

用心服务·品质卓越



KLS新型立式离心泵 KLS TYPE NEW VERTICAL CENTRIFUGAL PUMP

使用说明书 Working Instruction

KLS 新型立式离心泵

KLS type new vertical centrifugal pump



■概述 Summarize

●KLS 系列单级单吸立式离心泵是本公司最新推出的新型管道离心泵系列产品。标准化更高，配置立式标准电机和机械密封，它集国内外同类产品的长处，采用原 kCL 系列产品的水力模型，电机直接插入泵轴内孔，具有结构新颖独特，又紧凑低噪，高效节能，坚固耐用，维修方便等优点，型谱覆盖范围广，在有些场合可替代端吸型离心泵。符合 JB/T6878-2006 标准要求.根据流体介质不同设计制造了同性能参数的 KLH 化工泵； KLY 油泵系列产品。

●KLS sery single-stage single-suction vertical centrifugal pump is our company's latest new pipeline centrifugal pump series products. It is with standerd vertical enginee and mechanical sealing, and owns the advantages of in-kind pumps at home and abroad. This pump uses the hydraulic model of KCL sery products, plugging the enginee directly in the pumps shaft in the hole, and it has the advantages of modern and unique structure, compact and low noise, more efficiency and saving energy, sturdy and durable, easily maintainance. In some situations, the KLS sery pump can replace the end suction centrifugal pump. The KLS sery single-stage single-suction vertical centrifugal pump meets the state' JB/T6878-2006 standerd. Accoring to the different fluid medium, we designed a new KLH chemical pump with the same performance parameter to KLS, and also the KLY oil pump sery products.

■产品特点 Characteristics

●换代改进：最大的改进是采用立式标准电机，无加长轴、悬臂最短，电机轴承受力较同类型泵更小，寿命更长。而不是老型的水泵轴在电机转子轴上的延伸，无法实现泵与电机分离。KLS 新型管道离心泵完全可以泵头与电机分开，配套及标准化更好更高。

●Generation improvement: the biggest improvement is the vertical standard motor, no extended shaft, and the shortest cantilever. The pressure of motor bearings is less than the other same kind pumps and therefore, it has a longer life. The shaft of old type pump is the stretch of motor shaft, and it can not realize the separation between pump and motor. KLS new pipeline centrifugal pump can separate the pump and motor completely, and it has a better corollary equipment and more standerdized.

●运行平稳：泵轴的绝对同心度及叶轮的动静平衡，保证平稳运行，绝无震动。

●Smooth operation: The absolute concentricity of pump shaft and the static and dynamic balance of the impeller, ensure that the pump can be stable operated, and no vibration.

●滴水不漏：不同材质的机械密封，保证了不同介质输送均无泄漏。

●Absolutly no leakage: The different materials of mechanical seal ensures no leakage in the process of transmitting different medium.

●噪音低：两个低噪音轴承支撑下的水泵，运转平稳，除电机微弱声响，基本无噪音。

●Low noise: The water pump supported by two low-noise bearings have a stable running, and basically no noise except slight sound of motor.

●故障率低：结构简单合理，关键部分采用国际一流品质配套，整机无故障工作时间大大提高。

●Low failure rate: The pump owns simple and reasonable structure and adopts the international first-class quality equipment, then the trouble-free time for the pump has been greatly improved.

●维修方便：更换密封、泵轴、轴承简易方便。不会出现原来泵轴损坏需连同电机转子轴同时更换。由于采用顶部可拉出拆装形式，其可以在不影响管路的情况下对泵维护，大大的降低了维修成本及维修难度。

●Easy maintenance: Easier to replace the seal, pump shaft and bearings. For the old type pump, the motor shaft has to be replaced if the there is damage to pump shaft, but the the KLS pump will not come with this problem. Due to the disassembling and installment type, the pump can be repaired without influencing the pipeline, therefore, it reduces maintenance cost and maintenance difficulty greatly.

●占地更省：由于设计新颖、结构紧凑、外形尺寸比 IS 型及同类型便拆泵更小。

Less space requirment: Because of the morden design and compact structure, the KLS pump has a smaller dimensions than IS type and other pumps.

●介质温度：由于是泵头与电机是分体连接，故使用温度大大提升，使用温度为-20℃-+120℃。

- Medium' temperature: The pump and motor are fission connected and the working temperature is greatly ascend, from -20 °C to 120 °C.

■ 设计标准与主要材料 Design standerds and main material

- 设计标准 Design standerds

性能根据国际 ISO2858 和国家标准 JB/T6878.2-93 欧洲 BS EN733 / DIN24255 标准

- According to international ISO2858, JB/T6878.2-93, European BS EN733/DIN24255 standerds.

- 结构 立式、单级、单吸、蜗壳式、管道式

- Structures: Vertical, Single-stage, Single-suction, Volute type, Pipeline type

- 进出口直径: 25 - 350 (mm)

- Diameter for inlet and outlet: 25~350 (MM)

