

应用

SFB系列卫生型离心泵广泛适用于各类液体物料的输送，如乳品、啤酒、饮料、医药化工等领域。

性能和优越性

SFB系列卫生型离心泵为单级、单吸、开式叶轮。泵壳、叶轮、叶轮座经精心设计，减小了阻力，消除了卫生死角，加快了泵内液体的流速，从而提高了泵的整体性能。叶轮的开式设计保证了最佳的可清洗性(CIP)，具有卓越的卫生性能。在产品处理过程中具有满足卫生要求、平稳性、高效率 and 易于维护等优点。泵由四只可调支撑，出口可回转任意角度，从而大大提高了安装和使用范围。

轴封

SFB卫生型离心泵的轴封采用机械密封。其密封性能好，自润滑性能高，耐磨、耐高温、耐腐蚀、无泄漏、装拆方便。有带水冲洗的单端面机械密封和带水冲洗的双面机械密封两种。所有机械密封零件更换方便、维修快捷、成本经济，均可互换，使泵的寿命最大化。

材质

过液部分材质：316L或304不锈钢

其它部分材质：304不锈钢

辅助密封材料：三元乙丙橡胶(EPDM)、硅橡胶(VMQ)、氟橡胶(FKM)、聚四氟乙烯(PTFE)

机械密封材料：石墨—碳化硅

表面处理

过液部分抛光0.8μm，其余亚光或喷砂处理。

Application

SFB Sanitary Centrifugal Pump is applied widely in conveying all kinds of liquid materials in the dairy, beer, beverage, pharmaceutical and chemical industries, etc.



Property and advantage

SFB series Sanitary Centrifugal Pump has types of single level, single suction, open-styled impeller. With its elaborate design in shell, impeller and the seat for impeller, resistance is reduced, health dead space is eliminated, and the flow speed of liquids in the pumps is increased, thus improving the whole performance of the pump. The open design for impeller guarantees the best CIP, outstanding sanitary features. In the course of processing products, they can satisfy sanitary request, have advantages of stability, chemical resisting property, high efficiency, and easy maintenance. The pump is supported on four adjustable steel legs and its exit can turn to any angle, thus increasing greatly the installation and usage range.

Shaft Seal

The shaft seal of SFB Sanitary Centrifugal Pump adopts mechanical seal, with good sealing performance, high self lubricating ability, wear resisting, high temperature, corrosion resisting, non-leak and easy installation. The SFB pump is equipped with either an external single or flushed mechanical shaft seal. All mechanical sealing spare parts are easily exchanged, rapidly maintained, and economical, making the maximum pump lifespan.

Materials

Product wetted steel parts: Stainless steel 316L or 304

Other steel parts: Stainless steel 304

Auxiliary sealed material: NBR、EPDM、VMQ、FKM、PTFE

Machinery sealed material: graphite silicon semi carbide

Surface treatment

Product wetted part: bright 0.8μm, other part: sandblasting or semi bright

技术参数

最大进口压力: 0.5MPa

温度范围: -10℃至+140℃(EPDM)

可冲洗机械密封:

水压: 最高0.1MPa

水量: 0.25~0.5L/min

电机:

1、根据配置主要采用“ABB”品牌的三相交流电动机,按照国际电工委员会IEC60034、IEC60072标准设计制造,符合欧共体“CE”标记要求。

2、可供选用防爆电机,以满足不同场合的需要。

3、优越的电气性能、低噪音、低振动,电机的标准设计防护等级为IP55,绝缘等级为F级。

4、工作电压:

≤3Kw, 220~240V/380~420V, Δ/Y

>3Kw, 380~420V/660~690V, Δ/Y

5、频率: 50Hz/60Hz

6、工作方式: 连续 (SI)

7、转速: 标准泵的转速为2900r/min

Technical parameters

Max.inlet pressure:0.5Mpa

Temperature range:-10℃+140℃(EPDM)

Flushed machinery seal:

Water pressure:max 0.1 MPa

Water consumption:0.25~0.5L/min

Motor

1.These motors are mainly made from ABB brand Standard with threephase AC machine according to settings. They are built to comply with current International Standards: 3International Electrotechnica, Commission IEC 60034 and IEC60072, EU directives to fulfill European"CE"mark requirement.

2. Anti-explosion motor may be chosen to satisfy requirements.

3.Superior electric performance, low noise, low quake, All motors are protected to IP55 as a minimum, Insulation level for the motors is F level.

4.working voltage

≤3Kw, 220~240V/380~420V, Δ/Y

>3Kw, 380~420V/660~690V, Δ/Y

5. Frequency: 50Hz/60Hz

6. Working manner: Continuous (SI)

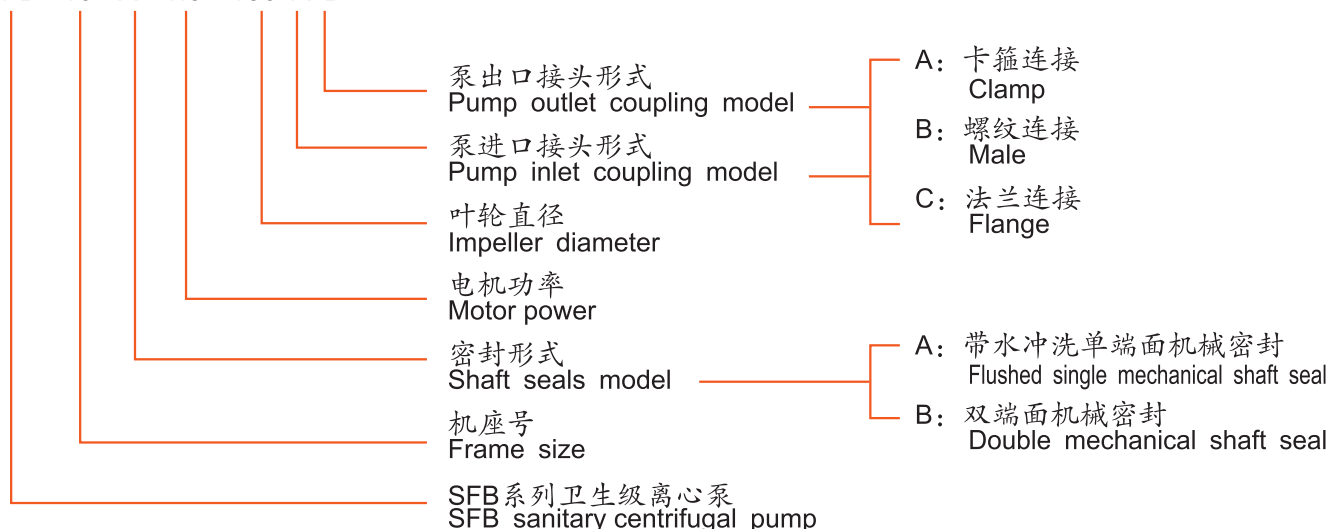
7.Speed of rotationThe speed of rotation for standard pump is 2900rpm

