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Rated flowrate

级数,叶轮数
Progression, Number of impellers

S(I)MV32;45;64;90;120;150

范例 Examples IMV 32 -3 -1

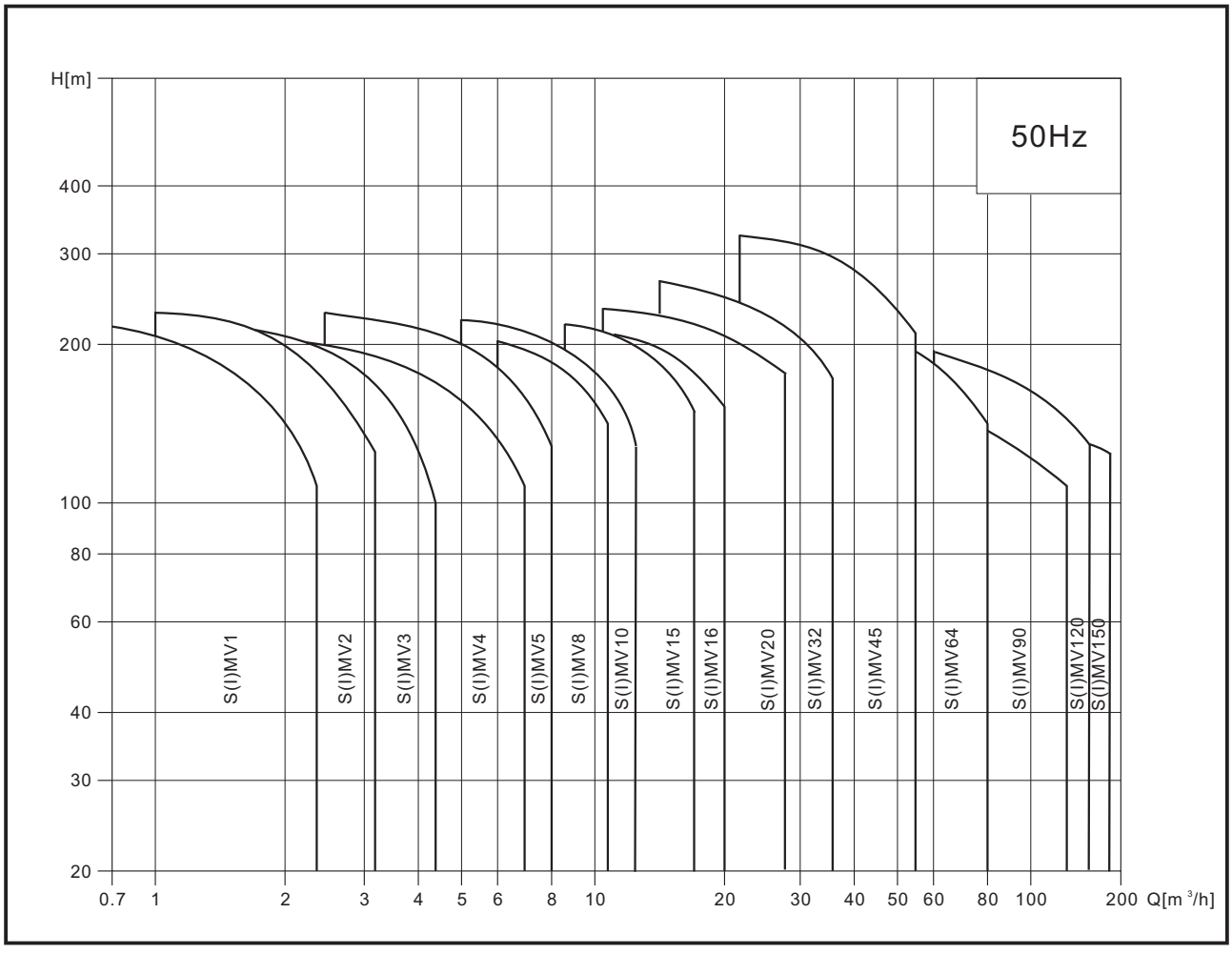
泵系列, IMV;SMV等
Pump series

额定流量[m^3/h]
Rated flowrate

级数,叶轮数
Progression, Number of impellers

小叶轮数(仅叶片短)
Number of small impellers
(only for short impeller)

性能范围 **Performances**



产品范围 Product scope

说明（流量系列）Description	S(I)MV1	S(I)MV2	S(I)MV3	S(I)MV4	S(I)MV5	S(I)MV8	S(I)MV10	S(I)MV15
范围 Range								
额定流量[m^3/h] Rated flowrate	1	2	3	4	5	8	10	15
流量范围[m^3/h] Flow range	0.7-2.4	1.0-3.2	1.2-4.4	2-7	2.5-8	6-11	5-13	8.5-22
最大压力[bar] Maximum pressure	22	25	24	22	24	22	22	23
电机功率[kW] Motor power	0.37-2.2	0.37-3.0	0.37-3.0	0.37-4.0	0.37-5.5	0.75-7.5	0.37-7.5	1.1-15
温度范围[℃] Temperature range	-15 to +120							
最高效率[%] Maximumefficiency	48	48	58	59	66	64	70	72
类别 Type								
IMV	–	–	–	–	–	○	○	○
SMV	○	○	○	○	○	○	○	○
IMV管路连接 IMV Piping connection								
DIN法兰 DIN Flange	–	–	–	–	–	DN40	DN40	DN50
SMV管路连接 SMV Piping connection								
Pi接口 Pi Coupler	Rp1	Rp1	Rp1	–	–	–	–	–
PO接口 PO Coupler	–	–	–	R11/4	R11/4	–	–	–
PJE接口PJE Coupler	○	○	○	○	○	○	–	–
DIN法兰 DIN Flange	DN25/32	DN25/32	DN25/32	DN25/32	DN25/32	DN40	DN40	DN50

说明（流量系列）Description	S(I)MV16	S(I)MV20	S(I)MV32	S(I)MV45	S(I)MV64	S(I)MV90	S(I)MV120	S(I)MV150
范围 Range								
额定流量[m^3/h] Rated flowrate	16	20	32	45	64	90	120	150
流量范围[m^3/h] Flow range	8-20	10.5-28	15-36	22-55	30-80	45-110	60-160	75-180
最大压力[bar] Maximum pressure	23	25	27	32	22	20	21	19
电机功率[kW] Motor power	2.2-15	1.1-18.5	1.5-30	3.0-45	4.0-45	5.5-45	11-75	11-75
温度范围[℃] Temperature range	-15 to +120							
最高效率[%] Maximumefficiency	70	72	78	79	80	81	76	72
类别 Type								
IMV	○	○	○	○	○	○	○	○
SMV	○	○	○	○	○	○	○	○
IMV 管路连接 IMV Piping connection								
DIN法兰 DIN Flange	DN50	DN50	DN65	DN80	DN100	DN100	DN 125	DN 125
SMV管路连接 SMV Piping connection								
Pi接口 Pi Coupler	–	–	–	–	–	–	–	–
PO接口 PO Coupler	–	–	–	–	–	–	–	–
PJE接口PJE Coupler	○	–	–	–	–	–	–	–
DIN法兰 DIN Flange	DN50	DN50	DN65	DN80	DN 100	DN 100	DN 125	DN 125

○可以供货或推荐应用
–没有供货或不建议用

○With supply or recommending use
–Without supply or recommending use

产品应用 Applications of product

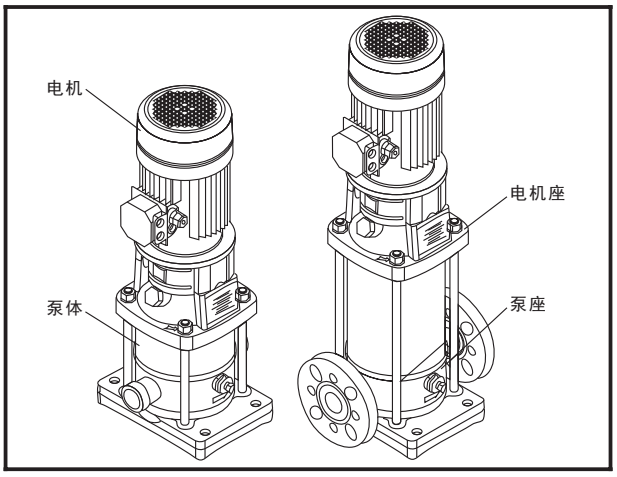
典型应用 Typical application	IMV1-IMV16	IMV20-IMV150	SMV1-SMV16	SMV20-SMV150
供水 Water supply				
水厂的过滤与输送 Filtered and offered by water supply factory	○	○	-	-
主管增压 Pressurizing in main pipe	○	○	-	-
高层建筑增压 Pressurizing in high-storey building	○	○	-	-
工业给水增压 Pressurizing industrial water	○	○	○	○
增压 Pressurizing				
流程水系统 Flow water system	○	○	○	○
高压冲洗系统 High-pressure rinsing system	○	○	○	○
消防系统 Fire system	○	○	-	-
输送 Transporting				
冷却和空调系统 Cooling and air-conditioning system	○	○	-	-
锅炉给水和冷凝水系统 Supply water and cooling water system for boiler	○	○	-	-
酒和酒精 Wine and alcohol	○	○	○	○
水处理 Water treatment				
高压过滤系统 High-pressure filtering system	-	-	○	○
反渗透系统 Reverse osmosis system	-	-	○	○
软化、电解、除盐系统 Softening, electrolytic and desalting system	-	-	○	○
蒸馏系统 Distilling system	-	-	○	○
灌溉 Irrigation				
土地灌溉 Land irrigation	○	○	-	-
喷灌 Spray irrigation	○	○	-	-
滴灌 Drip irrigation	○	○	-	-

○可以供货或推荐应用
○With supply or recommending use
-没有供货或不建议用
-Without supply or recommending use

泵
Pump

SMV、IMV为非自吸的立式多级离心泵。
整个泵主要由电机；电机座；泵体；泵座等组成。
泵进出口在同一条直线上。
所有的泵均配用免维护的轴封。

SMV and IMV non-self-sucking vertical multi-stage pumps.
Complete pump consists of motor, motor frame, pump body and pump base. Pump inlet and outlet are on the same line. All the pumps are mated with non-maintaining shaft seal.



电机

电机为全封闭型，风冷式二极标准电机。
＊安装形式：0.37-4.0kW，V18；
5.5kW以上，V1。
＊绝缘等级：F；B。
＊防护等级：IP55，IP54和IP44。
＊50Hz标准电压：3×200-220/346-380V；
3×220-240/380-415V；
1×220-230/240V。
＊电机起停次数：0.37-4.0kW，30次/小时；
4.0kW以上，20次/小时。

运转条件

＊输送液体：稀薄、非易燃易爆、不含有固体颗粒或纤维的液体，液体须不对泵材料造成化学性及机械损坏。当输送液体的密度或粘度大于水，必要时需采用相应的大功率电机。泵是否适用于某种特殊液体，取决于诸如液体的氯化物含量；PH值；温度及成分等多项因素。
＊液体温度：-15℃ - +120℃。
＊环境温度：最高+40℃。如环境温度超过+40℃或海拔高度超过1000ｍ时，由于空气密度低导致电机冷却效果不好，电机额定输出功率会相应减少。因此，必须选用更高功率的电机。
＊最小进口压力：在下列情况下应计算进口压力。
液体温度较高；
流量明显比额定值大；
液体所需的吸程很大；
进口管路很长；
进口条件比较差。

Motor

Motor is totally enclosed, air cooling two-pole standard motor.
* Installing form:0.37-4.0kW, V18;
Over 5.5kW, V1
* Insulating class:F; B.
* Protecting level: IP55, IP54 and Ip44。
* 50Hz standard voltage: 3×200-220/346-380V;
3×220-240/380-415V;
1×220-230/240V。
* Start and stop times of motor:
0.37-4.0kW, 30 times/hour;
Over 4.0kW, 20 times/hour

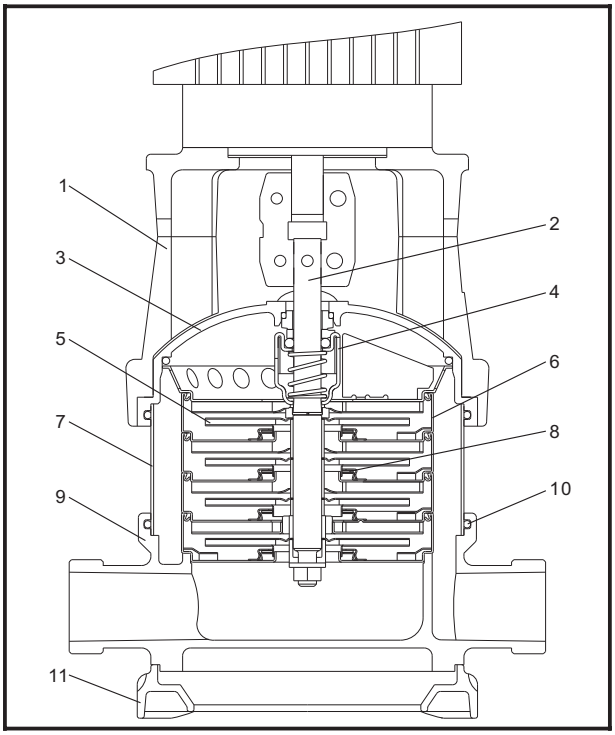
Operating conditions

*Transporting liquid: Thin, non-inflammable and non-explosive liquid without solids or fibers won't cause any chemical or mechanical damage to pump materials. When transporting liquid with density or viscosity largerthan water, it is necessary to use corresponding great power motor. Whether pump can be matched with a specialliquid is depended on some factors such as chloride content in liquid, PH value, temperature, compositions, etc.

*Liquid temperature: -15℃- +120℃。
*Ambient temperature: Maximum +40℃. When ambient temperature is greater than +40℃and height above sea level over 1000m, low air density will cause undesired cooling effect of motor to correspondingly decrease its rated output power. For this reason, greater power motor should be selected.

Minimum inlet pressure: Inlet pressure should be calculated under the following conditions.
*Greater liquid temperature;
*Flowrate obviously greater than rated value;
*Greater suction head required by liquid;
*Longer inlet piping;
*Worse inletting conditions.

S(I)MV1;3;5;10;15;20



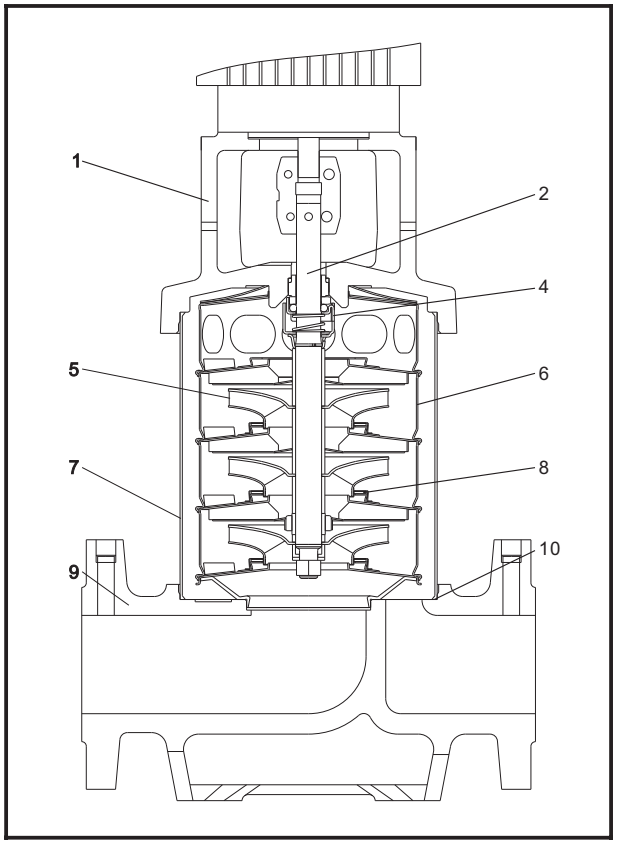
材料：S(I)MV

Material：S(I)MV

位置 Location	名称 Description	材料 Material	AISI/ASTM
1	电机座 Motor frame	铸铁 Casting	-
2	轴 Shaft	不锈钢 Stainless steel	AISI 316
3	衬盖 Sleeve	不锈钢 Stainless steel	AISI 304/316
4	轴封 Shaft seal	多种材料* Multiple materials	-
5	叶轮 Impeller	不锈钢 Stainless steel	AISI 304/316
6	腔体 Cavity	不锈钢 Stainless steel	AISI 304/316
7	外圆筒 Outer cylinder	不锈钢 Stainless steel	AISI 304/316
8	颈环 Neck ring	PTFE	-
9	泵座 Pump base	不锈钢 Stainless steel	AISI 304/316
10	外圆筒垫 O ring for outer cylinder	纤维纸 fibre paper	-
11	底板 Base plate	铸铁 Casting	-
-	橡胶零件 Rubber parts	EPDM或FKM	-

* 有不锈钢件及橡胶件等
- 非不锈钢件或没有提供参照
* With stainless steel parts or rubber parts
- Without stainless steel parts or any reference

IMV2;4;8;16



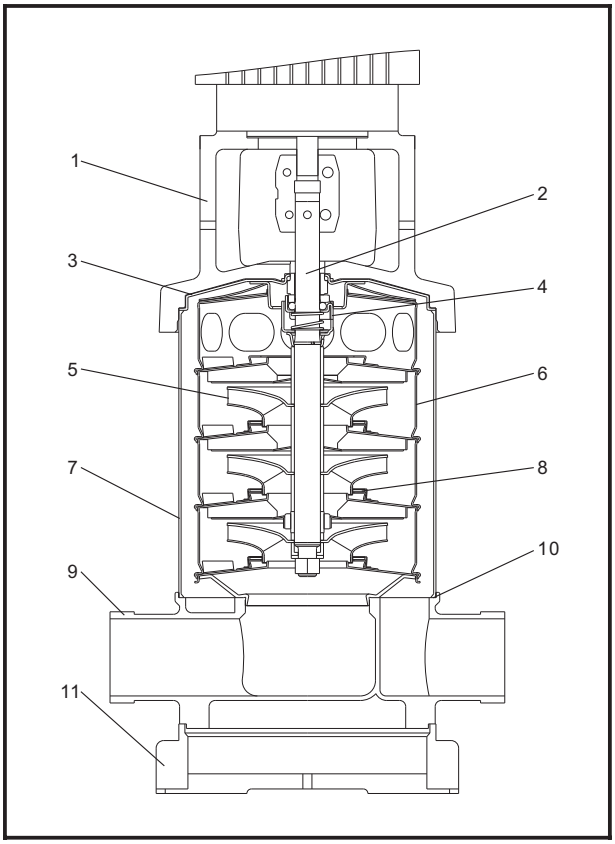
材料:IMV

Material：IMV

位置 Location	名称 Description	材料 Material	AISI/ASTM
1	电机座 Motor frame	铸铁 Casting	–
2	轴 Shaft	不锈钢 Stainless steel	AISI 316
4	轴封 Shaft seal	多种材料* Multiple materials	–
5	叶轮 Impeller	不锈钢 Stainless steel	AISI 304
6	腔体 Cavity	不锈钢 Stainless steel	AISI 304
7	外圆筒 Outer cylinder	不锈钢 Stainless steel	AISI 304
8	颈环 Neck ring	PTFE	–
9	泵座 Pump base	铸铁 Casting	–
10	外圆筒垫 O ring for outer cylinder	纤维纸 fibre paper	–
–	橡胶零件 Rubber parts	EPDM或FKM	–

* 有不锈钢件及橡胶件等
– 非不锈钢件或没有提供参照
*With stainless steel parts or rubber parts
–Without stainless steel parts or any reference

SMV2;4;8;16



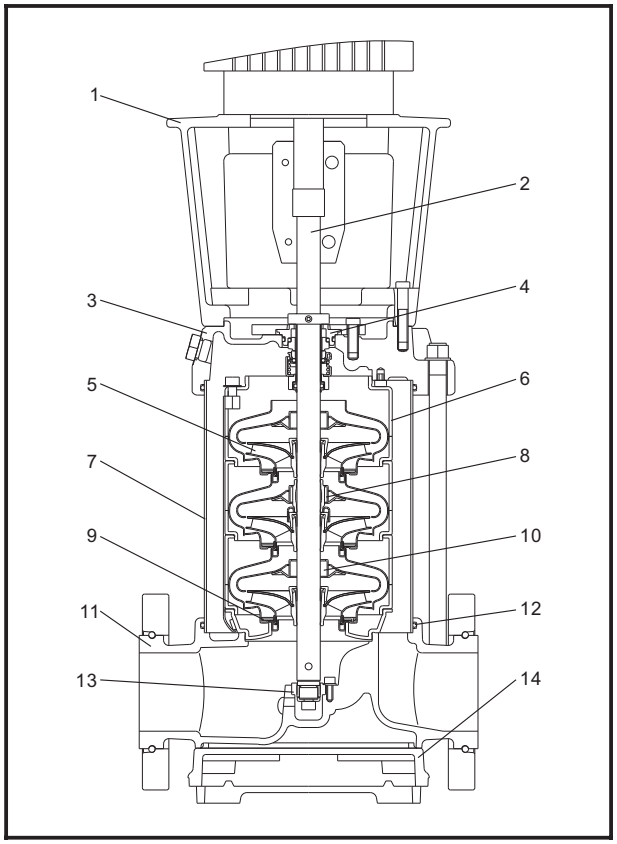
材料:SMV

Material：SMV

位置 Location	名称 Description	材料 Material	AISI/ASTM
1	电机座 Motor frame	铸铁 Casting	–
2	轴 Shaft	不锈钢 Stainless steel	AISI 316
3	衬盖 Sleeve	不锈钢 Stainless steel	AISI 304/316
4	轴封 Shaft seal	多种材料* Multiple materials	–
5	叶轮 Impeller	不锈钢 Stainless steel	AISI 304/316
6	腔体 Cavity	不锈钢 Stainless steel	AISI 304/316
7	外圆筒 Outer cylinder	不锈钢 Stainless steel	AISI 304/316
8	颈环 Neck ring	PTFE	–
9	泵座 Pump base	不锈钢 Stainless steel	AISI 304/316
10	外圆筒垫 O ring for outer cylinder	纤维纸 fibre paper	–
11	底板 Base plate	铸铁 Casting	–
–	橡胶零件 Rubber parts	EPDM或FKM	–