- 法兰标准 标准配置: PN16 ; 可选配置: ANSI B16.5 Class 150lb

- Flange standerd: PN16, optional: ANSI B16.5 Class 150LB

- 泵体 标准配置: 铸铁 HT200; 不锈钢 304/316/316L

- Pump: Cast Iron HT200, Stainless steel 304/316/316L

- 叶轮 标准配置: 铸铁 HT200; 黄铜 H 65; 不锈钢 304/316/316L

- Impeller: Cast Iron HT200, Brass H65, Stainless steel 304/316/316L

- 轴 标准配置: 45#钢 不锈钢 2Cr13; 不锈钢 304/316/316L

- Shaft: 45#steel, Stainless steel 2Cr13, Stainless steel 304/316/316L

- 轴封 标准配置: 机械密封

- Shaft sealing: Mechanical sealing

■ 技术参数 Technical parameter

- 最大流量 1200 m³/h

- Max Capacity: 1200M3/H

- 最高扬程 125m

- Max Head: 125M

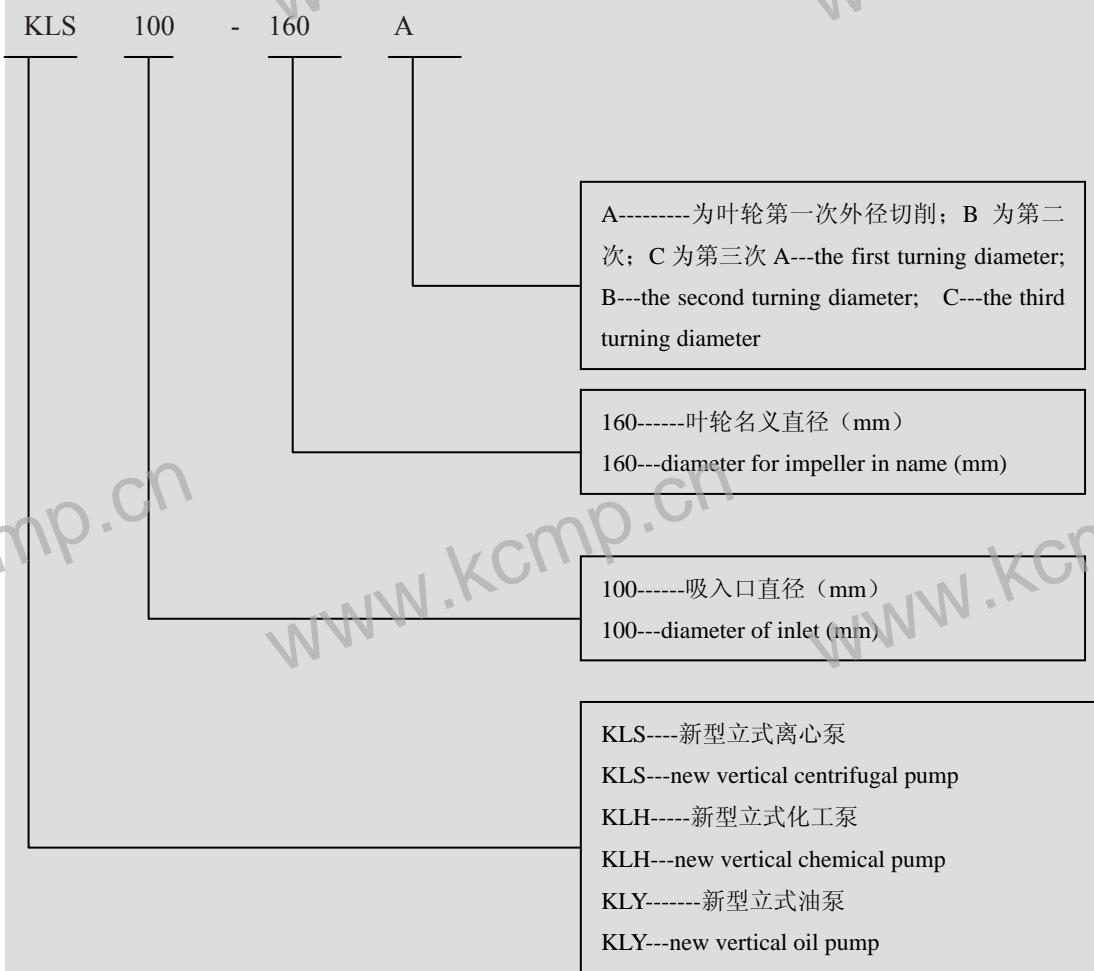
- 额定转速 1450~2900 rpm (50HZ), 1750~3500 rpm (60HZ)

- Rotate speed: 1450~2900R/M (50HZ), 1750~3500R/M (60HZ)

- 额定温度 -20 Celsius to 120 Celsius
- Temperature: -20 Celsius to 120 Celsius

- 最大工作压力 1.6 MPa
- Max working pressure: 1.6Mpa

■ 型号意义 The meaning for Model

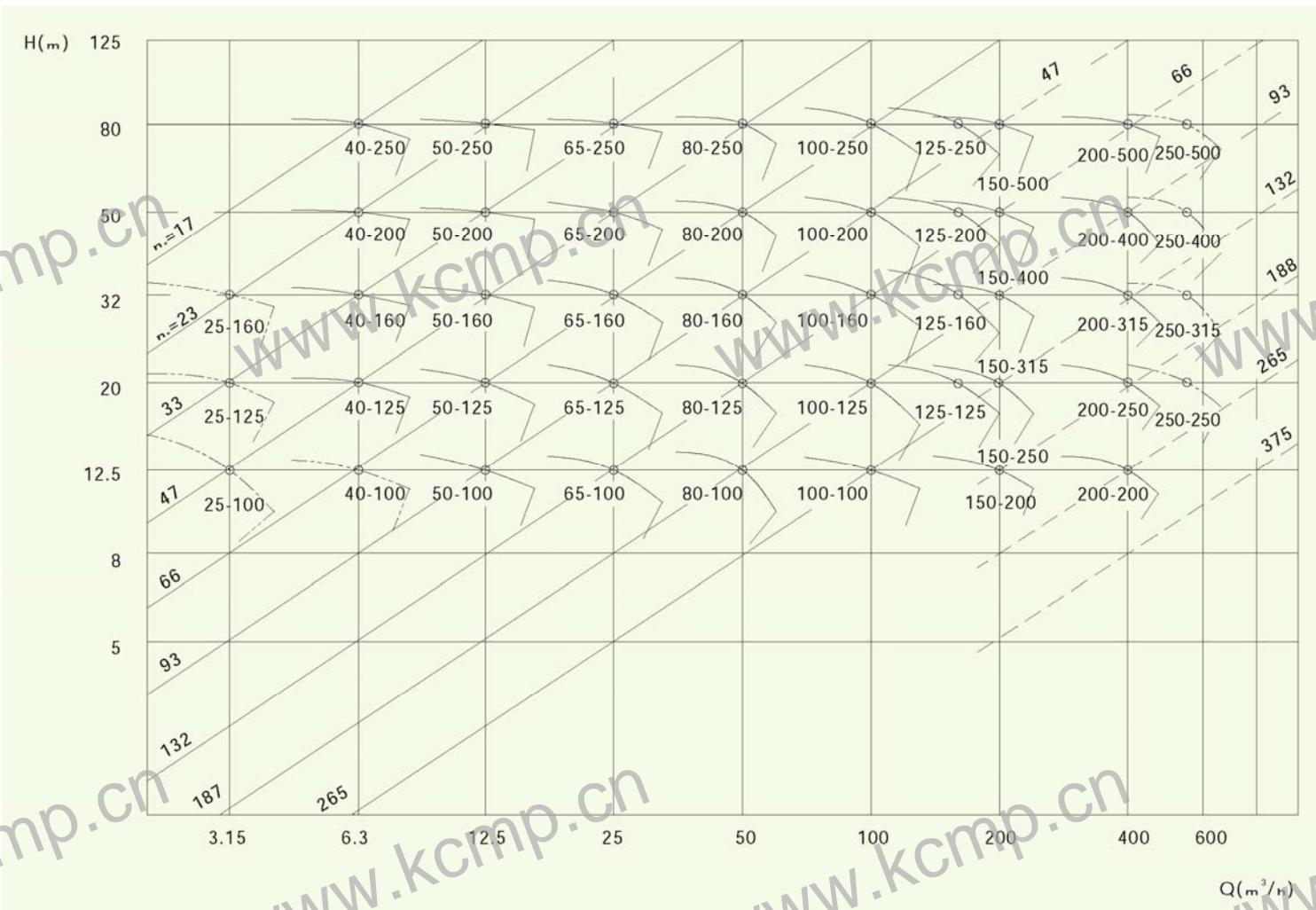


■ 应用 Usage:

- KLS 立式离心泵输送冷热水循环，高层建筑给水，消防管路增压，远距离输水，工业生产工艺循环增压，园林喷灌和农田灌溉；输送清水或物理化学性质类似于清水的其它液体之用。
- KLS vertical centrifugal pump is widely used in cycle of cold, high building water supply, fire line pressurization, long-distance water, industrial production process circulation pressurization, garden sprinkler irrigation and irrigation; Conveying water or other liquid which has the similar chemical and physical properties with water.

- KLH 立式化工泵输送化工、食品、酿造、炼油、制药、造纸、冶金、电力、水处理、环保、轻纺等工业输送有化学腐蚀的液体（不含固体颗粒或少量颗粒），粘度类似于水的介质
- KLH vertical chemical pump is used to convey chemical corrosion liquid (not containing solid particles, or with little small particles) in the fields of chemical industry, food, brewing, oil refining, pharmacy, paper making, metallurgy, electric power, water treatment and environmental protection, textile and others. The viscosity of these liquids is similar with water.
- KLY 立式油泵输送介质为油品液体。
- KLY vertical oil pumps is used to convey oil liquid.

