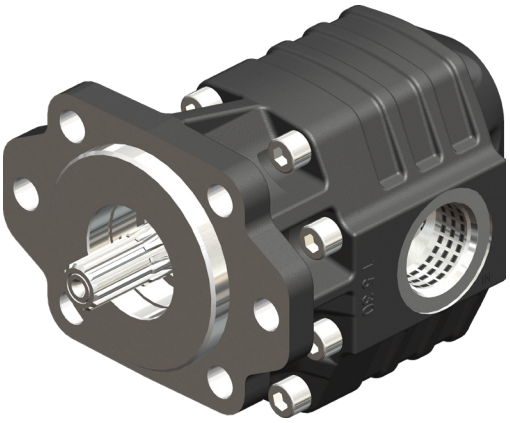
OMFB
HYDRAULIC POWER CONTROL

Pompa ad ingranaggi NPH SAE "B"
NPH SAE "B" Gear pump
NPH SAE "B"

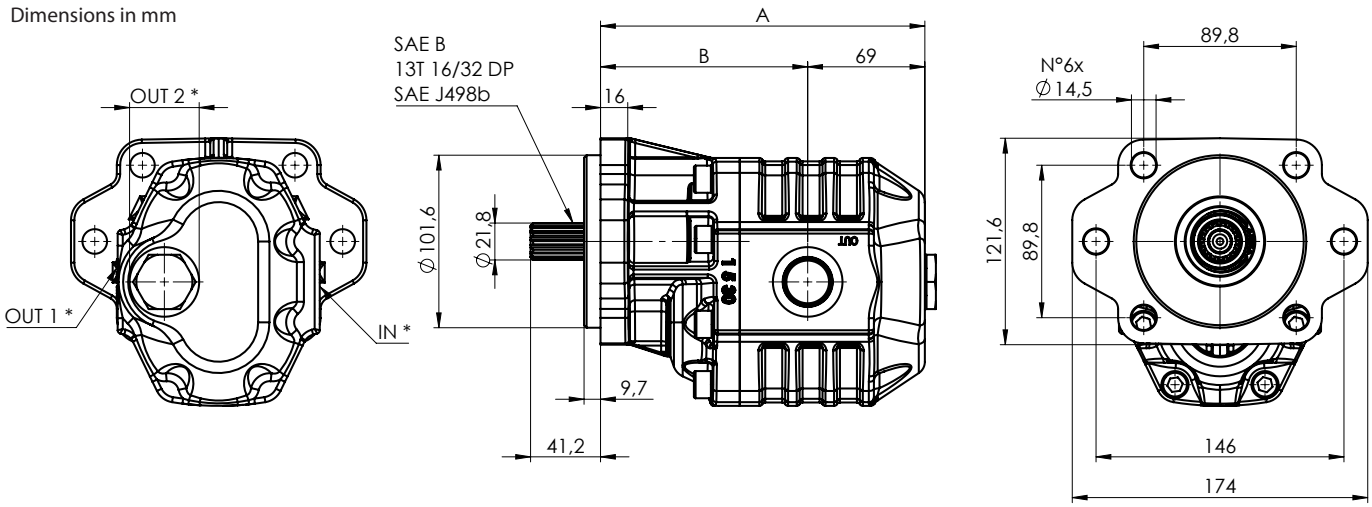
105035
105935



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)	22	32	46	68
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				
Pressione di aspirazione *Inlet pressure*	-0,3 ÷ 2 bar				
Senso di rotazione *Pump rotation*	Unidirezionale (DX o SX) *Unidirectional (Right or Left)*				

Ingombro / *dimensions*

Dimensions in mm



Tipo pompa *Pump type*	Rotazione *Rotation*		IN	OUT 1	OUT 2	A	B	Peso *Weight*	A	B	Peso *Weight*
	Destra / *Right*	**Sinistra** / *Left*	ISO 725	ISO 725	ISO 725	mm	mm	kg	inch	inch	lb
NPH-17 SAE-B	**10503500177**	**10503500186**	3/4-16 UNF-2B *SAE 8*	3/4-16 UNF-2B *SAE 8*		150	101	12	5,91	3,98	26.4
NPH-22 SAE-B	**10503500220**	**10503500239**				153.5	103	12.3	6.04	4.11	27.1
NPH-27 SAE-B	**10503500275**	**10503500284**	1 1/16-12 UN-2B *SAE 12*	1 1/16-12 UN-2B *SAE 12*		156	105.5	12.4	6.14	4.15	27.3
NPH-34 SAE-B	**10503500346**	**10503500355**				161	106.5	12.5	6.34	4.19	27.5
NPH-43 SAE-B	**10503500435**	**10503500444**				167	111.5	13.3	6.57	4.39	29.3
NPH-51 SAE-B	**10503500515**	**10503500524**	1 5/16-12 UN-2B *SAE 16*			172	112	13.5	6.77	4.41	29.7
NPH-61 SAE-B	**10503500613**	**10503500622**				178	118	14	7.01	4.65	30.8
NPH-73 SAE-B	**10503500739**	**10503500748**				186	117	14.5	7.32	4.61	31.9
NPH-82 SAE-B	**10503500828**	**10503500837**	1 5/8-12 UN-2B *SAE 20*			191	122	15	7.52	4.80	33
			ISO 228	ISO 228							
NPH-17 SAE-B	**10593500178**	**10593500187**	G 1/2"	G 1/2"		150	101	12	5,91	3,98	26.4
NPH-22 SAE-B	**10593500221**	**10593500230**				153.5	103	12.3	6.04	4.11	27.1
NPH-27 SAE-B	**10593500276**	**10593500285**	G 3/4"	G 3/4"		156	105.5	12.4	6.14	4.15	27.3
NPH-34 SAE-B	**10593500347**	**10593500356**				161	106.5	12.5	6.34	4.19	27.5
NPH-43 SAE-B	**10593500436**	**10593500445**				167	111.5	13.3	6.57	4.39	29.3
NPH-51 SAE-B	**10593500516**	**10593500525**	G 1"			172	112	13.5	6.77	4.41	29.7
NPH-61 SAE-B	**10593500614**	**10593500623**				178	118	14	7.01	4.65	30.8
NPH-73 SAE-B	**10593500730**	**10593500749**				186	117	14.5	7.32	4.61	31.9
NPH-82 SAE-B	**10593500829**	**10593500838**	G 1-1/4"			191	122	15	7.52	4.80	33