* 有不锈钢件及橡胶件等
– 非不锈钢件或没有提供参照
*With stainless steel parts or rubber parts
–Without stainless steel parts or any reference

IMV32;45;64;90



材料:IMV
Material：IMV

位置 Location	名称 Description	材料 Material	AISI/ASTM
1	电机座 Motor frame	铸铁 Casting	–
2	轴 Shaft	不锈钢 Stainless steel	AISI 431/316
3	泵头 Pump head	铸铁 Casting	–
4	轴封 Shaft seal	多种材料* Multiple materials	–
5	叶轮 Impeller	不锈钢 Stainless steel	AISI 304
6	腔体 Cavity	不锈钢 Stainless steel	AISI 304
7	外圆筒 Outer cylinder	不锈钢 Stainless steel	AISI 304
8	轴承 Bearing	–	–
9	颈环 Neck ring	石墨填充PTFE Graphite stuffing	–
10	轴承环 Bearing ring	–	–
11	泵座 Pump base	铸铁 Casting	–
12	外圆筒O形圈 O ring for outer cylinder	EPDM或FKM	–
13	下轴承 Lower bearing	TC	–
14	底板 Base plate	铸铁 Casting	–
–	橡胶零件 Rubber parts	EPDM或FKM	–

*有不锈钢件及橡胶件等
–非不锈钢件或没有提供参照
*With stainless steel parts or rubber parts
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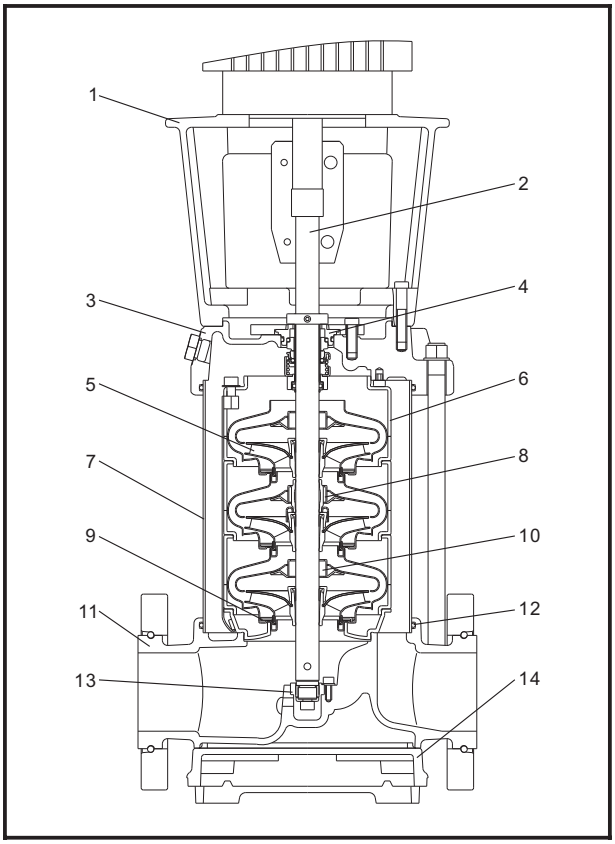
SMV32;45;64;90



材料:SMV
Material：SMV

位置 Location	名称 Description	材料 Material	AISI/ASTM
1	电机座 Motor frame	铸铁 Casting	–
2	轴 Shaft	不锈钢 Stainless steel	AISI 316
3	泵头 Pump head	不锈钢 Stainless steel	AISI 304/316
4	轴封 Shaft seal	多种材料* Multiple materials	–
5	叶轮 Impeller	不锈钢 Stainless steel	AISI 304/316
6	腔体 Cavity	不锈钢 Stainless steel	AISI 304/316
7	外圆筒 Outer cylinder	不锈钢 Stainless steel	AISI 304/316
8	轴承 Bearing	–	–
9	颈环 Neck ring	石墨填充PTFE Graphite stuffing	–
10	轴承环 Bearing ring	–	–
11	泵座 Pump base	不锈钢 Stainless steel	AISI 304/316
12	外圆筒O形圈 O ring for outer cylinder	EPDM或FKM	–
13	下轴承 Lower bearing	TC	–
14	底板 Base plate	铸铁 Casting	–
–	橡胶零件 Rubber parts	EPDM或FKM	–

*有不锈钢件及橡胶件等
–非不锈钢件或没有提供参照
*With stainless steel parts or rubber parts
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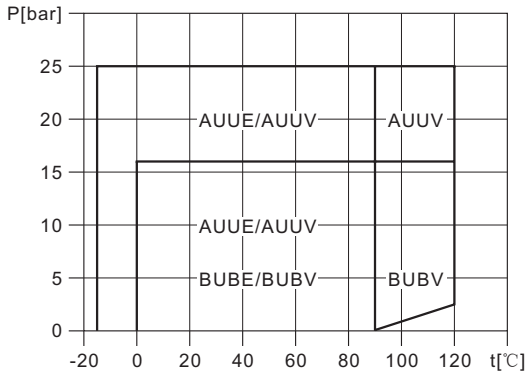
轴封的工作范围
Operating range of shaft seal

轴封的工作范围取决于工作压力、泵型号、轴封型号、液体介质及温度。对于非水液体必须考虑其对材料的化学作用。

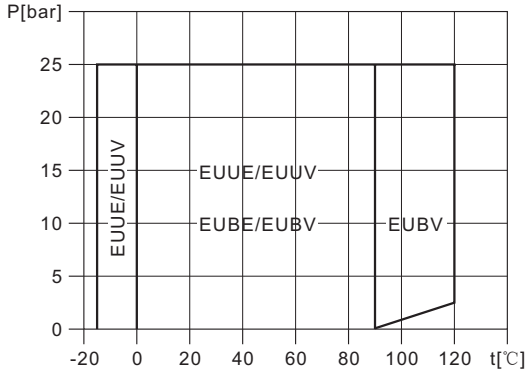
Operating range of shaft seal depends on working pressure, pump model, shaft seal type, liquid medium and temperature. For non-aqueous liquid its chemical effect on materials should be considered.

S(I)MV1-S(I)MV20



轴封 Shaft seal	最大压力[bar] Maximum pressure	最低温度[℃] Minimum temperature	最高温度[℃] Maximum temperature
AUUE	25	-15	+90
AUUV	25	-15	+120
BUBE	16	0	+90
BUBV	16	0	+120

S(I)MV32-S(I)MV150



轴封 Shaft seal	最大压力[bar] Maximum pressure	最低温度[℃] Minimum temperature	最高温度[℃] Maximum temperature
EUUE	25	-15	+90
EUUV	25	-15	+120
EUBE	25	0	+90
EUBV	25	0	+120

最大流量
Maximum flowrate

为防止泵在运行时过载而造成损坏和其它损失，本泵有其最大流量限制，详见后页的泵性能曲线的推荐用粗线段所示。

In order to avoid damage and other loss arisen from overload during operation, pump should be confined to maximum flowrate. For details, refer to recommended thick line shown in following pump performance curve.

最小流量
Minimum flowrate

为防止过热造成的危害，泵不能低于在最小流量下运行。

For preventing pump from damage caused by overheat it can't be operated below minimum flowrate.

泵型号 Pump type	最小流量 Minimum flowrate	
	80℃以下	80℃-120℃
S(I)MV1	0.1m^3/h	0.2m^3/h
S(I)MV2	0.2m^3/h	0.5m^3/h
S(I)MV3	0.3m^3/h	0.7m^3/h
S(I)MV4	0.4m^3/h	1.0m^3/h
S(I)MV5	0.5m^3/h	1.2m^3/h
S(I)MV8	0.8m^3/h	2.0m^3/h
S(I)MV10	1.0m^3/h	2.5m^3/h
S(I)MV15	1.5m^3/h	3.5m^3/h
S(I)MV16	1.6m^3/h	4.0m^3/h
S(I)MV20	2.0m^3/h	5.0m^3/h
S(I)MV32	3.2m^3/h	8.0m^3/h
S(I)MV45	4.5m^3/h	10.0m^3/h
S(I)MV64	6.4m^3/h	15.0m^3/h
S(I)MV90	9.0m^3/h	20.0m^3/h
S(I)MV120	12.0m^3/h	25.0m^3/h
S(I)MV150	15.0m^3/h	30.0m^3/h

友情提醒：为确保安全使用本泵，请确认泵已经在泵性能曲线的推荐用粗线段范围内使用！

Friendly suggestion: For ensuring pump to be safely operated, please confirm it is used within therange confined by therecommended thick line in pump performance curve!

最大工作压力
Maximum working pressure

泵型号 Pump type	最大工作压力 Maximum working pressure
S(I)MV1	25[bar]
S(I)MV2	25[bar]
S(I)MV3	25[bar]
S(I)MV4	25[bar]
S(I)MV5	25[bar]
S(I)MV8	25[bar]
S(I)MV10	25[bar]
S(I)MV15	25[bar]
S(I)MV16	25[bar]
S(I)MV20	25[bar]
S(I)MV32-1-1→S(I)MV32-7	16[bar]
S(I)MV32-8-2→S(I)MV32-12	25[bar]
S(I)MV32-13-2→S(I)MV32-14	40[bar]
S(I)MV45-1-1→S(I)MV45-5	16[bar]
S(I)MV45-6-2→S(I)MV45-9	25[bar]
S(I)MV45-10-2→S(I)MV45-13-2	40[bar]
S(I)MV64-1-1→S(I)MV64-5	16[bar]
S(I)MV64-6-2→S(I)MV64-8-1	25[bar]
S(I)MV90-1-1→S(I)MV90-4	16[bar]
S(I)MV90-5-2→S(I)MV90-6	25[bar]
S(I)MV120	25[bar]
S(I)MV150	25[bar]

最大进口压力
Maximum inlet pressure

下表为最大进口压力。但是，实际的进口压力与闭阀压力必须低于最大允许工作压力。

Maximum inlet pressure is shown in the following table. However, actual inlet pressure and closed valve pressure should be lower than maximum allowable working pressure.

泵型号 Pump type	最大进口压力 Maximum inlet pressure
S(I)MV1-2→S(I)MV1-8	6[bar]
S(I)MV1-9→S(I)MV1-36	10[bar]
S(I)MV2-2	6[bar]
S(I)MV2-3→S(I)MV2-11	10[bar]
S(I)MV2-12→S(I)MV2-26	15[bar]
S(I)MV3-2→S(I)MV3-5	6[bar]
S(I)MV3-6→S(I)MV3-29	10[bar]
S(I)MV3-31→S(I)MV3-36	15[bar]
S(I)MV4-2	6[bar]
S(I)MV4-3→S(I)MV4-10	10[bar]
S(I)MV4-11→S(I)MV4-22	15[bar]
S(I)MV5-2	6[bar]
S(I)MV5-3→S(I)MV5-16	10[bar]
S(I)MV5-18→S(I)MV5-36	15[bar]
S(I)MV8-2→S(I)MV8-6	6[bar]
S(I)MV8-7→S(I)MV8-20	10[bar]
S(I)MV10-1→S(I)MV10-6	8[bar]
S(I)MV10-7→S(I)MV10-22	10[bar]
S(I)MV15-1→S(I)MV15-3	8[bar]
S(I)MV15-4→S(I)MV15-17	10[bar]
S(I)MV16-2→S(I)MV16-3	6[bar]
S(I)MV16-4→S(I)MV16-16	10[bar]
S(I)MV20-1→S(I)MV20-3	8[bar]
S(I)MV20-4→S(I)MV20-17	10[bar]
S(I)MV32-1-1→S(I)MV32-2-2	3[bar]
S(I)MV32-2→S(I)MV32-4	4[bar]
S(I)MV32-5-2→S(I)MV32-10	10[bar]
S(I)MV32-11-2→S(I)MV32-14	15[bar]
S(I)MV45-1-1	3[bar]
S(I)MV45-1→S(I)MV45-2	4[bar]
S(I)MV45-3-2→S(I)MV45-4	10[bar]
S(I)MV45-5-2→S(I)MV45-13-2	15[bar]
S(I)MV64-1-1→S(I)MV64-2-2	4[bar]
S(I)MV64-2-1→S(I)MV64-3-1	10[bar]
S(I)MV64-3→S(I)MV64-8-1	15[bar]
S(I)MV90-1-1→S(I)MV90-1	4[bar]
S(I)MV90-2-2→S(I)MV90-2	10[bar]
S(I)MV90-3-2→S(I)MV90-6	15[bar]
S(I)MV120-1→S(I)MV120-2-1	10[bar]
S(I)MV120-2→S(I)MV120-5-1	15[bar]
S(I)MV120-6-1→S(I)MV120-7	20[bar]
S(I)MV150-1-1→S(I)MV150-1	10[bar]
S(I)MV150-2-1→S(I)MV150-4-2	15[bar]
S(I)MV150-5-2→S(I)MV150-6	20[bar]

工作压力和进口压力

工作压力和进口压力不能单独考虑，必须同时考虑并且满足。比如：

例1：
泵型号：SMV5-16 A-A-A
最大工作压力：16bar
最大进口压力：10bar
闭阀压力：10.6bar，见S(I)MV5-16性能曲线。

在这种条件下，在进口压力为10bar时不能起动该泵，因为10+10.6=20.6bar高于最大允许工作压力16bar，所以该泵进口压力必须低于5.4bar。实际允许进口压力为16-10.6=5.4bar。

例2：
泵型号：SMV5-2 A-A-A
最大工作压力：16bar
最大进口压力：6bar
闭阀压力：1.4bar，见S(I)MV5-2性能曲线。

在这种条件下，在进口压力为6bar时可以起动该泵。因其闭阀压力为1.4bar，则该泵的工作压力为6+1.4=7.4bar。相反地，泵的最大工作压力将被限制在7.4bar，因为更高的工作压力将高于进口压力6bar。

Working pressure and inlet pressure

Both working pressure and inlet pressure should be satisfied and can't be considered separately. For instance:
Example 1:
Pump type: SMV5-16 A-A-A
Max working pressure; 16bar
Max inlet pressure; 10bar
Closed valve pressure: 10.6bar,
Refer to S(I)MV5-16 performance curve

In this condition, when inlet pressure reaches 10bar, the pump can't be started for 10+10.6=20.6bar is higher than 16bar. Its inlet pressure must be below 5.4bar and actual allowable working pressure is 16-10.6=5.4bar.

Example 2:
Pump type: SMV5-2 A-A-A
Max working pressure; 16bar
Max inlet pressure; 6bar
Closed valve pressure: 1.4bar,
Refer to S(I)MV5-2 performance curve

In this condition, when inlet pressure reaches 6bar, the pump can be started. Since its closed valve pressure is 1.4bar. working pressure becomes 6+1.4=7.4bar. However, its maximum working pressure is confined to 7.4bar, which is higher than inlet pressure 6bar.

泵规格
泵型的选择应根据下述情况选择：
★使用点的流量压力；
★高度差带来的压力损失；
★管路摩擦损失；
★在工况点的最佳效率。

效率
如果泵总是在同一工作点运行，应选择的泵其工作点在最高效率点；如果消耗量或控制运行，选泵时应使最高效率点位于工作范围内。

材料
材料的选择应由所输送的液体介质来决定。产品有IMV、SMV可供选择。
★IMV适用于清洁、无腐蚀性的液体，如自来水，油等。
★SMV 与介质接触的所有零件均为不锈钢件。

连接
泵接口的选择与额定压力及管路有关。IMV、SMV，提供了多种接口，以满足不同需要。
★PI接口；
★PO接口；
★PJE接口；
★DIN法兰。

轴封
轴封选择必须考虑以下因素：
★介质类型；
★介质温度；
★最大压力。

工作压力和进口压力
检查压力条件是否满足要求：
★最大工作压力；
★最大进口压力。

Pump type
Pump type should be selected according to the following conditions:
*Flow pressure at working point;
*Pressure loss due to height difference;
*Loss due to piping friction;
*Optimal efficiency at working location.

Efficiency
When pump is always operated at the same working point, the pump should be selected with the highest efficient point; when pump has some loss or is operated under control, it should be selected to get the highest efficient point within operating range.

Material
Selection of material is depended on liquid medium to be transported. Products IMV and SMV are available for selection.
*IMV available for clean and non-corrosive liquid, e.g. Running water, oil etc.
*SMV contactable with medium and all parts are made of stainless steel.

Connection
Pump couplings are selected in relation to rated pressure and piping. IMV and SMV provide multiple couplings for meeting different requirements.
*PI coupling;
*PO coupling;
*PJE coupling;
*DIN flange.

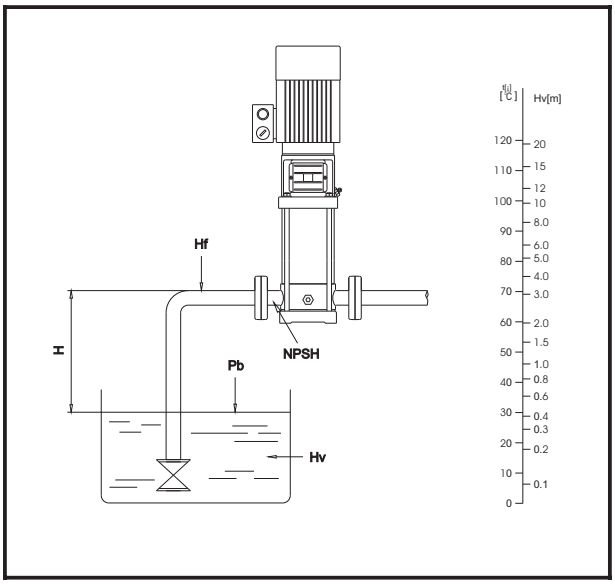
Shaft seal
Shaft seals are selected in consideration of the following factors:
*Medium type;
*Medium temperature;
*Maximum pressure.

Working pressure and inlet pressure
Examine to be satisfied with required conditions:
*Maximum working pressure
*Maximum inlet pressu

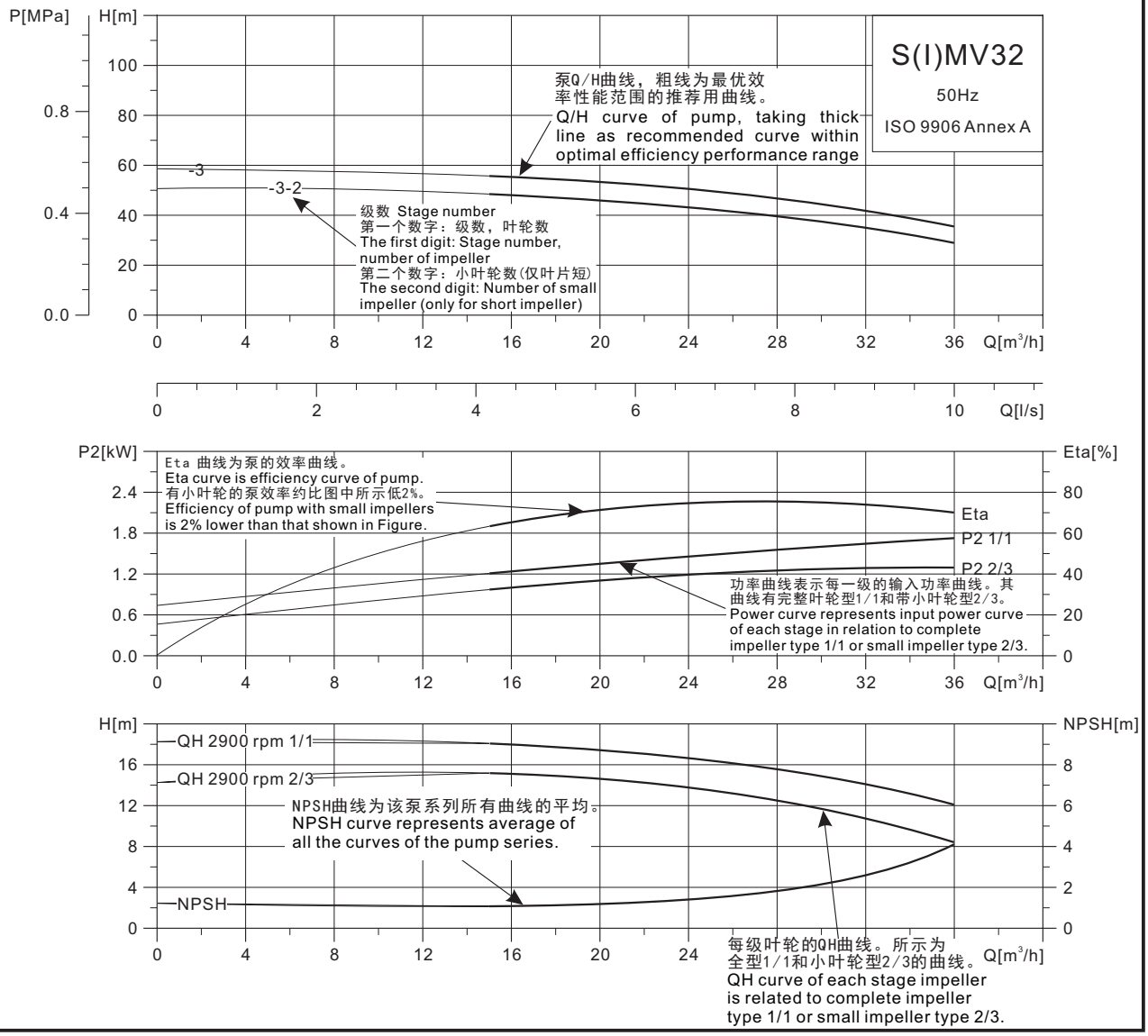
最小进口压力
在下列情况下应计算进口压力：
★液体温度较高；
★流量明显比额定值大；
★液体所需的吸程很大；
★进口管路很长；
★进口条件比较差。
泵最大吸程“H”可参考上图，按下式计算。
H = Pb × 10.2 - NPSH - Hf - Hv - Hs
Pb = 大气压力[bar]，大气压力可设定为1bar。
在闭式系统中，Pb为系统压力[bar]。
NPSH = 净正吸头[m]，从NPSH曲线上泵可能的最大流量处读取。
Hf = 入口的管路损失[m]，以泵可能的最大流量时计算。
Hv = 汽化压力[m]，可从上图汽化压力尺中读取。
Hs = 安全余量[m]，可取最小0.5m水头。
如计算所得“H”为正值，则泵可在最大吸程“H”情况下运行；如计算所得“H”为负值，则必须有一最小进口压力“H”m的水头。

Minimum inlet pressure
Inlet pressure should be calculated under the following conditions:
*Higher liquid temperature;
*Flowrate obviously greater than rated value;
*Suction head greater than that required by liquid;
*Longer inlet piping;
*Worse inletting condition.