SFB卫生型离心泵型号说明

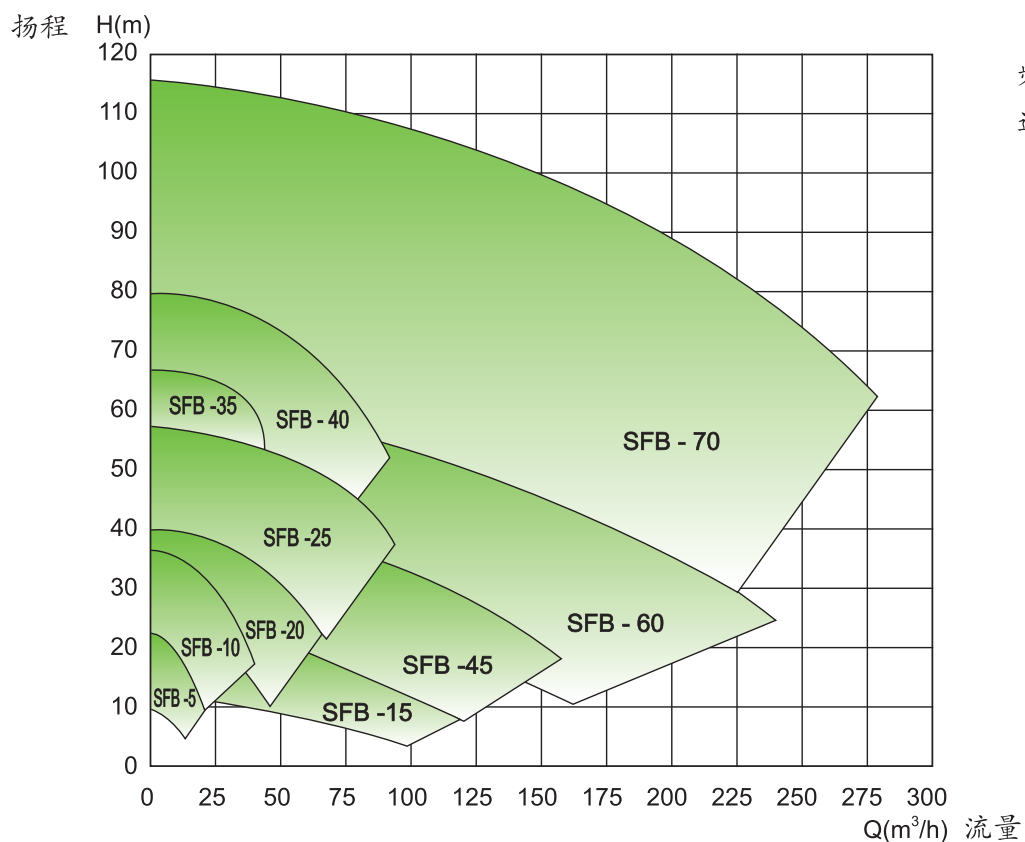
Instruction for SFB Sanitary Centrifugal Pump Style

示例: (Example)

SFB 10 - A - 1.5 - 130 A B



SFB系列卫生型离心泵可选型号图 Available types of SFB Series Sanitary Centrifugal Pump



频率: 50Hz

速度(同步): 2900rpm

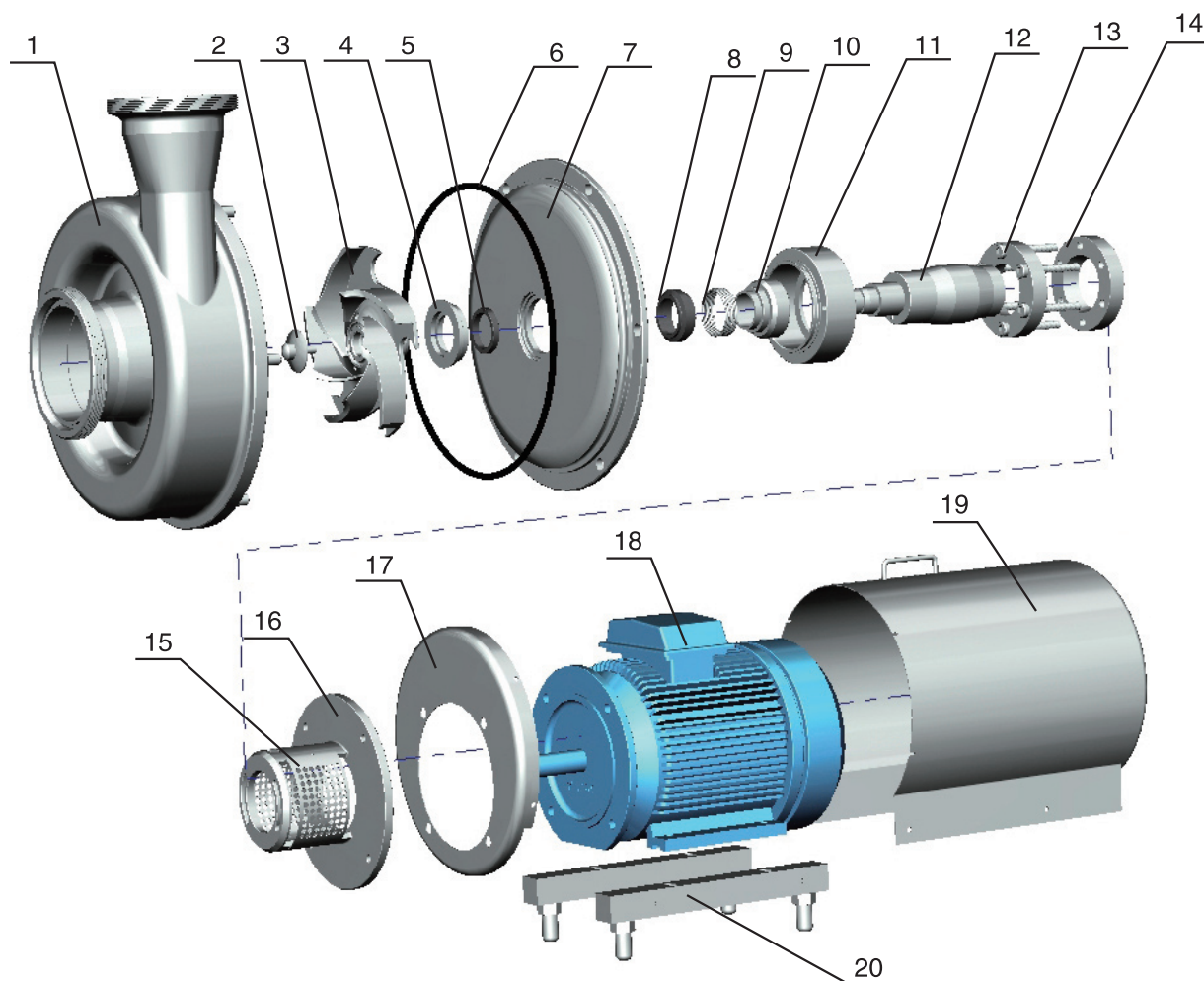
以上性能参数的流体介质为清水。

The medium of above performance figures is clean water

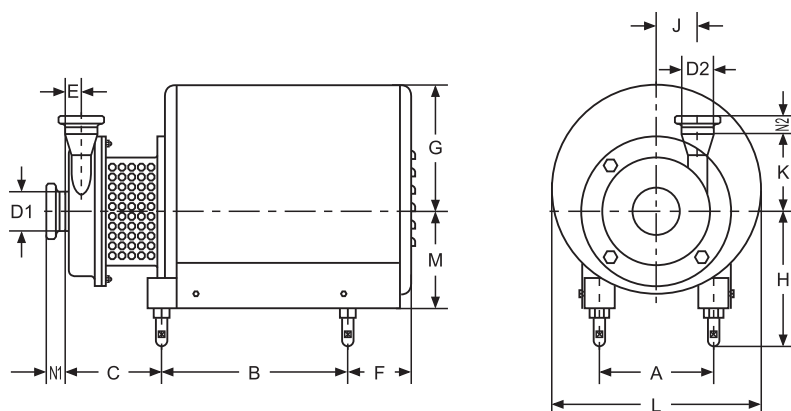
注意！如需要了解更多情况，请与本公司联系。

Attention: please contact our Company to know further information.

