

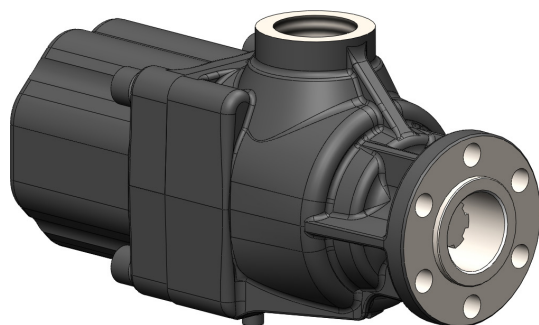
POMPE A PISTONI FISSAGGIO 3 FORI-UNI

3 HOLES-UNI HYDRAULIC PISTON PUMPS

CODICE FAMIGLIA
FAMILY CODE

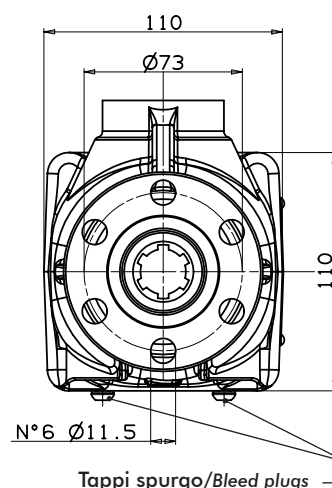
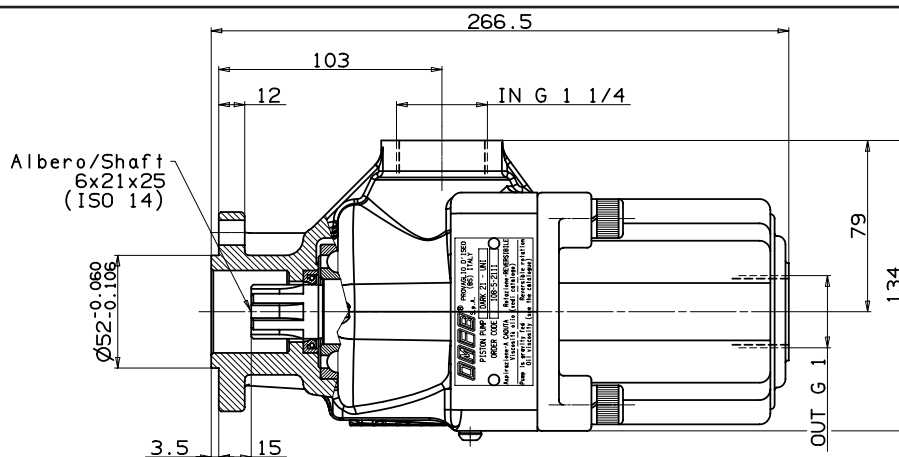
108005

"DARK" UNI



99740060010

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	Pressione Pressure		Velocità massima Max speed	Peso Weight
			Massima Max	Picco Peak		
		cm³/rev	bar	bar	rpm	kg
DARK-21	10800502111	20,25	350	400	1800	13,9
DARK-28	10800502817	27				13,8
DARK-35	10800503512	33,75				13,8
DARK-42	10800504217	40,5				13,7
DARK-48	10800504815	47,25				13,6
DARK-52	10800505216	51,97	300	350	1500	13,5
DARK-55	10800505510	54				13,5
DARK-60	10800505912	59,3				13,5

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HYDRAULIC COMPONENTS

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

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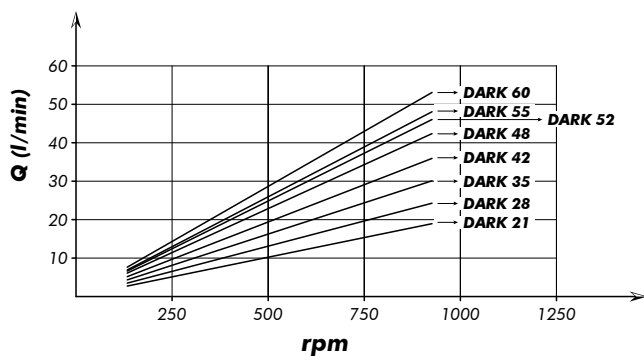
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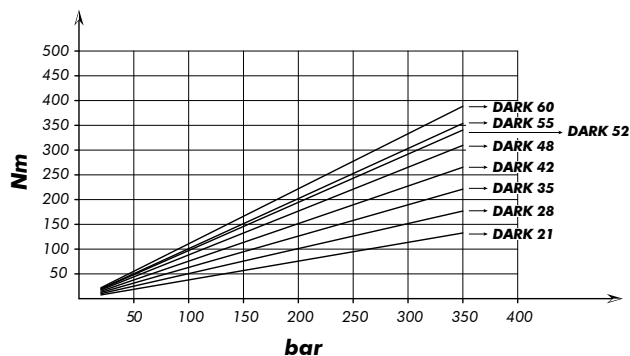
07/11/2019

