

BI 系列齿轮泵

BI SERIES GEAR PUMP

CE FC RoHS

BI齿轮泵的主要优点是:

高品质泵 双向旋转 软管的后部和侧面安装 维护方便 ▶ 不停机 有3孔和4孔两种版本

The main advantages of the BI gear pumps are:

Top quality pump Bi-directional Rear and side mounting of the hoses maintenance free ▶ no standstill Available in 3 and 4 holes version

0.5 Group

1 Group

2 Group

3 Group

HGP

BI

NSH

Cast iron gear pump

BI-SERIES

Max.continuous pressure: pressure allowed constantly, without peaks.

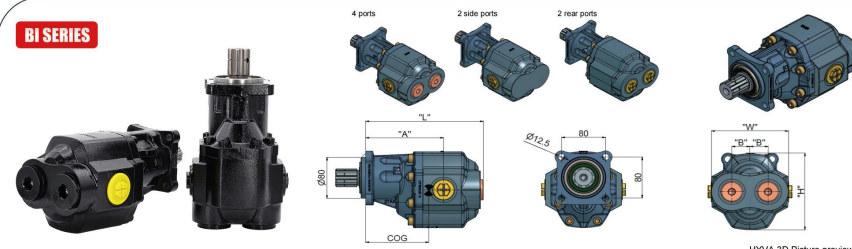
Max.intermittent pressure: pressure allowed for maximum 20 seconds.

Max.peak pressure: pressure allowed for a short interval of max 8 seconds.



BI 产品参数 BI Product parameter

BI SERIES



HYVA 3D Picture preview

Type	35 cc	52cc	61cc	82 cc	82 cc	92 cc	100 cc	100 cc	113 cc	
Part number	14562005	14562010	14562015	14571224	14562091	14562030	14562093	14562095	14562036	
Displacement per revolution	35	52	61	82	82	92	100	100	113	cc
Port configuration	4 port	4 port	4 port	2 side	2 rear	4 port	2 rear	2 side	4 port	mm
Shaft DIN 5462	8*32*36	8*32*36	8*32*36	8*32*36	8*32*36	8*32*36	8*32*36	8*32*36	8*32*36	"BSP"
Inlet-straight internal thread	3/4	1	1	1	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	inch
Outlet-straight internal thread	3/4	1	1	1	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	mm
Minimum suction hose diameter	1 1/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	inch
Torque at 250 bar	148	220	258	347	347	389	428	428	478	Nm
Max. pressure for tipping applications	275	275	250	250	250	250	250	250	250	bar
Max. continuous pressure	255	255	230	230	230	230	230	230	230	bar
Max. peak pressure	285	280	255	255	255	255	255	255	255	bar
Max. flow (at 2000 rpm)	64	95	113	150	150	168	185	185	208	l/m
Max. speed at intermittent press.	2500	2500	2500	2500	2500	2500	2250	2000	2000	rpm
Min. speed at intermittent press.	300	300	300	300	300	400	300	300	400	rpm
L: Length pump	189	200	206	222	230	236	239	236	246	mm
W: Width pump	128	128	128	138	138	140.5	138	138	140.4	mm
H: Height pump	149.5	149.5	149.5	149.5	149.5	166.5	149.5	149.5	166.5	mm
A: Position side port	130.5	132.5	138.5	152		155		157.4	165	mm
B: Position rear port	30	30	30		33	33		33	33	mm
Mass	12.5	13.5	14	16.6	16.4	19.5	17.4	18	20.8	kg
Centre of gravity distance (COG)	99.3	105.2	106.5	117.8	117.8	126	126	131	130.1	mm
Oil temperature range	-40/80	-40/80	-40/80	-40/80	-40/80	-40/80	-40/80	-40/80	-40/80	°C
Inlet pressure range (suction side)	0.7/3	0.7/3	0.7/3	0.7/3	0.7/3	0.7/3	0.7/3	0.7/3	0.7/3	bar
Recommended oil viscosity range	12/100	12/100	12/100	12/100	12/100	12/100	12/100	12/100	12/100	mm²/s
Max. starting viscosity	1500	1500	1500	1500	1500	1500	1500	1500	1500	mm²/s
Min. filtration	25	25	25	25	25	25	25	25	25	um
Noise level at 1000 min-1 and 100 bar	62.5	62.6	65.1	66.6	66.6	64.8	66.6	66.6	66.6	dB
Noise level at 1500 min-1 and 100 bar	67.6	67.5	69.4	71	71	68.3	69.5	69.5	69.5	dB

① Thrust plate

② O-ring

③ OR-seal

④ Seal

⑤ Shaft seal

⑥ Shaft seal

⑦ Shaft seal

⑧ Back-up ring

