

YB1 model vane oil pump

技术规格 Technical Size

型 号 Model	L	L ₁	L ₂	L ₃	B	B ₁	H	S	D ₁	D ₂	d	d ₁	C	t	b	Z ₁	Z ₂	Z ₃
YB1-2.5、4、6.3、10	151	80	36		36	16	124	90	Φ75dc	Φ100	Φ15	Φ9	5	17	5	Z ^{3/8} "	Z ^{1/4} "	
YB1-16、20、25	186	98	38		45	20	145	110	Φ90dc	Φ128	Φ20	Φ11	5	21.9	5	Z 1"	Z ^{3/4} "	
YB1-32、40、50	210	110	45		50	25	170	130	Φ90dc	Φ150	Φ25	Φ13	5	28	8	Z 1"	Z 1"	
YB1-63、80、100	225	118	49.5		50	30	200	150	Φ90dc	Φ175	Φ30	Φ13	5	33	8	Z ^{1 1/4} "	Z 1"	
YB1-2.5~10/2.5~10	221	96.5	36	121	36	20	110	90	Φ75dc	Φ100	Φ15	Φ9	5	17	5	Z ^{3/4} "	Z ^{1/4} "	Z ^{1/4} "
YB1-16~25/2.5~10	255	106	38	144	45	20	145	110	Φ90dc	Φ128	Φ20	Φ11	5	22	5	Z 1"	Z ^{3/4} "	Z ^{1/4} "
YB1-32~50/2.5~10	295	140	45	165	50	25	175	130	Φ90dc	Φ150	Φ25	Φ13	5	28	8	Z ^{1 1/4} "	Z 1"	Z ^{1/4} "
YB1-63~100/2.5~10	303.5	150.5	49.5	176	50	30	200	150	Φ90dc	Φ175	Φ30	Φ13	5	33	8	Z ^{1 1/2} "	Z 1"	Z ^{1/4} "
YB1-16~25/16~25	276	122	38	126	45	20	147	110	Φ90dc	Φ128	Φ20	Φ11	5	21.9	5	Z 1"	Z ^{3/4} "	Z ^{3/4} "
YB1-32~50/16~25	305	119.5	44	183.3	50	30	175	130	Φ90dc	Φ150	Φ25	Φ13	5	28	8	Z ^{1 1/4} "	Z 1"	Z ^{3/4} "
YB1-63~100/16~25	318	128	49.5	194	50	30	212	150	Φ90dc	Φ175	Φ30	Φ13	5	33	8	Z ^{1 1/2} "	Z 1"	Z ^{3/4} "
YB1-32~50/32~50	316	139.5	44	191	50	30	175	130	Φ90dc	Φ150	Φ20	Φ13	5	28	8	Z ^{1 1/4} "	Z 1"	Z 1"
YB1-63~100/32~50	337	128.3	49	207.3	50	30	215	150	Φ90dc	Φ175	Φ25	Φ13	5	33	8	Z 2"	Z 1"	Z 1"
YB1-63~100/63~100	348	158	49	218	50	30	205	150	Φ90dc	Φ175	Φ30	Φ13	5	33	8	Z 2"	Z 1"	Z 1"

2CY系列齿轮油泵

2CY series gear oil pump

简介 General Description

适用于输送不含固体颗粒和纤维,无腐蚀性,温度不高于80℃,粘度为 $5 \times 10^{-6} \sim 1.5 \times 10^{-3} \text{m}^2/\text{s}$ (5~1500cst)的润滑油或性质类似润滑油的其它液体,以及用于液压传动系统。

It only be used to transport lubricant oil which is out of solid particles and fiber and corrosive acid, and the temperature can't beyond 80℃ (viscosity factor is 5~1500cst). 2CY geared oil pump can also use in hydraulic transmission system.



应用范围 Application Scope

在输油系统中可用作传输、增压泵;
在燃油系统中可用作输送、加压、喷射的燃油泵;
在液压传动系统中可用作提供液压动力的液压泵;
在一切工业领域中,均可作润滑油泵用。

Transferred and pressurized pump in tank handling device, transferred, pressurized and jet pump in fuel systems, in the hydraulic transmission system, it is used to provide hydraulic power for hydraulic pumps. in all industrial areas, it can be used as lubricating oil pump.

结构特点 Structure Feature

本系列齿轮泵主要有齿轮、轴、泵体、泵盖、轴端套、轴端密封等组成。齿轮经氮化处理有较高的硬度和耐磨性,与轴一同安装在可更换的轴套内运转。泵内全部零件的润滑均在泵工作时利用输送介质而自动达到。

泵内四个轴承套在泵体内浮动安装,随工作压力大小自动调整端面间隙,因此泵的压力稳定,输出流量脉动小,容积效率高。

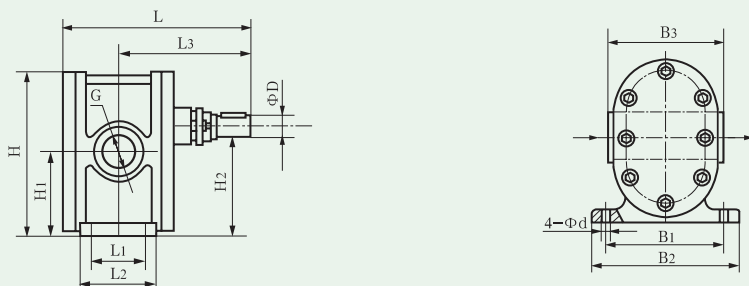
从主轴外伸端向泵看,为顺时针旋转。

This series of gear pumps are mainly composed of gear, shaft, pump, pump cover, shaft sleeve, shaft. it throughs by nitrogen treatment, has a relatively high hardness and wear resistance, together with the shaft installed in the sleeve which can be replaced. all the parts in the pump work automatically through using transmission medium to reach.

