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The banner features the Hanthing logo on the left, which consists of a stylized blue 'S' shape above the word 'Hanthing' in a blue sans-serif font. To the right of the logo is a collage of various industrial pumps and valves. A large, diagonal blue arrow points from the bottom left towards the top right, containing the text 'Water pump' in yellow. Along the right edge of this arrow, four pump types are listed in white text on blue rectangular backgrounds: 'Inline', 'Split case', 'Multi stage', and 'End suction'. At the bottom of the banner, the website 'www.hanthing.com' is displayed in white text on a blue background. Small text boxes within the pump collage read 'QUALITY CREATES VALUE' and 'INNOVATION SHAPES THE FUTURE'.

Hanthing

Water pump

Inline
Split case
Multi stage
End suction

www.hanthing.com



The banner features the Exthin logo on the left, which consists of three yellow wavy lines above the word 'Exthin' in a bold yellow sans-serif font. To the right of the logo is a large, diagonal black arrow pointing from the bottom left towards the top right, containing the text 'Air Compressor' in yellow. Along the right edge of this arrow, three compressor types are listed in white text on black rectangular backgrounds: 'Portable', 'Screw', and 'Piston'. On the right side of the banner is a photograph of a blue and grey industrial air compressor unit. At the top of the banner, the website 'www.exthin.com' is displayed in white text on a black background.

Exthin

Air Compressor

Portable
Screw
Piston

www.exthin.com

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Address: NO.566, Tongli road, songjiang district, Shanghai, China
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CDM/F2CY 齿轮泵

2CY Series Gear Pump



2CY 系列齿轮泵

2CY SERIES GEAR PUMP



1、用途

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 $5 \times 10^{-4} \sim 1.5 \times 10^{-3} \text{m}^2/\text{s}$ (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。

2、应用范围

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。

3、结构特点

本系列齿轮泵主要有齿轮、轴、泵体、泵盖、轴承套、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。

1、Application:

It applies to delivering non-corrosive lubricating-oil or equivalent liquid without solid particles and fibres at temperature below 80℃ and with the viscosity of $5 \times 10^{-4} \sim 1.5 \times 10^{-3} \text{m}^2/\text{s}$ (5—1500cSt). It applies to hydraulic system, too.

2、Application Scope

It can give performance as transfer pump or booster pump in oil delivery system, and fuel pump for delivery, pressurization and injection in fuel supply system. It can be also applied as hydraulic pump supplying hydraulic power in hydraulic system and in all industry fields as lubricating pump.

3、Structure Features

2CY series gear pumps are mainly composed of gears, axles, pump body, pump cover, bearing sleeves and axle-end seals, etc. The nitriding-treated gears have the advantage of higher hardness and wear property, and they rotate with the axles inside the replaceable bearing sleeves. All of pump's parts can be lubricated by delivered medium when working.

Four bearing sleeves are installed suspended in pump body and can be automatically adjusted with facing gaps clearance complying with pressure change, therefore, it results in stable pump pressure, little discharge, flow pulsation and higher volume efficiency.

The direction of rotation is clockwise viewed from coupling end.

性能曲线图

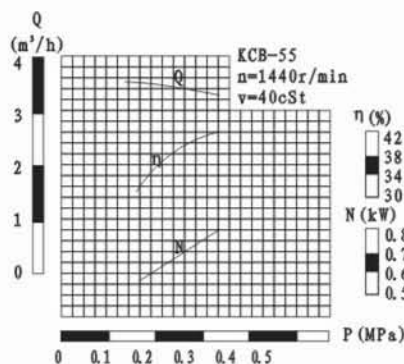
DIAGRAM OF PERFORMANCE CURVE

各型齿轮泵的性能参数，是在介质粘度 $4 \times 10^{-5} \text{ m}^2/\text{s}$ (40cSt) 时确定的。性能参数表中给出的参数值适用于介质粘度 $1 \times 10^{-5} \sim 8 \times 10^{-5} \text{ m}^2/\text{s}$ (10—80cSt) 范围内，超出这个范围则根据用户提出的性能参数要求另行确定。