99710800510 Rev: AG

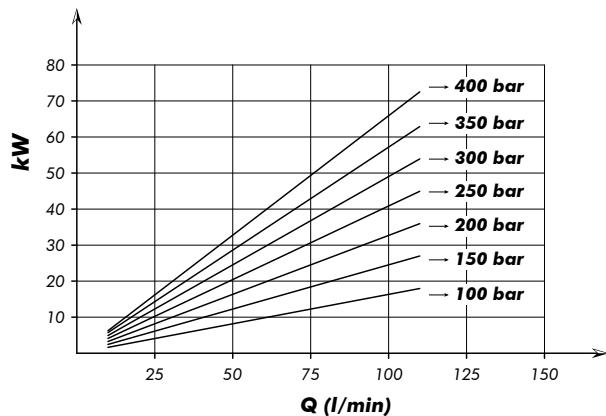
PORTATA FLOW



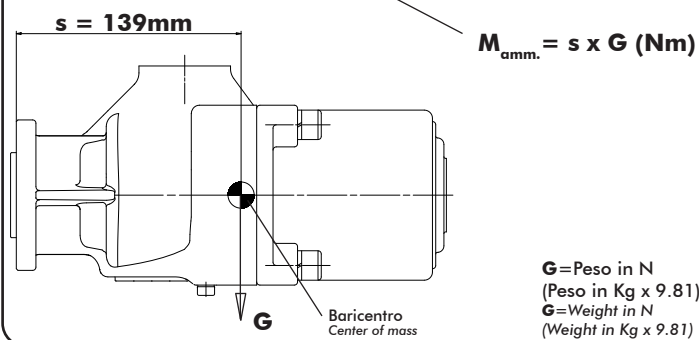
COPPIA ASSORBITA DRIVE TORQUE



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

10890300018

POMPE A PISTONI FISSAGGIO 4 FORI-ISO

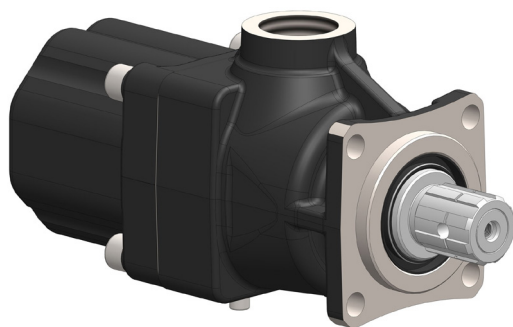
CODICE FAMIGLIA
FAMILY CODE

108005

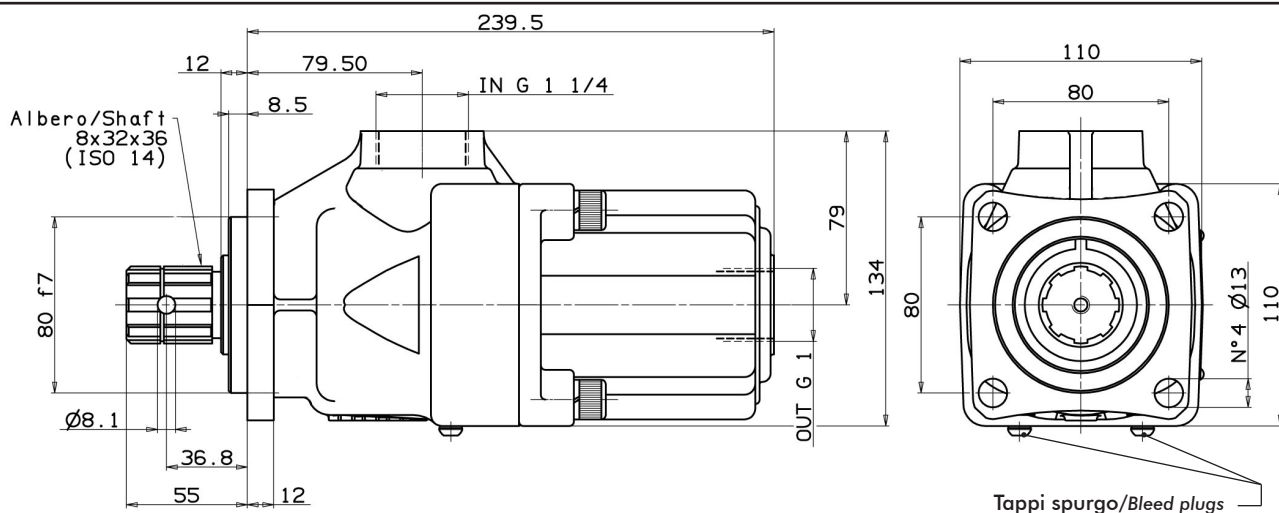
4 HOLES-ISO HYDRAULIC PISTON PUMPS

"DARK" ISO

99740060010



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		
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.					



07/11/2019

99710800520 Rev: AH

Tipo pompa Pump type	Codice Code	Cilindrata Displacement	Pressione Pressure		Velocità massima Max speed	Peso Weight
			Massima Max	Picco Peak		
		cm³/rev	bar	bar	rpm	kg
DARK-21	10800502120	20,25	350	400	1800	14,8
DARK-28	10800502826	27				14,5
DARK-35	10800503521	33,75				14,4
DARK-42	10800504226	40,5				14,4
DARK-48	10800504824	47,25				14,2
DARK-52	10800505225	51,97	300	350	1500	14,2
DARK-55	10800505529	54				14,2
DARK-60	10800505921	59,3				14,2

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HYDRAULIC COMPONENTS

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

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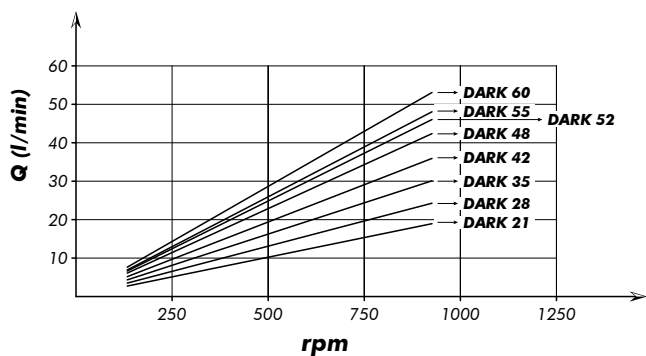
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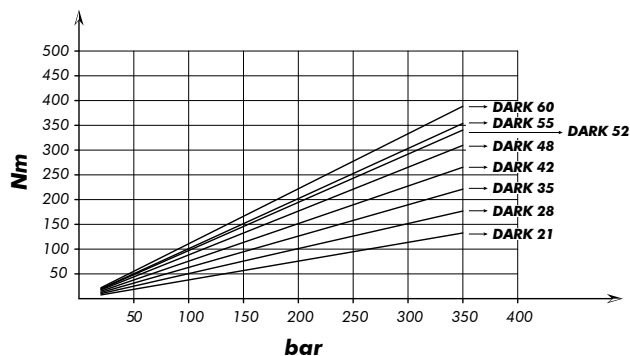
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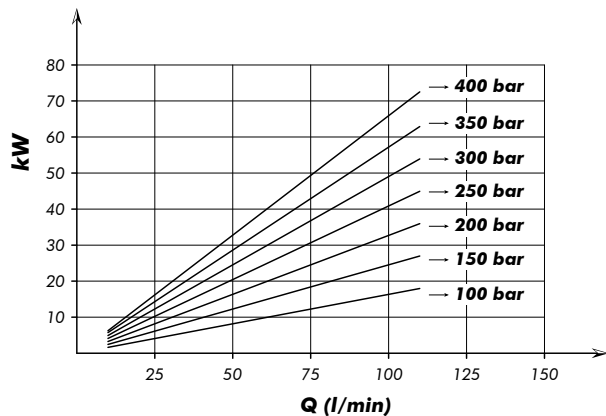
PORTATA FLOW



