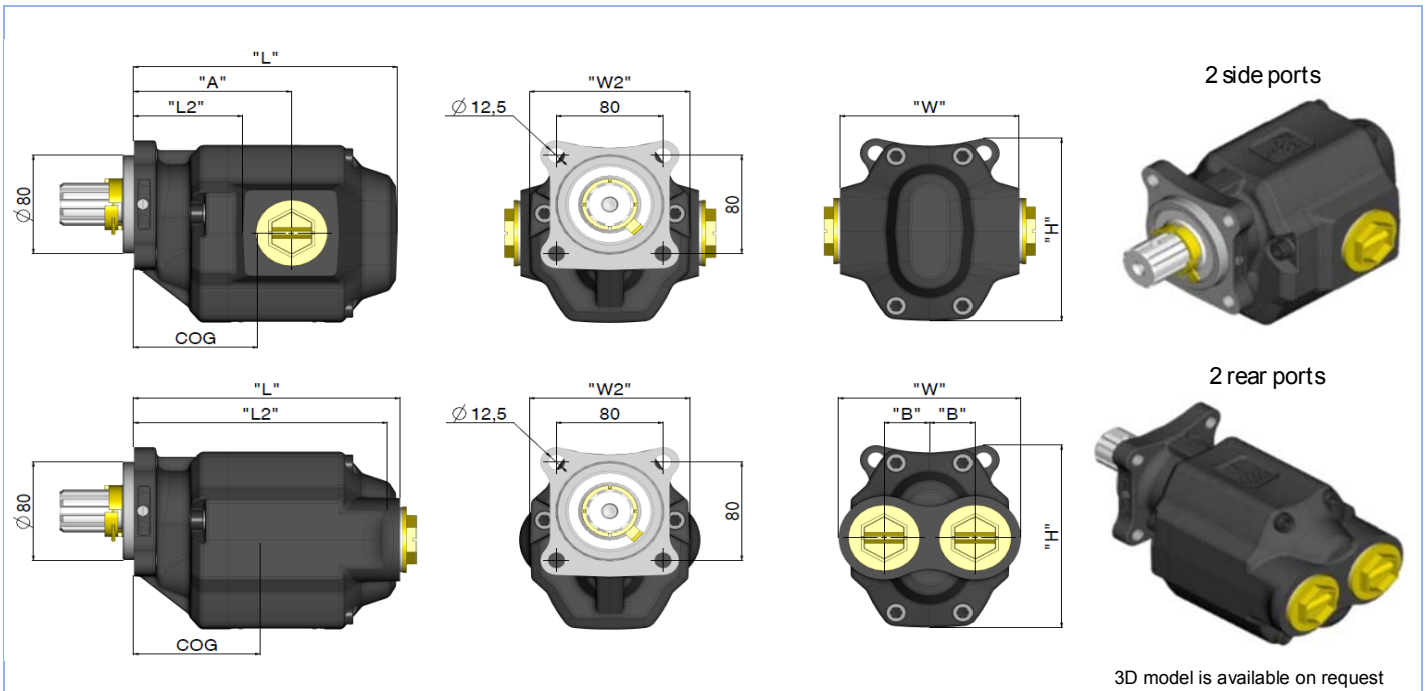


HYVA GEAR PUMP



ALPHA Gear pump BI - 4H3
Bi-rotational / Flange ISO 4 holes

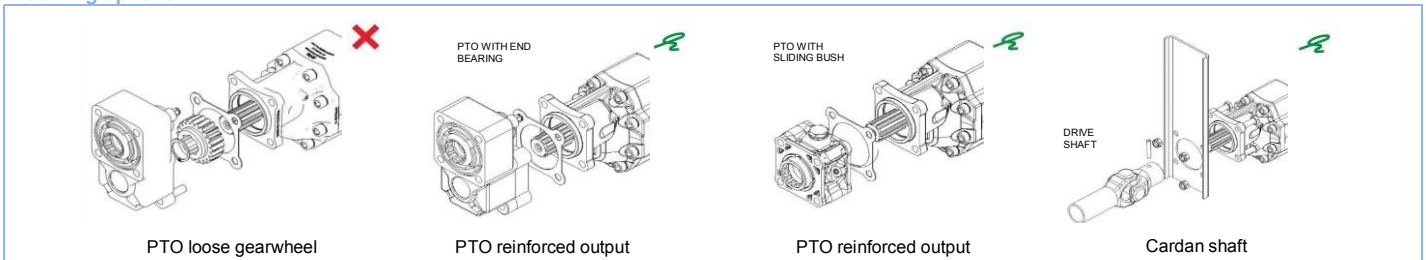


3D model is available on request

Specifications

Type	85 cc	85 cc	105 cc	105 cc	
Part number	14571240	14571241	14571250	14571251	
Displacement per revolution	85,1	85,1	104,7	104,7	cc
Port configuration	2 side	2 rear	2 side	2 rear	
Shaft DIN 5462	8*32*36	8*32*36	8*32*36	8*32*36	mm
Inlet - straight internal thread	1 1/4	1 1/4	1 1/4	1 1/4	" BSP
Outlet - straight internal thread	1 1/4	1 1/4	1 1/4	1 1/4	" BSP
Minimum suction hose diameter	1 3/4	1 3/4	1 3/4	1 3/4	inch
Torque at 250 bar	385	385	473	473	Nm
p2: max. pressure for tipping applications	250	250	250	250	bar
p3: max. continuous pressure	230	230	230	230	bar
p1: max. peak pressure	255	255	255	255	bar
Flow at 2000 rpm	157	157	193	193	l/m
Max. speed at intermittent pressure	2500	2500	2250	2250	rpm
Min. speed at intermittent pressure	300	300	300	300	rpm
L: Length pump	184	187	196	199	mm
L2: Length before ports	81	178	81	190	mm
W: Width pump	134	136	134	136	mm
W2: Smaller width before ports	120	120	120	120	mm
H: Height pump	148,5	148,5	148,5	148,5	mm
A: Position side port	114		118		mm
B: Position rear port		34		34	mm
Mass	14	14	15	15	kg
Centre of gravity distance (COG)	87	89	93	95	mm
Oil temperature range	min / max -40 / 80	min / max -40 / 80	min / max -40 / 80	min / max -40 / 80	°C
Inlet pressure range (suction side)	min / max 0,7 / 3	min / max 0,7 / 3	min / max 0,7 / 3	min / max 0,7 / 3	bar
Recommended oil viscosity range	min / max 12 / 100	min / max 12 / 100	min / max 12 / 100	min / max 12 / 100	mm ² /s
Max. starting viscosity	750	750	750	750	mm ² /s
Min. filtration	25	25	25	25	µm
Noise level at 1000 rpm and 100 bar	65	65	66	66	dB

Mounting options



Technical notes

• Recommended oil is mineral based; for other fluids contact our engineering department • Mentioned filtration is for tipper applications only • To avoid cavitation, suction hose must be kept as short and straight as possible and oil viscosity should be respected at all operating temperatures • Painted black (RAL9005)

Related documentation

Mounting instructions: included in the box

Oil specifications: OIL-0011

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