各型齿轮泵性能参数中给出的排出压力是给出的最大工作压力值，在此范围内泵均能正常工作，其工作范围见图一。

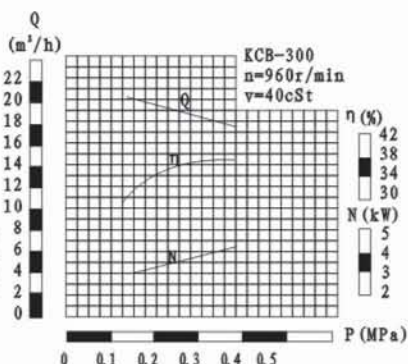
Performance data of all gear pump have been defined on basis of the viscosity of $4 \times 10^{-5} \text{ m}^2/\text{s}$ (40cSt). The data indicated in the performance diagram is suitable to medium viscosity of $1 \times 10^{-5} \sim 8 \times 10^{-5} \text{ m}^2/\text{s}$ (10—80cSt). If which exceeds the above viscosity, the data will be re-defined according to the client's demands.

The given exhausting pressure of all gear pumps is the highest working pressure, and pumps can perform normally within range of the rated working pressure, which can be found in Diagram N0.1.



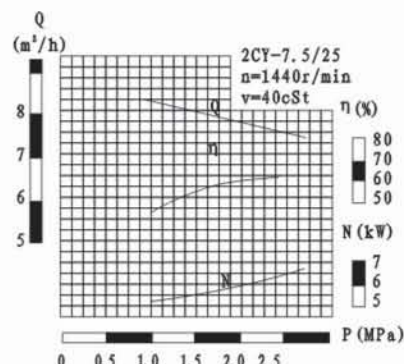
KCB-55型性能曲线图

Diagram of Performance Curve of Model KCB-55 Gear Pump



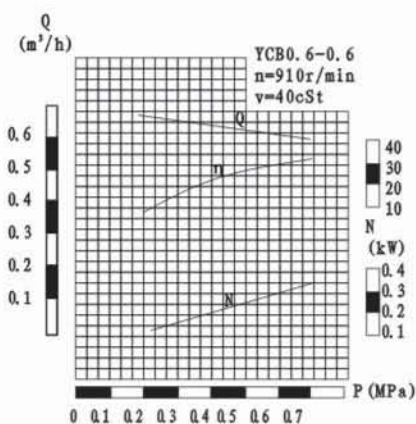
KCB-300型性能曲线图

Diagram of Performance Curve of Model KCB-300 Gear Pump



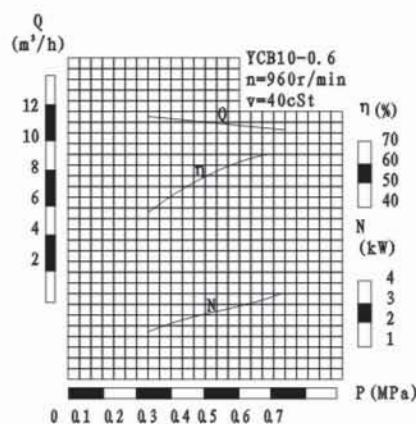
2CY-7.5/25型性能曲线图

Diagram of Performance Curve of Model 2CY-7.5/25 Gear Pump



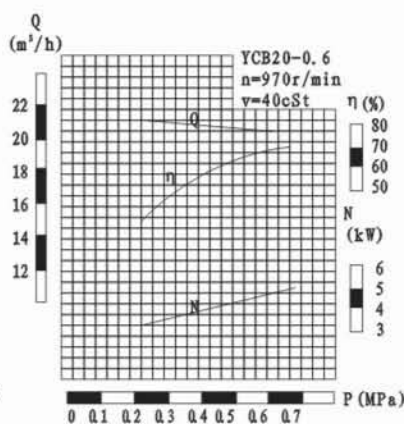
YCB 0.6-0.6型性能曲线图

Diagram of Performance Curve of Model YCB 0.6-0.6 Gear Pump



YCB 10-0.6型性能曲线图

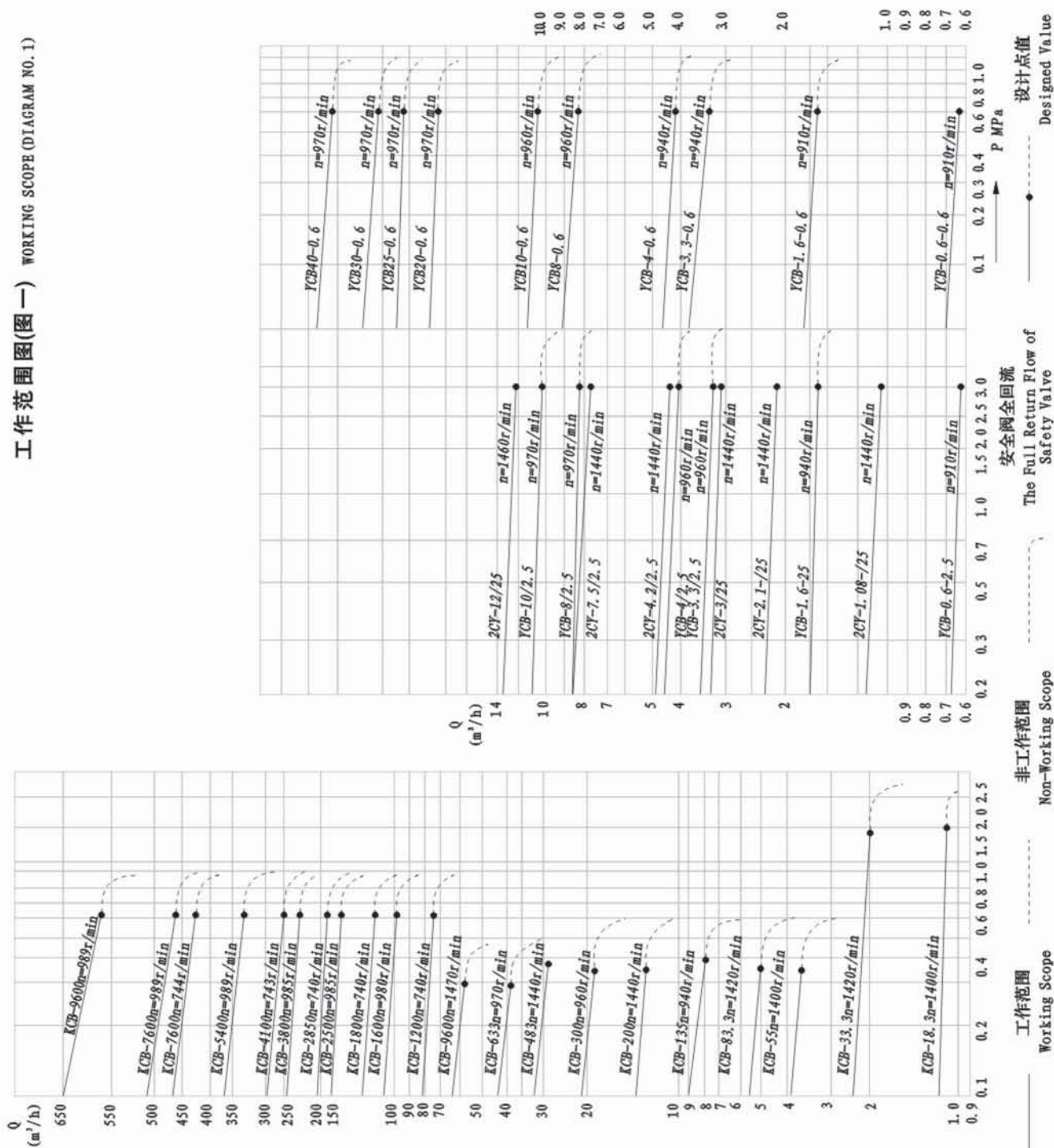
Diagram of Performance Curve of Model YCB 10-0.6 Gear Pump



YCB 20-0.6型性能曲线图

Diagram of Performance Curve of Model YCB 20-0.6 Gear Pump

工作范围图(图一) WORKING SCOPE (DIAGRAM NO. 1)