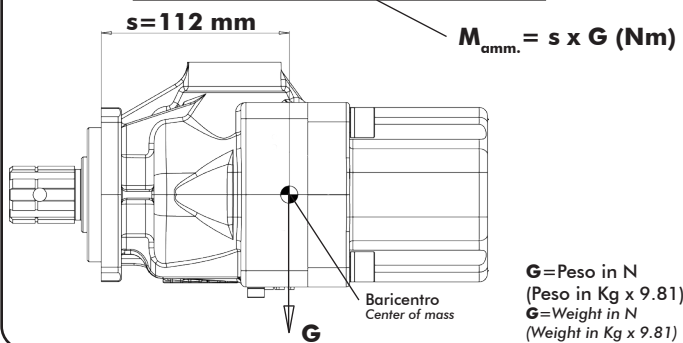
COPPIA ASSORBITA DRIVE TORQUE



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

10890300027

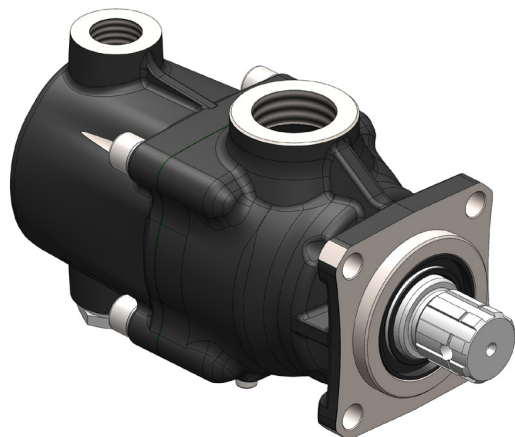
POMPE A PISTONI FISSAGGIO 4 FORI-ISO SHORT ALTA EFFICIENZA HIGH EFFICIENCY 4 HOLES-ISO SHORT HYDRAULIC PISTON PUMPS

CODICE FAMIGLIA
FAMILY CODE

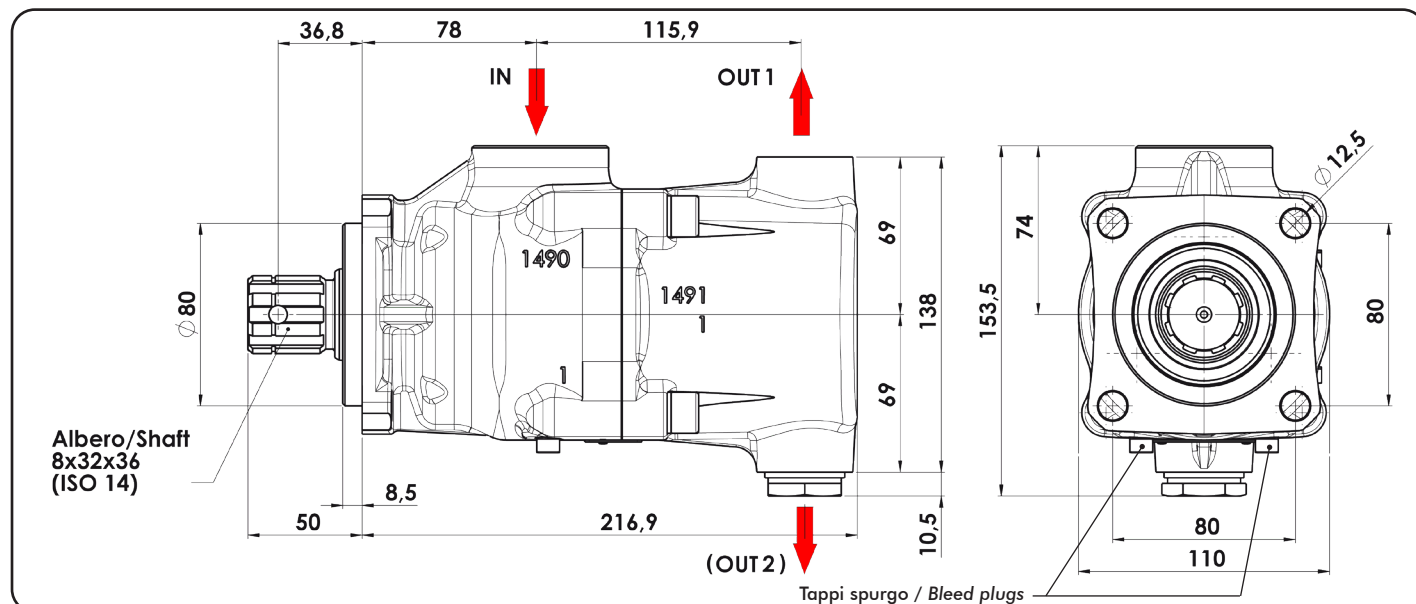
108009

"DARK" ISO SHORT HE

Le pompe a pistoncini 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 Optimal 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			Bidirezionale / Bidirectional		
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.					