Maximum suction head of pump referring to the following Figure can be calculated from the equation below.
H = Pb 10.2 - NPSH - Hf - Hv - Hs
Pb = Atmospheric pressure [bar], setting as 1 bar. In closed system Pb is system pressure [bar].
NPSH = Net positive suction head [m], read out from possible maximum flowrate of pump on NPSH curve.
Hf = Loss at inlet of piping [m], calculated from possible maximum flowrate of pump
Hv = Vaporized pressure [m], read out from vaporized pressure ruler in the above Figure.
Hs = Safety margin [m], taken as minimum 0.5 water head.
When the calculated "H" is a positive value, pump can be operated under maximum suction head "H"; when the calculated value "H" is negative, a water head with minimum inlet pressure "H" m is required.



性能曲线说明
Description of performance curves

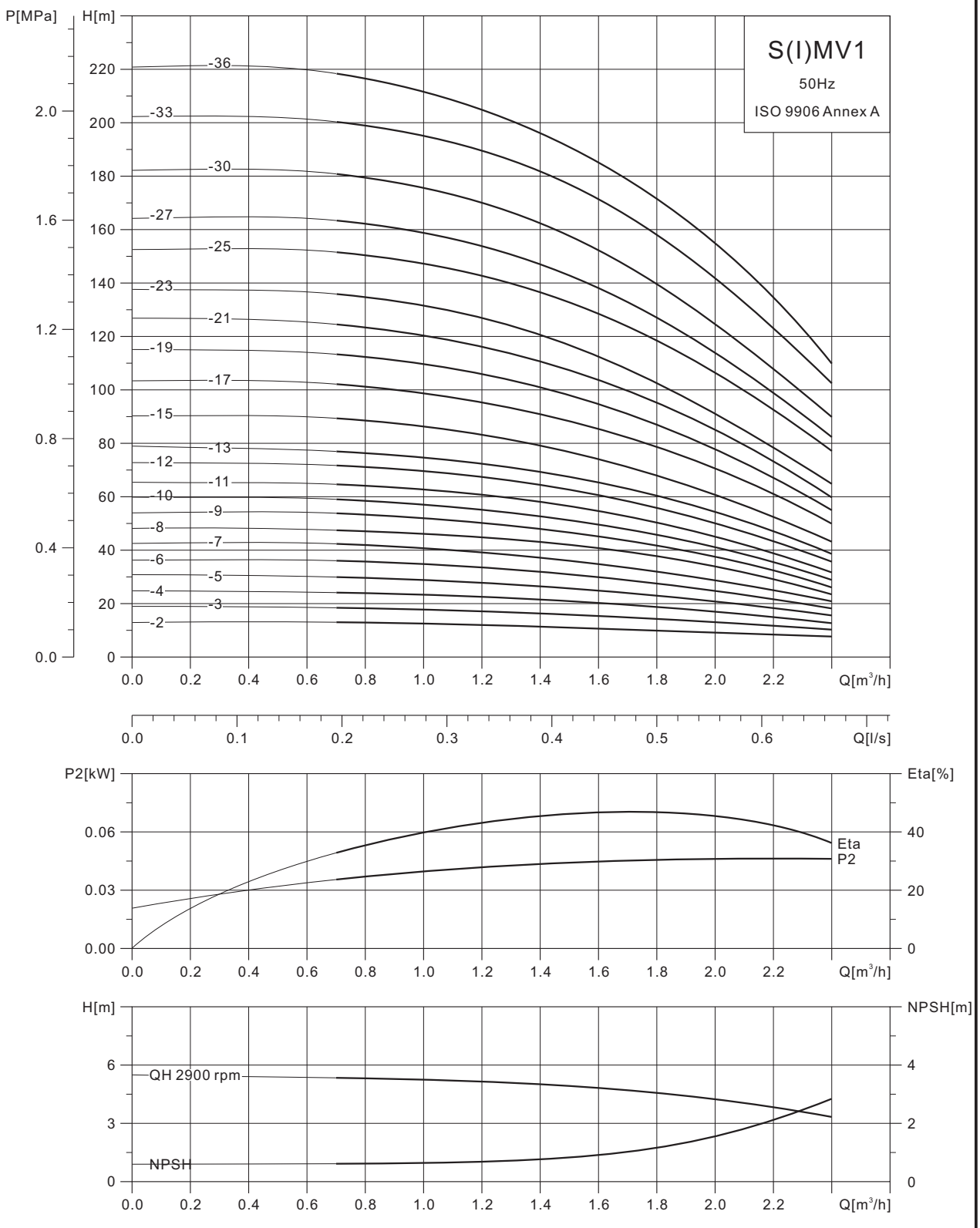


性能曲线说明

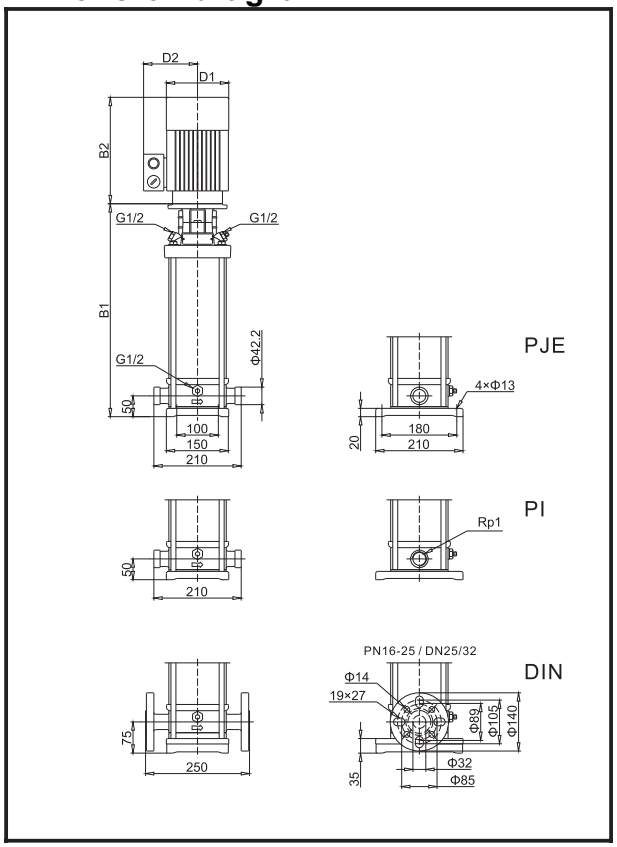
下述说明适用于后面所示的曲线：
1. 所有曲线都是基于3×380-415、50Hz，电机在恒速2900rpm的测量值。
2. 测量采用20℃，不含有空气的水。
3. 曲线适用于运动粘度v=1mm²/s的介质。
4. 曲线偏差按ISO9906，Annex A。
5. 泵的使用请参照性能曲线推荐用粗线段，为防止流量过小或过大而发生危险。

Description of performance curves

Following description is applicable for the curves shown later:
1. All the curves are based on measured values of motors 3×380-415,50Hz，at constant speed 2900rpm.
2. 20℃water without air is used for measurement.
3. The curves are applicable for medium with moving viscosity of v = 1mm²/s.
4. Curve deviation is conformed to ISO9906，Annex A.
5. For avoiding damage caused by over or less flow rate, pump should be used in reference to recommended thick line in performance curve.


S(I)MV1
50Hz
ISO 9906 Annex A
P[MPa]
H[m]
-36
-33
-30
-27
-25
-23
-21
-19
-17
-15
-13
-12
-11
-10
-9
-8
-7
-6
-5
-4
-3
-2
Q[m³/h]
Q[l/s]
P2[kW]
Eta[%]
Eta
P2
H[m]
NPSH[m]
QH 2900 rpm
NPSH

尺寸图
Dimension diagram



电气数据 3×380-415V
Electrical data

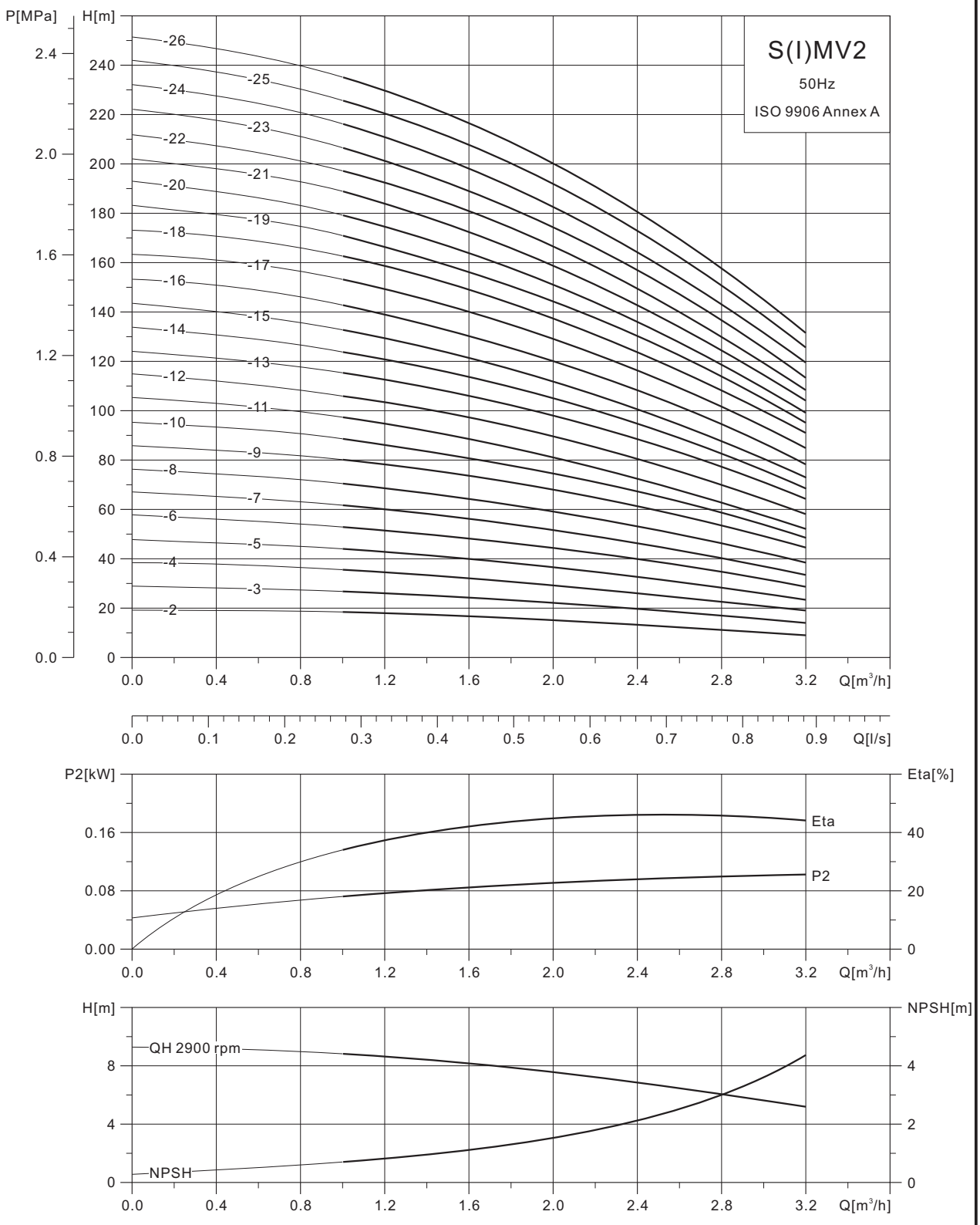
泵型号 Pump type	电机 Motor [kW]	电机 Motor [hp]	功率因素COSφ Power factor
S(I)MV1-2	0.37	0.50	0.81
S(I)MV1-3	0.37	0.50	0.81
S(I)MV1-4	0.37	0.50	0.81
S(I)MV1-5	0.37	0.50	0.81
S(I)MV1-6	0.37	0.50	0.81
S(I)MV1-7	0.37	0.50	0.81
S(I)MV1-8	0.55	0.75	0.82
S(I)MV1-9	0.55	0.75	0.82
S(I)MV1-10	0.55	0.75	0.82
S(I)MV1-11	0.55	0.75	0.82
S(I)MV1-12	0.75	1.0	0.83
S(I)MV1-13	0.75	1.0	0.83
S(I)MV1-15	0.75	1.0	0.83
S(I)MV1-17	1.1	1.5	0.85
S(I)MV1-19	1.1	1.5	0.85
S(I)MV1-21	1.1	1.5	0.85
S(I)MV1-23	1.1	1.5	0.85
S(I)MV1-25	1.5	2.0	0.84
S(I)MV1-27	1.5	2.0	0.84
S(I)MV1-30	1.5	2.0	0.84
S(I)MV1-33	2.2	3.0	0.84
S(I)MV1-36	2.2	3.0	0.84

尺寸和重量
Dimensions and weight

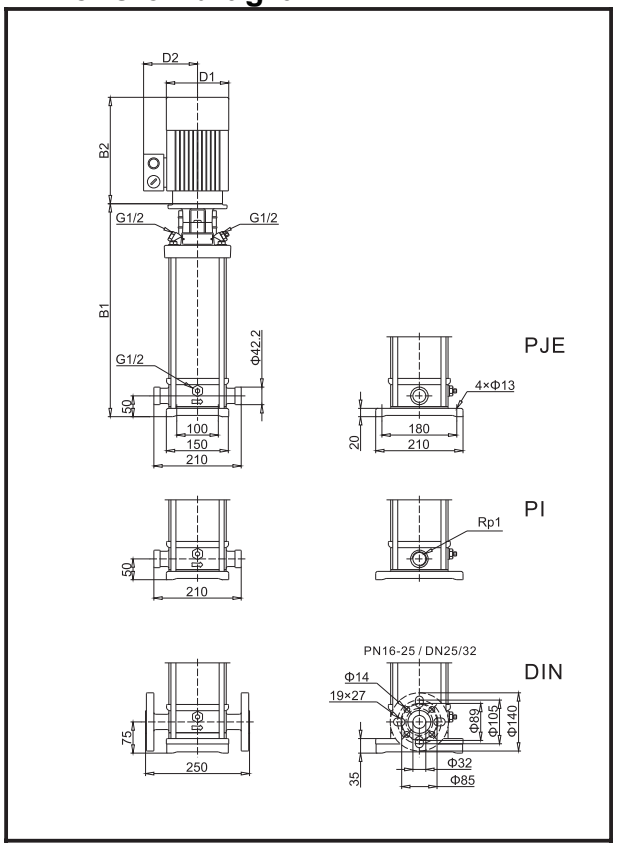
泵型号 Pump type	尺寸[mm]Dimension B1	B2	B1+B2	D1	D2	重量[kg] Weight
S(I)MV1-2	279	220	499	140	110	23
S(I)MV1-3	279	220	499	140	110	23
S(I)MV1-4	297	220	517	140	110	23
S(I)MV1-5	315	220	535	140	110	23
S(I)MV1-6	333	220	553	140	110	23
S(I)MV1-7	351	220	571	140	110	24
S(I)MV1-8	369	220	589	140	110	25
S(I)MV1-9	387	220	607	140	110	26
S(I)MV1-10	405	220	625	140	110	26
S(I)MV1-11	423	220	643	140	110	27
S(I)MV1-12	447	250	697	160	125	29
S(I)MV1-13	465	250	715	160	125	29
S(I)MV1-15	501	250	751	160	125	30
S(I)MV1-17	537	250	787	160	125	32
S(I)MV1-19	573	250	823	160	125	32
S(I)MV1-21	609	250	859	160	125	33
S(I)MV1-23	645	250	895	160	125	34
S(I)MV1-25	697	290	987	180	125	41
S(I)MV1-27	733	290	1023	180	125	41
S(I)MV1-30	787	290	1077	180	125	43
S(I)MV1-33	841	290	1131	180	125	46
S(I)MV1-36	895	290	1185	180	125	48

注：表格中所示B1尺寸为DIN法兰型泵座的尺寸，其余类型泵座的B1尺寸，在此尺寸上减去25。

Note: B1 dimensions shown in Table are for DIN flange type pump base. For other type pump 25 should be subtracted from B1 dimensions.


S(I)MV2
50Hz
ISO 9906 Annex A
P[MPa]
H[m]
-26
-25
-24
-23
-22
-21
-20
-19
-18
-17
-16
-15
-14
-13
-12
-11
-10
-9
-8
-7
-6
-5
-4
-3
-2
Q[m³/h]
Q[l/s]
P2[kW]
Eta[%]
Eta
P2
H[m]
NPSH[m]
QH 2900 rpm
NPSH

尺寸图
Dimension diagram



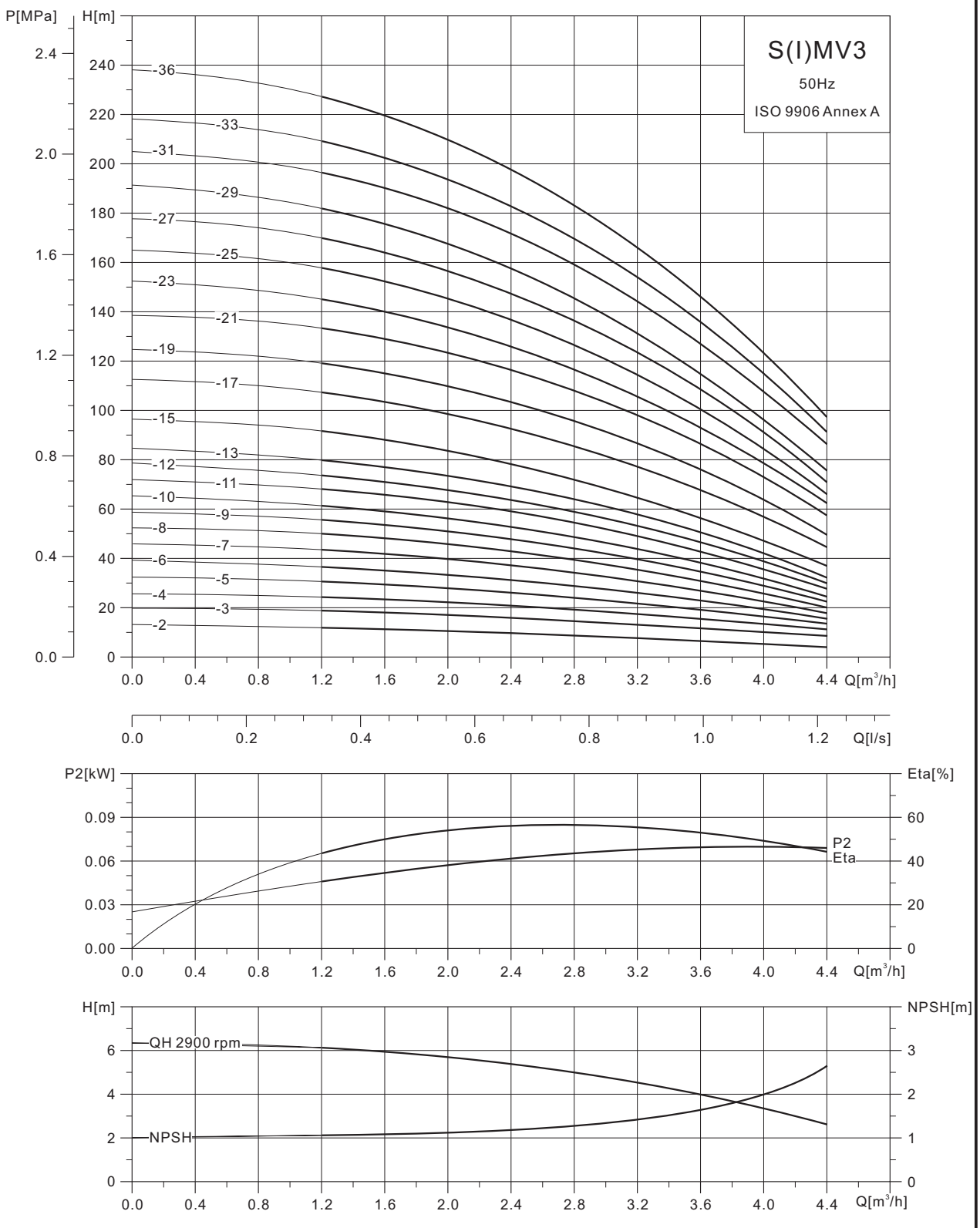
电气数据 3×380-415V
Electrical data

泵型号 Pump type	电机 Motor		功率因素COSφ Power factor
	[kW]	[hp]	
S(I)MV2-2	0.37	0.50	0.81
S(I)MV2-3	0.37	0.50	0.81
S(I)MV2-4	0.55	0.75	0.82
S(I)MV2-5	0.55	0.75	0.82
S(I)MV2-6	0.75	1.0	0.83
S(I)MV2-7	0.75	1.0	0.83
S(I)MV2-8	1.1	1.5	0.85
S(I)MV2-9	1.1	1.5	0.85
S(I)MV2-10	1.1	1.5	0.85
S(I)MV2-11	1.1	1.5	0.85
S(I)MV2-12	1.5	2.0	0.84
S(I)MV2-13	1.5	2.0	0.84
S(I)MV2-14	1.5	2.0	0.84
S(I)MV2-15	1.5	2.0	0.84
S(I)MV2-16	2.2	3.0	0.84
S(I)MV2-17	2.2	3.0	0.84
S(I)MV2-18	2.2	3.0	0.84
S(I)MV2-19	2.2	3.0	0.84
S(I)MV2-20	2.2	3.0	0.84
S(I)MV2-21	2.2	3.0	0.84
S(I)MV2-22	2.2	3.0	0.84
S(I)MV2-23	3.0	4.0	0.87
S(I)MV2-24	3.0	4.0	0.87
S(I)MV2-25	3.0	4.0	0.87
S(I)MV2-26	3.0	4.0	0.87

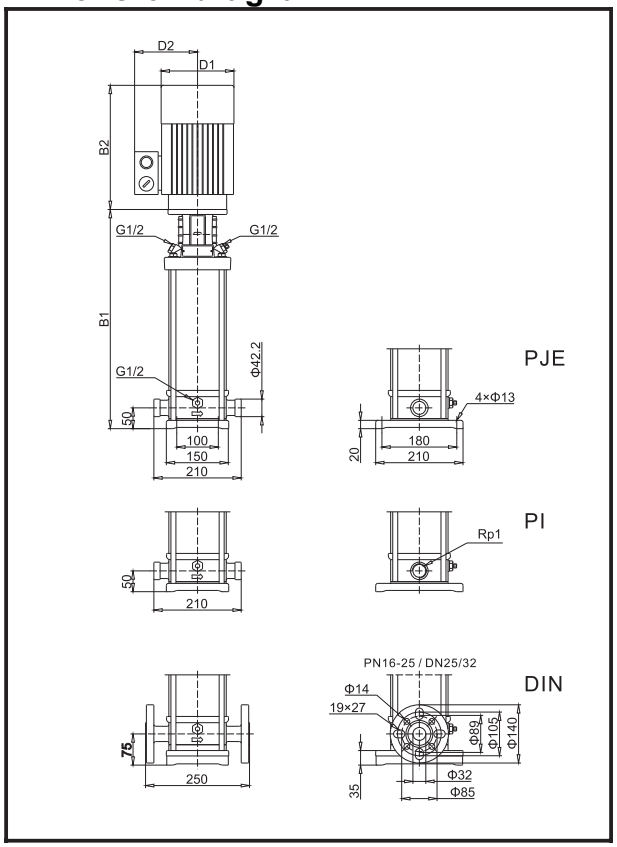
尺寸和重量
Dimensions and weight

泵型号 Pump type	尺寸[mm]Dimension					重量[kg] Weight
	B1	B2	B1+B2	D1	D2	
S(I)MV2-2	245	220	465	140	110	20
S(I)MV2-3	263	220	483	140	110	21
S(I)MV2-4	281	220	501	140	110	23
S(I)MV2-5	299	220	519	140	110	24
S(I)MV2-6	322	250	572	160	125	25
S(I)MV2-7	340	250	590	160	125	27
S(I)MV2-8	358	250	608	160	125	28
S(I)MV2-9	376	250	626	160	125	29
S(I)MV2-10	394	250	644	160	125	30
S(I)MV2-11	412	250	662	160	125	31
S(I)MV2-12	447	290	737	180	125	32
S(I)MV2-13	465	290	755	180	125	33
S(I)MV2-14	483	290	773	180	125	34
S(I)MV2-15	501	290	791	180	125	35
S(I)MV2-16	519	290	809	180	125	49
S(I)MV2-17	537	290	827	180	125	50
S(I)MV2-18	555	290	845	180	125	51
S(I)MV2-19	573	290	863	180	125	52
S(I)MV2-20	591	290	881	180	125	53
S(I)MV2-21	609	290	899	180	125	54
S(I)MV2-22	627	290	917	180	125	55
S(I)MV2-23	653	330	983	190	140	57
S(I)MV2-24	671	330	1001	190	140	58
S(I)MV2-25	689	330	1019	190	140	59
S(I)MV2-26	707	330	1037	190	140	60

注：表格中所示B1尺寸为DIN法兰型泵座的尺寸，其余类型泵座的B1尺寸，在此尺寸上减去25。
Note: B1 dimensions shown in Table are for DIN flange type pump base. For other type pump 25 should be subtracted from B1 dimensions.


