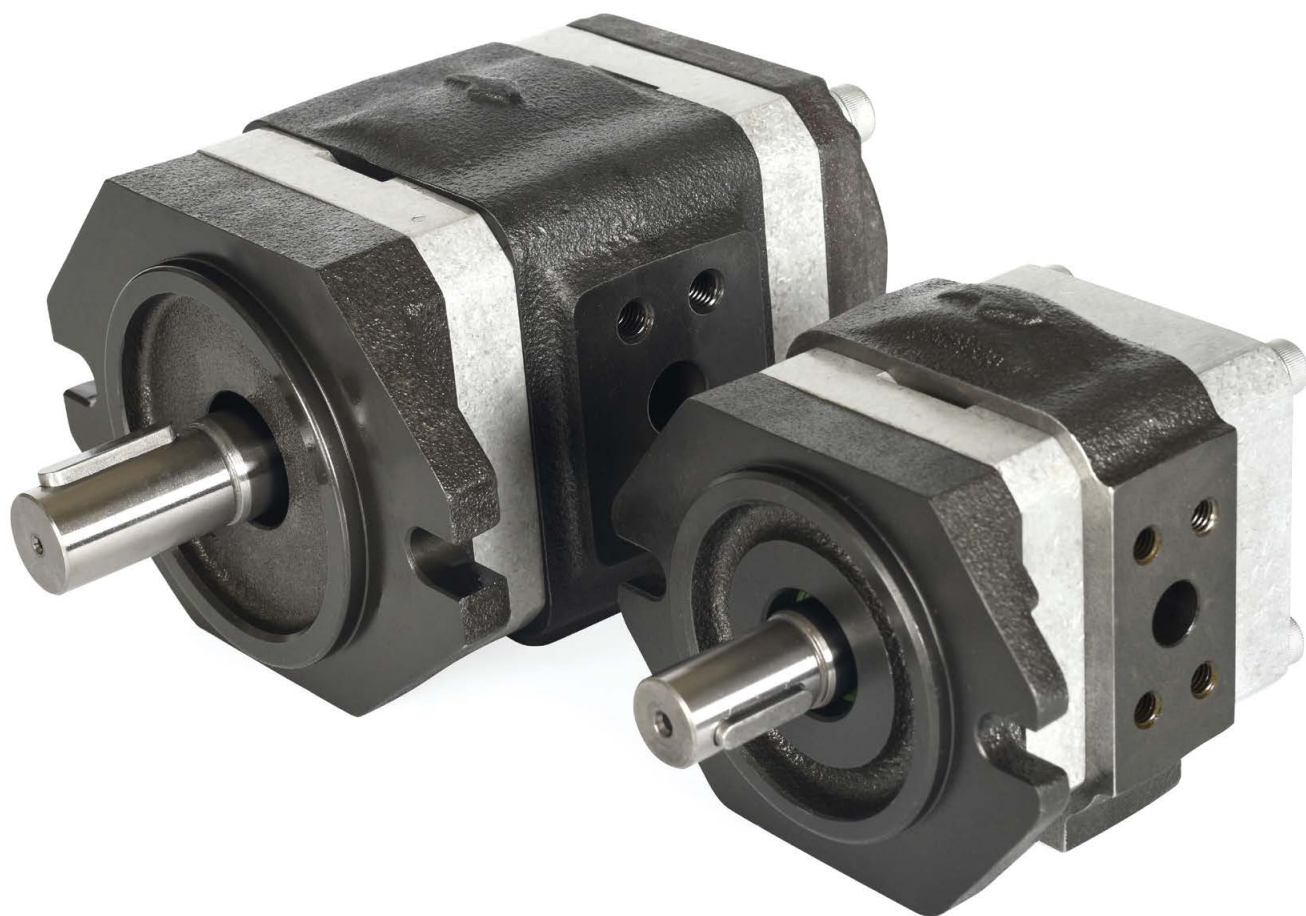


Internal Gear Pump



Contents

Internal Gear Pump

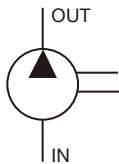
Internal Gear Pump

SIPH2	04
SIPH3	08

SIPH2



SYMBOLS



ORDER CODES

SIPH2 - **19** - **1** **R** - **H**

1 2 3 4 5

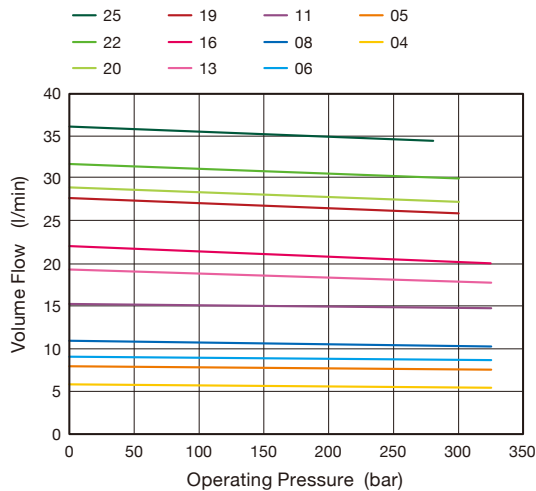
1	Model Name	SIPH2	
2	Displacement	04, 05, 06, 08, 11, 13, 16, 19, 20, 22, 25	
3	Shaft Type	1	straight keyed shaft
		2	splined shaft SAE16/32-13T
		3	splined shaft SAE16/32-10T
4	Rotation Direction (Side View of Self Aligning Bearing)	R	clockwise direction
		L	counter clockwise direction
5	Material	H	casting iron
		none	aluminum

MODEL SPEC.

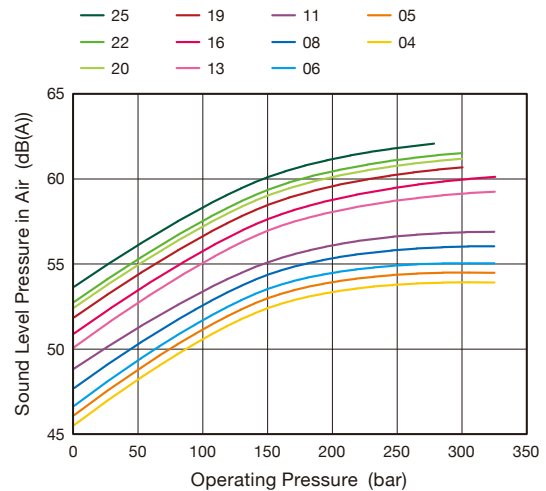
Model	04	05	06	08	11	13	16	19	20	22	25
Displacement (cm³/rev)	4.2	5.4	6.4	7.9	10.9	13.3	15.8	19.3	20.1	22.2	25.2
Rated Pressure (bar)	280							250			
Max. Pressure (bar)	320							300			280
Speed (r.p.m.)	200 ~ 3000							200 ~ 2800			200 ~ 2500
Viscosity (mm²/s)	10 ~ 300										
Operating Temperature (°C)	-20 ~ 80										
Operating Medium	HLP 32 46 68										
Oil Cleanness	Level 9 (NAS1638) or 20/18/15 (ISO4066)										
Admission Pressure (bar)	0.6 ~ 2.0										
Efficiency Vo (%)	88	91	92			93					
Pump Noise (dB)	53	53	54	55	56	57	58	58	59	59	60
Weight (kg)	3.0	3.0	3.1	3.2	3.4	3.5	3.6	3.9	4.1	4.1	4.3

PERFORMANCE CURVES

► Flow vs. Pressure



► Sound Level Pressure in Air



* Measurement conditions: Speed 1450 r/min, viscosity 46mm²/s, operating temperature 40°C

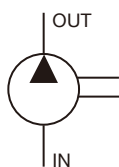
[illegible]