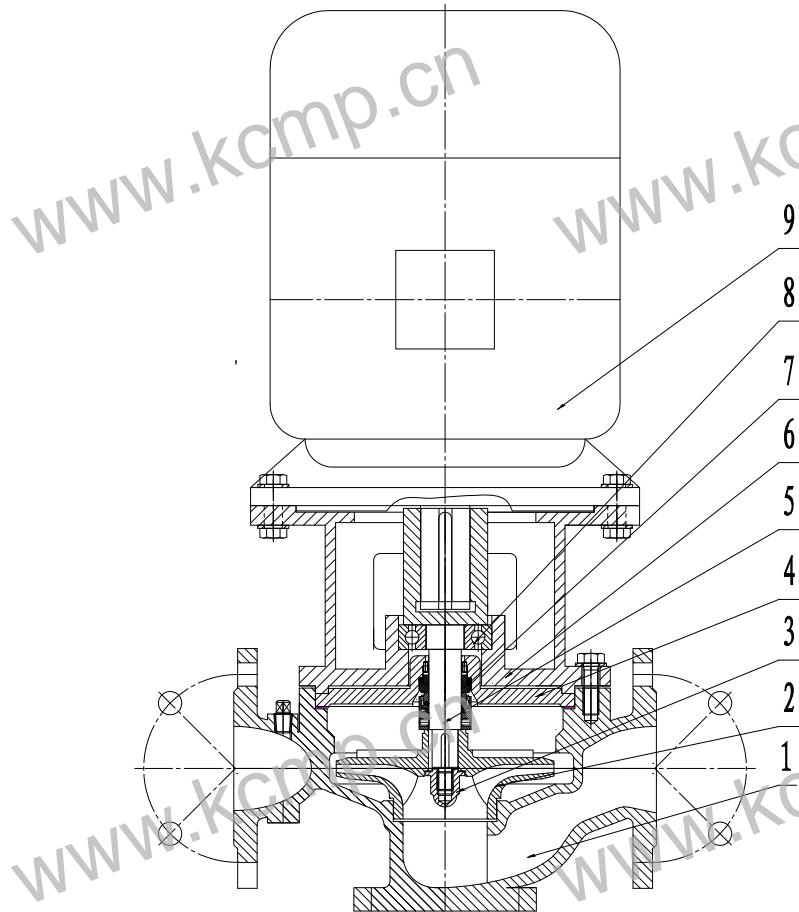
■ 型谱图 Performance Chart



KLS、KWS 型谱 125 口径以下为 2900r/min, 150 口径以上为 1450r/min.

Perfomance chart for KLS, KWS it is 2900r/min when caliber is lower than 125 and 1450r/min when caliber is higher than 150.

■ KLS 结构图 Sectional Drawing



● KLS 主要零件表 KLS main part list

序号 Number	1	2	3	4	5	6
零件名称 Parts name	泵盖 Pump cover	叶轮 Impeller	叶轮螺母 Impeller nut	泵盖 Pump cover	泵轴 Pump Shaft	电机法兰 Motor Flange
材料 Material	不锈钢 Stainless steel	不锈钢 Stainless steel	不锈钢 Stainless steel	不锈钢 Stainless steel	不锈钢 Stainless steel	HT200
序号 Number	7	8	9	10	11	12
零件名称 Parts name	机械密封 Mechanical seal	轴承 Bearing	电机 Motor			
材料 Material		不锈钢 Stainless steel	轴为不锈钢 Shaft is stainless steel			

■ KLS 性能参数表 KLS Performance data

泵规格 Pump specification	电机 功 率 KW Motor	转速 r/m Revolving speed	叶轮直径 mm Impeller diameter	流量 m ³ /h Flow capacity	扬程 m Head	效率% Efficienc y	轴功率 KW Shaft power	汽蚀余量 m NPSH
40-125	1.1	2900	126	4.4	20.5	38	0.65	2.4
				6.3	20	44	0.78	2.5
				8.3	18.5	43	0.97	2.8
				4	16.3	38	0.47	2.4
40-125A	0.75	2900	117	5.5	16	44	0.54	2.5
				7	15.5	42	0.70	2.8
				4.4	33.2	30	1.33	2.4
40-160	2.2	2900	158	6.3	32	36	1.52	2.5
				8.3	30.2	34	2.01	2.8
				4	28.5	30	1.03	2.4
40-160A	1.5	2900	150	5.5	28	36	1.16	2.5
				7	26.6	34	1.49	2.8
				3.5	26	30	0.83	2.4
40-160B	1.5	2900	130	5	24	36	0.91	2.5
				6.5	20.6	34	1.07	2.8
				4.4	50.5	24	2.52	2.4
40-200	4	2900	198	6.3	50	28	3.06	2.5
				8.3	48	30	3.62	2.8
				4	44.6	24	2.02	2.4
40-200A	3	2900	185	5.5	44	28	2.35	2.5
				7	42.7	29	2.81	2.8
				3.5	40	23	1.66	2.4
40-200B	2.2	2900	175	5	38	27	1.92	2.5
				6.5	34.5	28	2.18	2.8
				4.4	82	18	5.46	2.4
40-250	11	2900	245	6.3	80	20	6.86	2.5
				8.3	74	20	9.36	2.8
				4	72.5	18	4.39	2.4
40-250A	7.5	2900	230	5.5	70	20	5.24	2.5
				7	65	20	6.19	2.8
				3.5	66	17	3.70	2.4
40-250B	5.5	2900	213	5	60	19	4.30	2.5
				6.5	50	18	4.92	2.8

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泵规格 Pump specification	电机 功 率 KW Motor	转速 r/m Revolving speed	叶轮直径 mm Impeller diameter	流量 m ³ /h Flow capacity	扬程 m Head	效率% Efficienc y	轴功率 KW Shaft power	汽蚀余量 m NPSH
50-100	1.1	2900	106	8.8	13.2	50	0.63	2.4
				12.5	12.5	56	0.76	2.5
				16.3	11.3	54	0.93	2.8
				8	10.7	50	0.47	2.4
50-100A	0.75	2900	95	11	10	56	0.53	2.5
				14	9	54	0.64	2.8
				8.8	21.5	44	1.17	2.4
50-125	2.2	2900	130	12.5	20	53	1.28	2.5
				16.3	17.8	53	1.49	2.8
				8	17	43	0.86	2.4
50-125A	1.5	2900	120	11	16	52	0.92	2.5
				14	14.3	52	1.05	2.8
				8.8	33.3	41	1.95	2.4
50-160	3	2900	157	12.5	32	48	2.27	2.5
				16.3	29.8	49	2.70	2.8
				8	29	40	1.58	2.4
50-160A	3	2900	150	11	28	47	1.78	2.5
				14	26.2	48	2.08	2.8
				7.1	24	39	1.19	2.4
50-160B	2.2	2900	140	10	23	46	1.36	2.5
				13	20	47	1.51	2.8
				8.8	51	33	3.70	2.4
50-200	5.5	2900	198	12.5	50	41	4.15	2.5
				16.3	48.5	41	5.25	2.8
				8	44.7	32	3.04	2.4
50-200A	4	2900	187	11	44	40	3.29	2.5
				14	43	40	4.10	2.8
				7.1	39	31	2.43	2.4
50-200B	4	2900	175	10	38	39	2.65	2.5
				13	34.5	39	3.13	2.8
				8.8	81.4	25	7.80	2.4
50-250	11	2900	248	12.5	80	32	8.51	2.5
				16.3	77.5	36	9.55	2.8
				8	71.5	25	6.23	2.4
50-250A	11	2900	234	11	70	31	6.76	2.5
				14	68	35	7.40	2.8
				7.1	61.5	24	4.95	2.4
50-250B	7.5	2900	220	10	60	30	5.44	2.5
				13	56	34	5.83	2.8
				6.5	56	22	4.50	2.4
50-250C	5.5	2900		9	52	28	4.55	2.5
				11.8	48	32	4.82	2.8