S(I)MV3
50Hz
ISO 9906 Annex A
P[MPa]
H[m]
-36
-33
-31
-29
-27
-25
-23
-21
-19
-17
-15
-13
-12
-11
-10
-9
-8
-7
-6
-5
-4
-3
-2
Q[m³/h]
Q[l/s]
P2[kW]
Eta[%]
P2
Eta
H[m]
QH 2900 rpm
NPSH
NPSH[m]

尺寸图
Dimension diagram



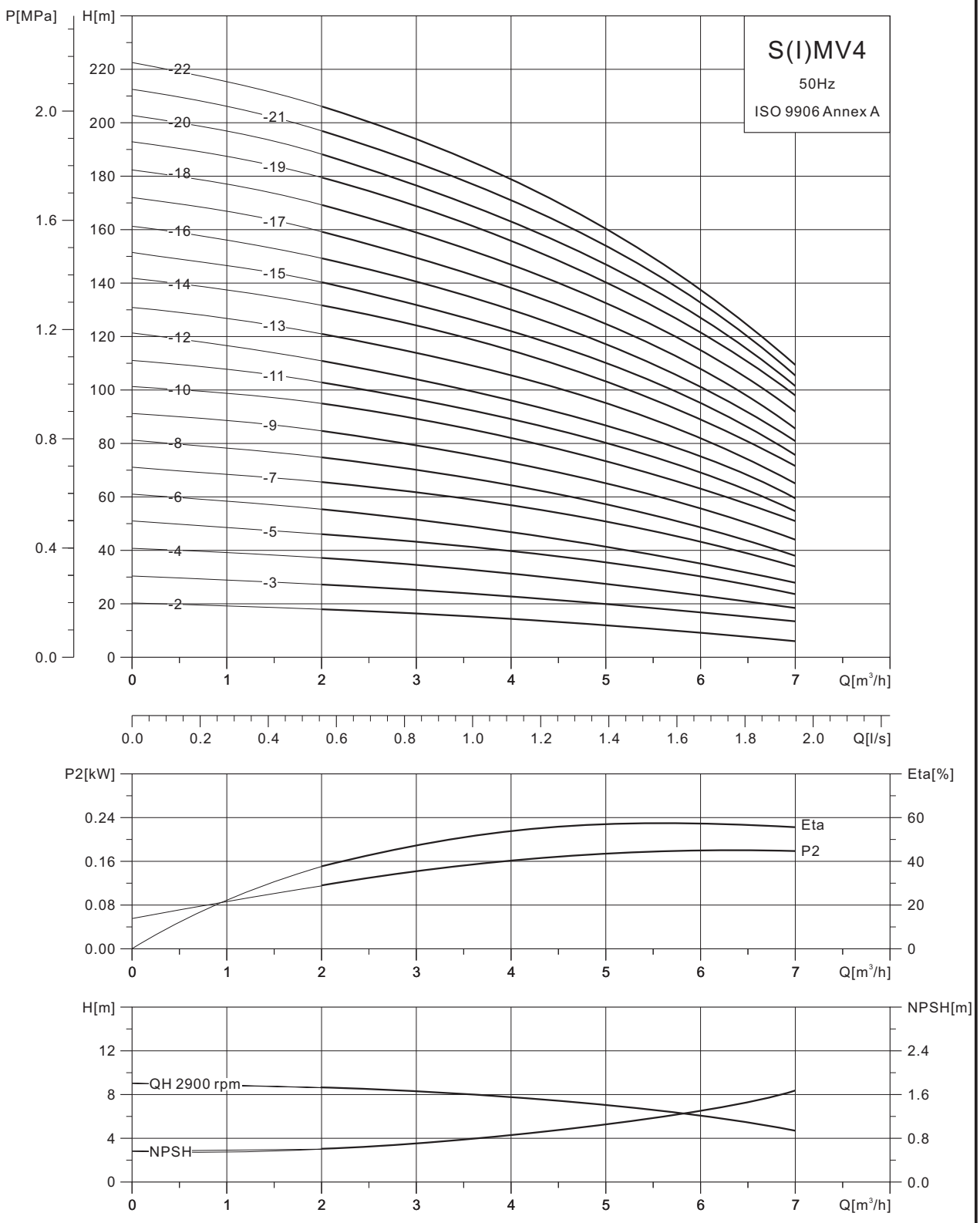
电气数据 3×380-415V
Electrical data

泵型号 Pump type	电机 Motor		功率因素COSφ Power factor
	[kW]	[hp]	
S(I)MV3-2	0.37	0.50	0.81
S(I)MV3-3	0.37	0.50	0.81
S(I)MV3-4	0.37	0.50	0.81
S(I)MV3-5	0.37	0.50	0.81
S(I)MV3-6	0.55	0.75	0.82
S(I)MV3-7	0.55	0.75	0.82
S(I)MV3-8	0.75	1.0	0.83
S(I)MV3-9	0.75	1.0	0.83
S(I)MV3-10	0.75	1.0	0.83
S(I)MV3-11	1.1	1.5	0.85
S(I)MV3-12	1.1	1.5	0.85
S(I)MV3-13	1.1	1.5	0.85
S(I)MV3-15	1.1	1.5	0.85
S(I)MV3-17	1.5	2.0	0.84
S(I)MV3-19	1.5	2.0	0.84
S(I)MV3-21	2.2	3.0	0.84
S(I)MV3-23	2.2	3.0	0.84
S(I)MV3-25	2.2	3.0	0.84
S(I)MV3-27	2.2	3.0	0.84
S(I)MV3-29	2.2	3.0	0.84
S(I)MV3-31	3.0	4.0	0.87
S(I)MV3-33	3.0	4.0	0.87
S(I)MV3-36	3.0	4.0	0.87

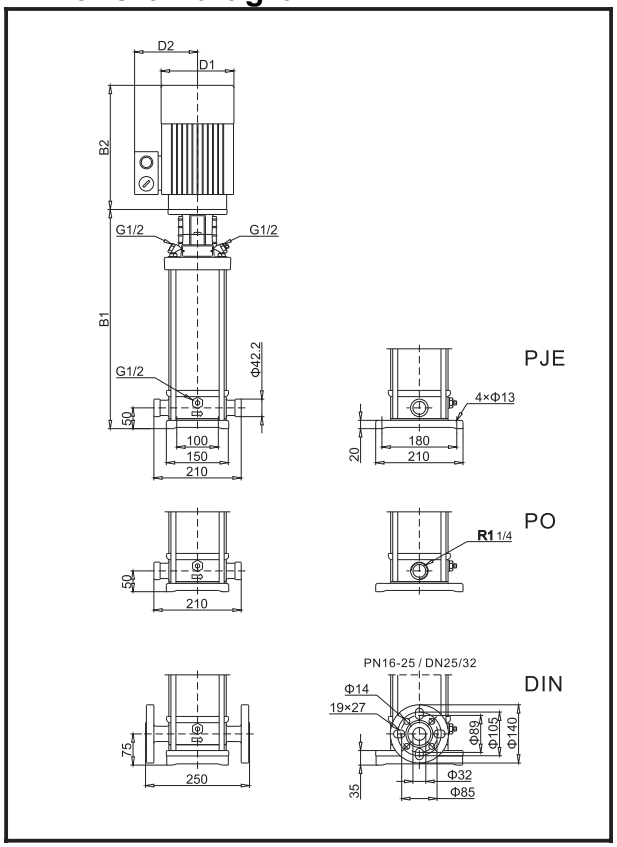
尺寸和重量
Dimensions and weight

泵型号 Pump type	尺寸[mm]Dimension					重量[kg] Weight
	B1	B2	B1+B2	D1	D2	
S(I)MV3-2	279	220	499	140	110	23
S(I)MV3-3	279	220	499	140	110	23
S(I)MV3-4	297	220	517	140	110	23
S(I)MV3-5	315	220	535	140	110	23
S(I)MV3-6	333	220	553	140	110	24
S(I)MV3-7	351	220	571	140	110	24
S(I)MV3-8	375	250	625	160	125	27
S(I)MV3-9	393	250	643	160	125	27
S(I)MV3-10	411	250	661	160	125	28
S(I)MV3-11	429	250	679	160	125	30
S(I)MV3-12	447	250	697	160	125	30
S(I)MV3-13	465	250	715	160	125	30
S(I)MV3-15	501	250	751	160	125	31
S(I)MV3-17	553	290	843	180	125	37
S(I)MV3-19	589	290	879	180	125	38
S(I)MV3-21	625	290	915	180	125	41
S(I)MV3-23	661	290	951	180	125	42
S(I)MV3-25	697	290	987	180	125	43
S(I)MV3-27	733	290	1023	180	125	43
S(I)MV3-29	769	290	1059	180	125	44
S(I)MV3-31	809	330	1139	190	140	51
S(I)MV3-33	845	330	1175	190	140	51
S(I)MV3-36	899	330	1229	190	140	53

注：表格中所示B1尺寸为DIN法兰型泵座的尺寸，其余类型泵座的B1尺寸，在此尺寸上减去25。
Note: B1 dimensions shown in Table are for DIN flange type pump base. For other type pump 25 should be subtracted from B1 dimensions.


S(I)MV4
50Hz
ISO 9906 Annex A
P[MPa]
H[m]
-22
-21
-20
-19
-18
-17
-16
-15
-14
-13
-12
-11
-10
-9
-8
-7
-6
-5
-4
-3
-2
Q[m³/h]
Q[l/s]
P2[kW]
Eta[%]
Eta
P2
H[m]
NPSH[m]
QH 2900 rpm
NPSH

尺寸图
Dimension diagram



电气数据 3×380-415V
Electrical data

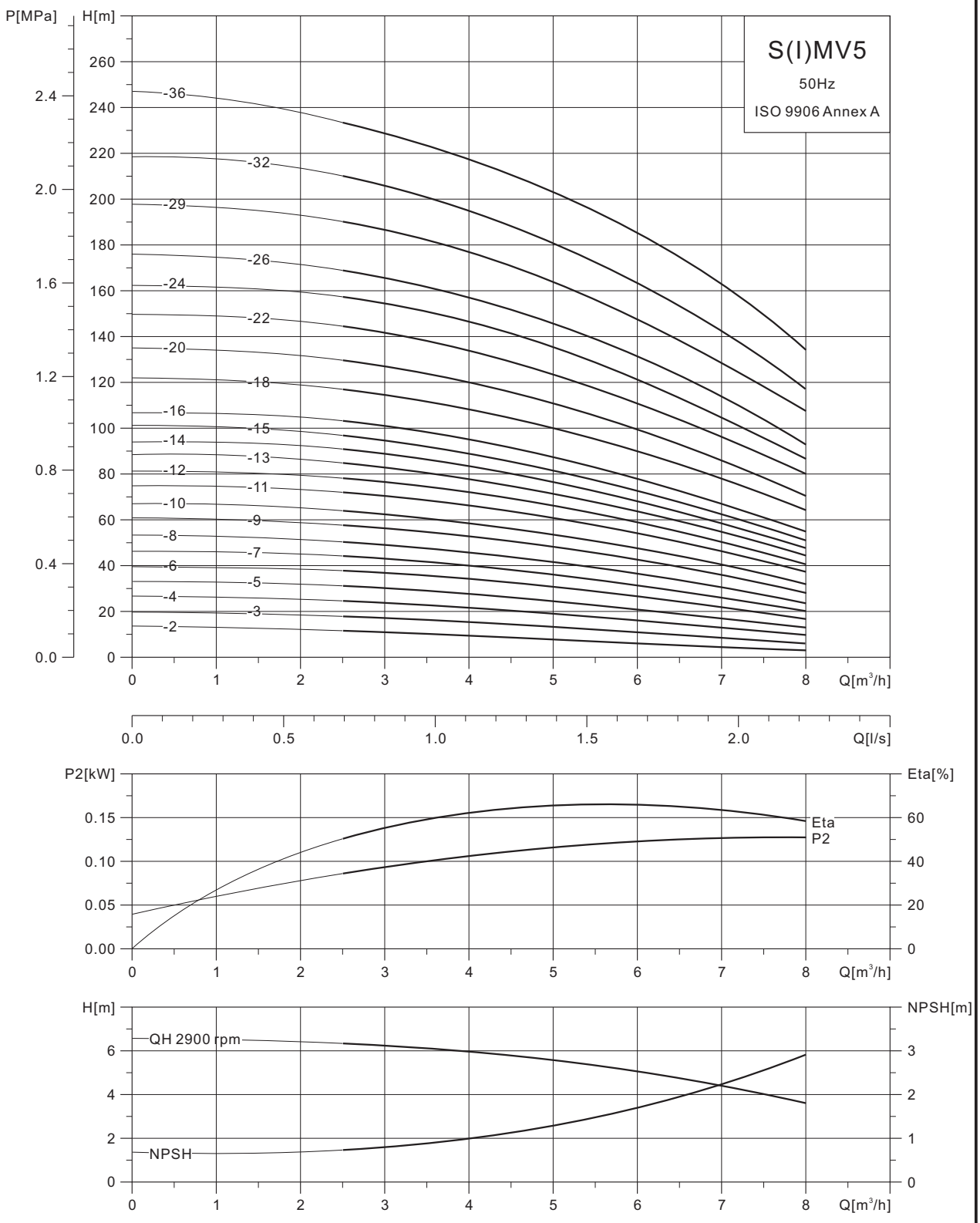
泵型号 Pump type	电机 Motor		功率因素COSφ Power factor
	[kW]	[hp]	
S(I)MV4-2	0.37	0.50	0.81
S(I)MV4-3	0.55	0.75	0.82
S(I)MV4-4	0.75	1.0	0.83
S(I)MV4-5	1.1	1.5	0.85
S(I)MV4-6	1.1	1.5	0.85
S(I)MV4-7	1.5	2.0	0.84
S(I)MV4-8	1.5	2.0	0.84
S(I)MV4-9	2.2	3.0	0.84
S(I)MV4-10	2.2	3.0	0.84
S(I)MV4-11	2.2	3.0	0.84
S(I)MV4-12	2.2	3.0	0.84
S(I)MV4-13	3.0	4.0	0.87
S(I)MV4-14	3.0	4.0	0.87
S(I)MV4-15	3.0	4.0	0.87
S(I)MV4-16	3.0	4.0	0.87
S(I)MV4-17	4.0	5.5	0.88
S(I)MV4-18	4.0	5.5	0.88
S(I)MV4-19	4.0	5.5	0.88
S(I)MV4-20	4.0	5.5	0.88
S(I)MV4-21	4.0	5.5	0.88
S(I)MV4-22	4.0	5.5	0.88

尺寸和重量
Dimensions and weight

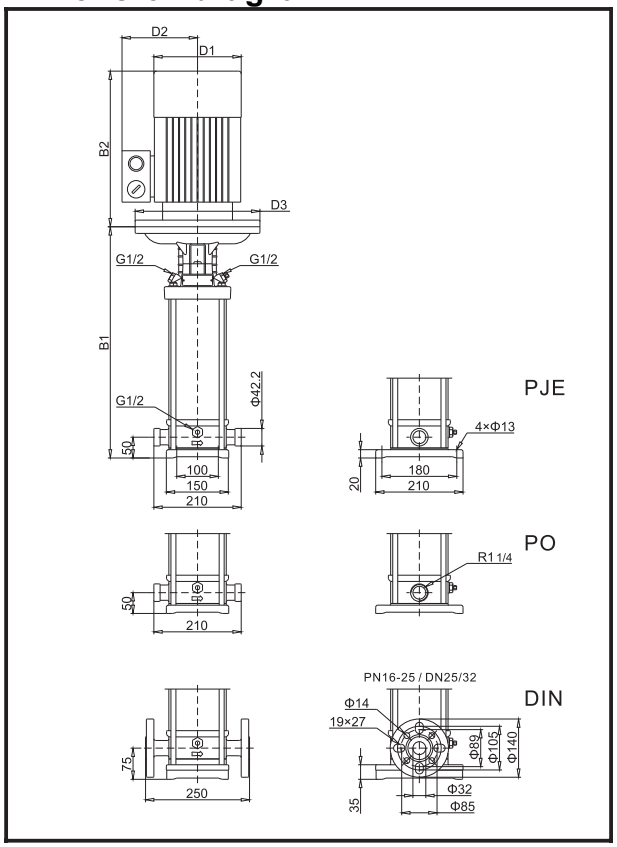
泵型号 Pump type	尺寸[mm]Dimension					重量[kg] Weight
	B1	B2	B1+B2	D1	D2	
S(I)MV4-2	263	220	483	140	110	20
S(I)MV4-3	290	220	510	140	110	21
S(I)MV4-4	322	250	572	160	125	23
S(I)MV4-5	349	250	599	160	125	24
S(I)MV4-6	376	250	626	160	125	25
S(I)MV4-7	420	290	710	180	125	29
S(I)MV4-8	447	290	737	180	125	30
S(I)MV4-9	474	290	764	180	125	32
S(I)MV4-10	501	290	791	180	125	33
S(I)MV4-11	528	290	818	180	125	34
S(I)MV4-12	555	290	845	180	125	35
S(I)MV4-13	590	330	920	190	140	47
S(I)MV4-14	617	330	947	190	140	48
S(I)MV4-15	644	330	974	190	140	49
S(I)MV4-16	671	330	1001	190	140	50
S(I)MV4-17	698	330	1028	220	150	60
S(I)MV4-18	725	330	1055	220	150	61
S(I)MV4-19	752	330	1082	220	150	62
S(I)MV4-20	779	330	1109	220	150	63
S(I)MV4-21	806	330	1136	220	150	64
S(I)MV4-22	833	330	1163	220	150	65

注：表格中所示B1尺寸为DIN法兰型泵座的尺寸，其余类型泵座的B1尺寸，在此尺寸上减去25。

Note: B1 dimensions shown in Table are for DIN flange type pump base. For other type pump 25 should be subtracted from B1 dimensions.