CARATTERISTICHE TECNICHE DI FUNZIONAMENTO

Tipo pompa	Cilindrata cm³/rev	Pressione P1 bar	Pressione P2 bar	Pressione P3 bar	Velocità max. continua rpm	Velocità max. intermittente rpm	Velocità minima rpm
NPH-17 SAE-B	17.04	290	315	325	2500	3000	300
NPH-22 SAE-B	22.15						
NPH-27 SAE-B	26.18						
NPH-34 SAE-B	33.88	280	300	310	2200	2800	
NPH-43 SAE-B	43.12	270	290	300	2000	2500	
NPH-51 SAE-B	50.82	240	260	280			
NPH-61 SAE-B	60.06	220	240	250	1800	2000	
NPH-73 SAE-B	72.88	200	220	220	1600	1800	
NPH-82 SAE-B	81.08	190	200	200	1500		

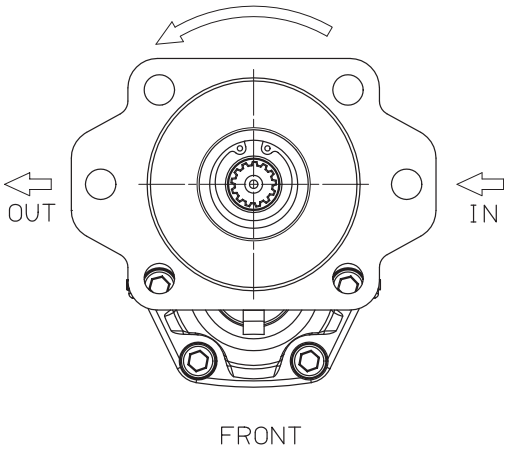
TECHNICAL FEATURES

Pump type	Displacement inch³/giro	Pressure P1 psi	Pressure P2 psi	Pressure P3 psi	Max. continuous speed rpm	Max. intermittent speed rpm	Min. speed rpm
NPH-17 SAE-B	1.04	4205	4567,5	4712,5	2500	3000	300
NPH-22 SAE-B	1.35						
NPH-27 SAE-B	1.60						
NPH-34 SAE-B	2.07	4060	4350	4495	2200	2800	
NPH-43 SAE-B	2.63	3915	4205	4350	2000	2500	
NPH-51 SAE-B	3.06	3480	3770	4060			
NPH-61 SAE-B	3.66	3190	3480	3625	1800	2000	
NPH-73 SAE-B	4.45	2900	3190	3190	1600	1800	
NPH-82 SAE-B	4.95	2755	2900	2900	1500		

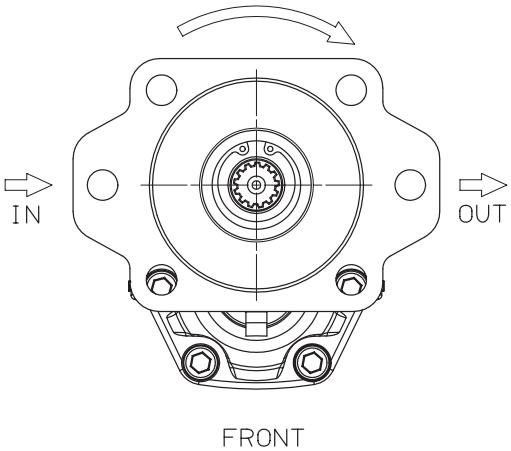
P1=Pressione max. continua — *Max. continuous pressure* — (100%)
P2=Pressione max. intermittente — *Max. Intermittent pressure* — (20 sec.max.)
P3=Presione max. di punta — *Max. peak pressure* — (6 sec.max)

SENSO DI ROTAZIONE POMPA / *DIRECTION OF ROTATION*

Rotazione antioraria, pompa sinistra
Anti-clockwise rotation, left pump



Rotazione oraria, pompa destra
Clockwise rotation, right pump



Kit ricambi / *Spares kit*

• **10590000508** (Kit guarnizioni/*Seal kit)*