■ KLS 性能参数表 KLS Performance data

泵规格 Pump specification	电机 功 率 KW Motor	转速 r/m Revolving speed	叶轮直径 mm Impeller diameter	流量 m ³ /h Flow capacity	扬程 m Head	效率% Efficienc y	轴功率 KW Shaft power	汽蚀余量 m NPSH
65-100	2.2	2900	106	17.5 25 32.5 16	13.7 12.5 10 10.8	62 64 65 60	1.05 1.33 1.36 0.78	3 3 3.1 3
65-100A	1.5	2900	96	22 28 17.5	10 8.7 22	63 60 56	0.95 1.11 1.87	3 3.1 3
65-125	3	2900	133	25 32.5 16	20 17 17.5	60 58 55	2.27 2.59 1.39	3 3.1 3
65-125A	2.2	2900	120	22 28 17.5	16 13.5 34.4	59 57 50	1.62 1.81 3.28	3 3.1 3
65-160	5.5	2900	162	25 32.5 16	32 27.5 30	57 57 49	3.82 4.27 2.67	3 3.1 3
65-160A	4	2900	155	22 28 14	28 23.5 26	55 55 48	3.05 3.26 2.06	3 3.1 3
65-160B	3	2900	145	20 26 17.5	24 20.6 52.7	54 54 44	2.42 2.70 5.71	3 3.1 3
65-200	11	2900	198	25 32.5 16	50 45.5 46.2	52 55 43	6.54 7.32 4.68	3 3.1 3
65-200A	7.5	2900	187	22 28 14	44.2 44 40	51 54 42	5.19 6.21 3.63	3 3.1 3
65-200B	5.5	2900	175	20 26 17.5	38 34.5 81.8	50 53 40	4.14 4.61 9.74	3 3.1 3
65-250	15	2900	254	25 32.5 16	80 76.5 71.4	45 50 37	12.10 13.54 8.41	3 3.1 3
65-250A	11	2900	240	22 28 14	70 68 61	43 48 35	9.75 10.80 6.64	3 3.1 3
65-250B	11	2900	220	20 26 12.6	60 55 55	41 45 34	7.97 8.65 5.55	3 3.1 3
65-250C	7.5	2900		18 23.4	52 47	40 44	6.37 6.80	3 3.1

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80-100	4	2900	110	35	13.5	62	2.07	3.4
				50	12.5	68	2.50	3.5
				65	10	65	2.72	3.7
				32	11	62	1.55	3.4
80-100A	3	2900	100	44	10	67	1.79	3.5
				56	8.5	64	2.02	3.7
				35	22	63	3.33	3.4
80-125	5.5	2900	138	50	20	68	4.00	3.5
				65	17	66	4.56	3.7
				32	18	62	2.53	3.4
80-125A	4	2900	130	44	16	67	2.86	3.5
				56	13.5	65	3.17	3.7
				35	35	56	5.95	3.4
80-160	11	2900	168	50	32	64	6.81	3.5
				65	27.5	63	7.72	3.7
				32	30	55	4.75	3.4
80-160A	7.5	2900	164	44	28	63	5.32	3.5
				56	25	62	6.15	3.7
				28	27	53	3.88	3.4
80-160B	5.5	2900	150	40	24	61	4.28	3.5
				52	19	60	4.48	3.7
				35	53	51	9.90	3.4
80-200	15	2900	208	50	50	61	11.16	3.5
				65	44	62	12.56	3.7
				32	47	50	8.19	3.4
80-200A	11	2900	190	44	44	59	8.93	3.5
				56	40	60	10.16	3.7
				28	40.5	48	6.43	3.4
80-200B	11	2900	175	40	38	57	7.26	3.5
				52	33	58	8.05	3.7
				35	83	48	16.48	3.4
80-250	22	2900	249	50	80	56	19.44	3.5
				65	72	58	21.97	3.7
				32	73	47	13.53	3.4
80-250A	18.5	2900	234	44	70	55	15.24	3.5
				56	64	57	17.12	3.7
				28	63	45	10.67	3.4
80-250B	15	2900	220	40	60	53	12.33	3.5
				52	53	55	13.64	3.7

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泵规格 Pump specification	电机 功 率 KW Motor	转速 r/m Revolving speed	叶轮直径 mm Impeller diameter	流量 m ³ /h Flow capacity	扬程 m Head	效率% Efficienc y	轴功率 KW Shaft power	汽蚀余量 m NPSH
100-100	7.5	2900	132/124	70 100 130 64	13.6 12.5 11 11	60 70 69 60	4.32 4.86 5.64 3.19	4.4 4.5 4.7 4.4
100-100A	5.5	2900	127/119	88 112 70	10 8.5 23.5	68 67 66	3.52 3.87 6.78	4.5 4.7 4.4
100-125	11	2900	143/136	100 130 64	20 14 19	72 71 63	7.56 6.98 5.25	4.5 4.7 4.4
100-125A	7.5	2900	130/126	88 112 70	16 13 36.5	71 70 65	5.40 5.66 10.70	4.5 4.7 4.4
100-160	15	2900	174	100 130 64	32 26 31	71 70 65	12.27 13.14 8.31	4.5 4.7 4.4
100-160A	11	2900	165	88 112 56	28 24 27	71 70 64	9.45 10.45 6.45	4.5 4.7 4.4
100-160B	11	2900	150	80 104 70	24 19 54	70 69 59	7.47 7.80 17.44	4.5 4.7 4.4
100-200	22	2900	220	100 130 64	50 42 47	68 67 58	20.02 22.18 14.12	4.5 4.7 4.4
100-200A	18.5	2900	205	88 112 56	44 39 41	67 65 57	15.73 18.29 10.97	4.5 4.7 4.4
100-200B	15	2900	190	80 104 70	38 34 87	65 63 58	12.73 15.28 28.58	4.5 4.7 4.4
100-250	37	2900	255	100 130 64	80 68 76	65 64 57	33.50 37.60 23.23	4.5 4.7 4.4
100-250A	30	2900	240	88 112 56	70 59 66	64 63 56	26.20 28.55 17.97	4.5 4.7 4.4
100-250B	30	2900	220	80 104	60 50	62 61	21.08 23.21	4.5 4.7

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125-125	15	2900	160	110 160	22 20	67 73	9.83 11.93	4 4
				200	17	75	12.34	4.5
				105	18	66	7.80	4
125-125A	11	2900	140	150 187 110	16 13 36.5	72 72 70	9.07 9.19 15.61	4 4.5 4
125-160	22	2900	178	160 200 105	32 26 31	75 74 67	18.58 19.13 13.23	4 4.5 4
125-160A	18.5	2900	170	150 187 97	28 24 27	73 72 64	15.66 16.97 11.14	4 4.5 4
125-160B	15	2900	150	140 176 110	24 19 54	71 70 69	12.88 13.00 23.43	4 4.5 4
125-200	37	2900	214	160 200 105	50 44 47	74 75 68	29.43 31.94 19.76	4 4.5 4
125-200A	30	2900	205	150 187 97	44 39 41	73 74 66	24.61 26.83 16.40	4 4.5 4
125-200B	30	2900	190	140 176 110	38 33 87	71 72 65	20.40 21.96 40.08	4 4.5 4
125-250	55	2900	255	160 200 105	80 68 76	70 72 63	49.78 51.42 34.48	4 4.5 4
125-250A	45	2900	240	150 187 97	70 59 66	68 70 62	42.03 42.91 28.11	4 4.5 4
125-250B	37	2900	230	140 176	60 50	67 68	34.13 35.23	4 4.5