Tipo pompa Pump type	Codice Code	Cilindrata Displacement cm³/rev	IN GAS	OUT GAS	IN METRICO	OUT METRICO	Pressione/Pressure Max. Picco/Peak		Velocità massima Max speed	Peso Weight kg															
DARK SHORT-21	10800902126	20,25	G 1-1/4	G 3/4			350 bar	400 bar	1800 rpm	13,2															
	10800932120				M45x2	M22x1,5																			
DARK SHORT-28	10800902822	27	G 1-1/4	G 3/4						350 bar	400 bar	1800 rpm	13,2												
	10800932826				M45x2	M22x1,5																			
DARK SHORT-35	10800903527	33,75	G 1-1/4	G 3/4									350 bar	400 bar	1800 rpm	13,1									
	10800933521				M45x2	M22x1,5																			
DARK SHORT-42	10800904222	40,5	G 1-1/4	G 3/4												350 bar	400 bar	1800 rpm	13						
	10800934226				M45x2	M22x1,5																			
DARK SHORT-48	10800904820	47,25	G 1-1/4	G 3/4															350 bar	400 bar	1800 rpm	12,9			
	10800934824				M45x2	M22x1,5																			
DARK SHORT-52	10800905221	51,97	G 1-1/4	G 3/4																		350 bar	400 bar	1800 rpm	13
	10800935225				M45x2	M22x1,5																			
DARK SHORT-55	10800905525	54	G 1-1/4	G 3/4			300 bar	350 bar	1500 rpm																12,9
	10800935529				M45x2	M22x1,5																			
DARK SHORT-60	10800906024	59,3	G 1-1/4	G 3/4						300 bar	350 bar	1500 rpm													12,8
	10800936028				M45x2	M22x1,5																			

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HYDRAULIC COMPONENTS

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

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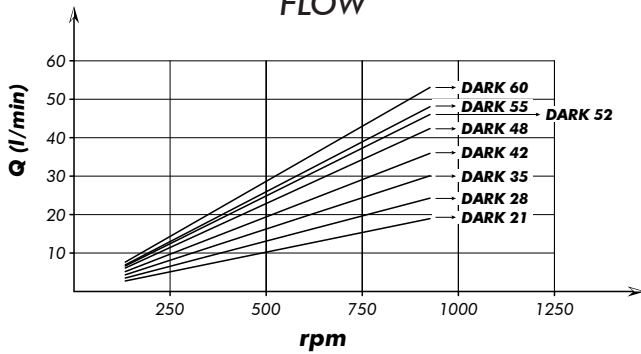
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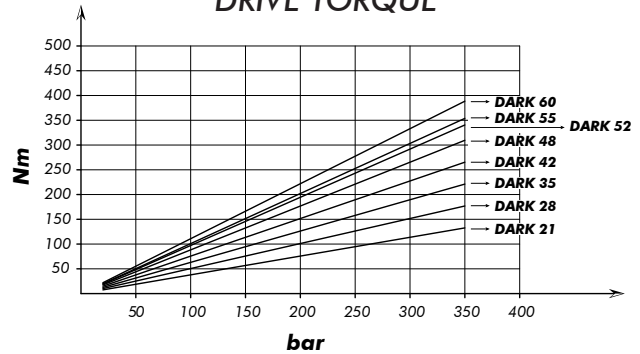
05/01/2021

99710800901 Rev: AB

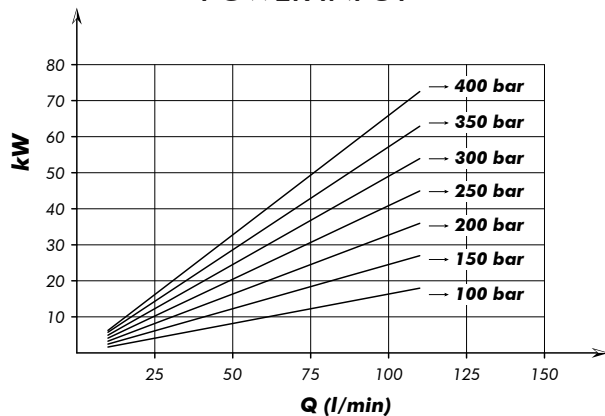
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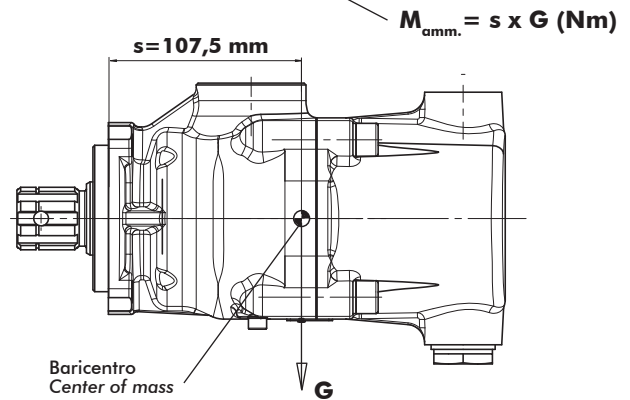
COPPIA ASSORBITA DRIVE TORQUE