SFB系列卫生型离心泵结构分解图
Decomposition chart of the structure for SFB Sanitary Centrifugal Pump



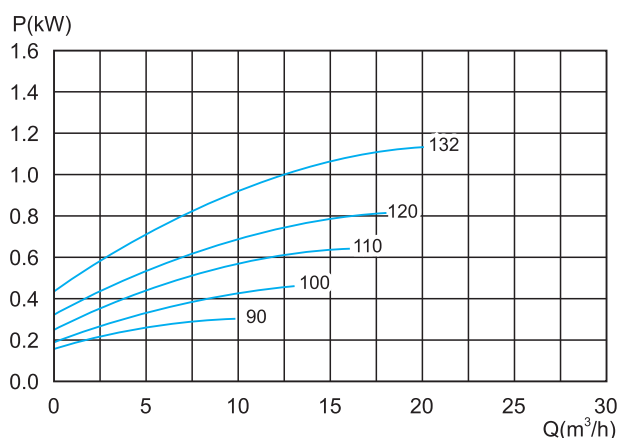
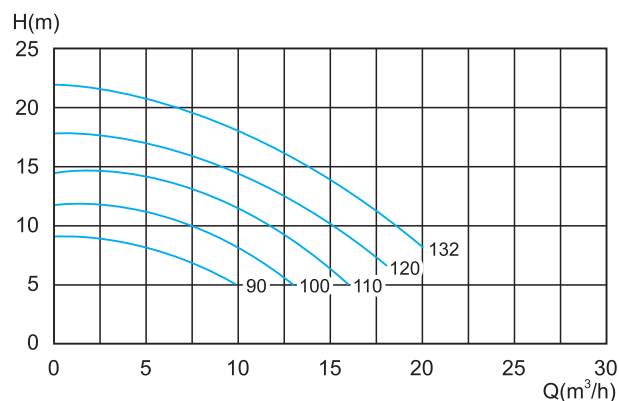
- | | | | | |
|---------------------------|------------------------|----------------------------------|-------------------------|--------------------------------------|
| 1、泵壳
Pump casing | 5、静环
Static ring | 9、弹簧
Spring | 13、连轴器（一）
Coupler(1) | 17、电机罩前盖
Front cover of the motor |
| 2、轴帽
Cup socket | 6、O形圈
O-ring | 10、驱动环
Drive collar | 14、连轴器（二）
Coupler(2) | 18、马达
Motor |
| 3、叶轮
Impeller | 7、叶轮座
Impeller seat | 11、机械密封座
Mechanical seal seat | 15、防护板
Shield | 19、罩壳
Cover |
| 4、静环座
Static ring seat | 8、动环
Rotating ring | 12、主轴
Principal axis | 16、支座
Bracket | 20、支脚
Stand |



SFB-5外形安装尺寸 Dimensions

Size	电机功率(Motor Power)				
	0.55KW	0.75KW	1.1KW	1.5KW	2.2KW
A	112	125	125	145	145
B	215	224	224	224	224
C	103	125	125	155	155
E	22	22	22	22	22
F	46	100	100	116	116
G	110	200	200	165	165
H max	170	190	190	190	190
H min	140	160	160	160	160
J	49	88	88	88	88
K	90	145	145	145	145
L	240	278	278	278	278
M	80	120	120	120	120

Size	ISO 卡箍	DIN 卡箍	SMS 活接	DIN 活接	ISO 法兰	DIN 法兰
D1	50.8	52	50.8	52	50.8	52
D2	38.1	40	38.1	40	38.1	40
N1	21.5	21.5	20	23	25	24
N2	21.5	21.5	20	22	25	24

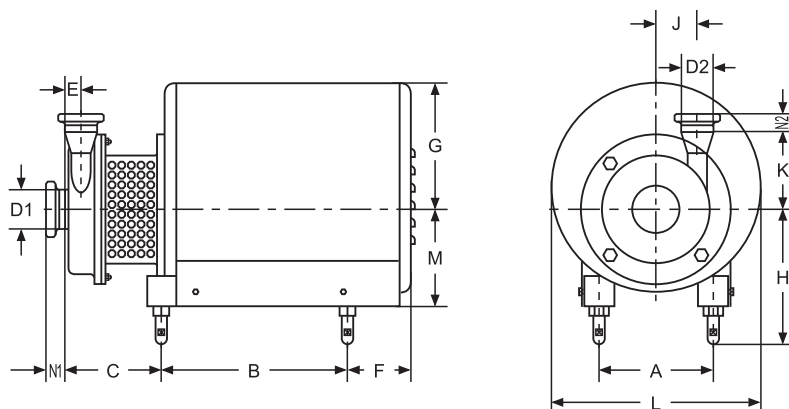


性能曲线 Performance Curve

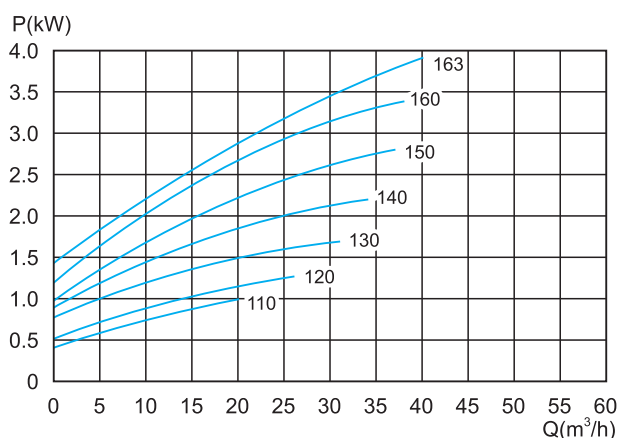
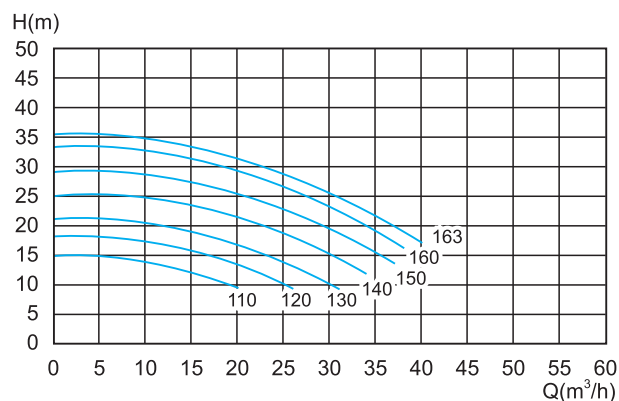
介质: 20℃清水 误差: ±5% Medium: 20℃ clean water Error: ±5%	转速: 2900r/min 频率: 50Hz Rotating Speed: 2900r/min Frequency: 50Hz	叶轮: 最大直径: 132mm 最小直径: 90mm Impeller: Max.Dia.: 132mm Min.Dia.: 90mm	进口通径: Φ50.8 DN50 出口通径: Φ38.1 DN40 Inlet Diameter: Φ50.8 DN50 Outlet Diameter: Φ38.1 DN40
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选择时需考虑留有安全余量 Safety tolerance should be reserved when selecting motor power