KCB型齿轮泵性能参数 FUNCTIONAL DATA OF KCB SERIES GEAR PUMPS

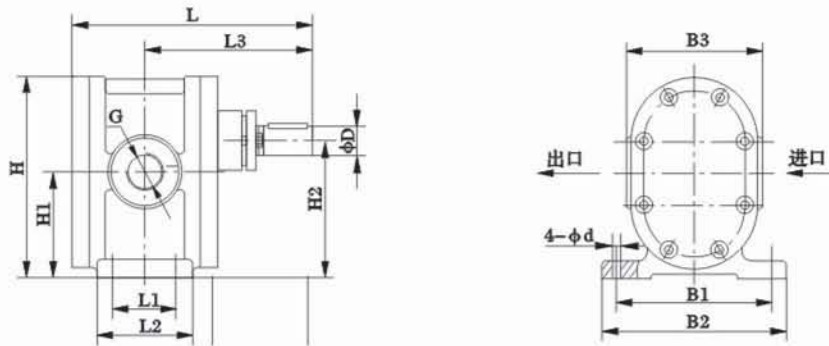
型号 Model	流量 Capacity Q		转速 Speed r/min	排出压力 Exhaust Pressure P MPa	必需汽 蚀余量 (NPSH) _r m	效率 Efficiency η %	电动机 Motor	
	m ³ /h	L/min					功率kW Power	型号 Model
KCB—18.3	1.1	18.3	1400	1.45	5	59	1.5	Y90L—4
2CY—1.1/1.45								
KCB—33.3	2	33.3	1420	1.45	5	59	2.2	Y100L1—4
2CY—2/1.45								
KCB—55	3.3	55	1400	0.33	7	41	1.5	Y90L—4
2CY—3.3/0.33								
KCB—83.3	5	83.3	1420	0.33	7	43	2.2	Y100L1—4
2CY—5/0.33								
KCB—135	8	135	940	0.33	5	46	2.2	Y112M—6
2CY—8/0.33								
KCB—200	12	200	1440	0.33	5	46	4	Y112M—4
2CY—12/0.33								
KCB—300	18	300	960	0.36	5	42	5.5	Y132M2—6
2CY—18/0.36								
KCB—483.3	29	483.3	1440	0.36	5.5	42	11	Y160M—4
2CY—29/0.36								
KCB—633	38	633	970	0.28	6	43	11	Y160L—6
2CY—38/0.28								
KCB—960	58	960	1470	0.28	6.5	43	22	Y180L—4
2CY—58/0.28								
KCB—1200	72	1200	740	0.6	7	43	37	Y280S—8
KCB—1600	95	1600	980				45	Y280S—6
KCB—1800	112	1800	740	0.6	7.5	43	55	Y315S—8
KCB—2500	150	2500	985				75	Y315S—6
KCB—2850	170	2850	740	0.6	8	44	90	Y315L1—8
KCB—3800	230	3800	989				110	Y315L1—6
KCB—4100	245	4100	743	0.6	8	44	132	Y355M1—8
KCB—5400	325	5400	989				160	Y355M1—6
KCB—5600	330	5600	744	0.6	8	44	160	Y355M2—8
KCB—7600	460	7600	989				200	Y355M3—6
KCB—7000	420	7000	744	0.6	8	44	185	Y355L1—8
KCB—9600	570	9600	989				250	Y355L2—6

2CY型齿轮泵性能参数 FUNCTIONAL DATA OF 2CY SERIES GEAR PUMPS

型号 Model	流量 Capacity Q		转速 Speed r/min	排出压力 Exhaust Pressure P MPa	必需汽 蚀余量 (NPSH) _r m	效率 Efficiency η %	电动机 Motor	
	m ³ /h	L/min					功率kW Power	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	62	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	61	15	Y160L—4