POTENZA ASSORBITA POWER INPUT



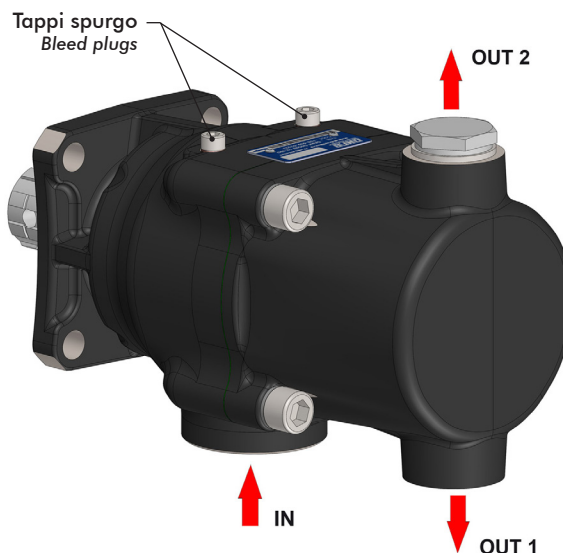
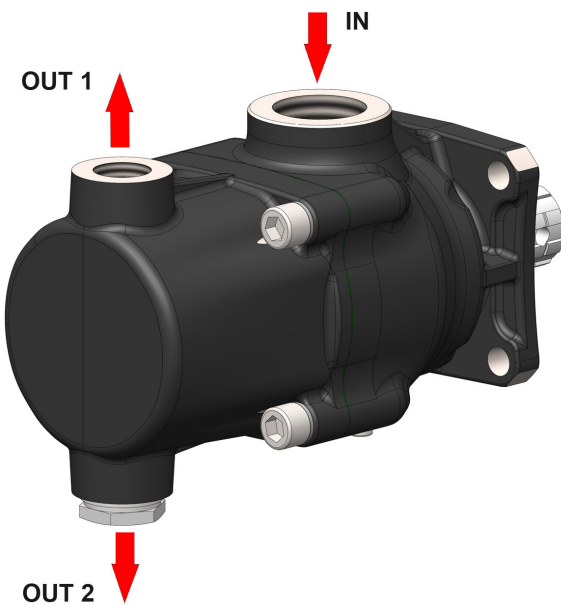
MOMENTO PESO / MASS MOMENT



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

Kit guarnizioni / Seal Kit 10890300063

"s" la dimensione può essere considerata valida per tutte le pompe
dimension can be considered valid for all pump displacement



L'uscita ausiliaria (OUT 2) può essere utilizzata in alternativa o in contemporanea all'uscita principale (OUT 1).
The auxiliary output (OUT 2) can be used either alternatively or simultaneously to the main output (OUT 1).

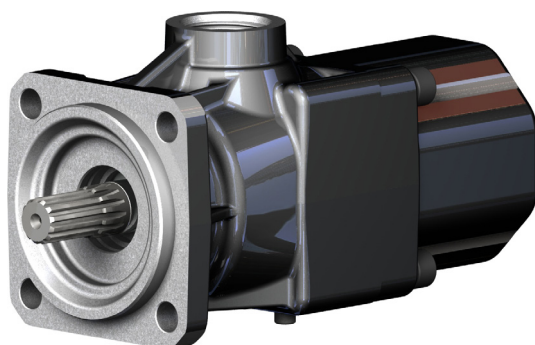
POMPE A PISTONI ASSIALI AXIAL HYDRAULIC PISTON PUMPS

CODICE FAMIGLIA
FAMILY CODE

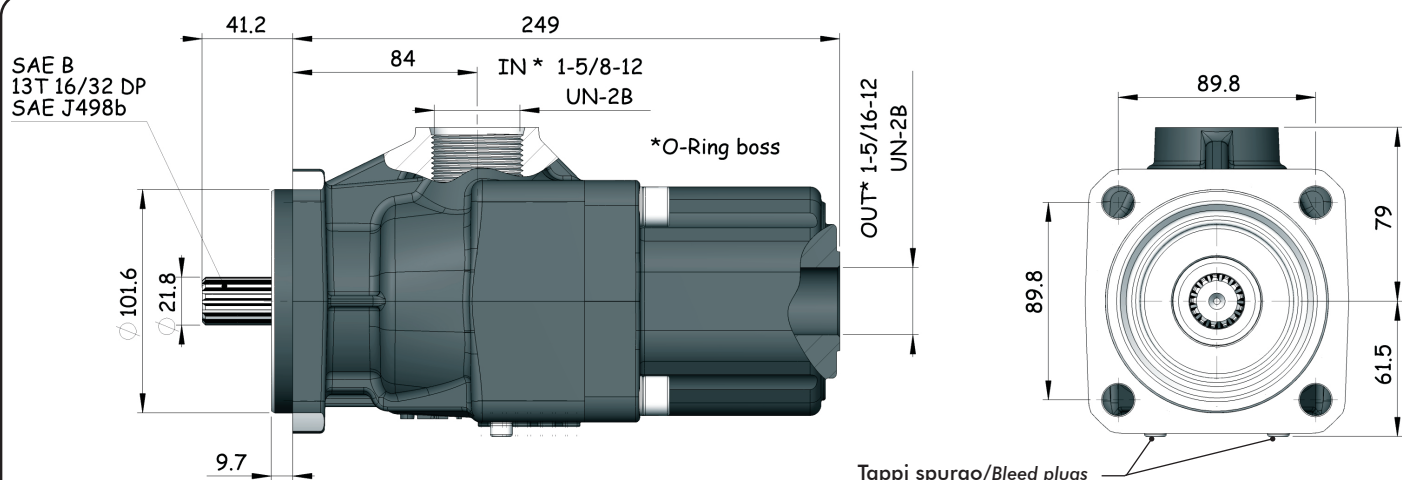
108007

"DARK" SAE-B

99740060010



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		
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.					