SFB-10卫生型离心泵 Sanitary Centrifugal Pump



SFB-10外形安装尺寸 Dimensions



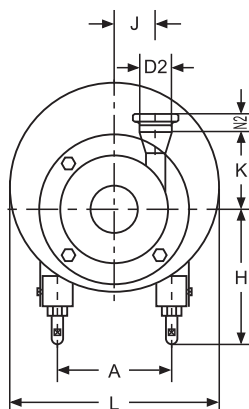
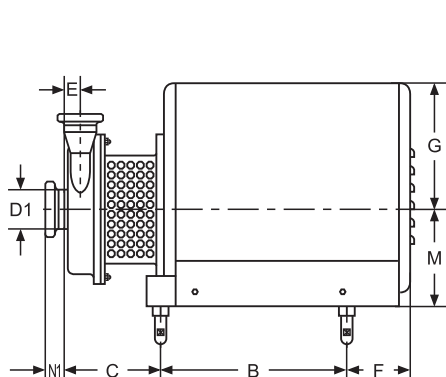
Size	电机功率(Motor Power)			
	1.5KW	2.2KW	3KW	4KW
A	145	145	170	190
B	224	224	269	269
C	155	155	148	155
E	23	23	23	23
F	116	116	116	116
G	165	165	210	210
H max	190	190	240	240
H min	160	160	210	210
J	88	88	88	88
K	145	145	145	145
L	278	278	348	348
M	120	120	140	152

Size	ISO卡箍	DIN卡箍	SMS活接	DIN活接	ISO法兰	DIN法兰
D1	63.5	70	63.5	70	63.5	70
D2	50.8	52	50.8	52	50.8	52
N1	21.5	21.5	24	25	25	24
N2	21.5	21.5	20	23	25	24

性能曲线 Performance Curve

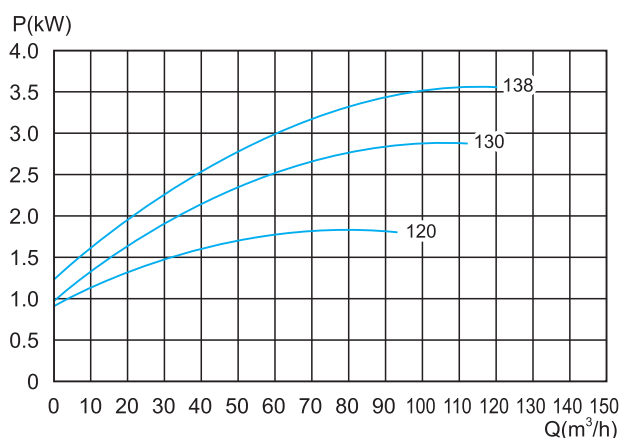
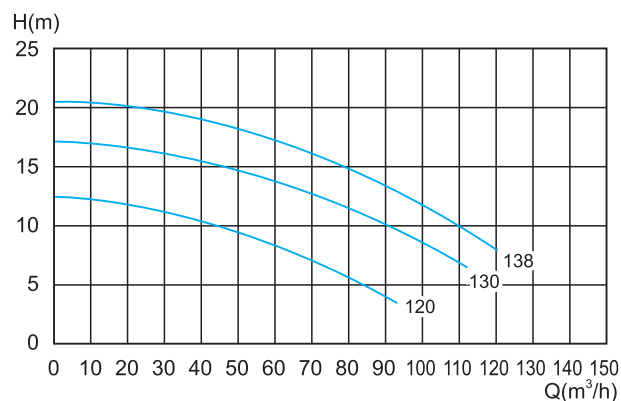
介质: 20℃清水 误差: ±5% Medium: 20℃ clean water Error: ±5%	转速: 2900r/min 频率: 50Hz Rotating Speed: 2900r/min Frequency: 50Hz	叶轮: 最大直径: 163mm 最小直径: 110mm Impeller: Max.Dia.: 163mm Min.Dia.: 110mm	进口通径: Φ63.5 DN65 出口通径: Φ50.8 DN50 Inlet Diameter: Φ63.5 DN65 Outlet Diameter: Φ50.8 DN50
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选择时需考虑留有安全余量 Safety tolerance should be reserved when selecting motor power


SFB-15外形安装尺寸 Dimensions

Size	电机功率(Motor Power)		
	3KW	4KW	5.5KW
A	170	190	216
B	269	269	328
C	148	155	176
E	43	43	43
F	116	116	160
G	210	210	215
H max	240	240	260
H min	210	210	230
J	88	88	88
K	145	145	145
L	348	348	378
M	140	152	182

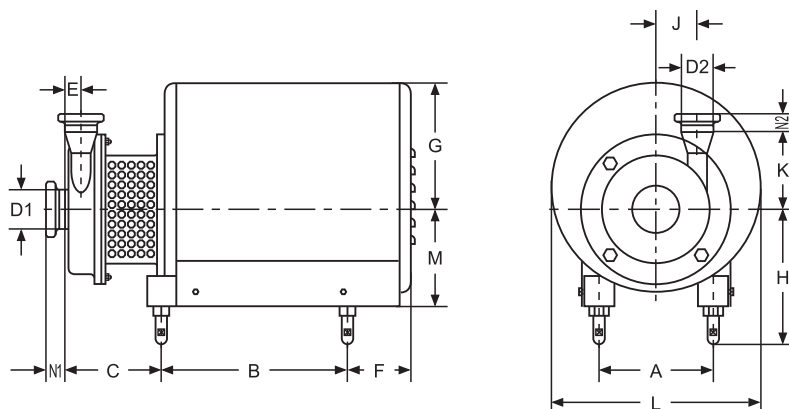
Size	ISO 卡箍	DIN 卡箍	SMS 活接	DIN 活接	ISO 法兰	DIN 法兰
D1	101.6	104	101.6	104	101.6	104
D2	76.1	85	76.1	85	76.1	85
N1	28	28	35	30	25	24
N2	21.5	21.5	24	30	25	24