S(I)MV5
50Hz
ISO 9906 Annex A
P[MPa]
H[m]
-36
-32
-29
-26
-24
-22
-20
-18
-16
-15
-14
-13
-12
-11
-10
-9
-8
-7
-6
-5
-4
-3
-2
Q[m³/h]
Q[l/s]
P2[kW]
Eta[%]
Eta
P2
H[m]
QH 2900 rpm
NPSH
NPSH[m]

尺寸图
Dimension diagram



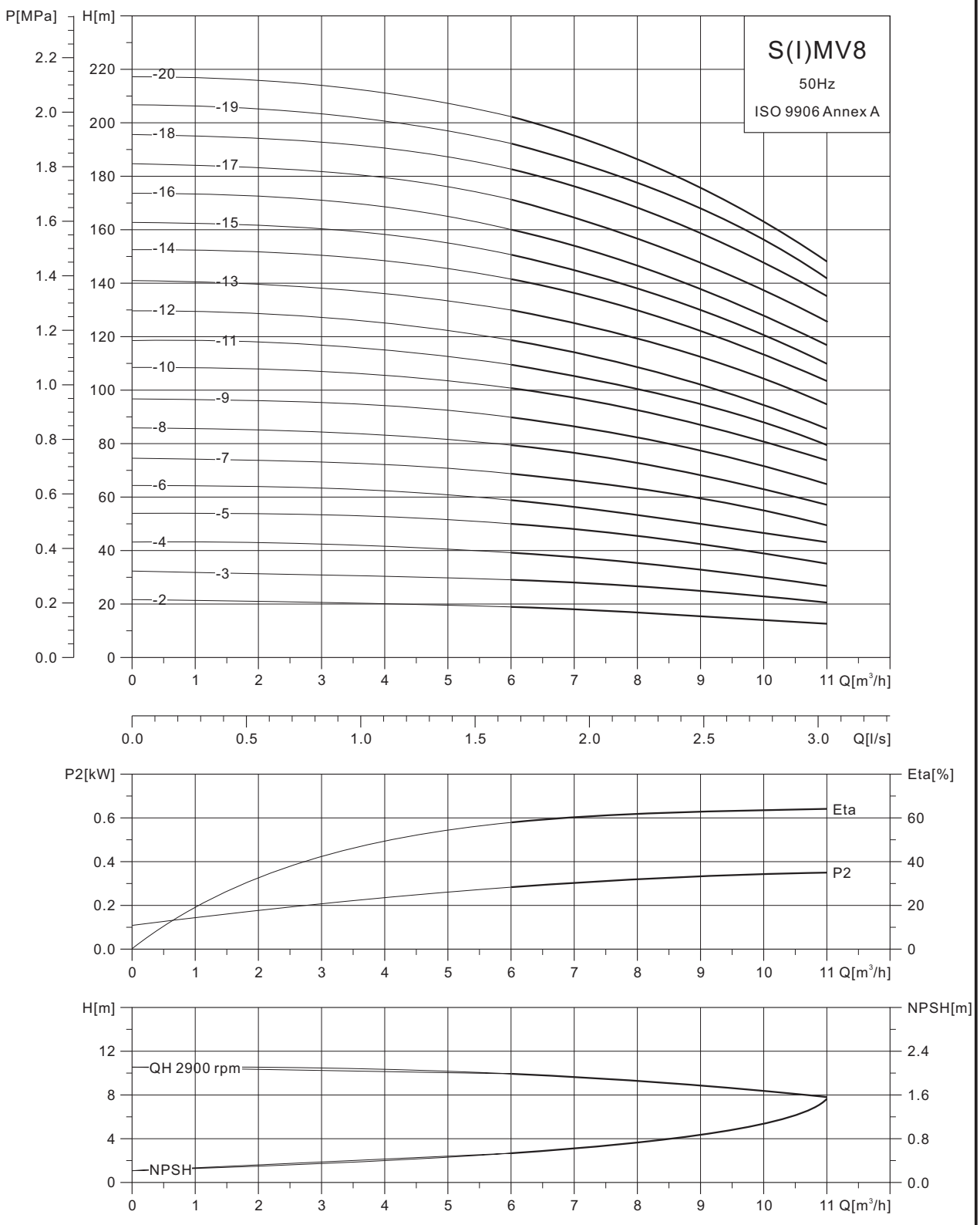
电气数据 3×380-415V
Electrical data

泵型号 Pump type	电机 Motor		功率因素COSφ Power factor
	[kW]	[hp]	
S(I)MV5-2	0.37	0.50	0.81
S(I)MV5-3	0.55	0.75	0.82
S(I)MV5-4	0.55	0.75	0.82
S(I)MV5-5	0.75	1.0	0.83
S(I)MV5-6	1.1	1.5	0.85
S(I)MV5-7	1.1	1.5	0.85
S(I)MV5-8	1.1	1.5	0.85
S(I)MV5-9	1.5	2.0	0.84
S(I)MV5-10	1.5	2.0	0.84
S(I)MV5-11	2.2	3.0	0.84
S(I)MV5-12	2.2	3.0	0.84
S(I)MV5-13	2.2	3.0	0.84
S(I)MV5-14	2.2	3.0	0.84
S(I)MV5-15	2.2	3.0	0.84
S(I)MV5-16	2.2	3.0	0.84
S(I)MV5-18	3.0	4.0	0.87
S(I)MV5-20	3.0	4.0	0.87
S(I)MV5-22	4.0	5.5	0.88
S(I)MV5-24	4.0	5.5	0.88
S(I)MV5-26	4.0	5.5	0.88
S(I)MV5-29	4.0	5.5	0.88
S(I)MV5-32	5.5	7.5	0.88
S(I)MV5-36	5.5	7.5	0.88

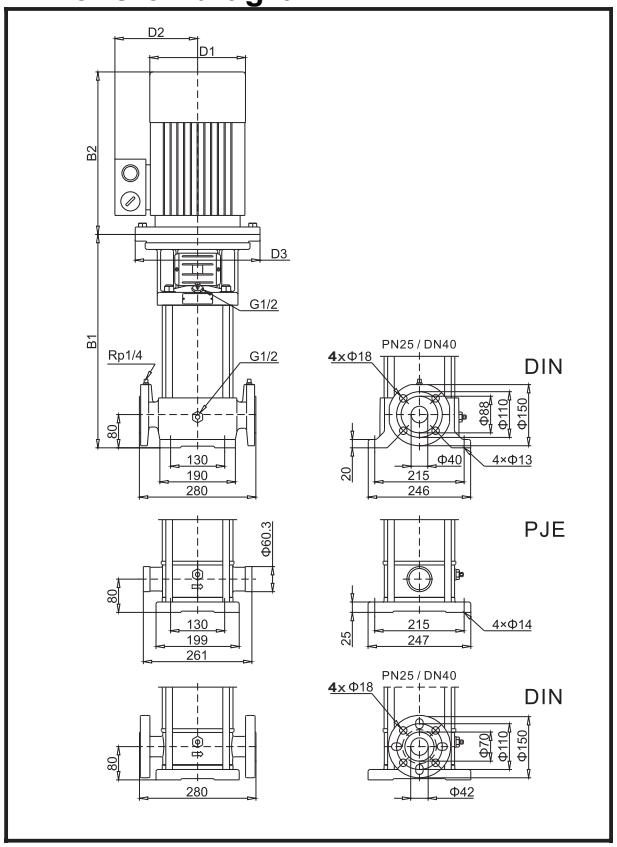
尺寸和重量
Dimensions and weight

泵型号 Pump type	尺寸[mm]Dimension						重量[kg] Weight
	B1	B2	B1+B2	D1	D2	D3	
S(I)MV5-2	279	220	499	140	110	-	23
S(I)MV5-3	306	220	526	140	110	-	23
S(I)MV5-4	333	220	553	140	110	-	24
S(I)MV5-5	366	250	616	160	125	-	27
S(I)MV5-6	393	250	643	160	125	-	29
S(I)MV5-7	420	250	670	160	125	-	29
S(I)MV5-8	447	250	697	160	125	-	30
S(I)MV5-9	490	290	780	180	125	-	37
S(I)MV5-10	517	290	807	180	125	-	37
S(I)MV5-11	544	290	834	180	125	-	39
S(I)MV5-12	571	290	861	180	125	-	40
S(I)MV5-13	598	290	888	180	125	-	40
S(I)MV5-14	625	290	915	180	125	-	41
S(I)MV5-15	652	290	942	180	125	-	42
S(I)MV5-16	679	290	969	180	125	-	42
S(I)MV5-18	737	330	1067	190	140	-	49
S(I)MV5-20	791	330	1121	190	140	-	50
S(I)MV5-22	845	330	1175	220	150	-	60
S(I)MV5-24	899	330	1229	220	150	-	62
S(I)MV5-26	953	330	1283	220	150	-	63
S(I)MV5-29	1034	330	1364	220	150	-	65
S(I)MV5-32	1145	420	1565	260	210	300	80
S(I)MV5-36	1253	420	1673	260	210	300	83

注：表格中所示B1尺寸为DIN法兰型泵座的尺寸，其余类型泵座的B1尺寸，在此尺寸上减去25。
Note: B1 dimensions shown in Table are for DIN flange type pump base. For other type pump 25 should be subtracted from B1 dimensions.


S(I)MV8
50Hz
ISO 9906 Annex A
P[MPa]
H[m]
-20
-19
-18
-17
-16
-15
-14
-13
-12
-11
-10
-9
-8
-7
-6
-5
-4
-3
-2
Q[m³/h]
Q[l/s]
P2[kW]
Eta[%]
Eta
P2
H[m]
NPSH[m]
QH 2900 rpm
NPSH

尺寸图
Dimension diagram

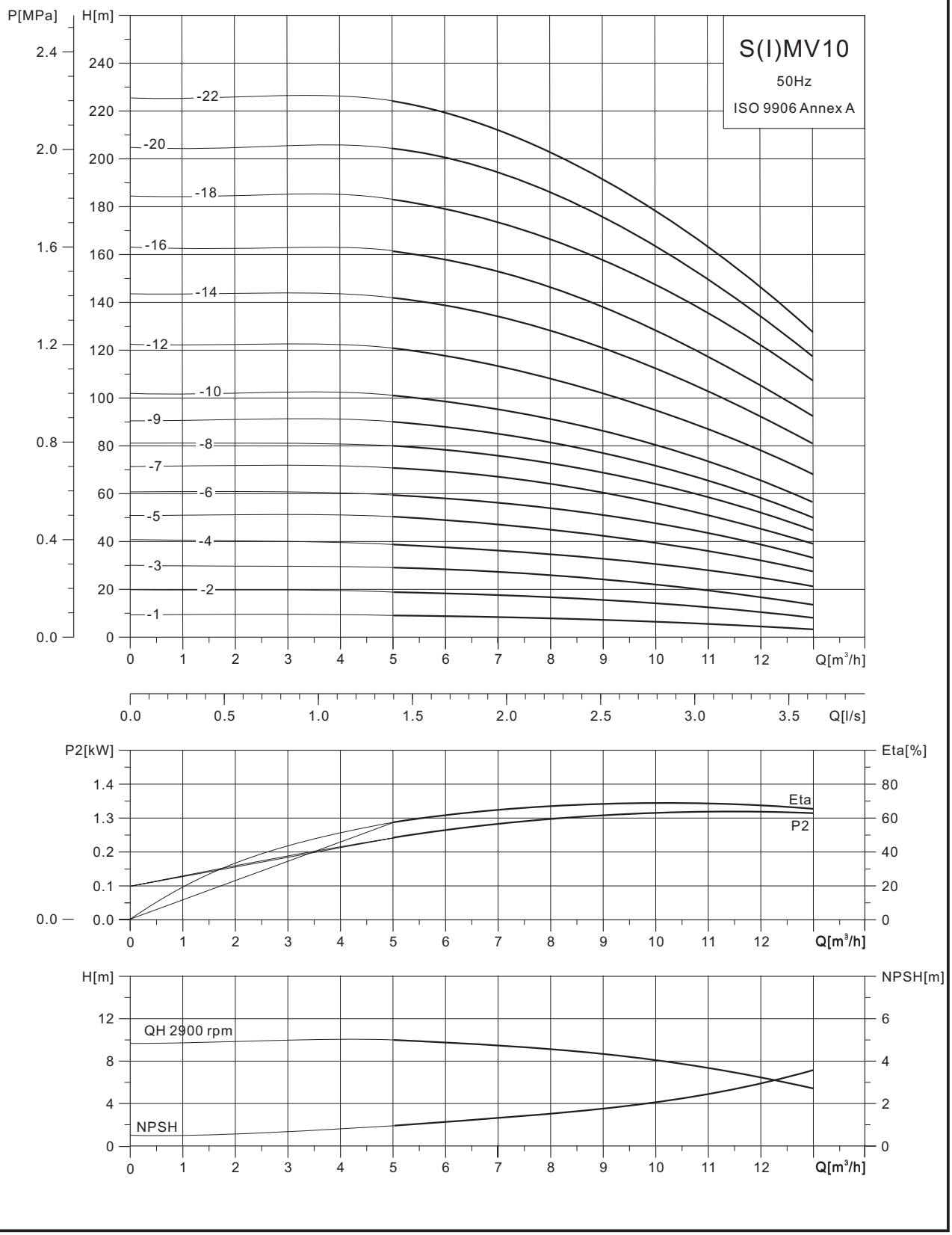


电气数据 3×380-415V
Electrical data

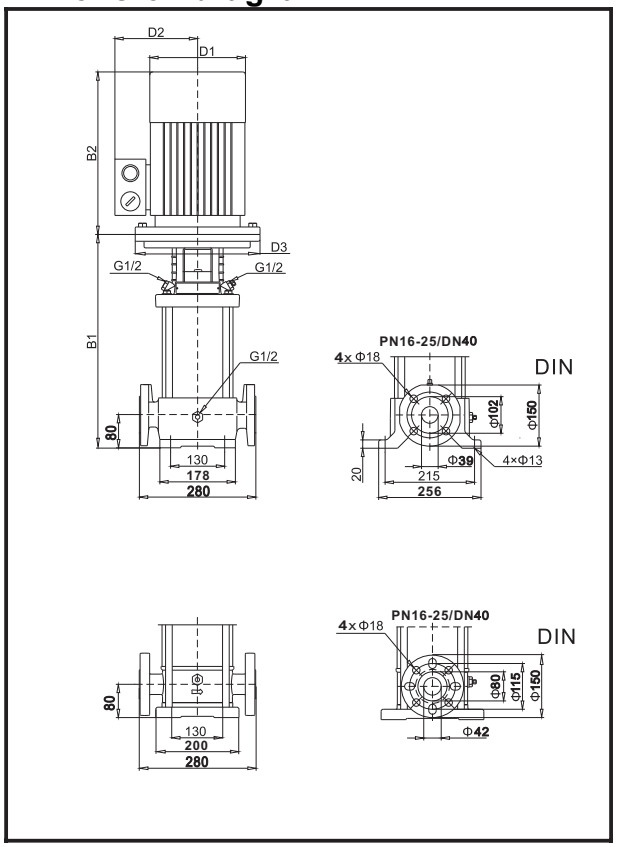
泵型号 Pump type	电机 Motor		功率因素COSφ Power factor
	[kW]	[hp]	
S(I)MV8-2	0.75	1.0	0.83
S(I)MV8-3	1.1	1.5	0.85
S(I)MV8-4	1.5	2.0	0.84
S(I)MV8-5	2.2	3.0	0.84
S(I)MV8-6	2.2	3.0	0.84
S(I)MV8-7	3.0	4.0	0.87
S(I)MV8-8	3.0	4.0	0.87
S(I)MV8-9	4.0	5.5	0.88
S(I)MV8-10	4.0	5.5	0.88
S(I)MV8-11	4.0	5.5	0.88
S(I)MV8-12	4.0	5.5	0.88
S(I)MV8-13	5.5	7.5	0.88
S(I)MV8-14	5.5	7.5	0.88
S(I)MV8-15	5.5	7.5	0.88
S(I)MV8-16	5.5	7.5	0.88
S(I)MV8-17	7.5	10	0.88
S(I)MV8-18	7.5	10	0.88
S(I)MV8-19	7.5	10	0.88
S(I)MV8-20	7.5	10	0.88

尺寸和重量
Dimensions and weight

泵型号 Pump type	尺寸[mm]Dimension						重量[kg] Weight
	B1	B2	B1+B2	D1	D2	D3	
S(I)MV8-2	355	250	605	160	125	-	35
S(I)MV8-3	385	250	635	160	125	-	35
S(I)MV8-4	427	290	717	180	125	-	45
S(I)MV8-5	457	290	747	180	125	-	50
S(I)MV8-6	487	290	777	180	125	-	50
S(I)MV8-7	523	330	853	190	140	-	55
S(I)MV8-8	553	330	883	190	140	-	55
S(I)MV8-9	583	330	913	220	150	-	55
S(I)MV8-10	613	330	943	220	150	-	55
S(I)MV8-11	643	330	973	220	150	-	60
S(I)MV8-12	673	330	1003	220	150	-	60
S(I)MV8-13	720	420	1140	260	210	300	85
S(I)MV8-14	750	420	1170	260	210	300	85
S(I)MV8-15	780	420	1200	260	210	300	85
S(I)MV8-16	810	420	1230	260	210	300	85
S(I)MV8-17	840	420	1260	260	210	300	90
S(I)MV8-18	870	420	1290	260	210	300	90
S(I)MV8-19	900	420	1320	260	210	300	90
S(I)MV8-20	930	420	1350	260	210	300	90


S(I)MV10
50Hz
ISO 9906 Annex A
P[MPa]
H[m]
-22
-20
-18
-16
-14
-12
-10
-9
-8
-7
-6
-5
-4
-3
-2
-1
Q[m³/h]
Q[l/s]
P2[kW]
Eta[%]
Eta
P2
Q[m³/h]
H[m]
NPSH[m]
QH 2900 rpm
NPSH
Q[m³/h]

尺寸图
Dimension diagram

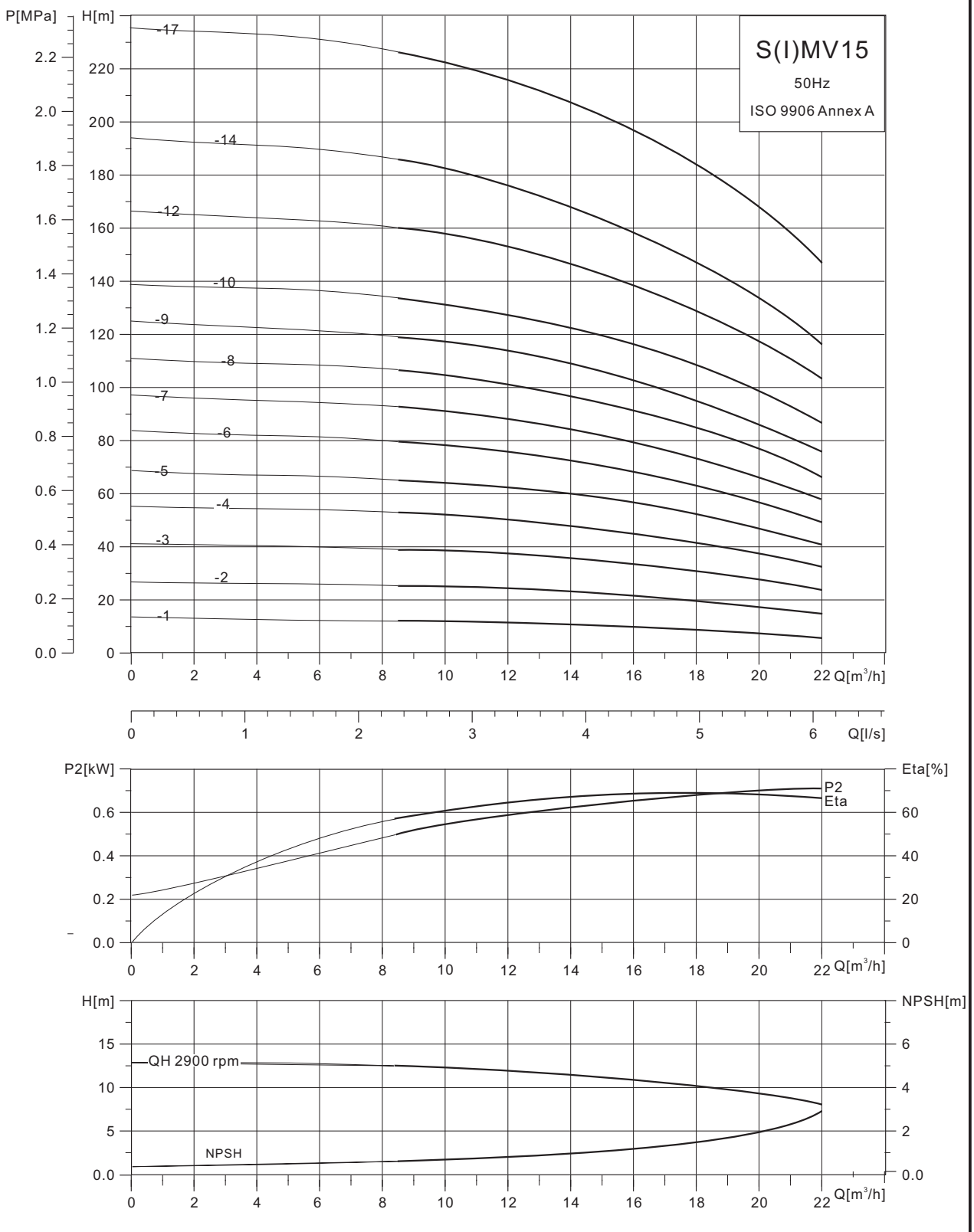


电气数据 3×380-415V
Electrical data

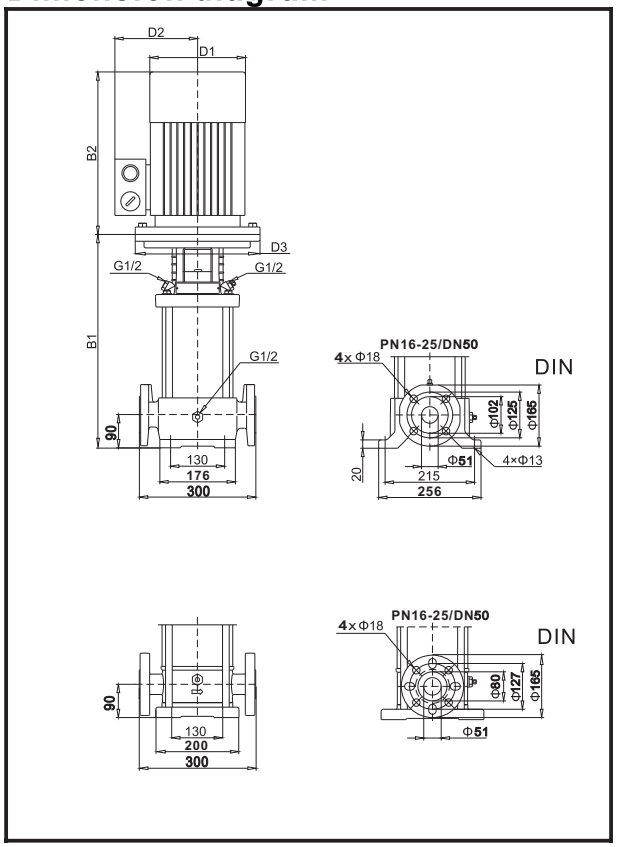
泵型号 Pump type	电机 Motor		功率因素COSφ Power factor
	[kW]	[hp]	
S(I)MV10-1	0.37	0.50	0.81
S(I)MV10-2	0.75	1.0	0.83
S(I)MV10-3	1.1	1.5	0.85
S(I)MV10-4	1.5	2.0	0.84
S(I)MV10-5	2.2	3.0	0.84
S(I)MV10-6	2.2	3.0	0.84
S(I)MV10-7	3.0	4.0	0.87
S(I)MV10-8	3.0	4.0	0.87
S(I)MV10-9	3.0	1.0	0.87
S(I)MV10-10	4.0	5.5	0.88
S(I)MV10-12	4.0	5.5	0.88
S(I)MV10-14	5.5	7.5	0.88
S(I)MV10-16	5.5	7.5	0.88
S(I)MV10-18	7.5	10	0.88
S(I)MV10-20	7.5	10	0.88
S(I)MV10-22	7.5	10	0.88