19/03/2013

99710800701 Rev: AC

Tipo pompa Pump type	Codice Code	Cilindrata Displacement cm³/rev	Pressione Pressure		Velocità max Max speed rpm	Peso Weight kg
			Massima Max bar	Picco Peak bar		
DARK SAE-B 21	10800700219	20,25	350	340	1800	15,4
DARK SAE-B 28	10800700282	27				15,2
DARK SAE-B 35	10800700353	33,75				15,2
DARK SAE-B 42	10800700424	40,5				15,2
DARK SAE-B 48	10800700488	47,25	340	310	1500	15
DARK SAE-B 52	10800700522	51,97	310			15
DARK SAE-B 55	10800700559	54	300			15,1
DARK SAE-B 60	10800700602	59,3	270			14,9

pag.13

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HYDRAULIC COMPONENTS

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

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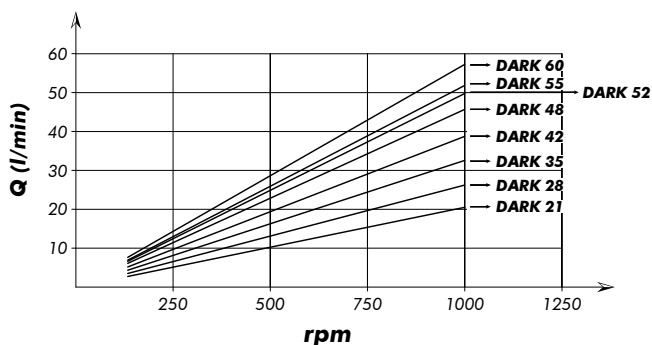
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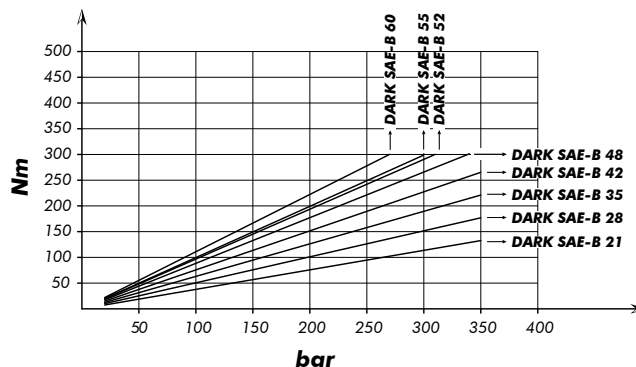
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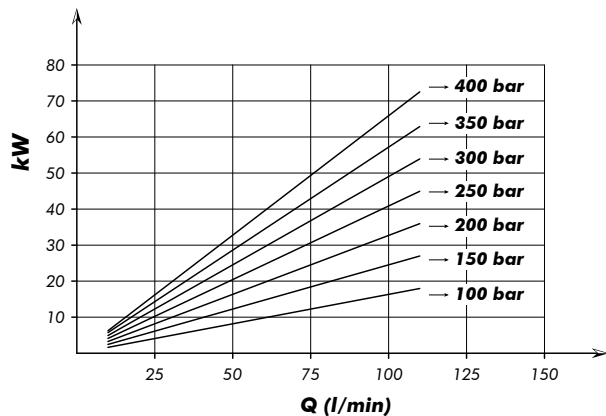
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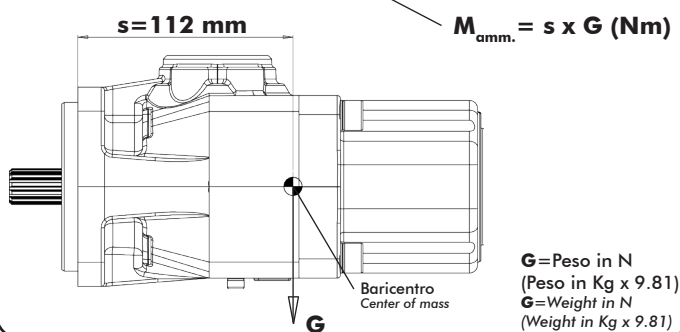
COPPIA ASSORBITA DRIVE TORQUE



POTENZA ASSORBITA POWER INPUT



MOMENTO PESO / MASS MOMENT



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

Kit guarnizioni Seal Kit

10890300054

POMPE A PISTONI FISSAGGIO 4 FORI-ISO

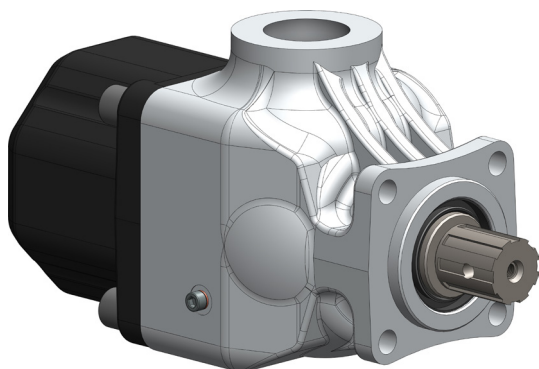
CODICE FAMIGLIA
FAMILY CODE

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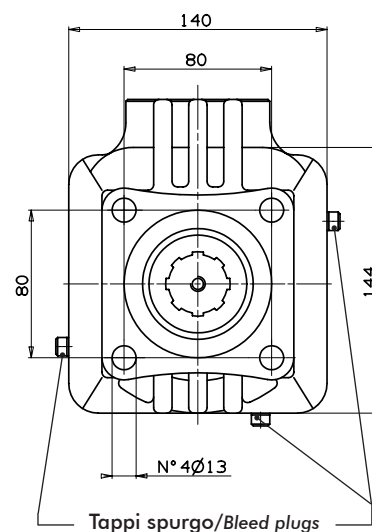
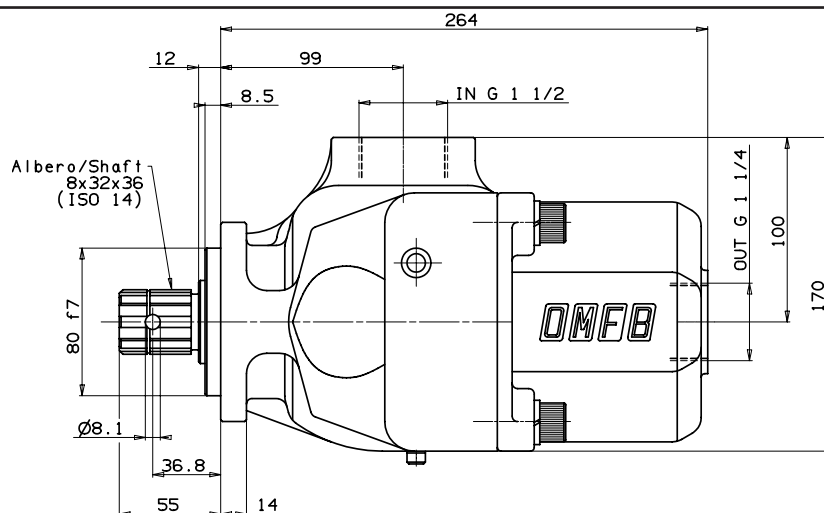
4 HOLES-ISO HYDRAULIC PISTON PUMPS

"2PAK"

99740060010



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.					



