

DJ-KLX 系列离心泵

DJ-KLX series centrifugal pump



高效率、低噪音、
维护简单经济、高洁净的解决方案
Solution for high efficiency, low noise, simple and
economical maintenance, high purity



随着市场需求的变化和技术的发展，我们希望在高洁净泵领域中树立新的技术标准，为此我们借助了流体力学软件分析和我们20多年的制造及工程应用的经验，进行一系列的技术升级和优化。

DONJOY DJ-KLX 系列离心泵是基于KS离心泵基础上进行升级，它继承了KS离心泵技术优点，同时优化了内部结构、叶轮设计、死角处理、机封压力平衡设计且机封完全被处在冲洗区域。我们还对泵外部卫生也进行了优化，使其内部更加卫生、外部减少死角，由于没有死角区域，它非常容易被CIP清洗、SIP杀菌等。另外我们对DJ-KLX 系列泵保持了最大的灵活性组合应用，如，泵出口角度可以从0° -135° 之间任意调整，泵盖采用手轮螺母，这样对泵维护和保养及机封的更换，保持了高效，降低了人员高度专业性的要求，而这些无需特殊的工具。因而达到了、高效、卫生、高可靠性及低成本的目的，使DJ-KLX 系列离心泵成为一款高性能的泵。

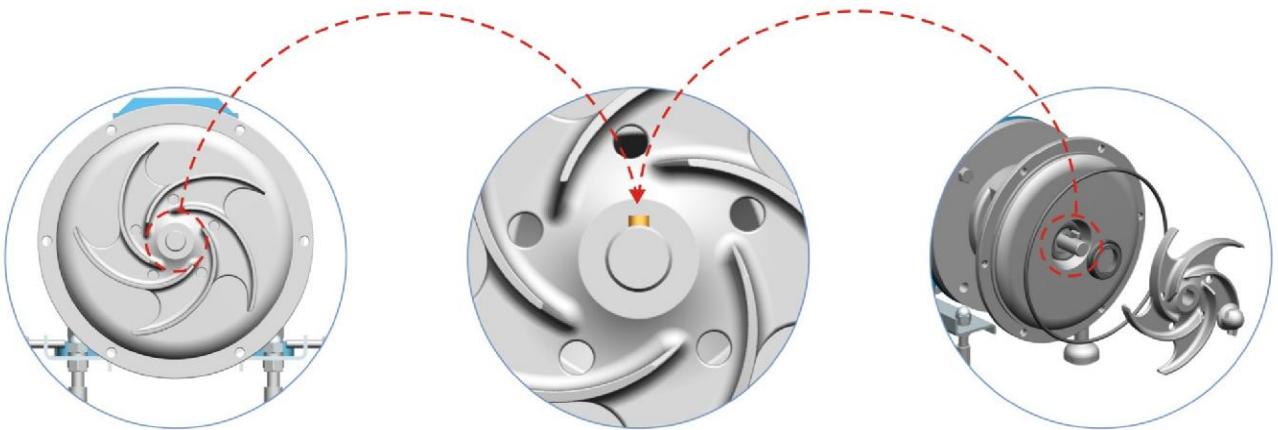
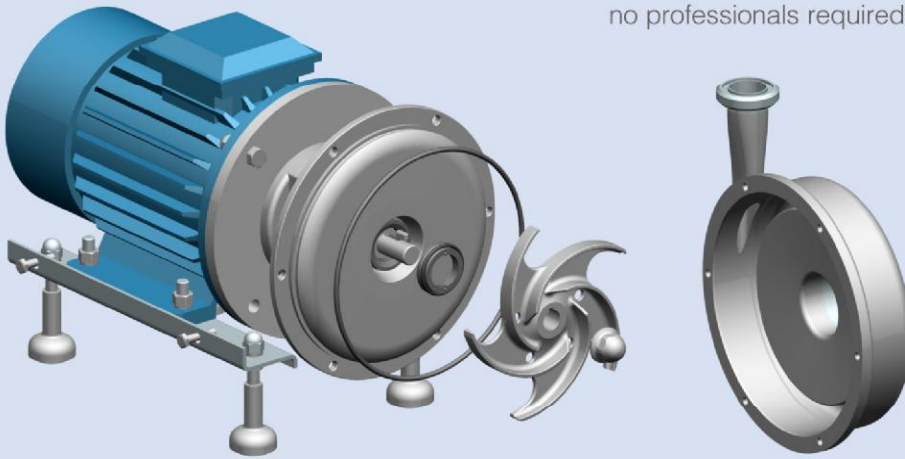
With the change of market demand and the development of technology, we hope to set up new technical standards in the field of high clean pump, for this reason, we have made a series of technology upgrades and optimization with the help of the Fluid science software analysis and our more than 20 years experience in manufacturing and engineering application.

Donjoy DJ-KLX series Centrifugal pump is upgraded from KS centrifugal pump, not only optimize the internal structure, such as impeller design, dead angle treatment, machine seal pressure balance design and the machine seal is completely in the flushing area, but also optimize external sanitation of the pump, which makes its internal absolute sanitation and external reduction of dead Angle. Since there is no dead Angle area, it is easy to be cleaned by CIP and sterilized by SIP. In addition, DJ - KLX series pump, has kept the maximum flexibility of combined applications, for example, the pump outlet angle can be arbitrarily adjusted from 0° to 135°, the pump cover adopts hand wheel nut, which keeps high efficiency in the maintenance of the pump and replacement of machine seal, and reduces the highly professional requirements to maintenance personnel without special tools. Therefore, the DJ-KLX series centrifugal pump has achieved the goal of high efficiency, health, high reliability and low cost, making it a high performance pump.