尺寸和重量
Dimensions and weight

泵型号 Pump type	尺寸[mm]Dimension						重量[kg] Weight
	B1	B2	B1+B2	D1	D2	D3	
S(I)MV10-1	343	220	563	140	110	-	34
S(I)MV10-2	347	250	597	160	125	-	36
S(I)MV10-3	377	250	627	160	125	-	39
S(I)MV10-4	423	290	713	180	125	-	47
S(I)MV10-5	453	290	743	180	125	-	49
S(I)MV10-6	483	290	773	180	125	-	50
S(I)MV10-7	518	330	848	190	140	-	55
S(I)MV10-8	548	330	878	190	140	-	56
S(I)MV10-9	578	330	908	190	140	-	57
S(I)MV10-10	608	330	938	220	150	-	69
S(I)MV10-12	668	330	998	220	150	-	71
S(I)MV10-14	760	420	1180	260	210	300	94
S(I)MV10-16	820	420	1240	260	210	300	96
S(I)MV10-18	880	420	1300	260	210	300	101
S(I)MV10-20	940	420	1360	260	210	300	103
S(I)MV10-22	1000	420	1420	260	210	300	105


S(I)MV15
50Hz
ISO 9906 Annex A
P[MPa]
H[m]
-17
-14
-12
-10
-9
-8
-7
-6
-5
-4
-3
-2
-1
Q[m³/h]
Q[l/s]
P2[kW]
Eta[%]
P2
Eta
H[m]
NPSH[m]
QH 2900 rpm
NPSH

尺寸图
Dimension diagram

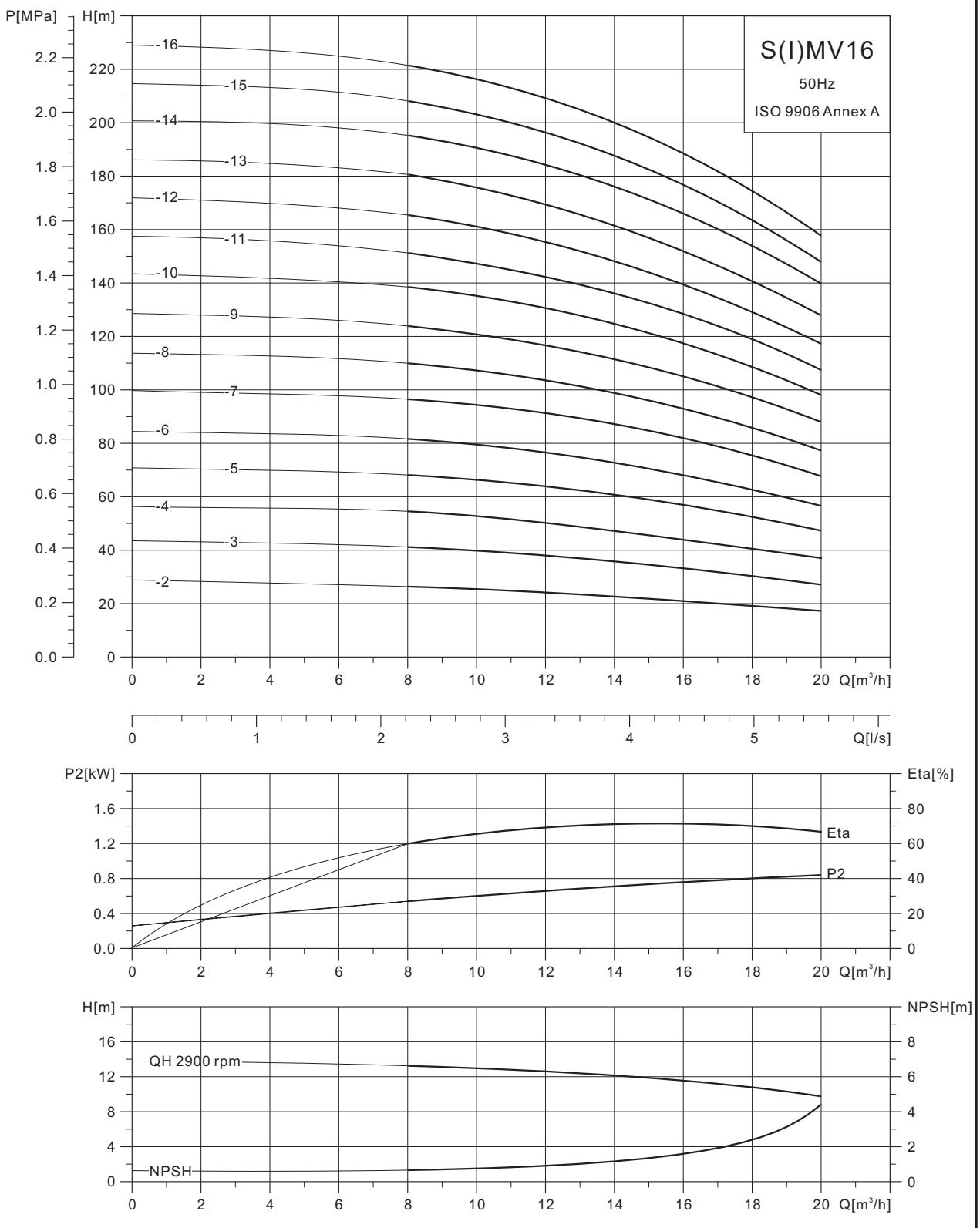


电气数据 3×380-415V
Electrical data

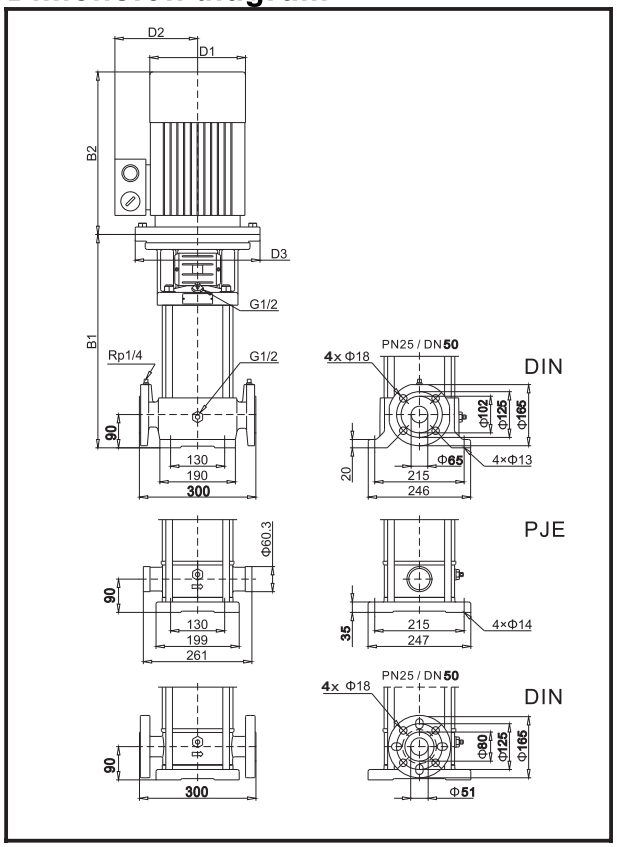
泵型号 Pump type	电机 Motor		功率因素COSφ Power factor
	[kW]	[hp]	
S(I)MV15-1	1.1	1.5	0.85
S(I)MV15-2	2.2	3.0	0.84
S(I)MV15-3	3.0	4.0	0.87
S(I)MV15-4	4.0	5.5	0.88
S(I)MV15-5	4.0	5.5	0.88
S(I)MV15-6	5.5	7.5	0.88
S(I)MV15-7	5.5	7.5	0.88
S(I)MV15-8	7.5	10	0.88
S(I)MV15-9	7.5	10	0.88
S(I)MV15-10	11	15	0.89
S(I)MV15-12	11	15	0.89
S(I)MV15-14	11	15	0.89
S(I)MV15-17	15	20	0.90

尺寸和重量
Dimensions and weight

泵型号 Pump type	尺寸[mm]Dimension						重量[kg] Weight
	B1	B2	B1+B2	D1	D2	D3	
S(I)MV15-1	400	250	650	160	125	-	42
S(I)MV15-2	415	290	705	180	125	-	50
S(I)MV15-3	465	330	795	190	140	-	55
S(I)MV15-4	510	330	840	220	150	-	68
S(I)MV15-5	555	330	885	220	150	-	69
S(I)MV15-6	632	420	1052	260	210	300	91
S(I)MV15-7	677	420	1097	260	210	300	93
S(I)MV15-8	722	420	1142	260	210	300	97
S(I)MV15-9	767	420	1187	260	210	300	98
S(I)MV15-10	889	500	1389	330	260	350	144
S(I)MV15-12	979	500	1479	330	260	350	145
S(I)MV15-14	1069	500	1569	330	260	350	151
S(I)MV15-17	1204	500	1704	330	260	350	162


S(I)MV16
50Hz
ISO 9906 Annex A
P[MPa]
H[m]
-16
-15
-14
-13
-12
-11
-10
-9
-8
-7
-6
-5
-4
-3
-2
Q[m³/h]
Q[l/s]
P2[kW]
Eta[%]
Eta
P2
H[m]
NPSH[m]
QH 2900 rpm
NPSH

尺寸图
Dimension diagram

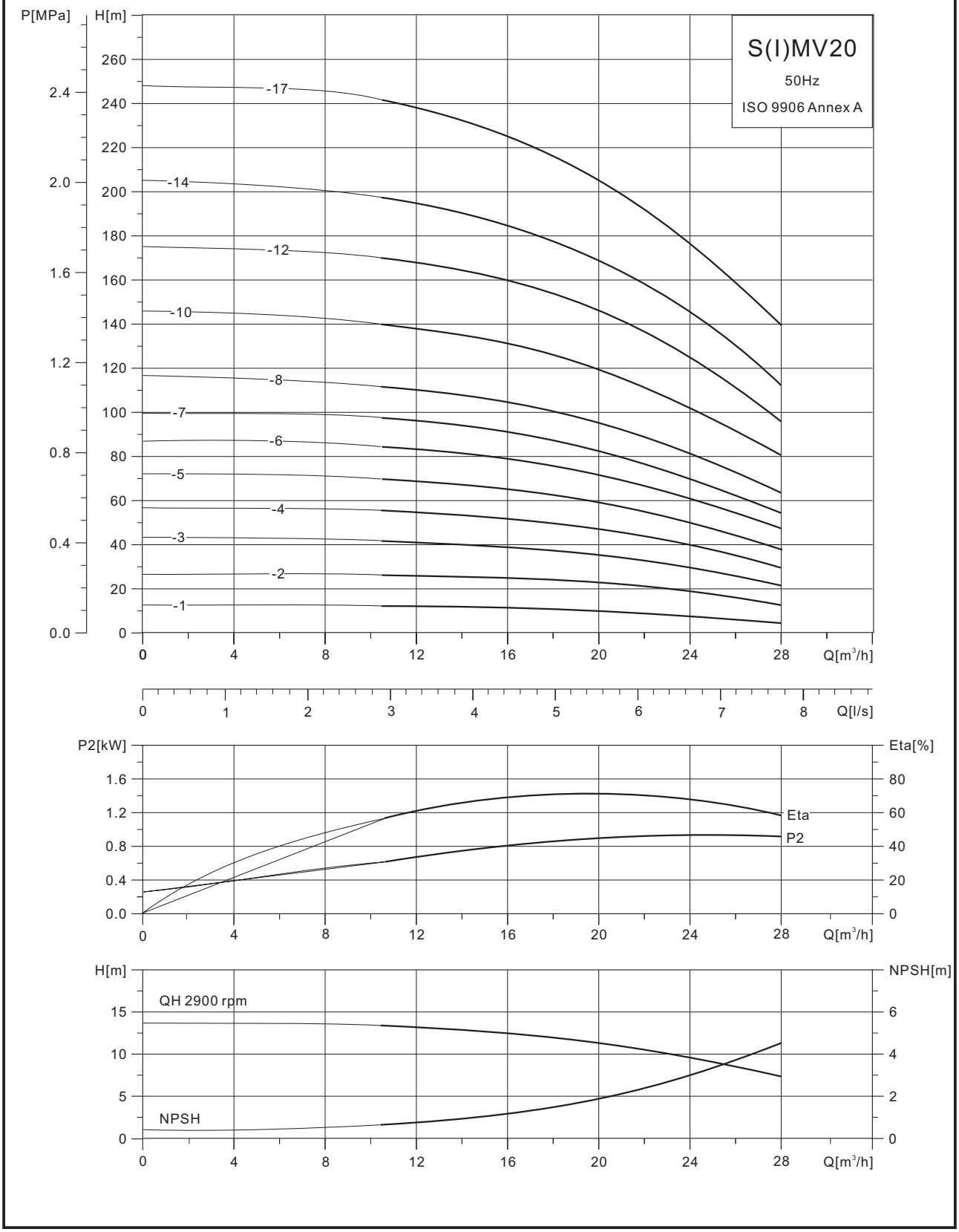


电气数据 3×380-415V
Electrical data

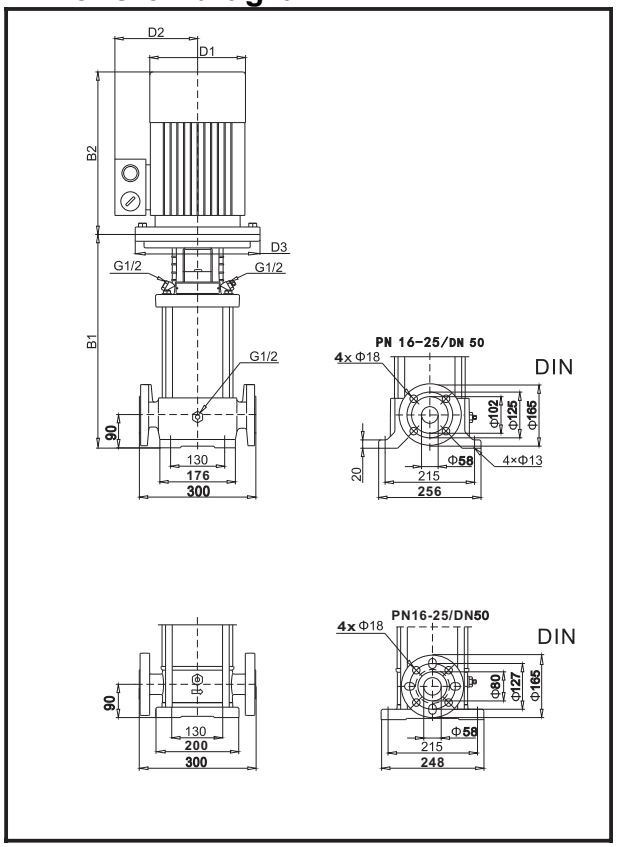
泵型号 Pump type	电机 Motor		功率因素COSφ Power factor
	[kW]	[hp]	
S(I)MV16-2	2.2	3.0	0.84
S(I)MV16-3	3.0	4.0	0.87
S(I)MV16-4	4.0	5.5	0.88
S(I)MV16-5	5.5	7.5	0.88
S(I)MV16-6	5.5	7.5	0.88
S(I)MV16-7	7.5	10	0.88
S(I)MV16-8	7.5	10	0.88
S(I)MV16-9	11	15	0.89
S(I)MV16-10	11	15	0.89
S(I)MV16-11	11	15	0.89
S(I)MV16-12	11	15	0.89
S(I)MV16-13	15	20	0.90
S(I)MV16-14	15	20	0.90
S(I)MV16-15	15	20	0.90
S(I)MV16-16	15	20	0.90

尺寸和重量
Dimensions and weight

泵型号 Pump type	尺寸[mm]Dimension						重量[kg] Weight
	B1	B2	B1+B2	D1	D2	D3	
S(I)MV16-2	407	290	697	180	125	-	50
S(I)MV16-3	458	330	788	190	140	-	55
S(I)MV16-4	503	330	833	220	150	-	60
S(I)MV16-5	565	420	985	260	210	300	80
S(I)MV16-6	610	420	1030	260	210	300	85
S(I)MV16-7	655	420	1075	260	210	300	90
S(I)MV16-8	700	420	1120	260	210	300	90
S(I)MV16-9	775	500	1275	330	260	350	125
S(I)MV16-10	820	500	1320	330	260	350	125
S(I)MV16-11	865	500	1365	330	260	350	130
S(I)MV16-12	910	500	1410	330	260	350	130
S(I)MV16-13	955	500	1455	330	260	350	175
S(I)MV16-14	1000	500	1500	330	260	350	175
S(I)MV16-15	1045	500	1545	330	260	350	180
S(I)MV16-16	1090	500	1590	330	260	350	180


S(I)MV20
50Hz
ISO 9906 Annex A
P[MPa]
H[m]
-17
-14
-12
-10
-8
-7
-6
-5
-4
-3
-2
-1
Q[m³/h]
Q[l/s]
P2[kW]
Eta[%]
Eta
P2
H[m]
NPSH[m]
QH 2900 rpm
NPSH

尺寸图
Dimension diagram

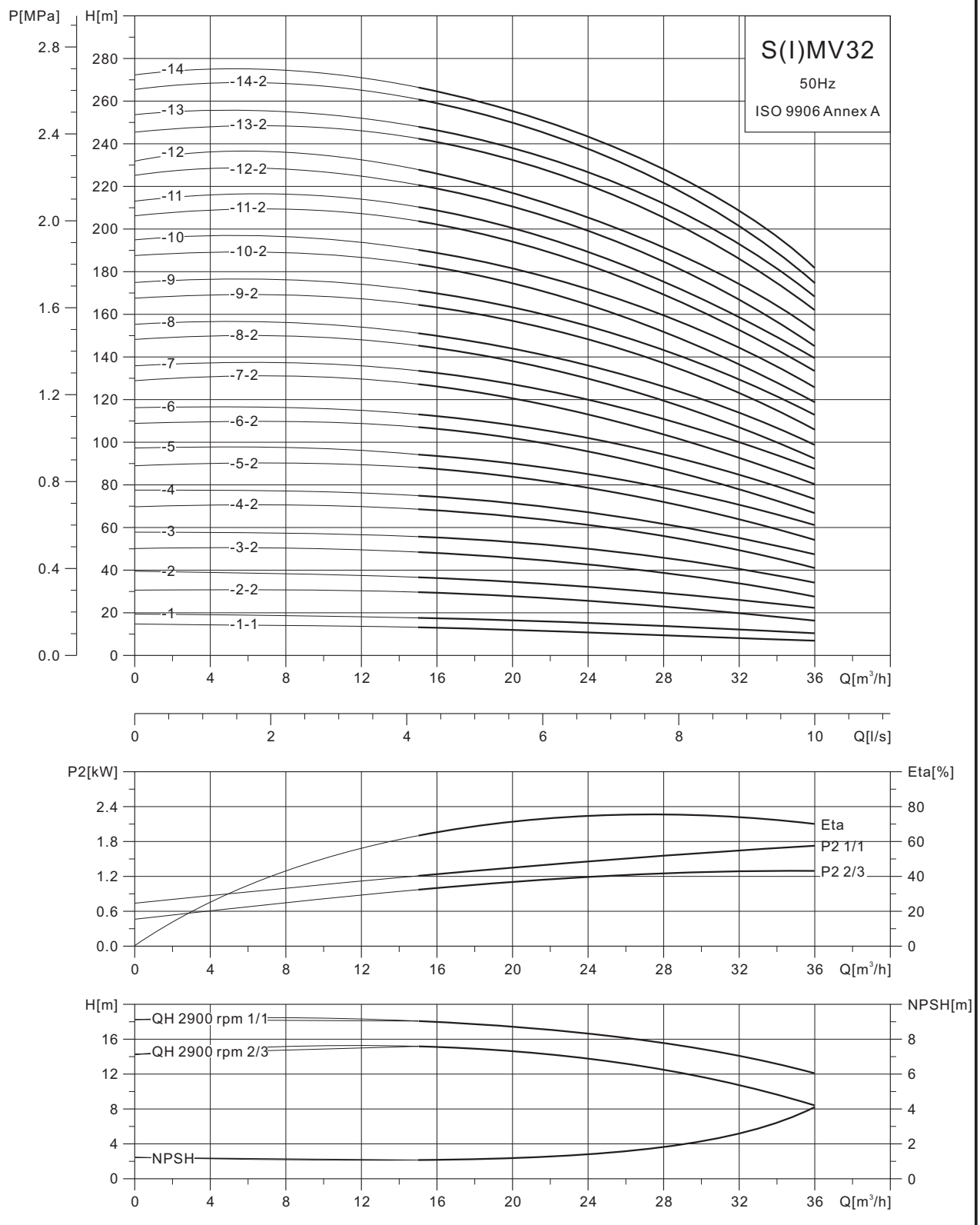


电气数据 3×380-415V
Electrical data

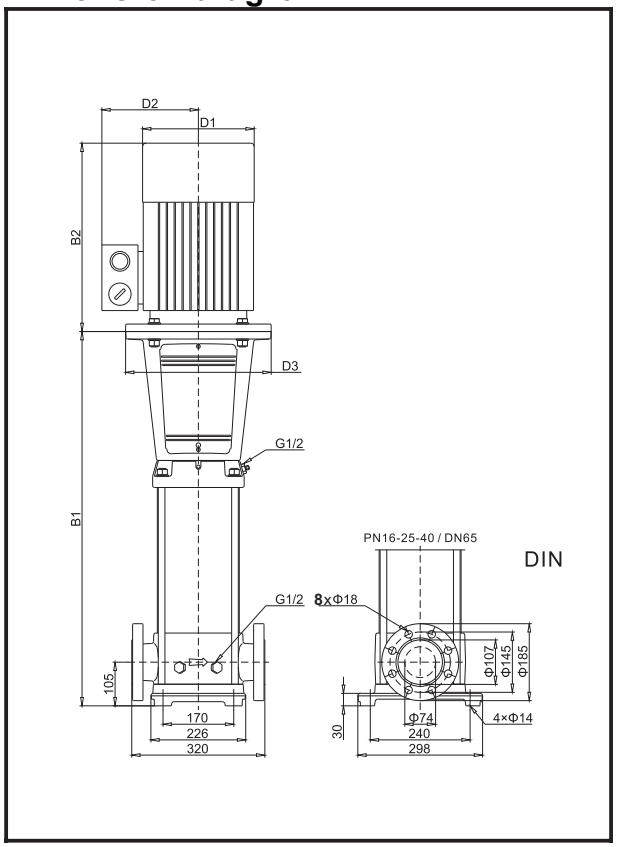
泵型号 Pump type	电机 Motor		功率因素COSφ Power factor
	[kW]	[hp]	
S(I)MV20-1	1.1	1.5	0.85
S(I)MV20-2	2.2	3.0	0.84
S(I)MV20-3	4.0	5.5	0.88
S(I)MV20-4	5.5	7.5	0.88
S(I)MV20-5	5.5	7.5	0.88
S(I)MV20-6	7.5	10	0.88
S(I)MV20-7	7.5	10	0.88
S(I)MV20-8	11	15	0.89
S(I)MV20-10	11	15	0.89
S(I)MV20-12	15	20	0.90
S(I)MV20-14	15	20	0.90
S(I)MV20-17	18.5	25	0.90