■ KLS 性能参数表 KLS Performance data

泵规格 Pump specification	电机 功 率 KW Motor	转速 r/m Revolving speed	叶轮直径 mm Impeller diameter	流量 m ³ /h Flow capacity	扬程 m Head	效率% Efficienc y	轴功率 KW Shaft power	汽蚀余量 m NPSH
150-200	11	1450	219	140	13.8	72	7.30	4.4
				200	12.5	75	9.07	4.5
				260	10.6	74	10.14	4.7
				128	10.9	71	5.35	4.4
150-200A	7.5	1450	204	176	10	74	6.47	4.5
				224	8.7	73	7.27	4.7
				140	22	58	14.46	4.4
				260	20	67	16.25	4.5
150-250	22	1450	265	176	15.5	65	16.88	4.7
				224	17.5	56	10.89	4.4
				140	33.8	67	19.23	4.4
				200	32	72	24.20	4.5
150-250A	15	1450	245	176	16	65	11.79	4.5
				224	13.5	63	13.07	4.7
				140	26	71	25.92	4.7
				260	30	65	16.08	4.4
150-315	30	1450	334	176	28	70	19.16	4.5
				224	24	69	21.21	4.7
				128	26	63	12.58	4.4
				112	44	68	15.37	4.5
150-315B	18.5	1450	295	160	20	67	16.90	4.7
				208	52.5	62	32.27	4.4
				140	36	63	34.84	4.7
				260	46.5	62	26.13	4.4
150-400	45	1450	390	176	44	68	31.00	4.5
				224	36	63	20.58	4.4
				112	40.5	60	25.46	4.5
				128	38	65	27.85	4.7
150-400A	37	1450	375	160	36	61	20.53	4.5
				208	58	60	25.46	4.5
				100	33	63	34.84	4.7
				112	44	68	31.00	4.5
150-400B	30	1450	345	144	27	59	23.54	4.7
				189	87	60	55.26	4.4
				140	68	62	77.63	4.7
				208	76	58	45.66	4.4
150-400C	30	1450	325	144	36	60	59.96	4.7
				189	59	60	45.66	4.4
				140	60	62	77.63	4.7
				208	64	66	48.81	4.7
150-500	90	1450	500	200	80	64	68.06	4.5
				260	68	62	77.63	4.7
				128	76	58	45.66	4.4
				176	70	62	54.09	4.5
150-500A	75	1450	460	224	59	60	59.96	4.7
				112	66	56	35.93	4.4
				160	60	60	43.56	4.5
				208	50	58	48.81	4.7
150-500B	55	1450	435	176	70	62	54.09	4.5
				224	59	60	59.96	4.7

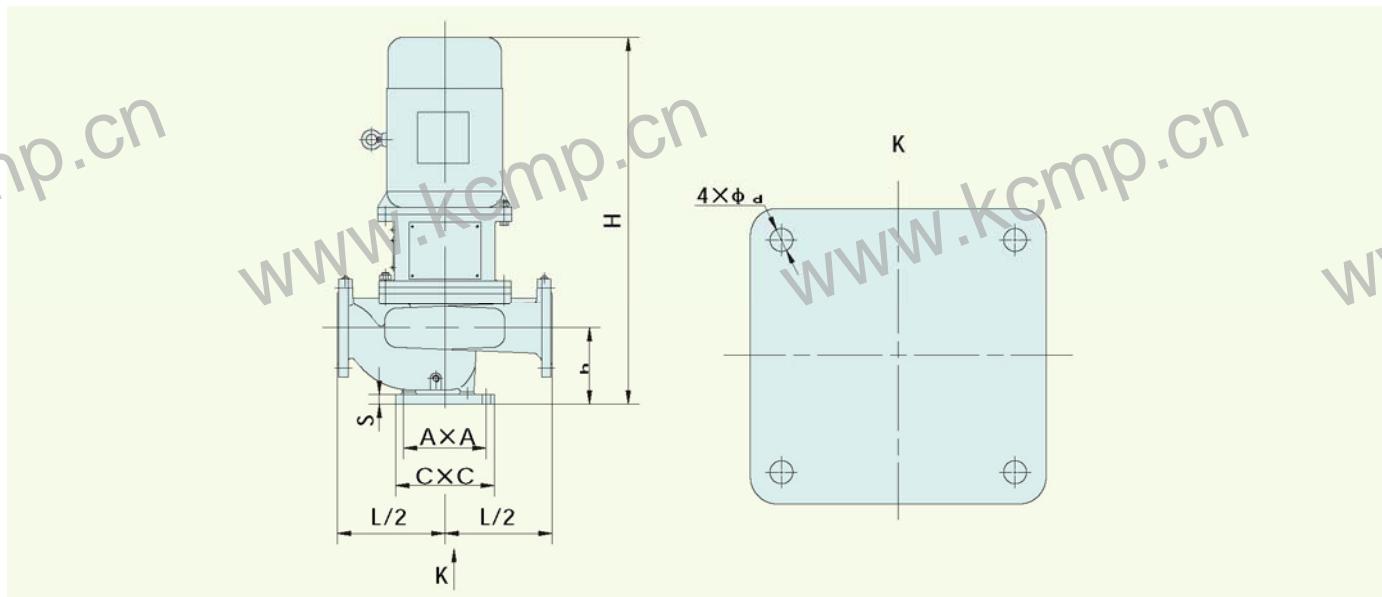
■ KLS 性能参数表 KLS Performance data

泵规格 Pump specification	电机 功 率 KW Motor	转速 r/m Revolving speed	叶轮直径 mm Impeller diameter	流量 m ³ /h Flow capacity	扬程 m Head	效率% Efficiency	轴功率 KW Shaft power	汽蚀余量 m NPSH
200-200	22	1450	248/232	280	13.4	67	15.24	4.4
				400	12.5	77	17.68	4.5
				520	10.5	76	19.56	4.7
				256	10.8	65	11.58	4.4
200-200A	18.5	1450	238/222	352	10	75	12.78	4.5
				448	8.5	74	14.01	4.7
				280	22.2	75	22.56	4.4
				400	20	79	27.57	4.5
200-250	30	1450	275	520	16	81	27.96	4.7
				256	19	74	17.89	4.4
				352	17	78	20.88	4.5
				448	14	80	21.34	4.7
200-250A	30	1450	265	280	36	68	40.35	4.4
				400	32	71	49.08	4.5
				520	26	72	51.12	4.7
				256	31.5	66	33.26	4.4
200-315	55	1450	350	352	28	69	38.88	4.5
				448	23	70	40.07	4.7
				225	27.5	64	26.32	4.4
				400	24	67	31.40	4.5
200-315B	37	1450	310	418	18.5	68	30.96	4.7
				280	54.4	70	59.24	4.4
				520	40	77	73.54	4.7
				256	47	68	48.17	4.4
200-400	75	1450	395	352	44	75	56.22	4.5
				448	36	75	58.54	4.7
				225	40.5	66	37.59	4.4
				400	38	73	45.63	4.5
200-400A	75	1450	385	418	30	73	46.76	4.7
				203	36	64	31.08	4.4
				352	33	72	36.18	4.5
				377	28	72	39.91	4.7
200-400B	55	1450	360	280	87	68	97.52	4.4
				418	30	73	46.76	4.7
				203	36	64	31.08	4.4
				290	33	72	36.18	4.5
200-400C	45	1450	340	377	28	72	39.91	4.7
				280	87	68	97.52	4.4
				400	80	73	119.33	4.5
				520	60	71	119.62	4.7
200-500	160	1450	492	256	76	67	79.05	4.4
				352	70	72	93.16	4.5
				448	59	71	101.34	4.7
				225	66	65	62.19	4.4
200-500A	132	1450	480	322	60	70	75.13	4.5
				418	50	69	82.46	4.7
200-500B	110	1450	460					