性能曲线 Performance Curve

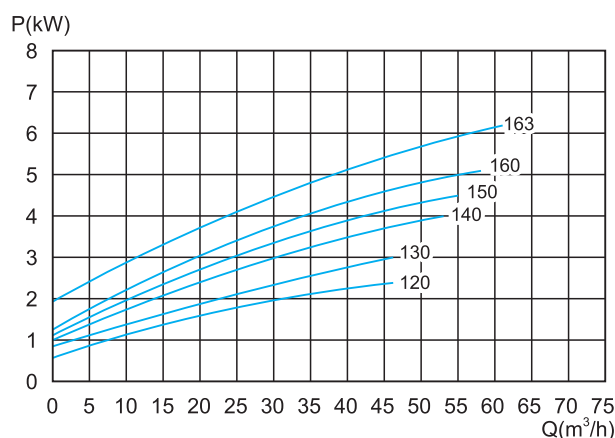
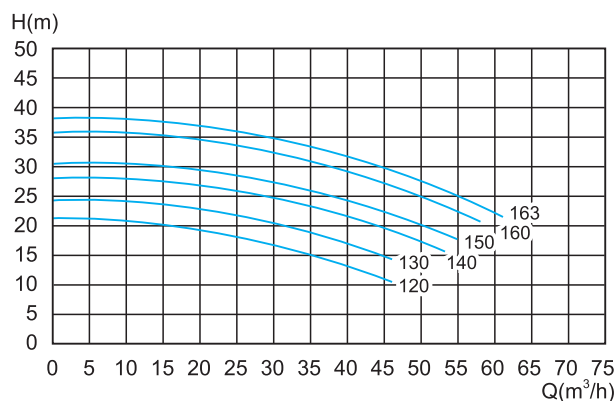
介质: 20℃清水 误差: ±5% Medium: 20℃ clean water Error: ±5%	转速: 2900r/min 频率: 50Hz Rotating Speed: 2900r/min Frequency: 50Hz	叶轮: 最大直径: 138mm 最小直径: 120mm Impeller: Max.Dia.: 138mm Min.Dia.: 120mm	进口口径: Φ101.6 DN100 出口口径: Φ76.1 DN80 Inlet Diameter: Φ101.6 DN100 Outlet Diameter: Φ76.1 DN80
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选择时需考虑留有安全余量 Safety tolerance should be reserved when selecting motor power

SFB-20卫生型离心泵 Sanitary Centrifugal Pump



SFB-20外形安装尺寸 Dimensions



Size	电机功率(Motor Power)			
	3KW	4KW	5.5KW	7.5KW
A	170	190	216	216
B	269	269	328	328
C	148	155	176	176
E	27	27	27	27
F	116	116	160	160
G	210	210	215	215
H max	240	240	260	260
H min	210	210	230	230
J	88	88	88	88
K	145	145	145	145
L	348	348	378	378
M	140	152	182	182

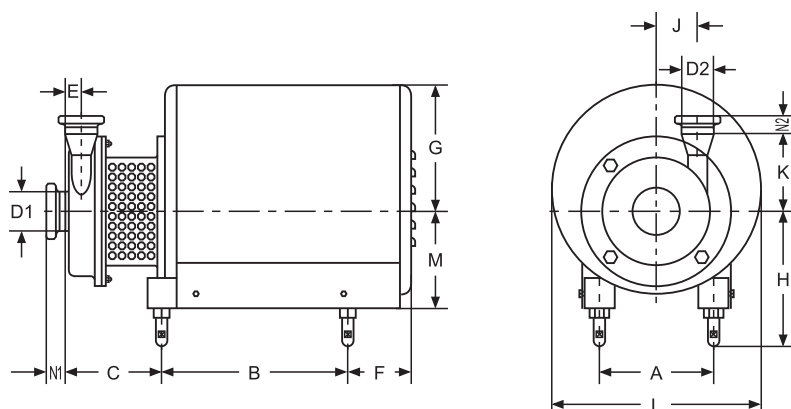
Size	ISO卡箍	DIN卡箍	SMS活接	DIN活接	ISO法兰	DIN法兰
D1	63.5	70	63.5	70	63.5	70
D2	50.8	52	50.8	52	50.8	52
N1	21.5	21.5	24	25	25	24
N2	21.5	21.5	20	23	25	24

性能曲线 Performance Curve

介质: 20℃清水 误差: ±5% Medium: 20℃ clean water Error: ±5%	转速: 2900r/min 频率: 50Hz Rotating Speed: 2900r/min Frequency: 50Hz	叶轮: 最大直径: 163mm 最小直径: 120mm Impeller: Max.Dia.: 163mm Min.Dia.: 120mm	进口通径: Φ63.5 DN65 出口通径: Φ50.8 DN50 Inlet Diameter: Φ63.5 DN65 Outlet Diameter: Φ50.8 DN50
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选择时需考虑留有安全余量 Safety tolerance should be reserved when selecting motor power

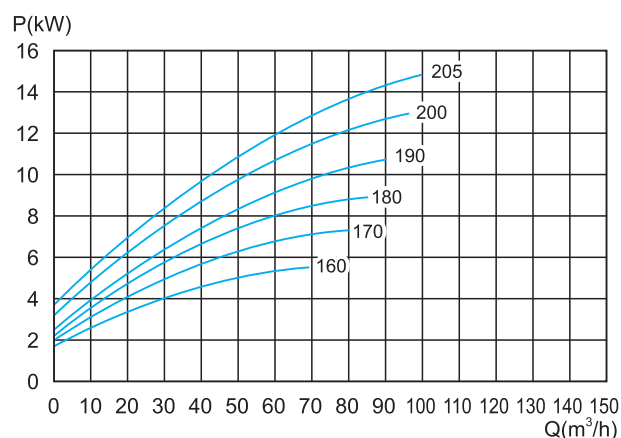
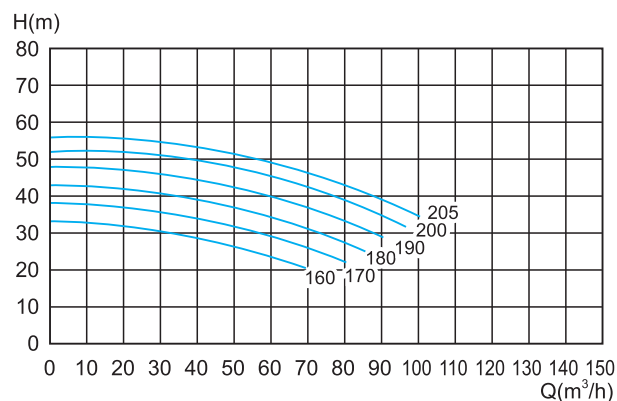
SFB-25卫生型离心泵 Sanitary Centrifugal Pump



SFB-25外形安装尺寸 Dimensions

Size	电机功率(Motor Power)				
	4KW	5.5KW	7.5KW	11KW	15KW
A	190	216	216	254	254
B	269	328	328	400	400
C	155	176	176	232	232
E	32	32	32	32	32
F	116	160	160	188	188
G	210	215	215	270	270
H max	240	260	260	300	300
H min	210	230	230	260	260
J	88	88	88	117	117
K	145	145	145	194	194
L	348	378	378	453	453
M	152	182	182	210	210

Size	ISO 卡箍	DIN 卡箍	SMS 活接	DIN 活接	ISO 法兰	DIN 法兰
D1	76.1	85	76.1	85	76.1	85
D2	63.5	70	63.5	70	63.5	70
N1	21.5	21.5	24	26	25	24
N2	21.5	21.5	24	26	25	24