尺寸和重量
Dimensions and weight

泵型号 Pump type	尺寸[mm]Dimension						重量[kg] Weight
	B1	B2	B1+B2	D1	D2	D3	
S(I)MV20-1	400	250	650	160	125	-	42
S(I)MV20-2	415	290	705	180	125	-	50
S(I)MV20-3	465	330	795	220	150	-	66
S(I)MV20-4	542	420	962	260	210	300	88
S(I)MV20-5	587	420	1007	260	210	300	90
S(I)MV20-6	632	420	1052	260	210	300	93
S(I)MV20-7	677	420	1097	260	210	300	95
S(I)MV20-8	799	500	1299	330	260	350	141
S(I)MV20-10	889	500	1389	330	260	350	144
S(I)MV20-12	979	500	1479	330	260	350	154
S(I)MV20-14	1069	500	1569	330	260	350	157
S(I)MV20-17	1204	550	1754	380	310	350	177


S(I)MV32
50Hz
ISO 9906 Annex A
P[MPa]
H[m]
-14
-14-2
-13
-13-2
-12
-12-2
-11
-11-2
-10
-10-2
-9
-9-2
-8
-8-2
-7
-7-2
-6
-6-2
-5
-5-2
-4
-4-2
-3
-3-2
-2
-2-2
-1
-1-1
Q[m³/h]
Q[l/s]
P2[kW]
Eta[%]
Eta
P2 1/1
P2 2/3
H[m]
NPSH[m]
QH 2900 rpm 1/1
QH 2900 rpm 2/3
NPSH

尺寸图
Dimension diagram

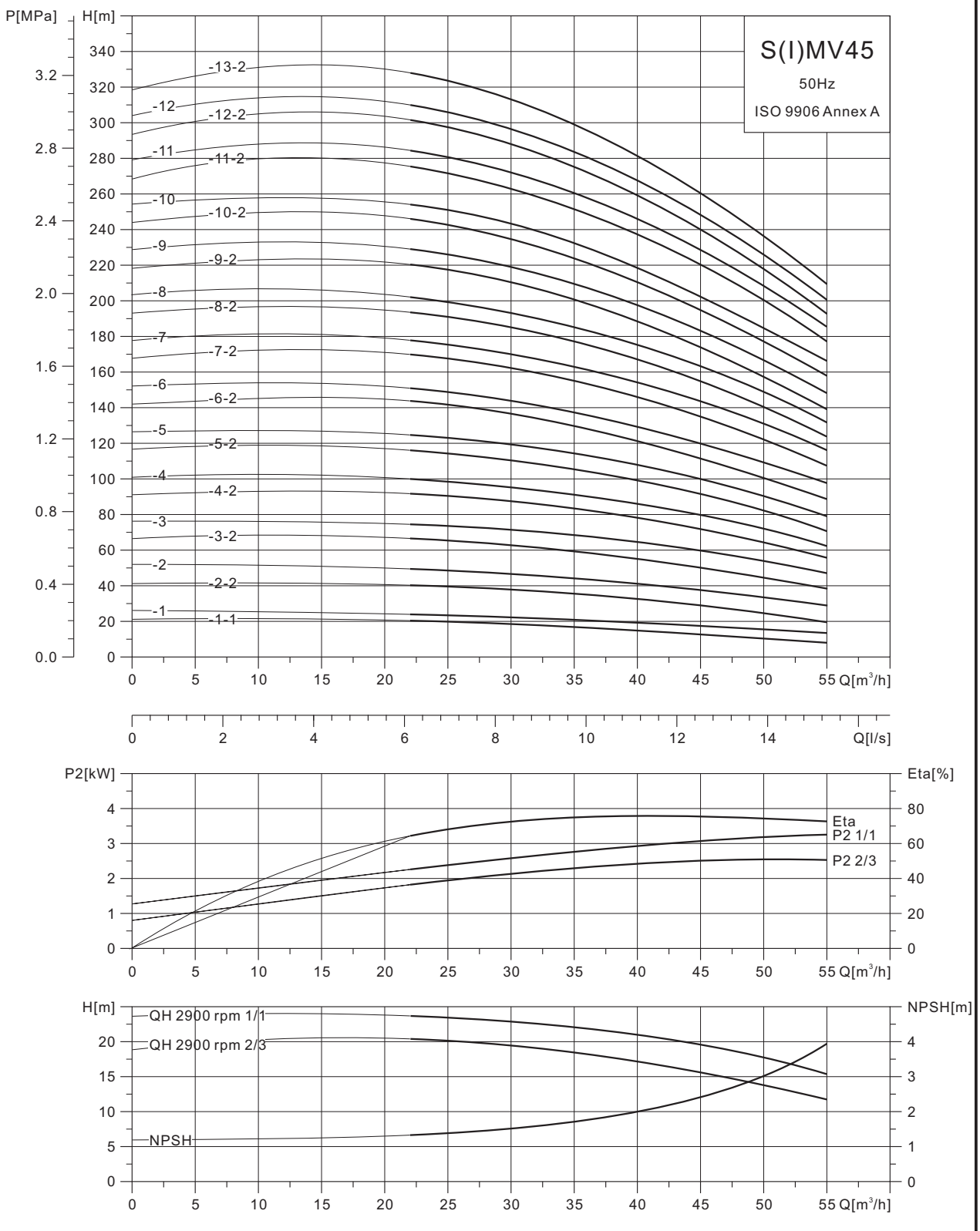


电气数据 3×380-415V
Electrical data

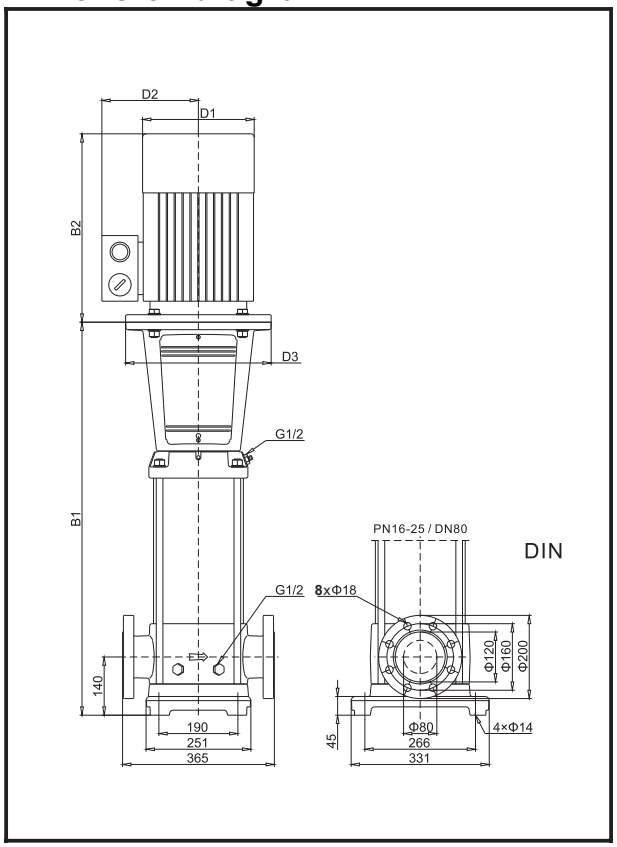
泵型号 Pump type	电机 Motor		功率因素COSφ Power factor
	[kW]	[hp]	
S(I)MV32-1-1	1.5	2.0	0.84
S(I)MV32-1	2.2	3.0	0.84
S(I)MV32-2-2	3.0	4.0	0.87
S(I)MV32-2	4.0	5.5	0.88
S(I)MV32-3-2	5.5	7.5	0.88
S(I)MV32-3	5.5	7.5	0.88
S(I)MV32-4-2	7.5	10	0.88
S(I)MV32-4	7.5	10	0.88
S(I)MV32-5-2	11	15	0.89
S(I)MV32-5	11	15	0.89
S(I)MV32-6-2	11	15	0.89
S(I)MV32-6	11	15	0.89
S(I)MV32-7-2	15	20	0.90
S(I)MV32-7	15	20	0.90
S(I)MV32-8-2	15	20	0.90
S(I)MV32-8	15	20	0.90
S(I)MV32-9-2	18.5	25	0.90
S(I)MV32-9	18.5	25	0.90
S(I)MV32-10-2	18.5	25	0.90
S(I)MV32-10	18.5	25	0.90
S(I)MV32-11-2	22	30	0.90
S(I)MV32-11	22	30	0.90
S(I)MV32-12-2	22	30	0.90
S(I)MV32-12	22	30	0.90
S(I)MV32-13-2	30	40	0.90
S(I)MV32-13	30	40	0.90
S(I)MV32-14-2	30	40	0.90
S(I)MV32-14	30	40	0.90

尺寸和重量
Dimensions and weight

泵型号 Pump type	尺寸[mm]Dimension						重量[kg] Weight
	B1	B2	B1+B2	D1	D2	D3	
S(I)MV32-1-1	505	290	795	180	125	140	80
S(I)MV32-1	505	290	795	180	125	140	85
S(I)MV32-2-2	575	330	905	190	140	160	95
S(I)MV32-2	575	330	905	220	150	160	105
S(I)MV32-3-2	645	420	1065	260	210	300	115
S(I)MV32-3	645	420	1065	260	210	300	115
S(I)MV32-4-2	715	420	1135	260	210	300	125
S(I)MV32-4	715	420	1135	260	210	300	125
S(I)MV32-5-2	895	500	1395	330	260	350	165
S(I)MV32-5	895	500	1395	330	260	350	165
S(I)MV32-6-2	965	500	1465	330	260	350	170
S(I)MV32-6	965	500	1465	330	260	350	170
S(I)MV32-7-2	1035	500	1535	330	260	350	205
S(I)MV32-7	1035	500	1535	330	260	350	205
S(I)MV32-8-2	1105	500	1605	330	260	350	210
S(I)MV32-8	1105	500	1605	330	260	350	210
S(I)MV32-9-2	1175	550	1725	380	310	350	220
S(I)MV32-9	1175	550	1725	380	310	350	220
S(I)MV32-10-2	1245	550	1795	380	310	350	225
S(I)MV32-10	1245	550	1795	380	310	350	225
S(I)MV32-11-2	1315	600	1915	380	310	350	285
S(I)MV32-11	1315	600	1915	380	310	350	285
S(I)MV32-12-2	1385	600	1985	380	310	350	285
S(I)MV32-12	1385	600	1985	380	310	350	285
S(I)MV32-13-2	1455	660	2115	420	350	400	370
S(I)MV32-13	1455	660	2115	420	350	400	370
S(I)MV32-14-2	1525	660	2185	420	350	400	375
S(I)MV32-14	1525	660	2185	420	350	400	375


S(I)MV45
50Hz
ISO 9906 Annex A
P[MPa]
H[m]
-13-2
-12
-12-2
-11
-11-2
-10
-10-2
-9
-9-2
-8
-8-2
-7
-7-2
-6
-6-2
-5
-5-2
-4
-4-2
-3
-3-2
-2
-2-2
-1
-1-1
Q[m³/h]
Q[l/s]
P2[kW]
Eta[%]
Eta
P2 1/1
P2 2/3
H[m]
NPSH[m]
QH 2900 rpm 1/1
QH 2900 rpm 2/3
NPSH

尺寸图
Dimension diagram

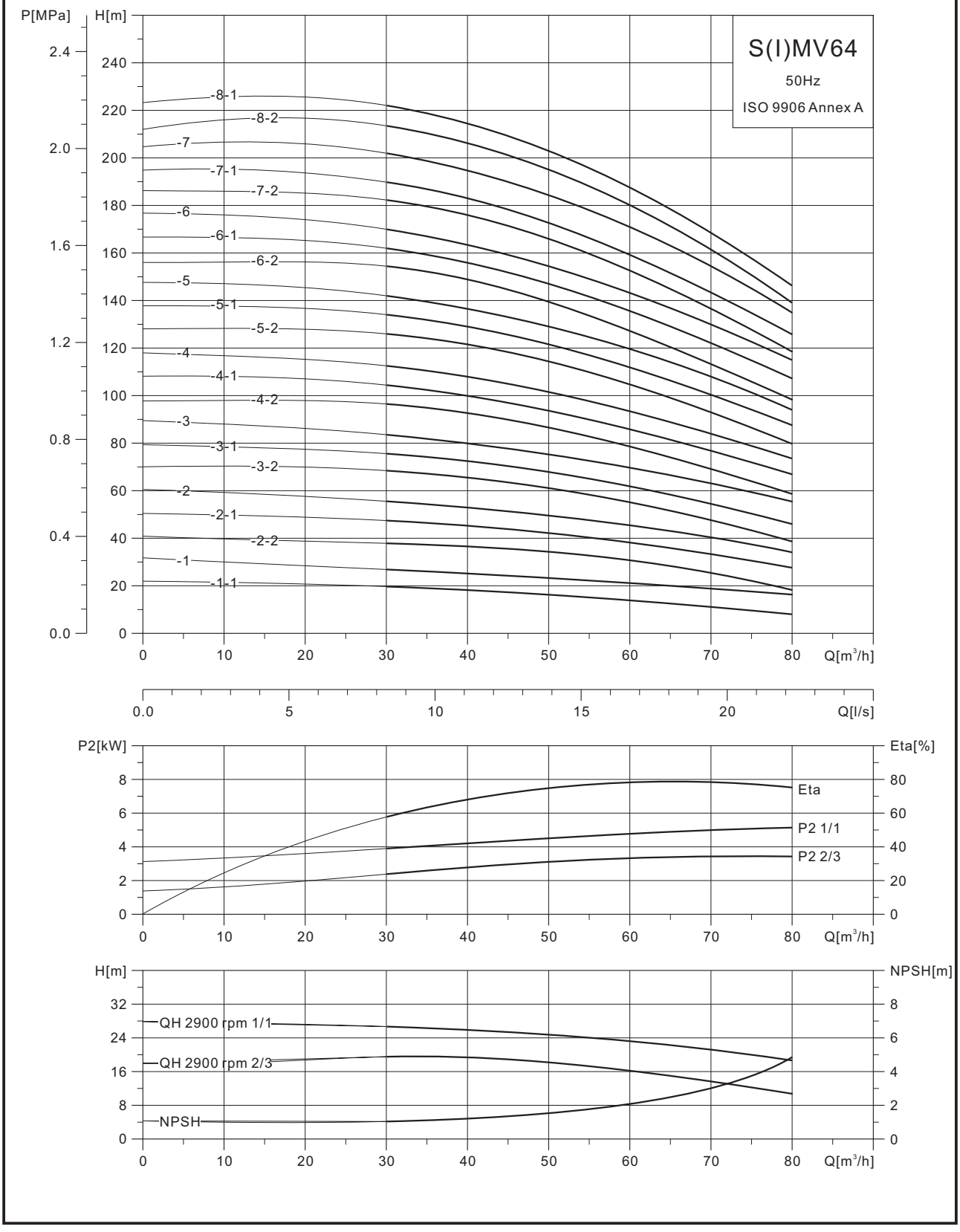


电气数据 3×380-415V
Electrical data

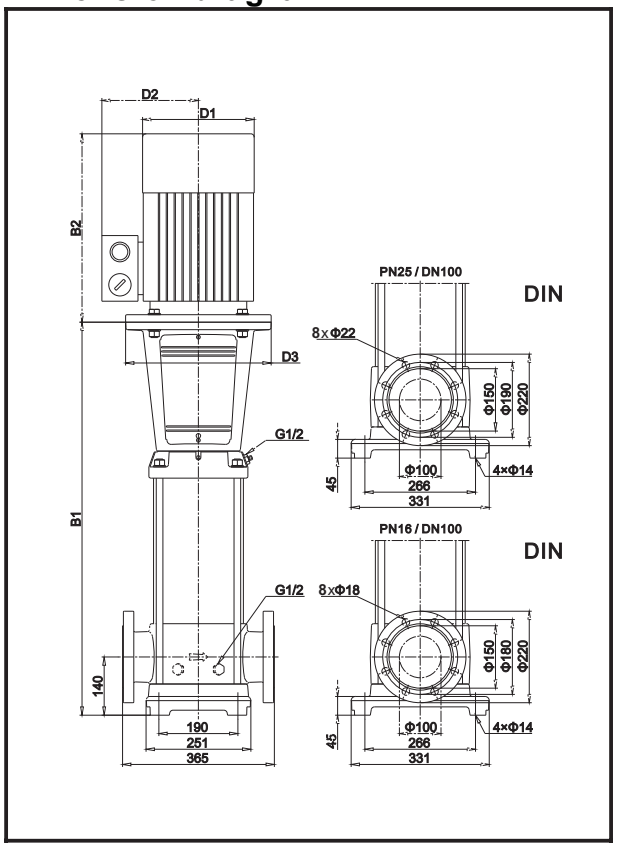
泵型号 Pump type	电机 Motor		功率因素COSφ Power factor
	[kW]	[hp]	
S(I)MV45-1-1	3.0	4.0	0.87
S(I)MV45-1	4.0	5.5	0.88
S(I)MV45-2-2	5.5	7.5	0.88
S(I)MV45-2	7.5	10	0.88
S(I)MV45-3-2	11	15	0.89
S(I)MV45-3	11	15	0.89
S(I)MV45-4-2	15	20	0.90
S(I)MV45-4	15	20	0.90
S(I)MV45-5-2	18.5	25	0.90
S(I)MV45-5	18.5	25	0.90
S(I)MV45-6-2	22	30	0.90
S(I)MV45-6	22	30	0.90
S(I)MV45-7-2	30	40	0.90
S(I)MV45-7	30	40	0.90
S(I)MV45-8-2	30	40	0.90
S(I)MV45-8	30	40	0.90
S(I)MV45-9-2	30	40	0.90
S(I)MV45-9	37	50	0.90
S(I)MV45-10-2	37	50	0.90
S(I)MV45-10	37	50	0.90
S(I)MV45-11-2	45	60	0.90
S(I)MV45-11	45	60	0.90
S(I)MV45-12-2	45	60	0.90
S(I)MV45-12	45	60	0.90
S(I)MV45-13-2	45	60	0.90

尺寸和重量
Dimensions and weight

泵型号 Pump type	尺寸[mm]Dimension						重量[kg] Weight
	B1	B2	B1+B2	D1	D2	D3	
S(I)MV45-1-1	558	330	888	190	140	160	100
S(I)MV45-1	558	330	888	220	150	160	110
S(I)MV45-2-2	638	420	1058	260	210	300	120
S(I)MV45-2	638	420	1058	260	210	300	125
S(I)MV45-3-2	828	500	1328	330	260	350	165
S(I)MV45-3	828	500	1328	330	260	350	165
S(I)MV45-4-2	908	500	1408	330	260	350	205
S(I)MV45-4	908	500	1408	330	260	350	205
S(I)MV45-5-2	988	550	1538	380	310	350	215
S(I)MV45-5	988	550	1538	380	310	350	215
S(I)MV45-6-2	1068	600	1668	380	310	350	275
S(I)MV45-6	1068	600	1668	380	310	350	275
S(I)MV45-7-2	1148	660	1808	420	350	400	355
S(I)MV45-7	1148	660	1808	420	350	400	355
S(I)MV45-8-2	1228	660	1888	420	350	400	360
S(I)MV45-8	1228	660	1888	420	350	400	360
S(I)MV45-9-2	1308	660	1968	420	350	400	365
S(I)MV45-9	1308	660	1968	420	350	400	365
S(I)MV45-10-2	1388	660	2048	420	350	400	390
S(I)MV45-10	1388	660	2048	420	350	400	390
S(I)MV45-11-2	1468	710	2178	470	375	450	455
S(I)MV45-11	1468	710	2178	470	375	450	455
S(I)MV45-12-2	1556	710	2266	470	375	450	460
S(I)MV45-12	1556	710	2266	470	375	450	460
S(I)MV45-13-2	1636	710	2346	470	375	450	465


S(I)MV64
50Hz
ISO 9906 Annex A
P[MPa]
H[m]
Q[m³/h]
Q[l/s]
-8-1
-8-2
-7
-7-1
-7-2
-6
-6-1
-6-2
-5
-5-1
-5-2
-4
-4-1
-4-2
-3
-3-1
-3-2
-2
-2-1
-2-2
-1
-1-1
P2[kW]
Eta[%]
Eta
P2 1/1
P2 2/3
H[m]
NPSH[m]
QH 2900 rpm 1/1
QH 2900 rpm 2/3
NPSH