07/11/2019

99710800530 Rev. AG

Tipo pompa Pump type	Codice Code	Cilindrata Displacement	Pressione Pressure		Velocità massima Max speed	Peso Weight
			Massima Max	Picco Peak		
		cm³/rev	bar	bar	rpm	kg
2PAK-70	10800507027	73	300	350	1500	20.9
2PAK-80	10800508026	82,2				20.8
2PAK-90	10800509025	91,4				20,7
2PAK-100	10800510022	100,4				20,7

pag.17

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HYDRAULIC COMPONENTS

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

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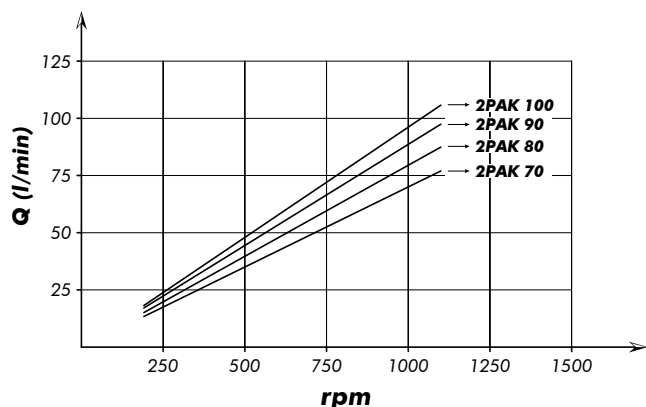
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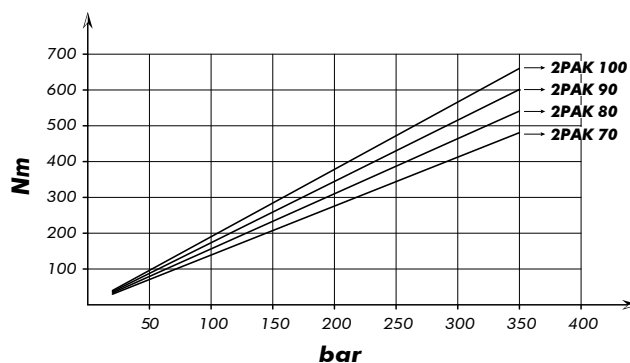
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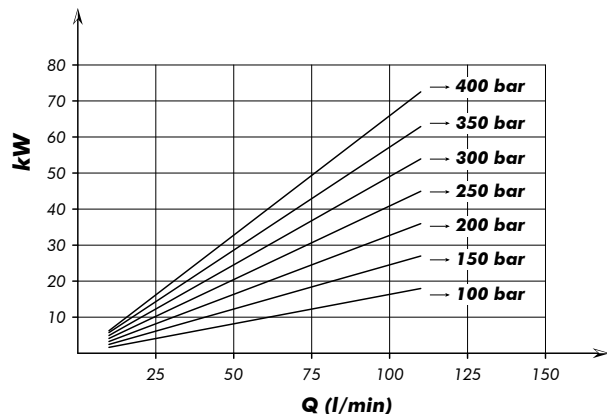
PORTATA FLOW