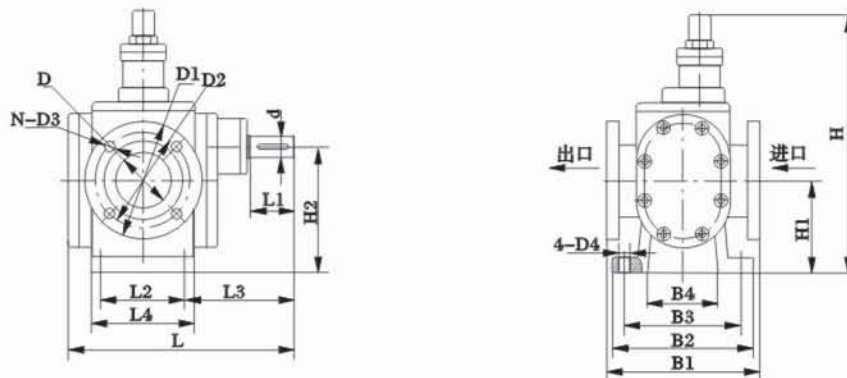
型号 Model	L	L ₁	L ₂	B ₁	B ₂	B ₃	H	H ₁	H ₂	φ1	φ2	φ3	n-d	φD	4-φD
KCB-1200	715	300	480	415	463	510	708	220	300	150	225	260	8-φ18	56	25
KCB-1600															
KCB-1800															
KCB-2500	830	340	547	460	585	684	876	262	350	200	280	320	8-φ18	76	25
KCB-2850															
KCB-3800															
KCB-4100	948	380	625	520	584	640	915	299	400	250	335	370	12-φ18	86	25
KCB-5600															
KCB-7000															
KCB-7600	1085	345	700	500	600	740	1155	386	500	350	445	490	12-φ23	95	32
KCB-9600															

2CY 型泵外形、安装尺寸 2CY GEAR PUMP APPERANCE & INSTALLATION DIMENSION



型号 Model	L	L ₁	L ₂	L ₃	B ₁	B ₂	B ₃	H	H ₁	H ₂	G	φD	4-φD
2CY-1.08/2.5	193.5	45	75	138.5	114	138	95	132	67.5	87	G3/4"	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

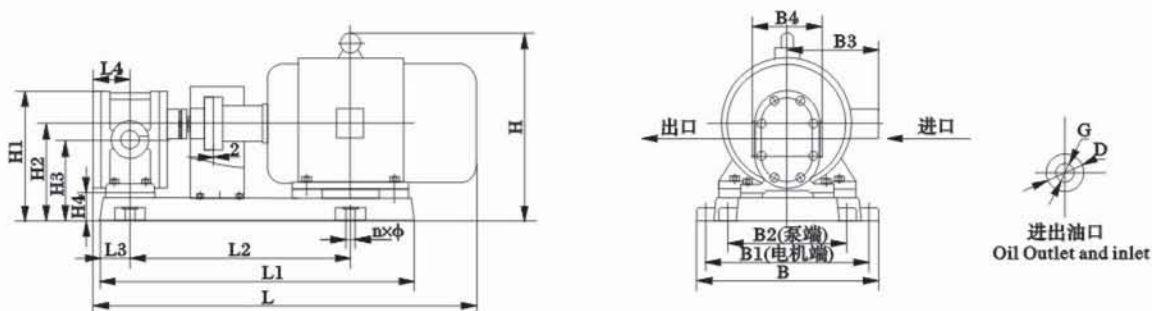
YCB 型泵外形、安装尺寸 YCB TYPE GEAR PUMP APPERANCE & INSTALLATION DIMENSION



型号 Model	L	L ₁	L ₂	L ₃	L ₄	B	B ₁	B ₂	B ₃	H	H ₁	H ₂	D	D ₁	D ₂	N-D ₃	4-D ₄	d
YCB0.6	180	30	45	107.5	66	125	91	70	35	187	80	92	φ25	φ100	φ75	4-M10	4-φ9	φ12
YCB1.6	208	32	55	118.5	80	150	115	90	50	208	79.7	95	φ32	φ120	φ90	4-φ14	4-φ11	φ14
YCB3.3	247.6	35	70	132.85	98	180	148	120	75	258	87.6	110	φ40	φ130	φ100	4-φ14	4-φ13	φ18
YCB4	260.6	35	80	134.8	108	180	148	120	75	263	92.6	115	φ50	φ140	φ110	4-φ14	4-φ13	φ18
YCB8	313	45	100	158.5	138	220	178	140	90	361	105	135	φ65	φ160	φ130	4-φ14	4-φ13	φ24
YCB10	330	45	100	168.5	138	220	178	140	90	360	105	135	φ65	φ160	φ130	4-φ14	4-φ13	φ24
YCB20	400	55	135	201	182	260	226	180	118	436.5	130.8	170	φ80	φ190	φ150	4-φ18	4-φ18	φ32
YCB25	430	55	135	216	182	260	226	180	118	436.5	130.8	170	φ100	φ210	φ170	4-φ18	4-φ18	φ32
YCB30	459	60	150	236	200	275	231	190	126	461	141	185	φ100	φ210	φ170	4-φ18	4-φ18	φ35
YCB40	500	70	175	251.5	225	300	260	210	140	509	157	205	φ125	φ240	φ200	8-φ18	4-φ18	φ40
YCB50	493	70	175	246.5	225	300	260	210	140	509	157	205	φ125	φ240	φ200	8-φ18	4-φ18	φ40