尺寸图
Dimension diagram

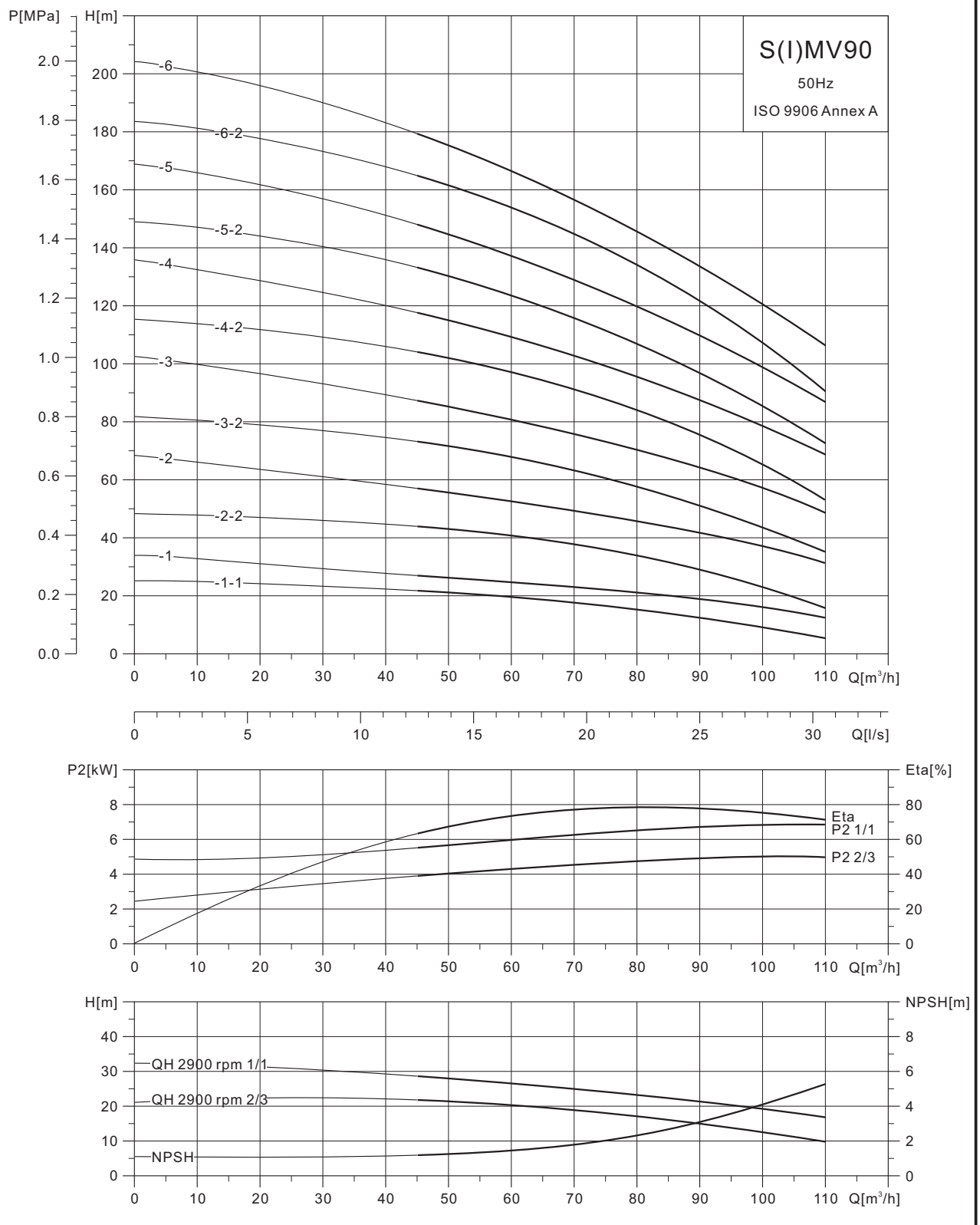


电气数据 3×380-415V
Electrical data

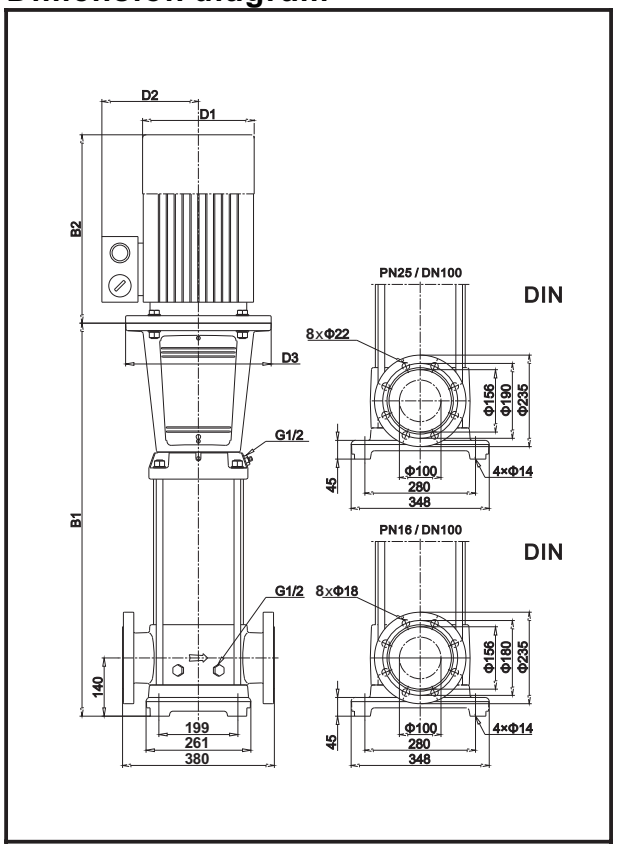
泵型号 Pump type	电机 Motor		功率因素COSφ Power factor
	[kW]	[hp]	
S(I)MV64-1-1	4.0	5.5	0.88
S(I)MV64-1	5.5	7.5	0.88
S(I)MV64-2-2	7.5	10	0.88
S(I)MV64-2-1	11	15	0.89
S(I)MV64-2	11	15	0.89
S(I)MV64-3-2	15	20	0.90
S(I)MV64-3-1	15	20	0.90
S(I)MV64-3	18.5	25	0.90
S(I)MV64-4-2	18.5	25	0.90
S(I)MV64-4-1	22	30	0.90
S(I)MV64-4	22	30	0.90
S(I)MV64-5-2	30	45	0.90
S(I)MV64-5-1	30	40	0.90
S(I)MV64-5	30	40	0.90
S(I)MV64-6-2	30	40	0.90
S(I)MV64-6-1	37	50	0.90
S(I)MV64-6	37	50	0.90
S(I)MV64-7-2	37	50	0.90
S(I)MV64-7-1	37	50	0.90
S(I)MV64-7	45	60	0.90
S(I)MV64-8-2	45	60	0.90
S(I)MV64-8-1	45	60	0.90

尺寸和重量
Dimensions and weight

泵型号 Pump type	尺寸[mm]Dimension						重量[kg] Weight
	B1	B2	B1+B2	D1	D2	D3	
S(I)MV64-1-1	561	330	891	220	150	160	105
S(I)MV64-1	561	420	981	260	210	300	120
S(I)MV64-2-2	644	420	1064	260	210	300	130
S(I)MV64-2-1	754	500	1254	330	260	350	165
S(I)MV64-2	754	500	1254	330	260	350	165
S(I)MV64-3-2	836	500	1336	330	260	350	205
S(I)MV64-3-1	836	500	1336	330	260	350	205
S(I)MV64-3	836	550	1386	380	310	350	215
S(I)MV64-4-2	919	550	1469	380	310	350	215
S(I)MV64-4-1	919	600	1519	380	310	350	270
S(I)MV64-4	919	600	1519	380	310	350	270
S(I)MV64-5-2	1001	660	1661	420	350	400	350
S(I)MV64-5-1	1001	660	1661	420	350	400	350
S(I)MV64-5	1001	660	1661	420	350	400	350
S(I)MV64-6-2	1084	660	1744	420	350	400	355
S(I)MV64-6-1	1084	660	1744	420	350	400	375
S(I)MV64-6	1084	660	1744	420	350	400	375
S(I)MV64-7-2	1166	660	1826	420	350	400	380
S(I)MV64-7-1	1166	660	1826	420	350	400	380
S(I)MV64-7	1166	710	1876	470	375	450	445
S(I)MV64-8-2	1248	710	1958	470	375	450	450
S(I)MV64-8-1	1248	710	1958	470	375	450	450


S(I)MV90
50Hz
ISO 9906 Annex A
P[MPa]
H[m]
-6
-6-2
-5
-5-2
-4
-4-2
-3
-3-2
-2
-2-2
-1
-1-1
Q[m³/h]
Q[l/s]
P2[kW]
Eta[%]
Eta
P2 1/1
P2 2/3
H[m]
NPSH[m]
QH 2900 rpm 1/1
QH 2900 rpm 2/3
NPSH

尺寸图
Dimension diagram

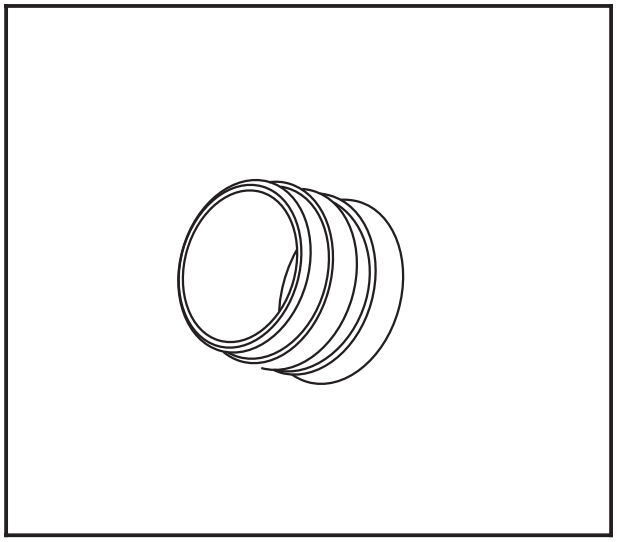


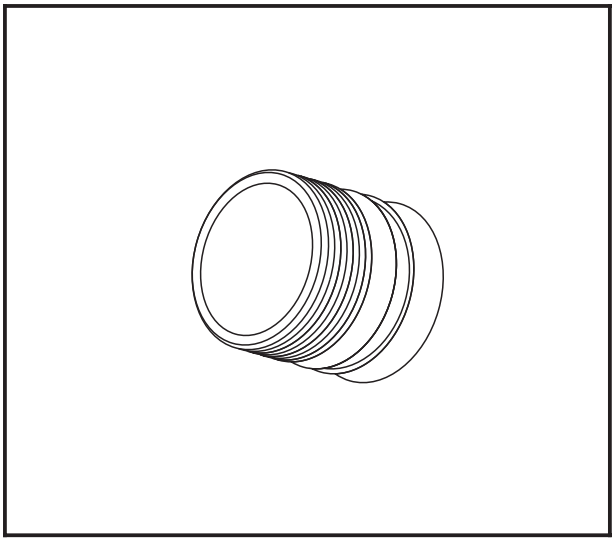
电气数据 3×380-415V
Electrical data

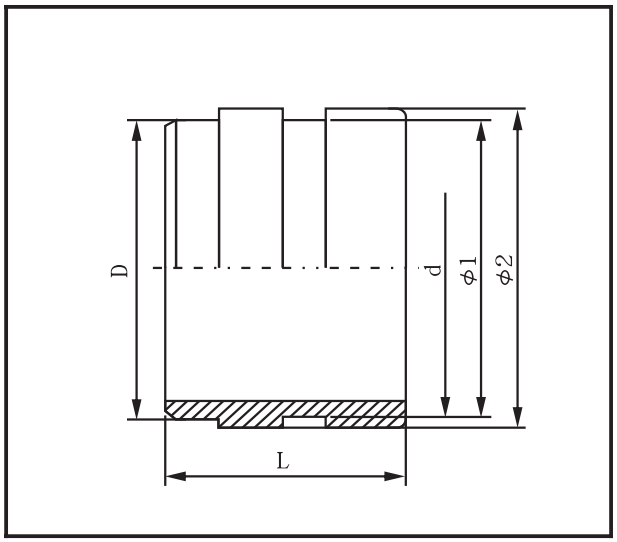
泵型号 Pump type	电机 Motor		功率因素COSφ Power factor
	[kW]	[hp]	
S(I)MV90-1-1	5.5	7.5	0.88
S(I)MV90-1	7.5	10	0.88
S(I)MV90-2-2	11	15	0.89
S(I)MV90-2	15	20	0.90
S(I)MV90-3-2	18.5	25	0.90
S(I)MV90-3	22	30	0.90
S(I)MV90-4-2	30	40	0.90
S(I)MV90-4	30	40	0.90
S(I)MV90-5-2	37	50	0.90
S(I)MV90-5	37	50	0.90
S(I)MV90-6-2	45	60	0.90
S(I)MV90-6	45	60	0.90

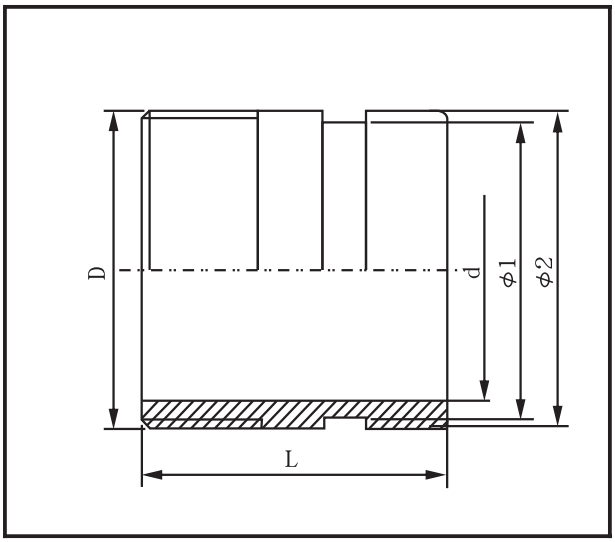
尺寸和重量
Dimensions and weight

泵型号 Pump type	尺寸[mm]Dimension						重量[kg] Weight
	B1	B2	B1+B2	D1	D2	D3	
S(I)MV90-1-1	571	420	991	260	210	300	125
S(I)MV90-1	571	420	991	260	210	300	130
S(I)MV90-2-2	773	500	1273	330	260	350	170
S(I)MV90-2	773	500	1273	330	260	350	205
S(I)MV90-3-2	865	550	1415	380	310	400	220
S(I)MV90-3	865	600	1465	380	310	400	270
S(I)MV90-4-2	957	660	1617	420	350	400	355
S(I)MV90-4	957	660	1617	420	350	400	355
S(I)MV90-5-2	1049	660	1709	420	350	400	380
S(I)MV90-5	1049	660	1709	420	350	400	380
S(I)MV90-6-2	1141	710	1851	470	375	450	445
S(I)MV90-6	1141	710	1851	470	375	450	445







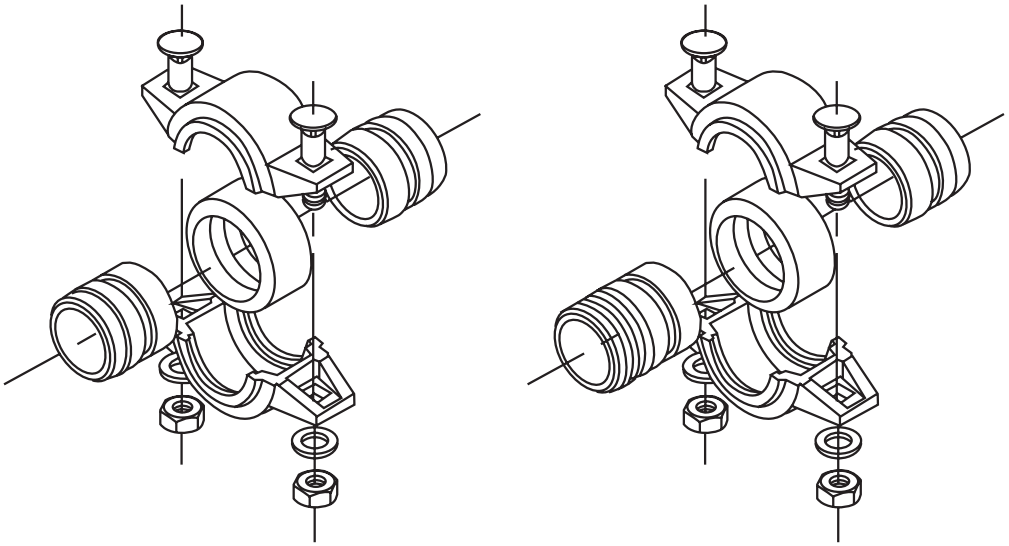


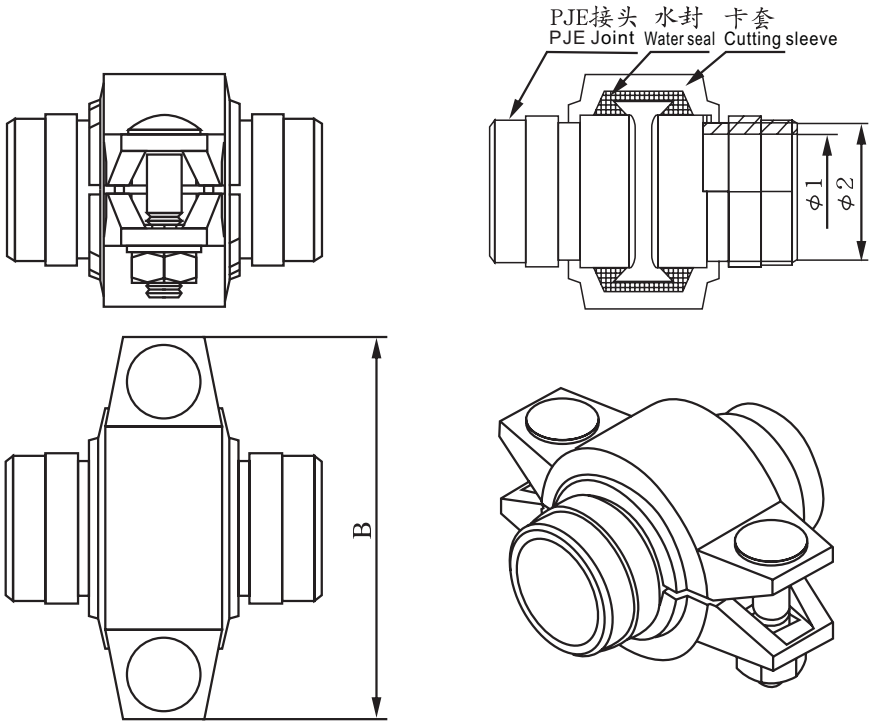
PJE 焊 接 接 头
PJE Welded joint

规格 Size / 尺寸 Dimension	d	φ1	φ2	D	L
1”	25	30	34	32	40
1 1/4”	32	38	42.2	40	40
1 1/2”	38	44	48.3	45	40
2”	50	56	60.3	57	45
2 1/2”	65	72	76.1	76	45
3”	79	85	90	89	45
4”	100	100	114.3	108	45

PJE 螺 纹 接 头
PJE Screw joint

规格 Size / 尺寸 Dimension	d	φ1	φ2	D	L
1”	25	30	34	G1	50
1 1/4”	32	38	42.2	G1 1/4	53
1 1/2”	38	44	48.3	G1 1/2	55
2”	50	56	60.3	G2	58

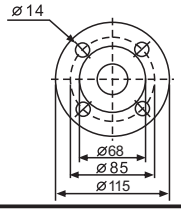




尺寸 Dimension / 规格 Size	1”	1 1/4”	1 1/2”	2”	2 1/2”	3”	4”
φ1	25	32	38	50	67	79	100
φ2	32	38	45	57	76	89	108
B	96	106	115	125	145	165	196

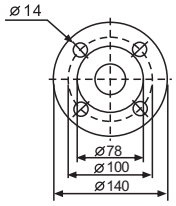
S(I)MV1,2,3,4,5

说明 Description	额定压力 Rated pressure	管路接口 Piping coupler
螺纹 Screw	16 bar (DIN)	G 1
焊接 Welding	25 bar (DIN)	25 mm



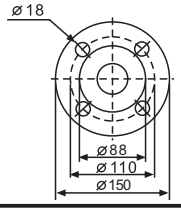
S(I)MV1,2,3,4,5

说明 Description	额定压力 Rated pressure	管路接口 Piping coupler
螺纹 Screw	16 bar (DIN)	G 1 1/4
焊接 Welding	25 bar (DIN)	32 mm



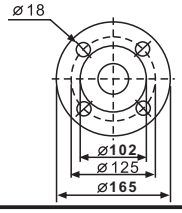
S(I)MV8;10

说明 Description	额定压力 Rated pressure	管路接口 Piping coupler
螺纹 Screw	16 bar (DIN)	G 1 1/2
焊接 Welding	25 bar (DIN)	40 mm



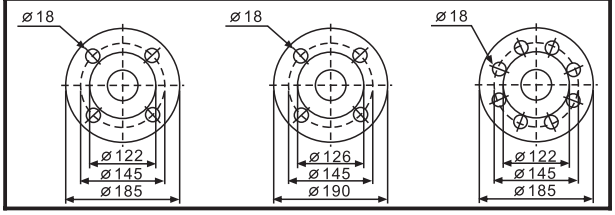
S(I)MV15;16;20

说明 Description	额定压力 Rated pressure	管路接口 Piping coupler
螺纹 Screw	16 bar (DIN)	G 2
焊接 Welding	25 bar (DIN)	50 mm



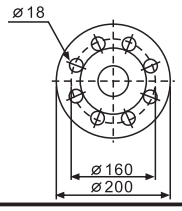
S(I)MV32

说明 Description	额定压力 Rated pressure	管路接口 Piping coupler
螺纹 Screw	16 bar (DIN)	G 2 1/2
螺纹 Screw	16 bar	G 3
焊接 Welding	16 bar (DIN)	65 mm
焊接 Welding	40 bar (DIN)	65 mm



S(I)MV45

说明 Description	额定压力 Rated pressure	管路接口 Piping coupler
螺纹 Screw	16 bar (DIN)	G 3
螺纹 Screw	16 bar (DIN)	80 mm
焊接 Welding	25 bar (DIN)	80 mm
焊接 Welding	40 bar (DIN)	80 mm



S(I)MV64;90

说明 Description	额定压力 Rated pressure	管路接口 Piping coupler
螺纹 Screw	16 bar	RP 4
焊接 Welding	16 bar (DIN)	100 mm
焊接 Welding	40 bar (DIN)	100 mm