技术参数 Technical Specifications

流量 Flow rate	1m ³ /h-140m ³ /h
扬程 Head	70M
温度 Temperature	-20℃到140℃
功率 Power	0.37KW-30KW
材质 Material	304 /316L, 1.431/1.4404, ASME BPE 316L, 1.4435 NB2 Fe≤0.5%
表面处理 Surface treatment	≤ Ra0.8 μm, ≤ Ra0.6 μm, ≤ Ra0.4 μm
机封 Machine seal	单机封、双机封 Single seal, double seal, 详见配置单 See Configuration Table
进/出口连接 Inlet/Outlet connection	螺纹、卡箍、法兰、无菌法兰 Thread, clamp, flange, Aseptic flange
认证 Certification	3-A-02-10(N.O.1579); MD/06/42-EC (N.O.70521616101-00); FDA 177.2600; USP CLASS-II; EG/VO1935/2004

非常简单的维护、无需专用工具、专业人员
Very simple maintenance, no special tools required,
no professionals required



技术优势

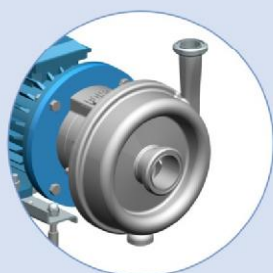
- 维护拆卸和安装时，无需专业人员和专用工具，即可完成。
- 初始使用安装调试时，即使出现短暂反向旋转也不会损坏。
- 叶轮和轴之间是通过键槽连接固定，叶轮和机封动环之间是通过销钉固定，机封静环和泵体之间是通过异形法兰固定。
- 兼容单机封和双机封，只需要更换机封即可实现。

Technical Advantages

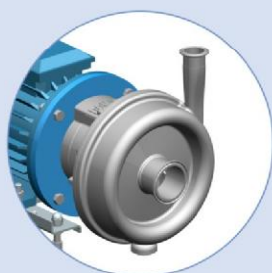
- Maintenance disassembly and installation can be completed without professional staff and special tools.
- Initial use of installation debugging, even if a short reverse rotation will not be damaged.
- Impeller and shaft are connected by keyway; impeller and mechanical seal rotating ring are connected by pin; mechanical seal static ring and pump body are connected by special-shaped flange.
- Compatible with single and double machine seal, only need to change machine seal.

DJ-KLX 系列离心泵各种配置

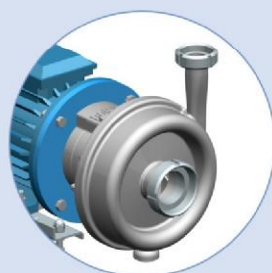
DJ-KLX series centrifugal pump various configurations



螺纹接口
Thread connection



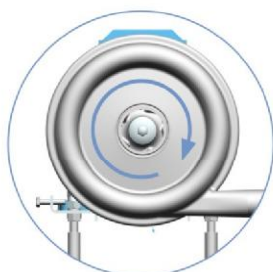
卡箍连接
Clamp connection



由任螺母
Union nut



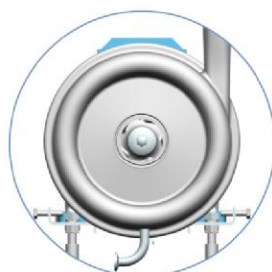
法兰连接进/出口
Flange connection inlet / outlet



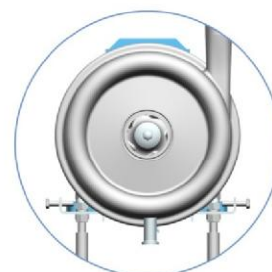
90°0° 倾斜出口
90°0° inclined outlet



90°135° 倾斜出口
90°135° inclined outlet



最低弯头排放接口
Elbow bottom discharge outlet



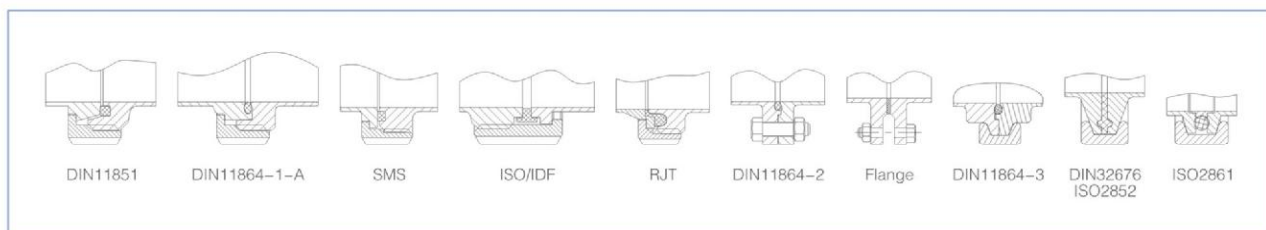
最低排放接口
Bottom discharge outlet

泵进口/出口连接标准

连接方式：螺纹、卡箍、法兰、无菌法兰、KF、等。
标准：DIN SMS ISO IDF RJT ASME BPE 3A I-line

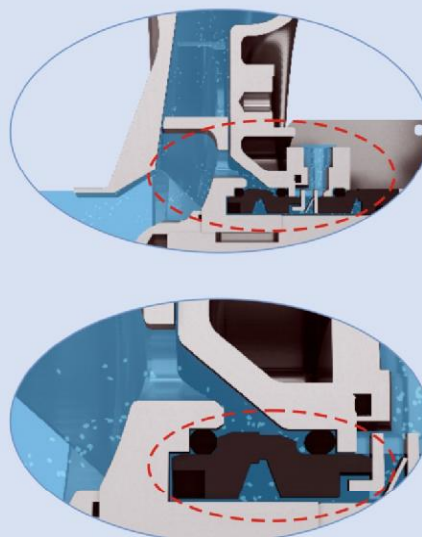
Pump Inlet/outlet Connection Standard

Connection: Thread, Clamp, Flange, Aseptic flange, KF etc.
Standard: DIN SMS ISO IDF RJT ASME BPE 3A I-line