Four bearings in the pump body has floating installation. with the work pressure, it adjusts the size of end-gap automatically. so the pressure pump has stability, small output flow pulsation, volumetric efficiency.

It's clockwise rotation.

外形尺寸图 Outline Dimension



技术参数 Technical Data

型 号 Model	流 量 Flow		转 速 Speed r/min	排出压力 Discharge Pressure MPa	必需汽蚀余量 Requested net positive suction head m	效 率 Efficiency %	电 动 机 Electromotor	
	m ³ /h	L/min					功率 Power KW	型号 Model
2CY-1.08/2.5	1.08	18	1420	2.5	9.5	58	2.2	Y100L1-4
2CY-2.1/2.5	2.1	35	1420	2.5	9.5	58	3	Y100L2-4
2CY-3/2.5	3	50	1440	2.5	9.5	59	4	Y112M-4
2CY-4.2/2.5	4.2	70	1440	2.5	9.5	59	5.5	Y132S-4
2CY-7.5/2.5	7.5	125	1440	2.5	9.5	63	7.5	Y132M-4
2CY-12/2.5	12	200	1460	2.5	9.5	63	15	Y160L-4

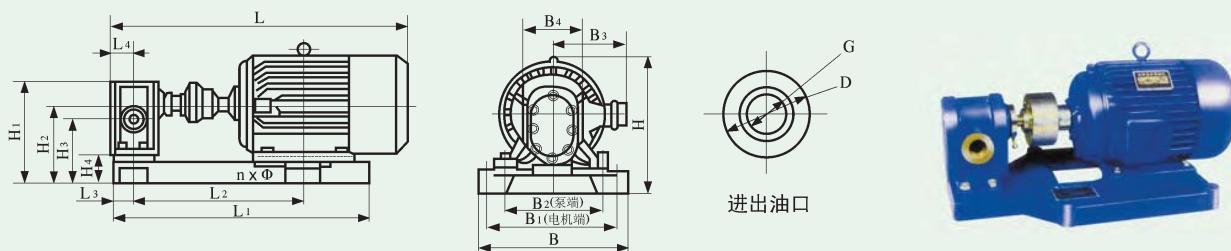
技术规格 Technical Size

型 号 Model	L	L1	L2	L3	B1	B2	B3	H	H1	H2	G	ΦD	4-ΦD
2CY-1.08/2.5	193.5	45	75	138.5	114	138	95	132	67.5	87	G ³ / ₄ "	18	10
2CY-2.1/2.5	198.5	48	78	142.5	124	154	110	164.5	86	112	G1"	18	10
2CY-3/2.5	198.5	48	78	142.5	124	154	110	164.5	86	112	G1"	18	10
2CY-4.2/2.5	220	58	88	155	160	190	140	205	107.5	140	G1 ¹ / ₄ "	28	12
2CY-7.5/2.5	239	65	98	164.5	160	190	140	205	107.5	140	G1 ¹ / ₂ "	28	12
2CY-12/2.5	360	106	136	257	190	220	210	256	136	178	G2"	32	14

2CY系列齿轮油泵电机组

2CY series of motor group for gear oil pump

外形尺寸图 Outline Dimension



技术规格 Technical Size

型 号 Model	L	L1	L2	L3	L4	H	H1	H2	H3	H4	B	B1	B2	B3	B4	G	D	nxΦ	重量 Weight kg
2CY-1.08/2.5	582	486	339	47.5	55	290	190	145	125.5	58	293	257	190	180	95	G ³ / ₄ "	Φ36	4xΦ18	56
2CY-2.1/2.5	586	493	344	49	56	302	210	157	131	45	293	257	206	180	110	G1"	Φ50	4xΦ18	63.5
2CY-3/2.5	605	499	349	49	56	310	210	157	131	45	333	297	206	190	110	G1"	Φ50	4xΦ18	77.5
2CY-4.2/2.5	720	585	420	54	65	373	255	190	157.5	50	368	332	242	210	140	G1 ¹ / ₄ "	Φ70	4xΦ18	121
2CY-7.5/2.5	780	637	448	60	75	378	260	195	162.5	55	368	332	242	210	140	G1 ¹ / ₂ "	Φ70	4xΦ18	136
2CY-12/2.5	1020	862	616	78	103	468	321	243	201	65	416	380	272	255	210	G2"	Φ95	4xΦ18	173

备 注 Addition 需配防爆电机及变动电机功率时,订货请注明。