2CY-1.08/2.5 ~ 2CY-12/2.5 整机外形、安装尺寸及重量

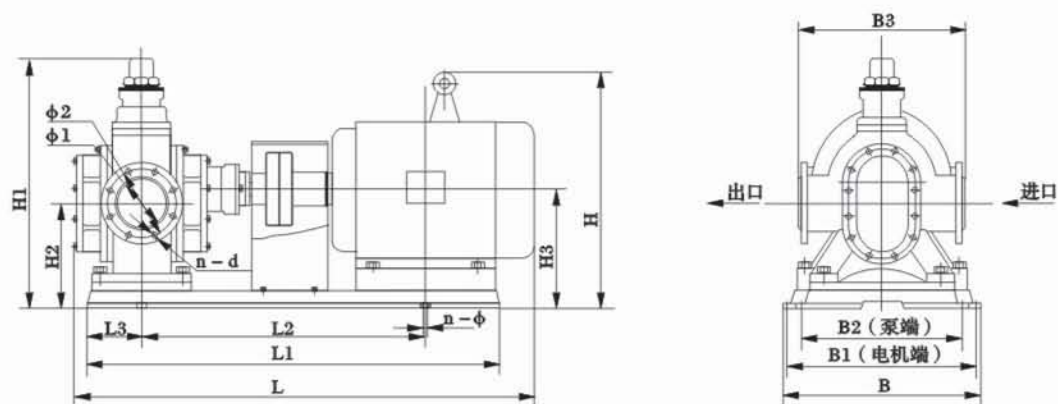
2CY-1.08/2.5 ~ 2CY-12/2.5 GEAR PUMP APPERANCE & INSTALLATION DIMENSION AND WBIGHT



型号 Model	L	L ₁	L ₂	L ₃	L ₄	H	H ₁	H ₂	H ₃	H ₄	B	B ₁	B ₂	B ₃	B ₄	G	D	n × φ	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	G3/4"	φ36	4 × φ18	56
2CY-2.1/2.5	586	493	344	49	56	302	210	157	131	45	293	257	206	180	110	G1"	φ50	4 × φ18	63.5
2CY-3/2.5	605	499	349	49	56	310	210	157	131	45	333	297	206	190	110	G1"	φ50	4 × φ18	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	4 × φ18	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	4 × φ18	136
2CY-12/2.5	1020	862	616	78	103	468	321	243	201	65	416	380	272	255	210	G2"	φ95	4 × φ18	173

KCB-1200 ~ KCB-9600 整机外形及安装尺寸

KCB-1200 ~ KCB-9600 GEAR PUMP APPERANCE & INSTALLATION DIMENSION AND WEIGHT



型号 Model	L	L ₁	L ₂	L ₃	H	H ₁	H ₂	H ₃	B	B ₁	B ₂	B ₃	φ1	φ2	n × d	n × φ
KCB1200/0.6	1771	1470	990	194	780	828	340	420	683	631	621	510	150	225	8-φ18	4-φ25
KCB1600/0.6																
KCB1800/0.6	2036	1704	1142	230	1020	996	382	470	772	720	720	684	200	280	8-φ18	4-φ25
KCB2500/0.6																
KCB2850/0.6	2294	1930	1250	270	1070	1035	419	520	810	750	750	640	250	335	12-φ18	4-φ30
KCB3800/0.6																
KCB4100/0.6	2524	2008	1340	270	1200	1035	419	520	1163	906	750	640	250	335	12-φ18	4-φ30
KCB5400/0.6																