DJ-KLX 系列离心泵机封设计

DJ-KLX series centrifugal pump mechanical seal design



机封系统

DONJOY DJ-KLX 系列离心泵机封，联合欧洲瑞典著名公司合作研发，机封设计具有压力平衡设计、超长使用寿命、极易拆装维护、无需特殊专用工具，卫生洁净符合和认证：欧盟 EHEDG，美国 3-A-02-11，FDA1772600 等高洁净要求。并有丰富的机封配置方案。

Mechanical Seal Features

Donjoy DJ-KLX series centrifugal pump mechanical seal is researched and developed together with European Swedish famous company. The mechanical seal is designed with pressure balance and super long working life, can be disassembled and maintained easily without special tools. The sanitary purity is according to EU EHEDG, USA 3-A-02-11, FDA1772600 and so on, and has lots of configuration.

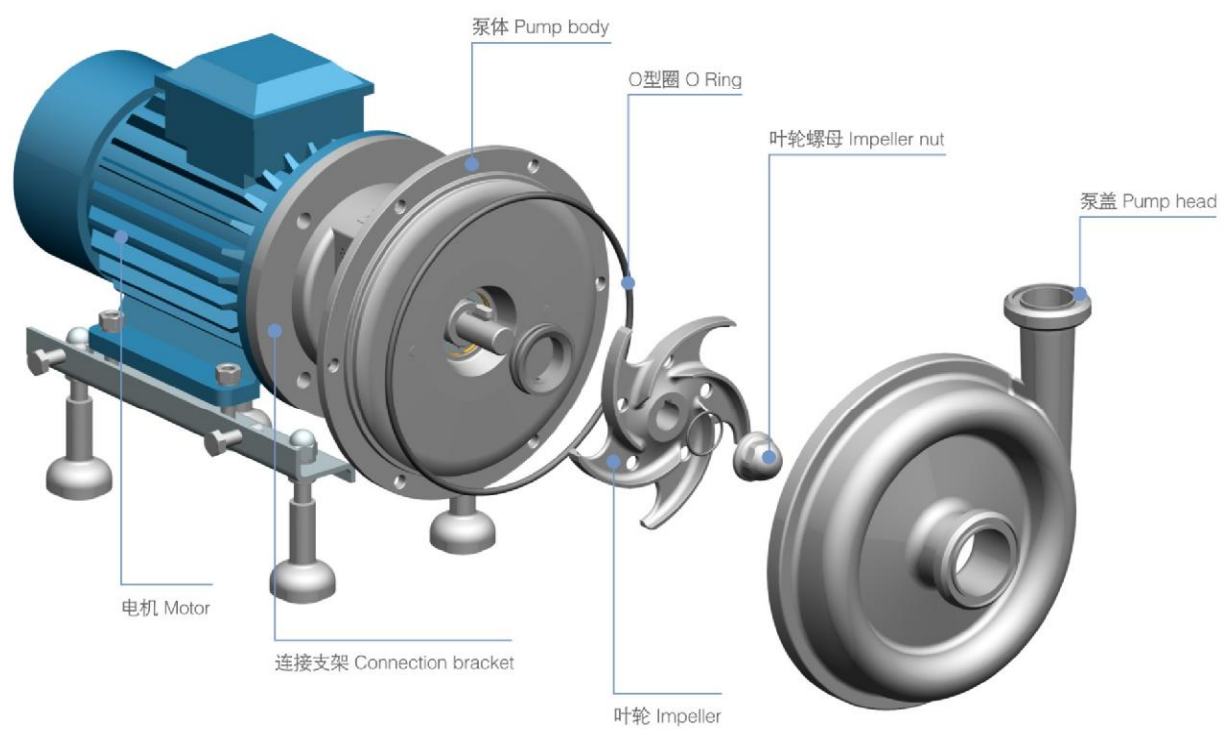
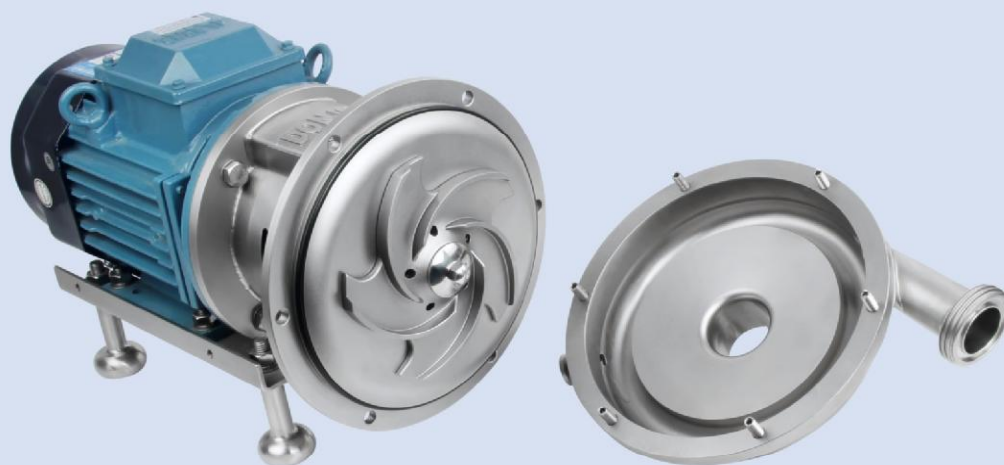
机封配置 Mechanical Seal Configuration