■ KLS 性能参数表 KLS Performance data

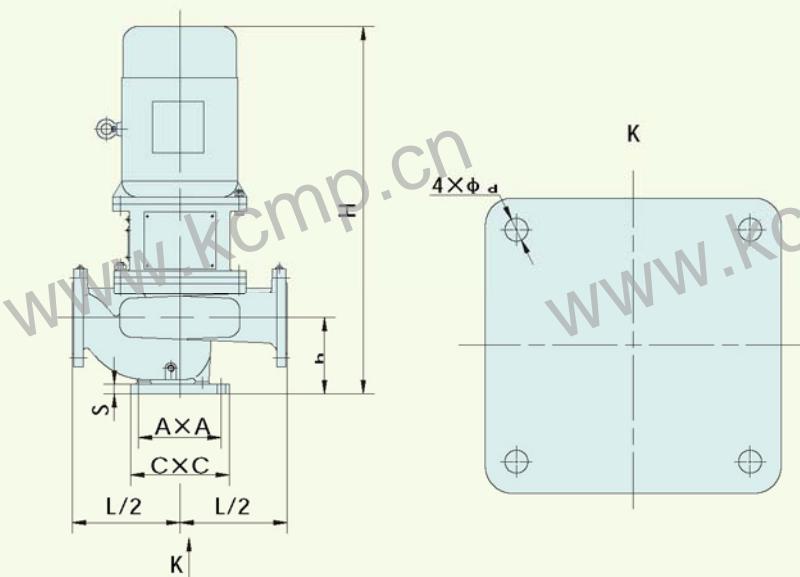
泵规格 Pump specification	电机 功 率 KW Motor	转速 r/m Revolving speed	叶轮直径 mm Impeller diameter	流量 m ³ /h Flow capacity	扬程 m Head	效率% Efficienc y	轴功率 KW Shaft power	汽蚀余量 m NPSH
250-250	45	1450	304	400 550 670 365	22.2 20 17 19	76 81 82 75	31.81 36.97 37.81 25.17	5.4 5.5 5.6 5.4
250-250A	37	1450	285	500 610 400	17 14 36	80 81 77	28.92 28.70 50.91	5.5 5.6 5.4
250-315	75	1450	343	550 670 365	32 26.5 31.5	81 79 75	59.15 61.18 41.73	5.5 5.6 5.4
250-315A	55	1450	328	500 610 330	28 23 27.5	79 78 74	48.24 48.97 33.38	5.5 5.6 5.4
250-315B	45	1450	300	450 560 400	24 19.5 54.5	78 77 74	37.69 38.61 80.20	5.5 5.6 5.4
250-400	110	1450	420	550 670 365	50 41 47	78 78 72	95.98 95.87 64.86	5.5 5.6 5.4
250-400A	90	1450	400	500 610 330	44 36 40.5	76 76 70	78.80 78.66 51.98	5.5 5.6 5.4
250-400B	75	1450	380	450 560 283	38 31 36	74 74 68	62.91 63.86 40.79	5.5 5.6 5.4
250-400C	55	1450	345	405 526 400	33 28 87	72 71 72	50.53 56.47 131.57	5.5 5.6 5.4
250-500	200	1450	490	550 670 365	80 60 76	76 76 71	157.60 143.99 106.36	5.5 5.6 5.4
250-500A	160	1450	480	500 610 330	70 59 66	75 75 68	127.04 130.63 87.19	5.5 5.6 5.4
250-500B	132	1450	450	450 560	60 50	83 82	88.55 92.95	5.5 5.6

■KLS 安装尺寸图 Installation dimension drawing of KLS pump

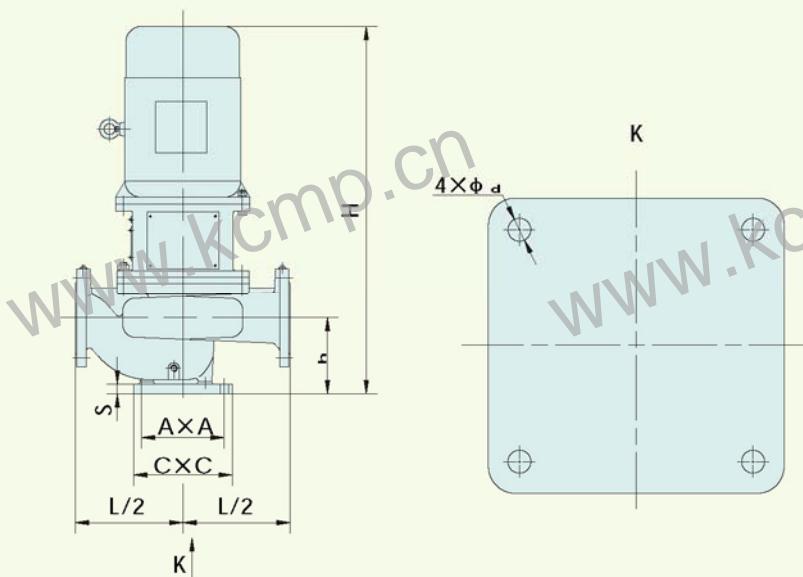


泵规格 Pump specification	机座号 Unit seat NO.	A	C	ϕd	h	H	L	S	地脚螺栓 Anchor bolt
40-125	80	115	150	$\phi 12$	495	100	300	20	4XM10X220
40-125A	80	115	150	$\phi 12$	495	100	300	20	4XM10X220
40-160	90L	115	150	$\phi 12$	532	100	340	20	4XM10X220
40-160A	90S	115	150	$\phi 12$	507	100	340	20	4XM10X220
40-160B	90S	115	150	$\phi 12$	507	100	340	20	4XM10X220
40-200	112M	115	150	$\phi 12$	609	100	360	20	4XM10X220
40-200A	100L	115	150	$\phi 12$	594	100	360	20	4XM10X220
40-200B	90L	115	150	$\phi 12$	532	100	360	20	4XM10X220
40-250	160M	115	150	$\phi 12$	780	100	440	20	4XM10X220
40-250A	132S	115	150	$\phi 12$	639	100	440	20	4XM10X220
40-250B	132S	115	150	$\phi 12$	639	100	440	20	4XM10X220
50-100	80	130	165	$\phi 14$	505	110	320	20	4XM12X300
50-100A	80	130	165	$\phi 14$	505	110	320	20	4XM12X300
50-125	90L	130	165	$\phi 14$	542	110	300	20	4XM12X300
50-125A	90S	130	165	$\phi 14$	517	110	300	20	4XM12X300
50-160	100L	130	165	$\phi 14$	614	120	320	20	4XM12X300
50-160A	100L	130	165	$\phi 14$	614	120	320	20	4XM12X300
50-160B	90L	130	165	$\phi 14$	552	120	320	20	4XM12X300
50-200	132S	150	185	$\phi 14$	669	130	380	22	4XM12X300
50-200A	112M	150	185	$\phi 14$	639	130	380	22	4XM12X300
50-200B	112M	150	185	$\phi 14$	639	130	380	22	4XM12X300
50-250	160M	150	185	$\phi 14$	810	130	450	22	4XM12X300
50-250A	160M	150	185	$\phi 14$	810	130	450	22	4XM12X300
50-250B	132S	150	185	$\phi 14$	669	130	450	22	4XM12X300
50-250C	132S	150	185	$\phi 14$	669	130	450	22	4XM12X300