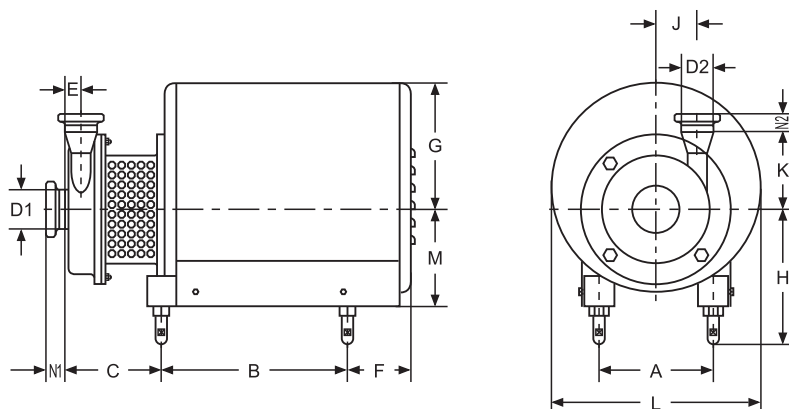


性能曲线 Performance Curve

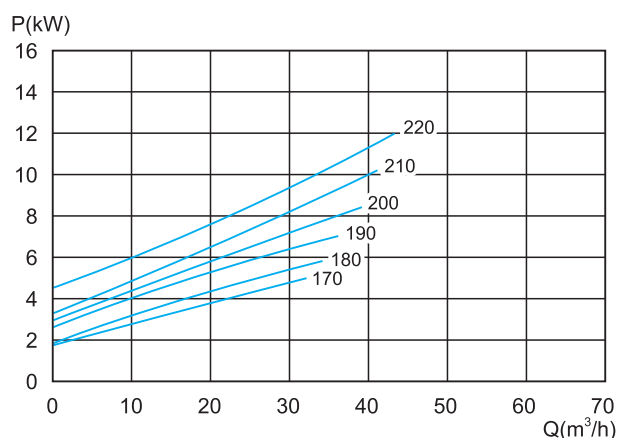
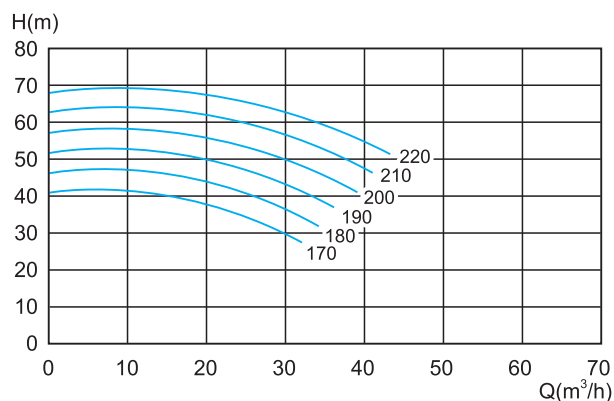
介质: 20℃清水 误差: ±5% Medium: 20℃ clean water Error: ±5%	转速: 2900r/min 频率: 50Hz Rotating Speed: 2900r/min Frequency: 50Hz	叶轮: 最大直径: 205mm 最小直径: 160mm Impeller: Max.Dia.: 205mm Min.Dia.: 160mm	进口口径: Φ76.1 DN80 出口口径: Φ63.5 DN65 Inlet Diameter: Φ76.1 DN80 Outlet Diameter: Φ63.5 DN65
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选择时需考虑留有安全余量 Safety tolerance should be reserved when selecting motor power

SFB-35卫生型离心泵 Sanitary Centrifugal Pump



SFB-35外形安装尺寸 Dimensions



Size	电机功率(Motor Power)				
	4KW	5.5KW	7.5KW	11KW	15KW
A	190	216	216	254	254
B	269	328	328	400	400
C	155	176	176	232	232
E	23	23	23	23	23
F	116	160	160	188	188
G	210	215	215	270	270
H max	240	260	260	300	300
H min	210	230	230	260	260
J	88	88	88	117	117
K	145	145	145	194	194
L	348	378	378	453	453
M	152	182	182	210	210

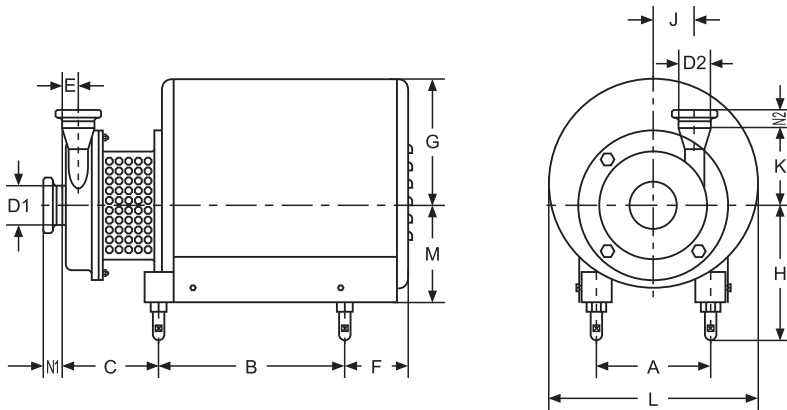
Size	ISO卡箍	DIN卡箍	SMS活接	DIN活接	ISO法兰	DIN法兰
D1	63.5	70	63.5	70	63.5	70
D2	50.8	52	50.8	52	50.8	52
N1	21.5	21.5	24	25	25	24
N2	21.5	21.5	20	23	25	24

性能曲线 Performance Curve

介质: 20℃清水 误差: ±5% Medium: 20℃ clean water Error: ±5%	转速: 2900r/min 频率: 50Hz Rotating Speed: 2900r/min Frequency: 50Hz	叶轮: 最大直径: 220mm 最小直径: 170mm Impeller: Max.Dia.: 220mm Min.Dia.: 170mm	进口通径: Φ63.5 DN65 出口通径: Φ50.8 DN50 Inlet Diameter: Φ63.5 DN65 Outlet Diameter: Φ50.8 DN50
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选择时需考虑留有安全余量 Safety tolerance should be reserved when selecting motor power

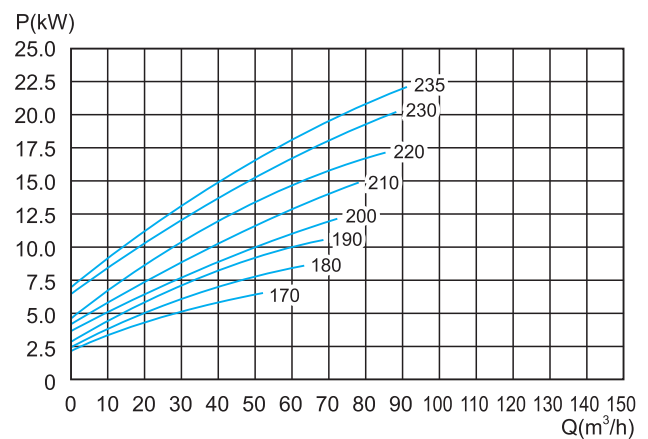
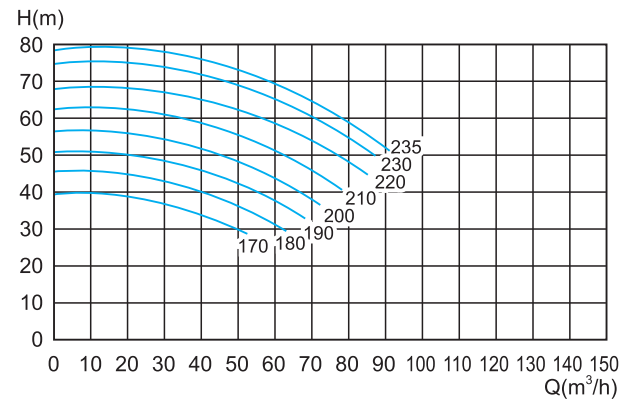
SFB-40卫生型离心泵 Sanitary Centrifugal Pump