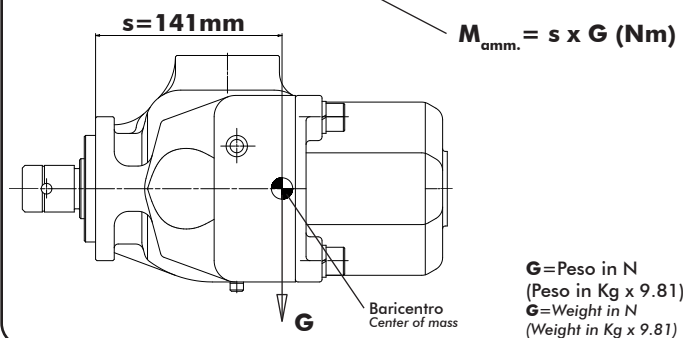
COPPIA ASSORBITA DRIVE TORQUE



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

10890300036

POMPE A PISTONI FISSAGGIO 4 FORI-ISO DOPPIA MANDATA

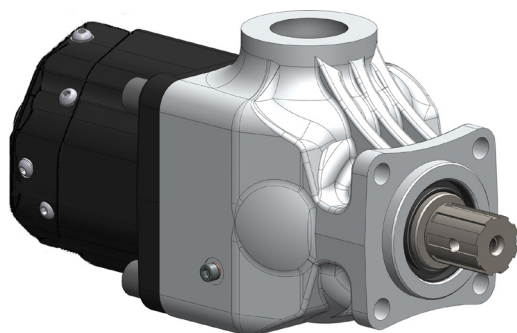
CODICE FAMIGLIA
FAMILY CODE

108008

**TWIN DELIVERY 4 HOLES-ISO
HYDRAULIC PISTON PUMPS**

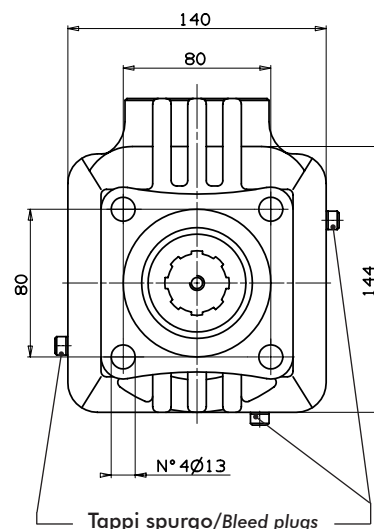
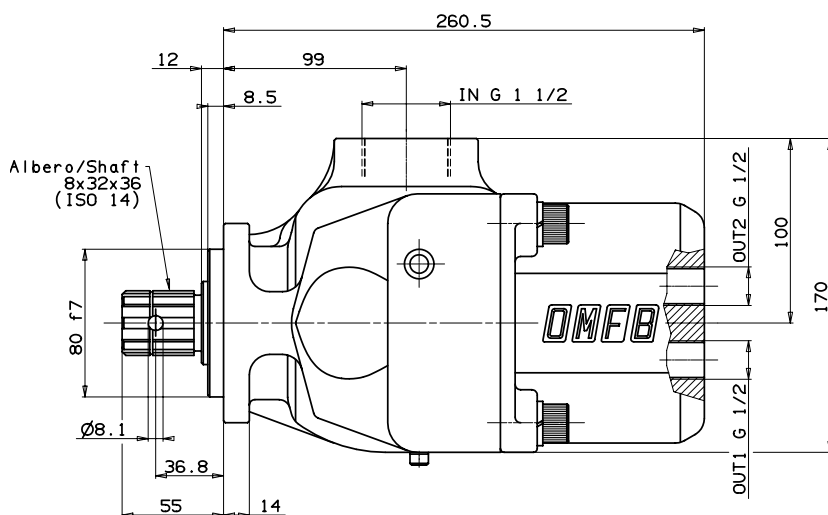
"2PAK"

99740060010



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.					

15/03/2021



99710800810 Rev. AG

Tipo pompa Pump type	Codice Code	Cilindrata Displacement	OUT 1	OUT 2	Pressione Pressure		Velocità max Max speed	Peso Weight
					Massima Max	Picco Peak		
		cm³/rev	cm³/rev	cm³/rev	bar	bar	rpm	kg
2PAK-35+35	10800835351	35+35	35	35	300	350	1500	21,5
2PAK-50+30	10800850307	50+30	30	50				21,3
2PAK-50+50	10800850503	50+50	50	50				21,2

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HYDRAULIC COMPONENTS

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

We reserve the right to make any changes without notice.

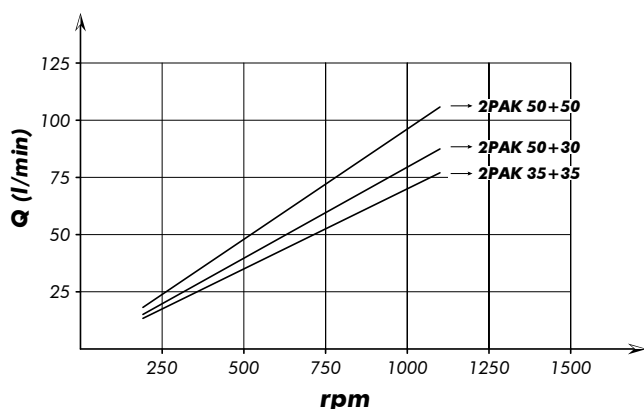
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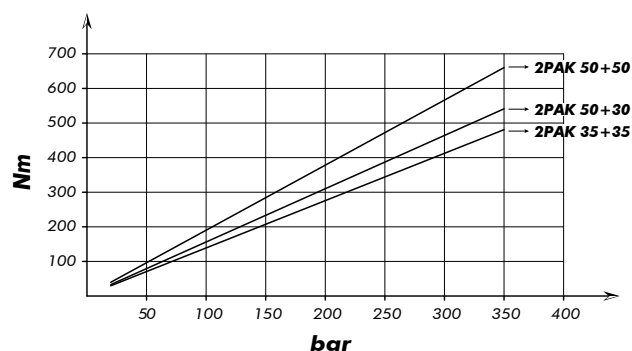
Fax: +39.030.9839207-208 Internet: www.omfb.it e-mail: contatti@omfb.it

COMPANY WITH
QUALITY SYSTEM
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= IATF 16949 =

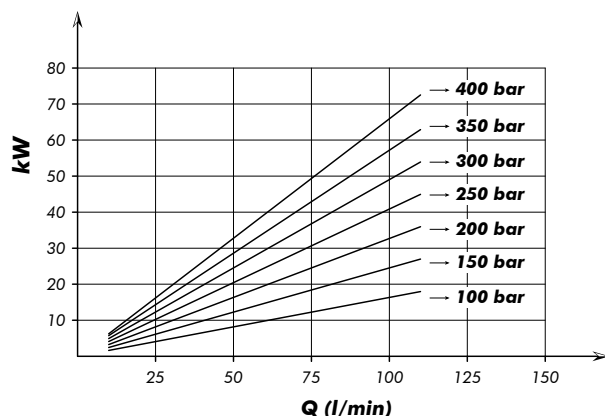
PORTATA FLOW



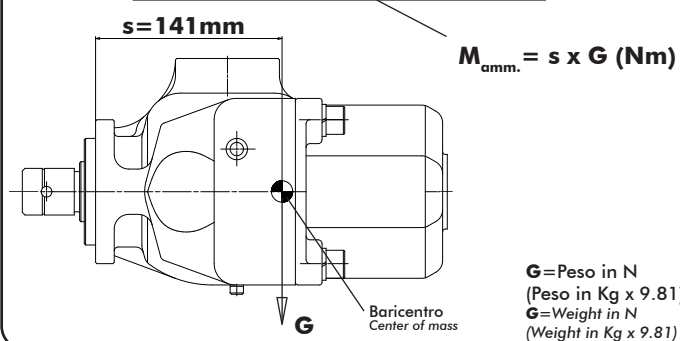
COPPIA ASSORBITA DRIVE TORQUE



POTENZA ASSORBITA POWER INPUT



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