■ 安装尺寸表 Installation Dimension Data

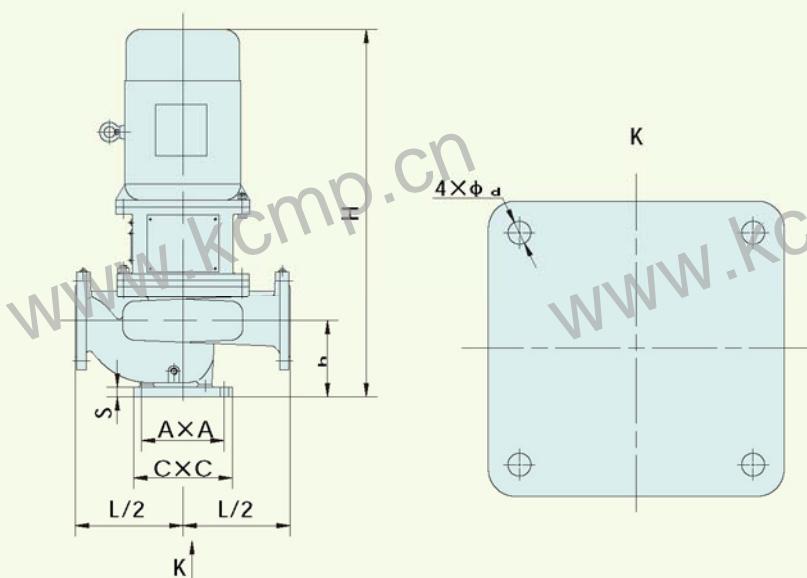


泵规格 Pump specification	机座号 Unit seat NO.	A	C	Φ d	h	H	L	S	地脚螺栓 Anchor bolt
65-100	90L	150	185	Φ14	552	120	320	22	4XM12X300
65-100A	90S	150	185	Φ14	527	120	320	22	4XM12X300
65-125	100L	150	185	Φ14	624	130	340	22	4XM12X300
65-125A	90L	150	185	Φ14	562	130	340	22	4XM12X300
65-160	132S	150	185	Φ14	659	120	380	22	4XM12X300
65-160A	112M	150	185	Φ14	629	120	380	22	4XM12X300
65-160B	100L	150	185	Φ14	614	120	380	22	4XM12X300
65-200	160M	150	185	Φ14	810	130	400	22	4XM12X300
65-200A	132S	150	185	Φ14	669	130	400	22	4XM12X300
65-200B	132S	150	185	Φ14	669	130	400	22	4XM12X300
65-250	160M	165	200	Φ17.5	810	130	460	22	4XM16X400
65-250A	160M	165	200	Φ17.5	810	130	460	22	4XM16X400
65-250B	160M	165	200	Φ17.5	810	130	460	22	4XM16X400
65-250C	132S	165	200	Φ17.5	669	130	460	22	4XM16X400
80-100	112M	165	200	Φ17.5	649	140	400	22	4XM16X400
80-100A	100L	165	200	Φ17.5	634	140	400	22	4XM16X400
80-125	132S	165	200	Φ17.5	679	140	400	22	4XM16X400
80-125A	112M	165	200	Φ17.5	649	140	400	22	4XM16X400
80-160	160M	165	200	Φ17.5	830	150	400	22	4XM16X400
80-160A	132S	165	200	Φ17.5	689	150	400	22	4XM16X400
80-160B	132S	165	200	Φ17.5	689	150	400	22	4XM16X400
80-200	160M	165	200	Φ17.5	820	150	450	22	4XM16X400
80-200A	160M	165	200	Φ17.5	830	150	450	22	4XM16X400
80-200B	160M	165	200	Φ17.5	830	150	450	22	4XM16X400
80-250	180M	185	220	Φ18	975	150	500	22	4XM16X400
80-250A	160L	185	220	Φ18	885	150	500	22	4XM16X400
80-250B	160M	185	220	Φ18	830	150	500	22	4XM16X400

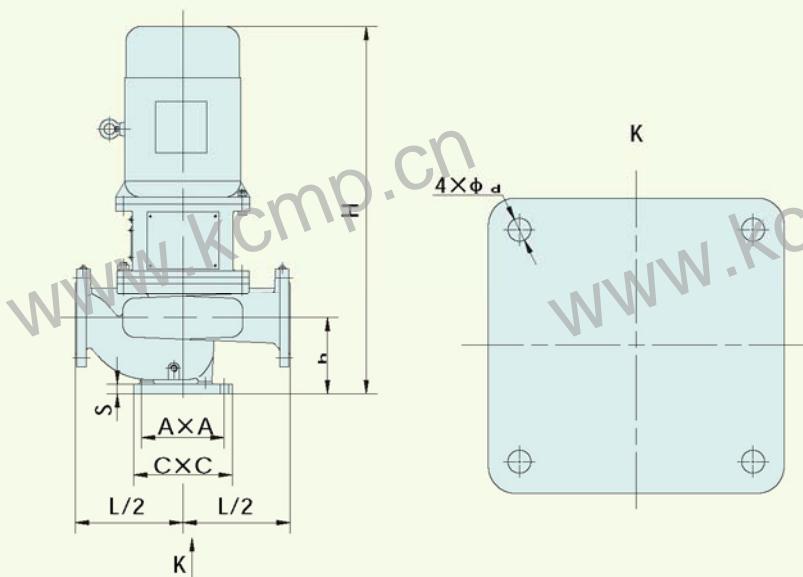
■ 安装尺寸表 Installation Dimension Data


泵规格 Pump specification	机座号 Unit seat NO.	A	C	Φ d	h	H	L	S	地脚螺栓 Anchor bolt
100-100	132S	185	220	Φ18	689	150	460	22	4XM16X400
100-100A	132S	185	220	Φ18	689	150	460	22	4XM16X400
100-125	160M	185	220	Φ18	830	150	440	22	4XM16X400
100-125A	132S	185	220	Φ18	689	150	440	22	4XM16X400
100-160	160M	185	220	Φ18	860	180	500	22	4XM16X400
100-160A	160M	185	220	Φ18	860	180	500	22	4XM16X400
100-160B	160M	185	220	Φ18	860	180	500	22	4XM16X400
100-200	180M	185	220	Φ18	985	160	500	22	4XM16X400
100-200A	160L	185	220	Φ18	895	160	500	22	4XM16X400
100-200B	160M	185	220	Φ18	840	160	500	22	4XM16X400
100-250	200L	220	260	Φ20	1089	180	550	25	4XM16X400
100-250A	200L	220	260	Φ20	1089	180	550	25	4XM16X400
100-250B	200L	220	260	Φ20	1089	180	550	25	4XM16X400
125-125	160M	220	260	Φ20	860	180	600	25	4XM16X400
125-125A	160M	220	260	Φ20	860	180	600	25	4XM16X400
125-160	180M	220	260	Φ20	1005	180	600	25	4XM16X400
125-160A	160L	220	260	Φ20	915	180	600	25	4XM16X400
125-160B	160M	220	260	Φ20	860	180	600	25	4XM16X400
125-200	200L	220	260	Φ20	1089	180	620	25	4XM16X400
125-200A	200L	220	260	Φ20	1089	180	620	25	4XM16X400
125-200B	200L	220	260	Φ20	1089	180	620	25	4XM16X400
125-250	250M	220	260	Φ20	1265	180	660	25	4XM16X400
125-250A	225M	220	260	Φ20	1189	180	660	25	4XM16X400
125-250B	200L	220	260	Φ20	1089	180	660	25	4XM16X400