SFB-40外形安装尺寸 Dimensions

Size	电机功率(Motor Power)				
	7.5KW	11KW	15KW	18.5KW	22KW
A	216	254	254	254	279
B	328	400	400	400	390
C	176	232	232	232	250
E	28	28	28	28	28
F	160	188	188	188	200
G	215	270	270	270	285
H max	260	300	300	300	320
H min	230	260	260	260	280
J	88	117	117	117	117
K	145	194	194	194	194
L	378	453	453	453	470
M	182	210	210	210	230

Size	ISO卡箍	DIN卡箍	SMS活接	DIN活接	ISO法兰	DIN法兰
D1	76.1	85	76.1	85	76.1	85
D2	63.5	70	63.5	70	63.5	70
N1	21.5	21.5	24	30	25	24
N2	21.5	21.5	24	25	25	24

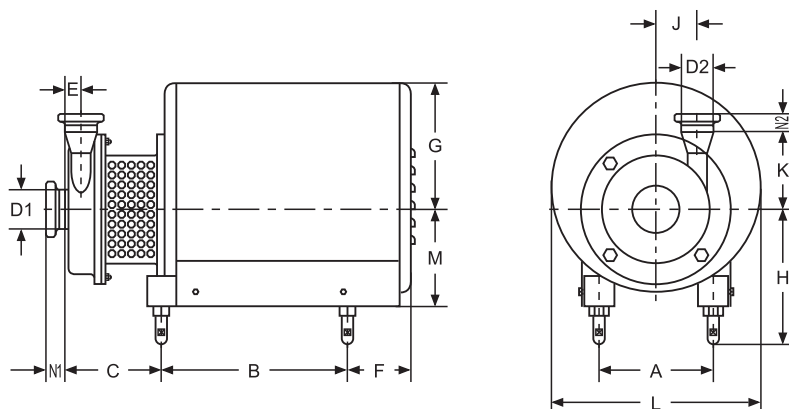


性能曲线 Performance Curve

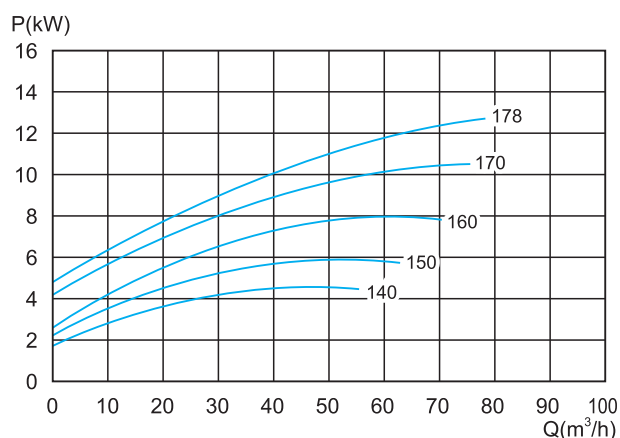
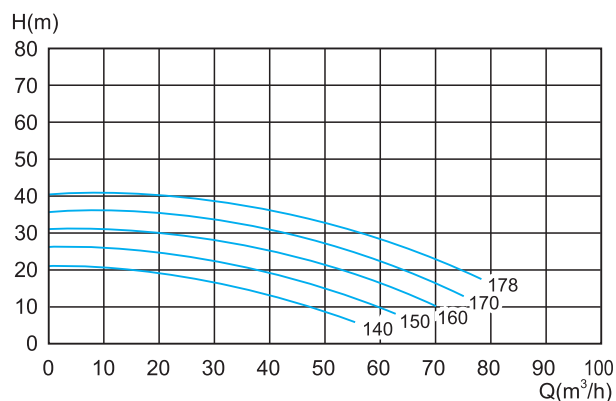
介质: 20℃清水 误差: ±5% Medium: 20℃ clean water Error: ±5%	转速: 2900r/min 频率: 50Hz Rotating Speed: 2900r/min Frequency: 50Hz	叶轮: 最大直径: 235mm 最小直径: 170mm Impeller: Max.Dia.: 235mm Min.Dia.: 170mm	进口口径: Φ76.1 DN80 出口口径: Φ63.5 DN65 Inlet Diameter: Φ76.1 DN80 Outlet Diameter: Φ63.5 DN65
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选择时需考虑留有安全余量 Safety tolerance should be reserved when selecting motor power

SFB-45卫生型离心泵 Sanitary Centrifugal Pump



SFB-45外形安装尺寸 Dimensions



Size	电机功率(Motor Power)		
	4KW	5.5/7.5KW	11/15/18.5KW
A	190	216	254
B	269	330	440
C	155	183	215
E	41	41	41
F	116	160	175
G	210	263	310
H max	240	282	310
H min	210	232	260
J	88	117	117
K	145	194	194
L	348	360	410
M	152	182	210

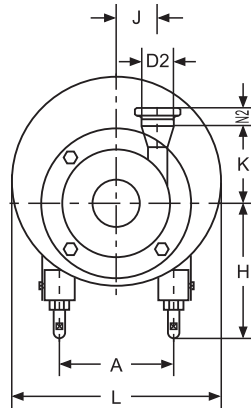
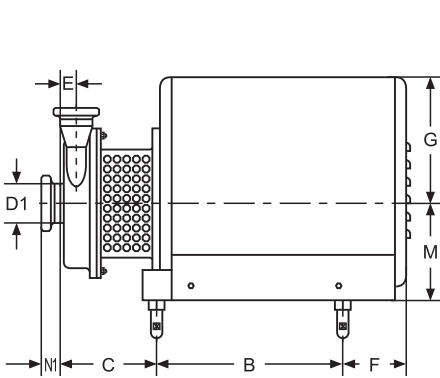
Size	ISO卡箍	DIN卡箍	SMS活接	DIN活接	ISO法兰	DIN法兰
D1	101.6	104	101.6	104	101.6	104
D2	76.1	85	76.1	85	76.1	85
N1	21.5	28	35	30	25	24
N2	21.5	21.5	24	30	25	24

性能曲线 Performance Curve

介质: 20℃清水 误差: ±5% Medium: 20℃ clean water Error: ±5%	转速: 2900r/min 频率: 50Hz Rotating Speed: 2900r/min Frequency: 50Hz	叶轮: 最大直径: 178mm 最小直径: 140mm Impeller: Max.Dia.: 178mm Min.Dia.: 140mm	进口通径: Φ101.6 DN100 出口通径: Φ76.1 DN80 Inlet Diameter: Φ101.6 DN100 Outlet Diameter: Φ76.1 DN80
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选择时需考虑留有安全余量 Safety tolerance should be reserved when selecting motor power