1)SIC/C/EPDM	标准配置Standard
2)SIC/C/FKM	选型配置Optional
3)SIC/C/HNBR	
4)SIC/SIC/EPDM	
5)SIC/SIC/FKM	
6)SIC/SIC/HNBR	
7)TC/TC/EPDM	
8)TC/TC/FKM	
9)TC/TC/HNBR	

注意：以上配置适用于单机封和双机封。
Note: Above configurations is suitable for single and double mechanical seal

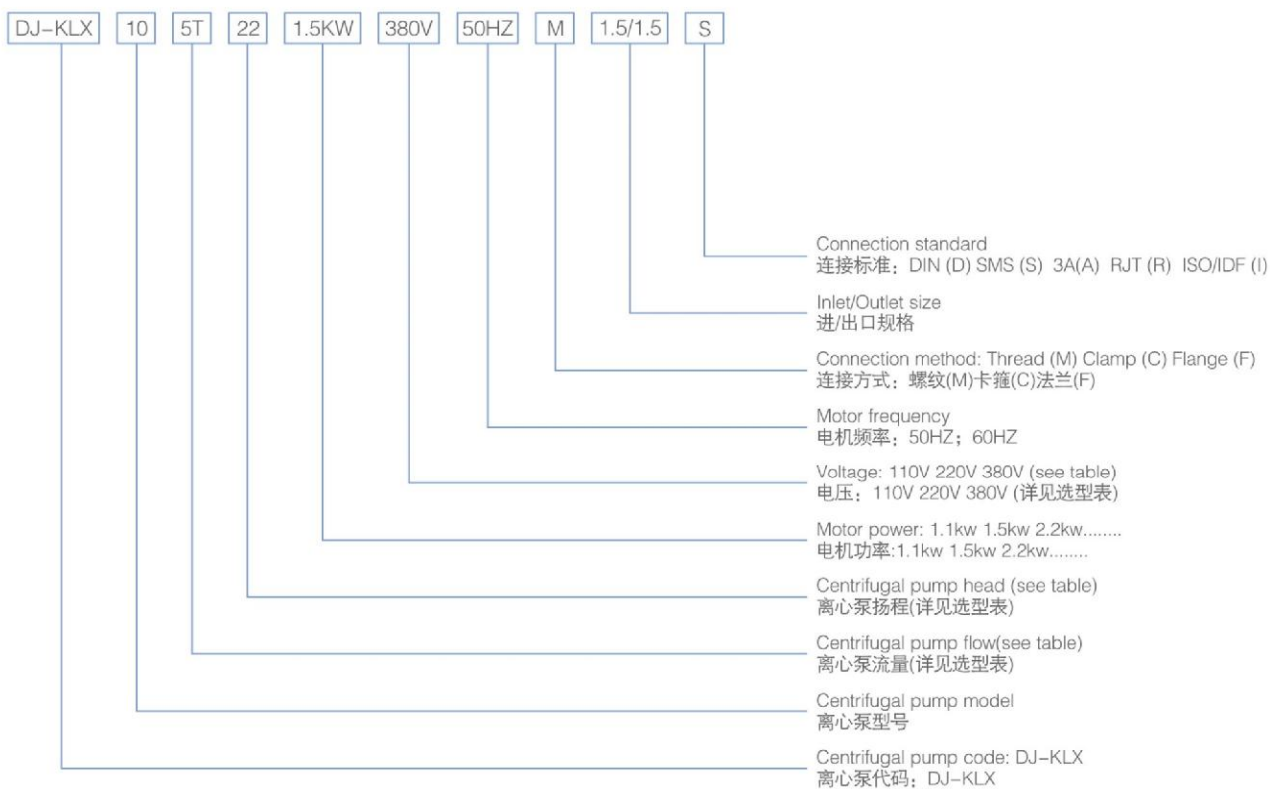
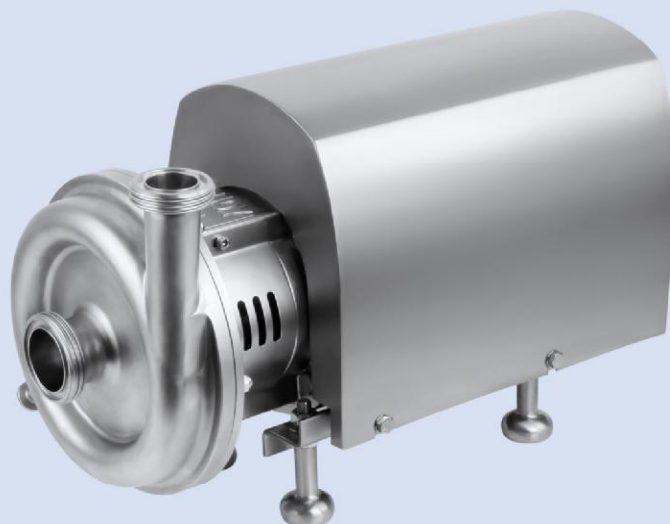
DJ-KLX 系列离心泵

DJ-KLX series centrifugal pump



DJ-KLX 离心泵型号说明

DJ-KLX centrifugal pump model instruction



举例 For example:
 DJ-KLX-10-5T-22-1.5KW-380V-50HZ-M-1.5/1.5-S

DJ-KLX 离心泵选型表

DJ-KLX centrifugal pump selection table



型号 Model	功率 Power	流量 Flow rate (m ³)	扬程 Head (M)	进口/出口 Inlet&outlet	理论重量 (KG)
DJ-KLX-10	1.1KW	3	22	1.5"/1.5"	30
	1.1KW	5	22		30
	1.5KW	3	22		36
	1.5KW	5	22		36
	1.5KW	8	22		36
	1.5KW	9	22		36
	1.5KW	12	20		36
	1.5KW	15	18		36
	2.2KW	18	16		40
	2.2KW	18	16		40
DJ-KLX-15	1.5KW	3	28	2"/1.5"	39
	1.5KW	5	28		39
	1.5KW	8	26		39
	2.2KW	10	25		42
	2.2KW	15	22		42
	2.2KW	18	18		42
	3.0KW	20	16		54
	2.2KW	20	16		42
	3.0KW	20	16		54
	3.0KW	20	16		54