■ 安装尺寸表 Installation Dimension Data



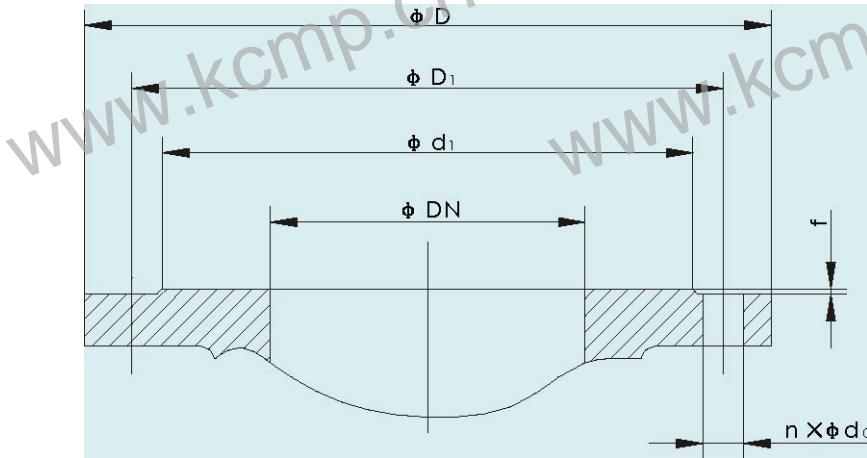
泵规格 Pump specification	机座号 Unit seat NO.	A	C	ϕd	h	H	L	S	地脚螺栓 Anchor bolt
150-200	160M	220	260	$\phi 20$	905	225	700	25	4XM16X400
150-200A	132M	220	260	$\phi 20$	844	225	700	25	4XM16X400
150-250	180L	220	260	$\phi 20$	1095	225	720	25	4XM16X400
150-250A	160L	220	260	$\phi 20$	960	225	720	25	4XM16X400
150-315	200L	220	260	$\phi 20$	1145	225	800	25	4XM16X400
150-315A	180L	220	260	$\phi 20$	1095	225	800	25	4XM16X400
150-315B	180M	220	260	$\phi 20$	1055	225	800	25	4XM16X400
150-400	225M	240	280	$\phi 20$	1249	245	840	25	4XM16X400
150-400A	225S	240	280	$\phi 20$	1219	245	840	25	4XM16X400
150-400B	200L	240	280	$\phi 20$	1165	245	840	25	4XM16X400
150-400C	200L	240	280	$\phi 20$	1165	245	840	25	4XM16X400
150-500	280M	240	280	$\phi 20$	1472	245	900	25	4XM16X400
150-500A	280S	240	280	$\phi 20$	1432	245	900	25	4XM16X400
150-500B	280S	240	280	$\phi 20$	1432	245	900	25	4XM16X400
200-200	180L	275	320	$\phi 24$	1150	280	840	30	4XM20X400
200-200A	180M	275	320	$\phi 24$	1110	280	840	30	4XM20X400
200-250	200L	275	320	$\phi 24$	1200	280	900	30	4XM20X400
200-250A	200L	275	320	$\phi 24$	1200	280	900	30	4XM20X400
200-315	250M	275	320	$\phi 24$	1365	280	890	30	4XM20X400
200-315A	225M	275	320	$\phi 24$	1284	280	890	30	4XM20X400
200-315B	225S	275	320	$\phi 24$	1254	280	890	30	4XM20X400

■ 安装尺寸表 Installation Dimension Data


泵规格 Pump specification	机座号 Unit seat NO.	A	C	Φ d	h	H	L	S	地脚螺栓 Anchor bolt
200-400	280S	275	320	Φ24	1467	280	900	30	4XM20X400
200-400A	280S	275	320	Φ24	1467	280	900	30	4XM20X400
200-400B	250M	275	320	Φ24	1365	280	900	30	4XM20X400
200-400C	225M	275	320	Φ24	1284	280	900	30	4XM20X400
200-500	315L	350	400	Φ24	1822	280	950	30	4XM20X400
200-500A	315M	350	400	Φ24	1822	280	950	30	4XM20X400
200-500B	315S	350	400	Φ24	1902	280	950	30	4XM20X400
250-250	225M	350	400	Φ24	1284	280	980	30	4XM20X400
250-250A	225S	350	400	Φ24	1254	280	980	30	4XM20X400
250-315	280S	350	400	Φ24	1487	300	980	30	4XM20X400
250-315A	250M	350	400	Φ24	1385	300	980	30	4XM20X400
250-315B	225M	350	400	Φ24	1304	300	980	30	4XM20X400
250-400	315S	350	400	Φ24	1922	300	980	30	4XM20X400
150-400A	280M	350	400	Φ24	1527	300	980	30	4XM20X400
250-400B	280S	350	400	Φ24	1487	300	980	30	4XM20X400
250-400C	250M	350	400	Φ24	1385	300	980	30	4XM20X400
250-500	315L	350	400	Φ24	1847	300	1160	30	4XM20X400
250-500A	315L	350	400	Φ24	1842	300	1160	30	4XM20X400
250-500B	315M	350	400	Φ24	1842	300	1160	30	4XM20X400

■ 法兰尺寸 Flange dimension

法兰连接尺寸符合 GB/T9113.1-2000 PN1.6MPa The connecting dimension of flange is according to



ϕDN	ϕd_1	ϕD_1	ϕD	f	$n \times \phi d_0$
$\phi 25$	$\phi 65$	$\phi 85$	$\phi 115$	2	$4 \times \phi 14$
$\phi 40$	$\phi 84$	$\phi 110$	$\phi 150$	2	$4 \times \phi 18$
$\phi 50$	$\phi 99$	$\phi 125$	$\phi 165$	2	$4 \times \phi 18$
$\phi 65$	$\phi 118$	$\phi 145$	$\phi 185$	2	$4 \times \phi 18$
$\phi 80$	$\phi 132$	$\phi 160$	$\phi 200$	2	$8 \times \phi 18$
$\phi 100$	$\phi 156$	$\phi 180$	$\phi 220$	2	$8 \times \phi 18$



上海凯程制泵有限公司

SHANGHAI KAICHENG PUMP CO.,LTD

地址：上海市陕西北路1438号

邮编：200060

电话：021-62989587 62989687
021-56701122 52527372
0086-21-62989871

传真：021-62989790

国内贸易邮箱：kcmp@kcmp.cn

国际贸易邮箱：Sell@kcmp.cn

公司邮箱：kaicheng@sh163.net

公司网址：<http://www.kcmp.cn>

免费咨询电话：8008207382

Add: No.1438 Shanxi North Road.Shanghai.

Zip: 200060

Tel: 021-62989587 62989687
021-56701122 52527372
0086-21-62989871

Fax: 021-62989790

Domestic Trade: kcmp@kcmp.cn

International Trade: Sell@kcmp.cn

E-mail: kaicheng@sh163.net

Web: www.kcmp.cn