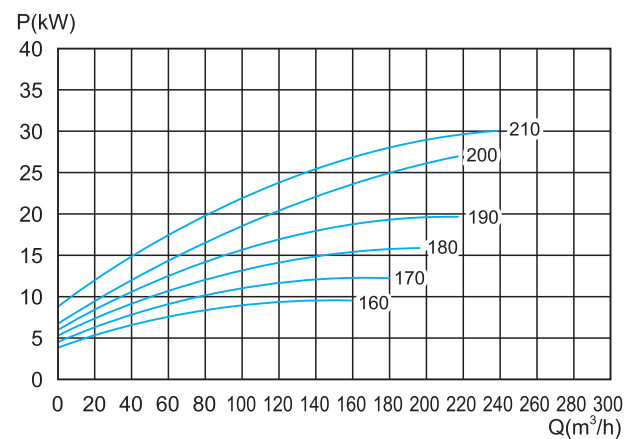
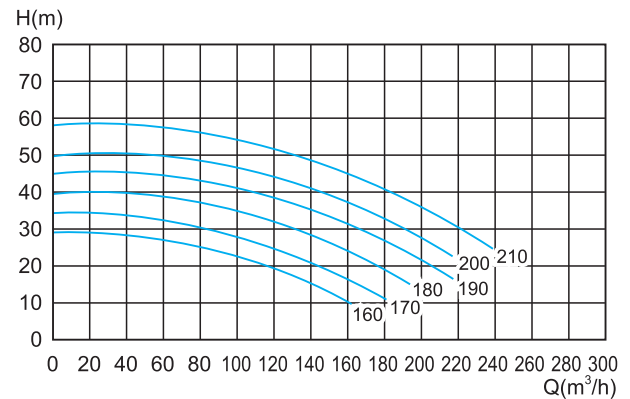
SFB-60卫生型离心泵 Sanitary Centrifugal Pump



SFB-60外形安装尺寸 Dimensions

Size	电机功率(Motor Power)			
	5.5/7.5KW	11/15/18.5KW	22KW	30KW
A	216	254	279	318
B	330	440	390	480
C	183	215	250	250
E	62	62	62	62
F	160	175	200	200
G	263	310	285	350
H max	282	310	320	370
H min	232	260	280	330
J	117	117	117	117
K	194	194	194	194
L	360	410	470	560
M	182	210	230	260

Size	ISO 卡箍	DIN 卡箍	SMS 活接	DIN 活接	ISO 法兰	DIN 法兰
D1	101.6	104	101.6	104	101.6	104
D2	101.6	104	101.6	104	101.6	104
N1	28	28	35	40	25	24
N2	28	28	35	30	25	24

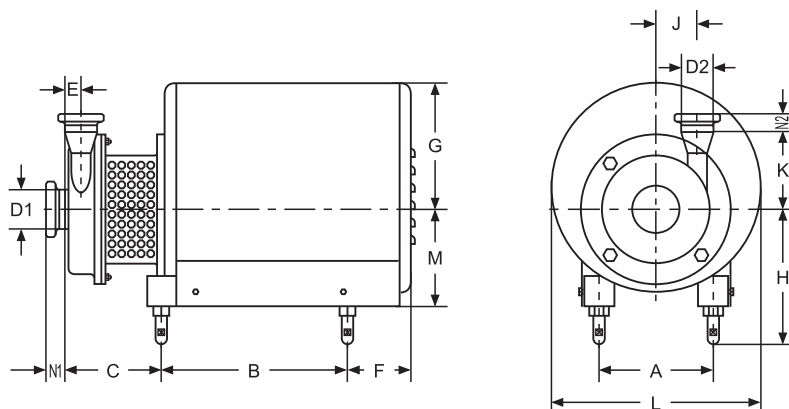


性能曲线 Performance Curve

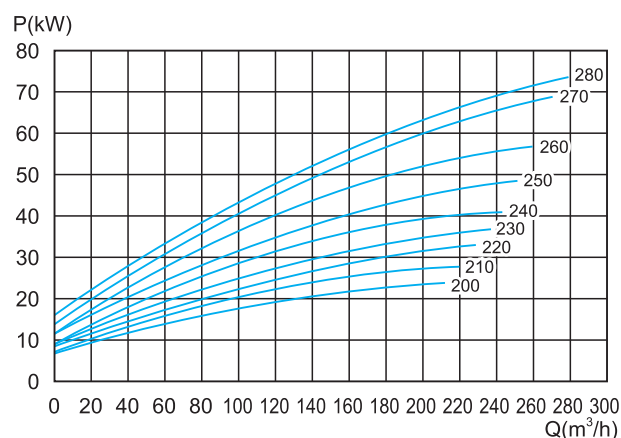
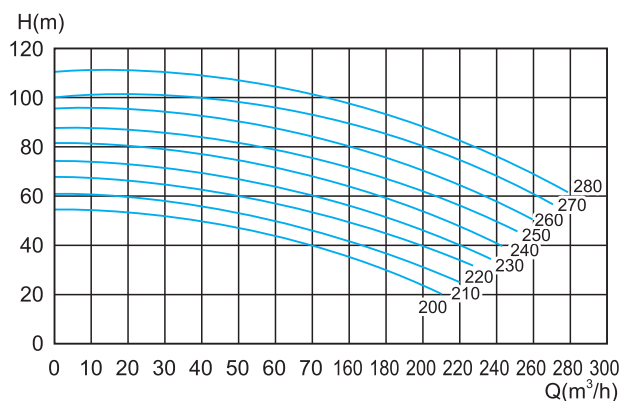
介质: 20℃清水 误差: ±5% Medium: 20℃ clean water Error: ±5%	转速: 2900r/min 频率: 50Hz Rotating Speed: 2900r/min Frequency: 50Hz	叶轮: 最大直径: 210mm 最小直径: 160mm Impeller: Max.Dia.: 210mm Min.Dia.: 160mm	进口通径: Φ101.6 DN100 出口通径: Φ101.6 DN100 Inlet Diameter: Φ101.6 DN100 Outlet Diameter: Φ101.6 DN100
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选择时需考虑留有安全余量 Safety tolerance should be reserved when selecting motor power

SFB-70卫生型离心泵 Sanitary Centrifugal Pump



SFB-70外形安装尺寸 Dimensions



Size	电机功率(Motor Power)				
	18.5KW	22KW	30KW	45KW	55KW
A	254	279	318	356	406
B	400	390	480	510	604
C	232	250	250	300	315
E	25	25	25	25	25
F	188	200	200	300	300
G	270	285	350	364	405
H max	300	320	370	400	400
H min	260	280	330	360	360
J	117	117	117	140	140
K	194	194	194	255	255
L	453	470	560	600	690
M	210	230	260	285	310

Size	ISO 卡箍	DIN 卡箍	SMS 活接	DIN 活接	ISO 法兰	DIN 法兰
D1	101.6	104	101.6	104	101.6	104
D2	76.1	85	76.1	85	76.1	85
N1	28	28	35	30	25	24
N2	21.5	21.5	24	30	25	24

性能曲线 Performance Curve

介质: 20℃清水 误差: ±5% Medium: 20℃ clean water Error: ±5%	转速: 2900r/min 频率: 50Hz Rotating Speed: 2900r/min Frequency: 50Hz	叶轮: 最大直径: 280mm 最小直径: 200mm Impeller: Max.Dia.: 280mm Min.Dia.: 200mm	进口通径: Φ101.6 DN100 出口通径: Φ76.1 DN80 Inlet Diameter: Φ101.6 DN100 Outlet Diameter: Φ76.1 DN80
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选择时需考虑留有安全余量 Safety tolerance should be reserved when selecting motor power