Model	A	B	C	D	E	F	G
SIPH2-04	109.5	55	50	38.1	17.5	14	M8 Deep15
SIPH2-05	109.5	55	50	38.1	17.5	14	M8 Deep15
SIPH2-06	111.5	56	50	47.5	22	19	M10 Deep16
SIPH2-08	114.5	57.5	50	47.5	22	19	M10 Deep16
SIPH2-11	120.5	60.5	50	52.4	26.2	25	M10 Deep17
SIPH2-13	125.5	63	50	52.4	26.2	25	M10 Deep17
SIPH2-16	130.5	65.5	50	52.4	26.2	25	M10 Deep17
SIPH2-19	137.5	69	55	52.4	26.2	25	M10 Deep17
SIPH2-20	143.5	72	55	52.4	26.2	25	M10 Deep17
SIPH2-22	143.5	72	55	52.4	26.2	25	M10 Deep17
SIPH2-25	149.5	75	55	52.4	26.2	25	M10 Deep17

SIPH3



SYMBOLS



ORDER CODES

SIPH3 - **40** - **1** **R** - **H**

1 2 3 4 5

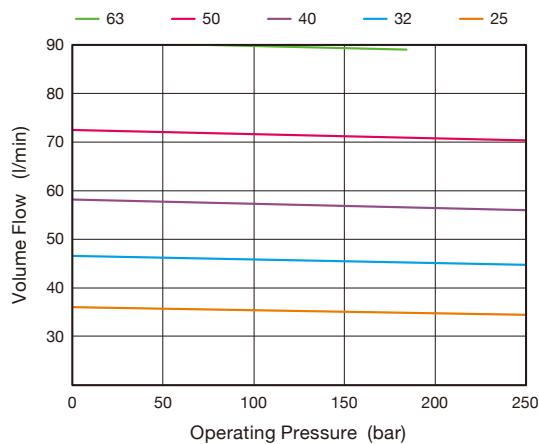
1	Model Name	SIPH3	
2	Displacement	25, 32, 40, 50, 63	
3	Shaft Type	1	straight keyed shaft
		2	splined shaft SAE16/32-15T
4	Rotation Direction (Side View of Self Aligning Bearing)	R	clockwise direction
		L	counter clockwise direction
5	Material	H	casting iron
		none	aluminum

MODEL SPEC.

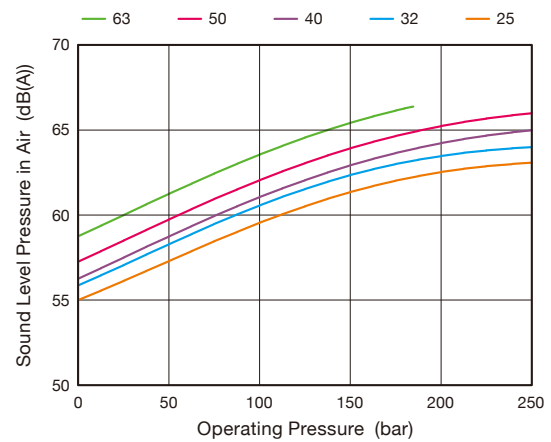
Model	25	32	40	50	63
Displacement (cm ³ /rev)	24.8	32.1	40.1	50.3	63.1
Rated Pressure (bar)	250				180
Max. Pressure (bar)	320	320	300	280	210
Speed (r.p.m.)	200 ~ 3000	200 ~ 3000	100 ~ 2500	100 ~ 2200	100 ~ 1800
Viscosity (mm ² /s)	10 ~ 300				
Operating Temperature (°C)	-20 ~ 80				
Operating Medium	HLP 32 46 68				
Oil Cleanliness	Level 9 (NAS1638) or 20/18/15 (ISO4066)				
Admission Pressure (bar)	0.6 ~ 2.0				
Efficiency Vo (%)	92		93		
Pump Noise (dB)	63	64	65	66	64
Weight (kg)	8.7	9.3	9.9	10.6	11.3