型号 Model	功率 Power	流量 Flow rate (m ³)	扬程 Head (M)	进口/出口 Inlet&outlet	理论重量 (KG)
DJ-KLX-20-1	2.2KW	5	36	2"/2"	47
	3.0kw				56
	3.0kw	10	36		56
	4.0KW				61
	4.0KW	15	35		61
	4.0KW	20	33		61
	4.0KW	25	30		61
	5.5KW	30	30		83
	5.5KW	30	30		83
	5.5KW	38	22		83
DJ-KLX20-2	5.5KW	20	40	2"/2"	82
	5.5KW	25	37	2"/2"	82
	5.5KW	30	36	2.5"/2"	82
	5.5KW	36	32		82
	7.5KW	40	30		86
	7.5KW	45	28		86
DJ-KLX-25	4.0KW	5	50	2.5"/1.5"	61
	5.5KW	10	50		82
	5.5KW	15	48		82
DJ-KLX-30	5.5KW	20	45	2.5"/1.5"	82
	5.5KW	10	60		83
	5.5KW	15	55		83
	5.5KW	20	50		83
	7.5KW	25	45		87
	7.5KW	30	40		87

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型号 Model	功率 Power	流量 Flow rate (m ³)	扬程 Head (M)	进口/出口 Inlet&outlet	理论重量 (KG)
DJ-KLX-35-1	11KW	10	70	3"/1.5" 3"-2"	152
	11KW	15	65		152
	11KW	20	65		152
	11KW	25	60		152
	11KW	30	60		152
	11KW	35	55		152
	15KW	40	50		165
	15KW	45	50		165
	15KW	50	45		165
DJ-KLX-35-2	15KW	20	70	3"-2" DN80-2"	165
	15KW	25	70		165
	15KW	30	70		165
	15KW	35	65		165
	15KW	40	65		165
	18.5KW	45	60		174
	18.5KW	50	55		174

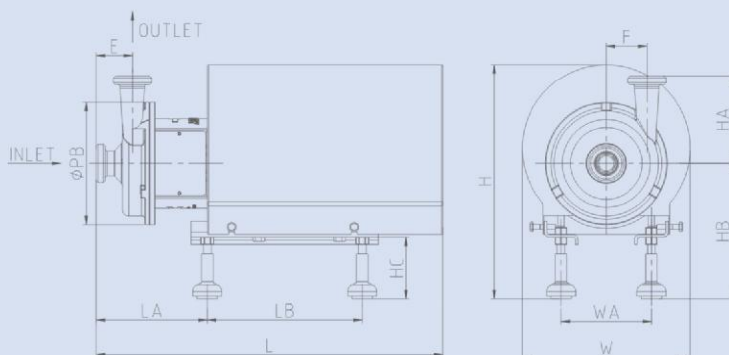
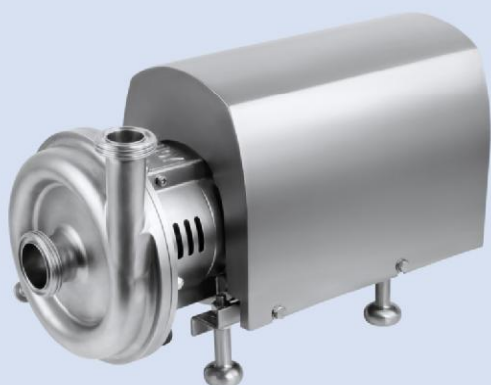
型号 Model	功率 Power	流量 Flow rate (m ³)	扬程 Head (M)	进口/出口 Inlet&outlet	理论重量 (KG)
DJ-KLX-40-1	11KW	45	42	3"/2.5" 4"-3"	148
	11KW	50	42		148
	15KW	60	40		162
	15KW	65	40		162
	15KW	70	38		162
	15KW	80	35		162
	15KW	90	33		162
	18.5KW	100	30		171
	18.5KW	110	28		171
DJ-KLX-40-2	15KW	50	50	3"/2.5" 4"-3"	162
	15KW	60	48		162
	18.5KW	70	47		171
	18.5KW	80	46		171
	22KW	85	45		205
	22KW	90	44		205
	22KW	100	43		205
	22KW	110	40		205
	22KW	120	35		205
	30KW	130	30		263
	30KW	140	20		263

