unica per tutte le cilindrata.
"s" dimension can be considered valid for all pump displacement.

Kit guarnizioni Seal Kit

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