PERFORMANCE CURVES

► Flow vs. Pressure

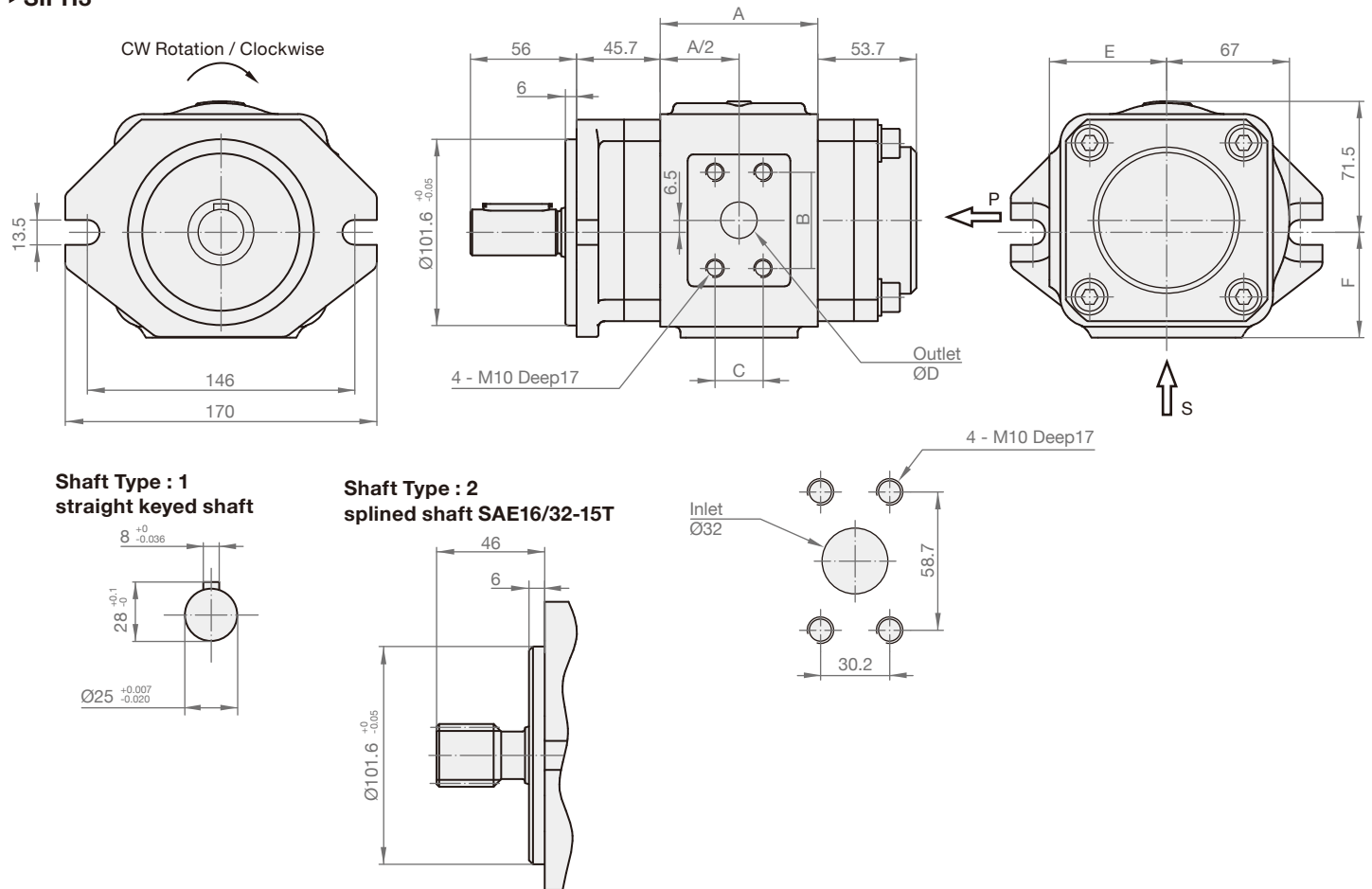


► Sound Level Pressure in Air



* Measurement conditions: Speed 1450 r/min, viscosity 46mm²/s, operating temperature 40°C

► **SIPH3**



Model	A	B	C	ØD	E	F
SIPH3-25-H, SIPH3-25	65	47.5	22	18	64	57.5
SIPH3-32-H, SIPH3-32	75	47.5	22	18	64	57.5
SIPH3-40-H	86	52.4	26.2	20	70	63.5
SIPH3-40	86	52.4	26.2	20	64	57.5
SIPH3-50-H	100	52.4	26.2	20	70	63.5
SIPH3-50	100	52.4	26.2	20	64	57.5
SIPH3-63-H	118	52.4	26.2	25.4	70	63.5
SIPH3-63	118	52.4	26.2	25.4	64	57.5

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