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DJ-KLX 系列离心泵数据图

DJ-KLX series centrifugal pump data chart

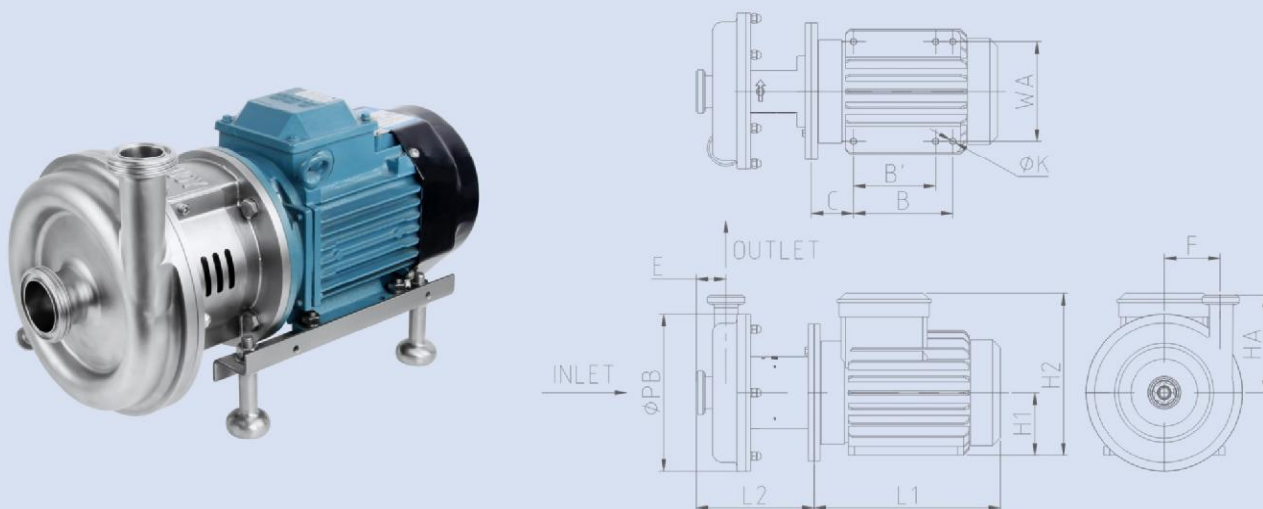


KLX 系列 Series	泵头规格 Pump head dimension				外形安装尺寸 Assembly Dimension								进/出口连接方式 Inlet / outlet connection											
	功率 Power (KW)	进口 Inlet d"/DN	出口 Outlet d"/DN	ΦPB	F	LB	H	HB	HC	W	WA	SMS螺纹连接 Thread connection				INCH卡箍连接 Clamp connection				DIN螺纹连接 Thread connection				
												E	LA	HA	L	E	LA	HA	L	E	LA	HA	L	
KLX10	1.1KW	1.5"	1.5"	189	63	240	337	199		250	125	56	171	136	512	49	163.7	129	504.7	56	171	136	517	
	1.5-2.2KW	1.5"	1.5"	189	63	240	359	189		260	140	56	171	136	534	49	163.7	129	526.7	56	171	136	539	
KLX15	1.5-2.2KW	2"	1.5"	250	95	240	359	189		260	140	48	171	155	534	41	163.7	148	526.7	49	172	155	535	
	3KW	2"	1.5"	250	95	300	413	219		320	160	48	151	155	576	41	143.7	148	568.7	49	152	155	577	
KLX20- I KLX20- II	2.2KW	2"	2"	250	92	240	362	189		320	140	45	165.5	170	584	38	158.2	163	576.7	46	166.5	171	585	
	3KW	2"	2"	250	92	300	416	219		340	160	45	172.5	170	591	38	165	163	574	46	176	171	592	
	4KW	2"	2"	250	92	300	421.5	211		380	190	45	175	170	594	38	168	163	587	46	176	171	595	
KLX25 KLX30	5.5-7.5KW	2"/2.5"	2"	250	92	330	466	231		340	216	45	172	170	591	38	160	163	580	46	170.5	171	590	
	4KW	3"	1.5"	328	127.5	300	421.5	211	94.8	380	190	60	200.5	194	680	49	189.2	183	668.7	59	199.5	193	679	
	5.5-7.5KW	3"	1.5"	328	127.5	330	466	231		380	216	60	200.5	194	680	49	189.2	183	668.7	59	199.5	193	679	
KLX35- I KLX35- II	11-15KW	3"	1.5"	363	131	450	551	260		470	254	76	239.5	229	815	65	228.2	222	803.2	75	238.5	229	814	
	15KW	3"	2"	363	131	450	551	260		470	254	76	239.5	229	815	65	228.2	222	803.2	75	238.5	230	814	
KLX40- I KLX40- II	18.5KW	3"	2"	363	131	450	551	260		470	254	76	239.5	229	815	65	228.2	222	803.2	75	238.5	230	814	
	11-15KW	3"	2.5"	315	105	450	551	260		470	254	73.5	248.5	213.5	823	61.5	237.2	202.5	811.7	73.5	247.5	212.5	822	
	18.5KW	3"	2.5"	315	105	450	551	260		470	254	73.5	248.5	213.5	823	61.5	237.2	202.5	812	73.5	247.5	212.5	823	
KLX40- I KLX40- II	22KW	3"	2.5"	315	105	515	583	281		510	279	73.5	243.5	213.5	919	61.5	232.2	202.5	907.2	73.5	242.5	212.5	918	
	30KW	3"	2.5"	315	105	580	655	301		580	318	73.5	254.5	213.5	965	61.5	243.2	202.5	953.2	73.5	253.5	212.5	964	

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DJ-KLX 系列离心泵数据图(不带外罩)

DJ-KLX series centrifugal pump data chart (without cover)



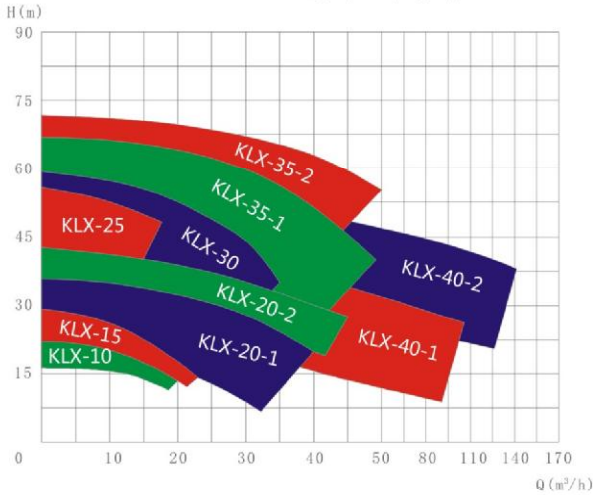
KLX 系列 Series	外形安装尺寸 Assembly Dimension													进/出口连接方式 Inlet / outlet connection								
	功率 Power (KW)	进口 Inlet d"/DN	出口 Outlet d"/DN	ΦPB	F	L1	A	B	B'	C	K	H1	H2	SMS螺纹连接 Thread connection			INCH卡箍连接 Clamp connection			DIN螺纹连接 Thread connection		
														E	L2	HA	E	L2	HA	E	L2	HA
KLX10	1.1KW	1.5"	1.5"	189	63	269	125	100	/	50	10	80	192	56	196	136	49	188.7	129	56	196	136
	1.5KW	1.5"	1.5"	189	63	285	140	100	/	56	10	90	217	56	196	136	49	188.7	129	56	196	136
	2.2KW	1.5"	1.5"	189	63	301	140	125	/	56	10	90	217	56	196	136	49	188.7	129	56	196	136
KLX15	1.5KW	2"	1.5"	250	90.5	285	140	100	/	56	10	90	217	48	193	155	41	185.7	148	49	193	155
	2.2KW	2"	1.5"	250	90.5	301	140	125	/	56	10	90	217	48	193	155	41	185.7	148	49	193	155
	3KW	2"	1.5"	250	90.5	316	160	140	/	63	12	100	240	48	193	155	41	185.7	148	49	193	155
KLX20- I KLX20- II	2.2KW	2"	2"	250	85	301	140	125	/	56	10	90	217	45	207	170	38	200	163	46	208	171
	3KW	2"	2"	250	85	316	160	140	/	63	12	100	240	45	207	170	38	200	163	46	208	171
	4KW	2"	2"	250	85	351	190	140	/	70	12	112	252	45	207	170	38	200	163	46	208	171
KLX25 KLX30	5.5-7.5KW	2"/2.5"	2"	250	85	399	216	140	/	89	12	132	301	45	207	170	38	200	163	46	208	171
	4KW	3"	1.5"	328	127.5	351	190	140	/	70	12	112	252	60	201.5	194	49	190.2	183	59	201	193
KLX35- I KLX35- II	5.5-7.5KW	3"	1.5"	328	127.5	399	216	140	/	89	12	132	301	60	201.5	194	49	190.2	183	59	201	193
	11-15KW	3"	1.5"	363	131	477	254	254	210	108	14.5	160	413	76	282	194	65	270.7	222	75	281	229
	15KW	3"	2"	363	131	477	254	254	210	108	14.5	160	413	76	282	229	65	270.7	222	75	281	66
KLX40- I KLX40- II	18.5KW	3"	2"	363	131	477	254	254	210	108	14.5	160	413	76	282	229	65	270.7	222	75	281	66
	11-15KW	3"	2.5"	315	105	477	254	254	210	108	14.5	160	413	73.5	292	213.5	61.2	280.7	202	73.5	291	213
	18.5KW	3"	2.5"	315	105	477	254	254	210	108	14.5	160	413	73.5	292	213.5	61.2	280.7	202	73.5	291	213
KLX40- I KLX40- II	22KW	3"	2.5"	315	105	573	279	279	241	121	14.5	180	434	73.5	292	213.5	61.2	280.7	202	73.5	291	213
	30KW	3"	2.5"	315	105	618	318	305	267	133	18.5	200	473	73.5	292	213.5	61.2	280.7	202	73.5	291	213

注意：以上数据图相关尺寸不作为实物最终依据，东正保留对于数据更新权限不再另行通知。
 Note: The relevant dimensions of the above data diagrams are not regarded as the final basis of the actual object. DONJOY reserves the right to update the data without further notice.

DJ-KLX 系列离心泵曲线图

DJ-KLX series centrifugal pump graph

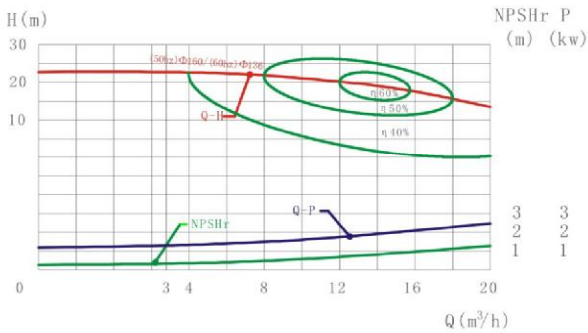
KLX系列-离心泵-综合曲线图
KLX series-centrifugal pump-graph



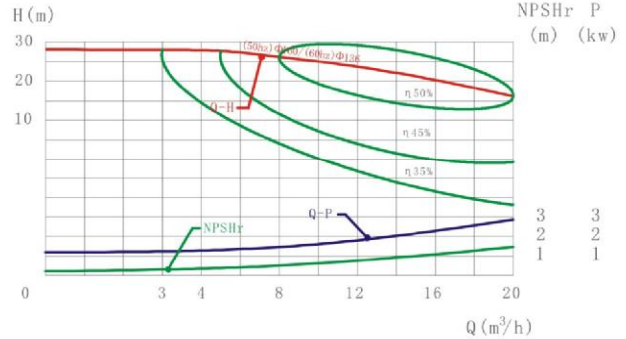
测试条件: 介质清水, 温度20°C, 叶轮转速2900 R.P.M
(此曲线图亦适用电机60Hz, 叶轮转速3600R.P.M) Q-流量(m³/h),
H-扬程(M), P-功率(KW), η%-泵效率。

Testing condition: medium water, temperature 20°C, impeller speed 2900 RPM (This graph also applies to motor 60HZ, impeller speed 3600RPM)
Q-Flow rate (m³/h), H-head (meter), P-power(KW), η % pump efficiency

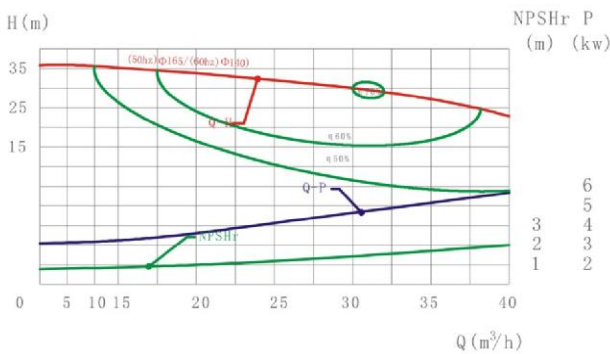
KLX-10(Q-H曲线图/Graph)



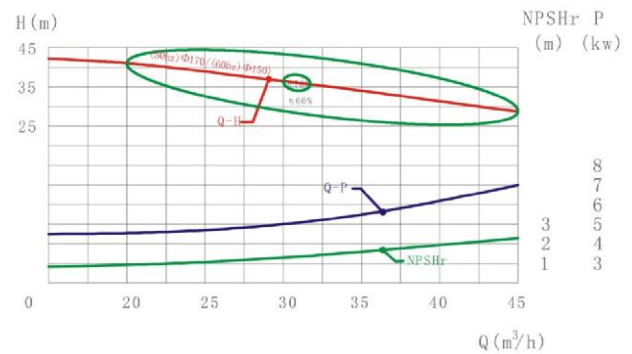
KLX-15(Q-H曲线图/Graph)



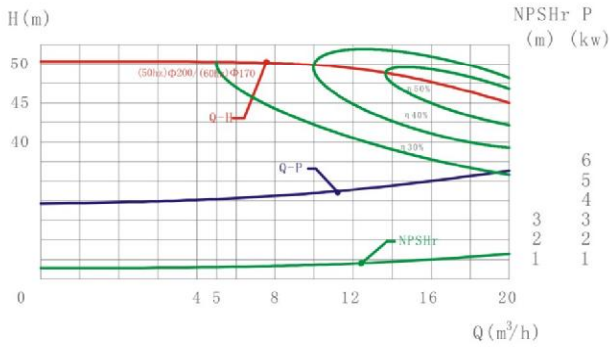
KLX-20-1(Q-H曲线图/Graph)



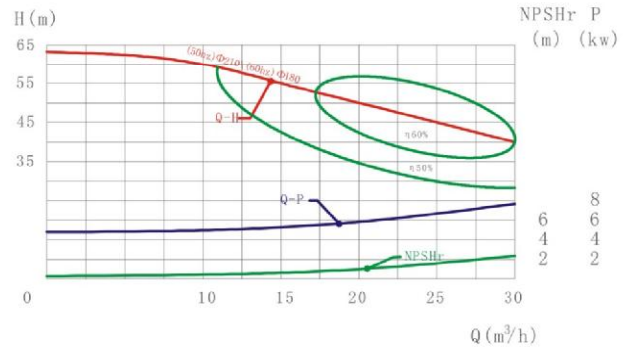
KLX-20-2(Q-H曲线图/Graph)



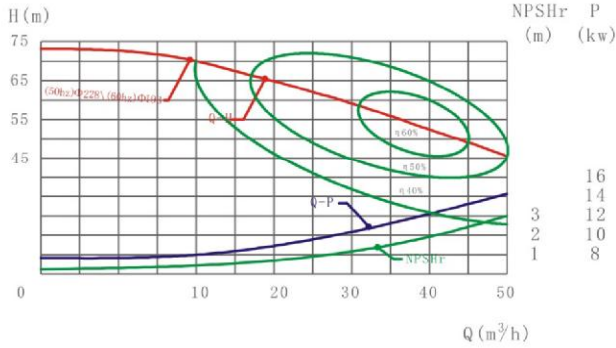
KLX-25(Q-H曲线图/Graph)



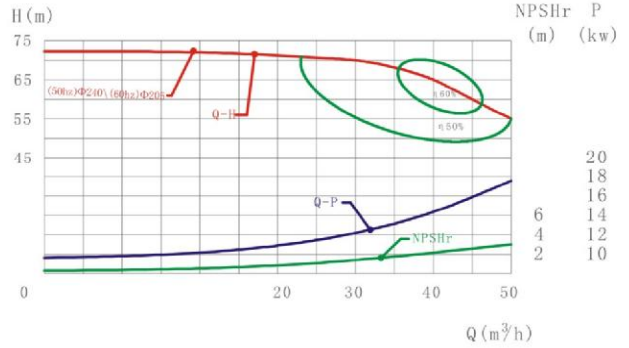
KLX-30(Q-H曲线图/Graph)



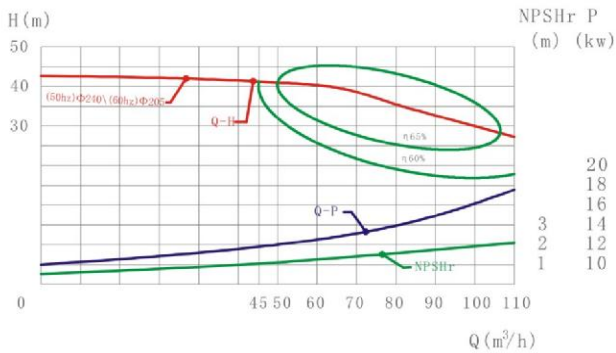
KLX-35-1(Q-H曲线图/Graph)



KLX-35-2(Q-H曲线图/Graph)



KLX-40-1(Q-H曲线图/Graph)



KLX-40-2(Q-H曲线图/Graph)

