

Pioneering for You

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威乐引领未来

## Wilo-Atmos GIGA-I

立式管道泵



“威乐，  
值得信赖的水泵专家。”



威乐 Wilo-Atmos GIGA-I 系列管道泵，遵循威乐百年制泵理念，产品安全，高效，环保。Wilo-Atmos GIGA-I 水泵结构紧凑，电机与泵轴之间刚性连接，用户现场无需轴对中调试。优化设计的泵腔及叶轮设计，使水泵具有卓越的性能和效率。运行时噪音低，振动小，稳定性好，并可有效的降低运行成本。流体表面均覆盖有电泳涂层，表面光滑，防腐性能好。轴向机械密封采用自循环冷却结构，具有免维护，寿命长等特点。可广泛应用于供热，区域供热，空调循环系统，制冷，工业制冷，供水系统及灌溉系统等。

**Wilo-Atmos GIGA-I**  
立式管道泵

## 立式管道泵

# Wilo-Atmos GIGA-I

## 节能环保 广泛使用

### 威乐 Wilo-Atmos GIGA-I 立式管道泵

- 得益于多样的零部件（例如叶轮、各种尺寸的电机以及机械密封），可用于各种应用场景并用来输送各种温度的不同流体
- 高效的水力模型和 IE3 电机技术确保了运行可靠性与节能性
- 所有铸造部件均涂装有防腐蚀电泳层，确保了较长的使用寿命
- 在空调和冷却系统中使用时可有针对性地排放冷凝水
- 水泵支脚可固定，不仅安装简便而且可以提供最大稳定性
- ≥ 37kW(不包含 37kW-2P) 水泵采用“后拉式”集装式机封设计，方便维护，结构类型便于操作。



Subject to change without prior notice.

威乐公司不断改进和创新产品，若技术参数发生改变，以变更后数据为准，保留技术更改的权利。



### 应用场合

广泛应用于供热，区域供热，空调循环系统，制冷，工业制冷，供水系统及灌溉系统等



供热、区域供热



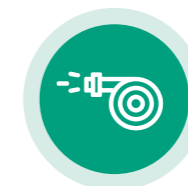
空调循环系统



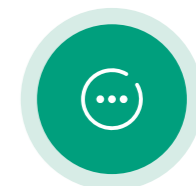
制冷、工业制冷



供水系统



灌溉系统



其他

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威乐公司不断改进和创新产品，若技术参数发生改变，以变更后数据为准，保留技术更改的权利。

# 立式管道泵

## Wilo-Atmos GIGA-I

### 结构更紧凑 性能更卓越 产品优势


 **广泛的应用范围**  
 温度范围 -20°C~ +140°C  
 法兰承压 (符合 EN 1092-2):PN16


 **易于安装及维护**

 **节能环保**  
 使用高效变频电机  
 适用于25-50Hz变频工况  
 电磁噪音小, 增加电机使用寿命

 **更先进的水力模型**  
 能效指标MEI值=0.7



**01**  使用标准GB3(IE3)电机, 标配宽频电机  
 适用于25-50Hz变频工况, 电机采用降噪设计, 增加电机使用寿命; 节能环保


**02**  法兰连接, 配有测压孔  
 便捷服务&运行状态监控


**03**  机械密封后抽式结构  
 集装式机械密封, 安装和拆卸简单, 不需要拆卸泵壳和移动电机

**04**  所有铸造部件表面电泳涂层  
 高耐腐蚀性, 长使用寿命

**05**  叶轮特殊孔用于平衡轴向力并对机械密封冲洗  
 长效使用寿命&高可靠性

**06**  叶轮材质: 灰铸铁、青铜和不锈钢  
 高防腐性能更好  
 新增不锈钢叶轮, 适用范围更广泛

**07**  一个水力模型多条切削叶轮曲线  
 配置不同功率电机, 电动机与水泵功率合理匹配;  
 提高系统运行效率, 节约成本

**08**  最先进的水力模型  
 最高水力效率, 精确计算设计的叶轮与泵体间隙,  
 水泵最小能效指标=0.7

**09**  泵体上带有螺纹孔地脚  
 易于安装

## Wilo-Atmos GIGA-I 系列说明



### 结构型式

串联结构形式的干转子泵，带法兰连接

### 应用

泵送采暖水（根据 VDI 2035 标准）、冷水和水 - 乙二醇混合物，供暖系统、冷水系统和冷却系统中不含磨损性物质。

### 型号代码

示例	Atmos GIGA-I 40/160-5.5/2
1	管道泵
40	管道接口的公称直径 DN
160	标称叶轮直径
5.5	电机额定功率 P2, 单位 kW
2	极数

### 技术数据

- 流体的许可温度范围：-20 °C 至 +140 °C
- 最高环境温度 40 °C
- 电源连接 3~400 V, 50 Hz (可应要求提供其他选择)
- 防护等级 IP55
- 公称直径 DN 32 至 DN 250
- 标准型号，适用于工作压力：13 bar (最高 +140 °C) / 16 bar (最高 +120 °C)

### 材料

- 水泵壳体和联接架：标准：EN-GJL-250 (灰口铸铁)；
- 叶轮：标准：EN-GJL-200；特殊规格：青铜 CuSn 10 不锈钢材质 1.4308 (1.4408 可选)
- 轴：1.4122
- 机械密封：AQEGG；可根据客户需求提供其他机械密封

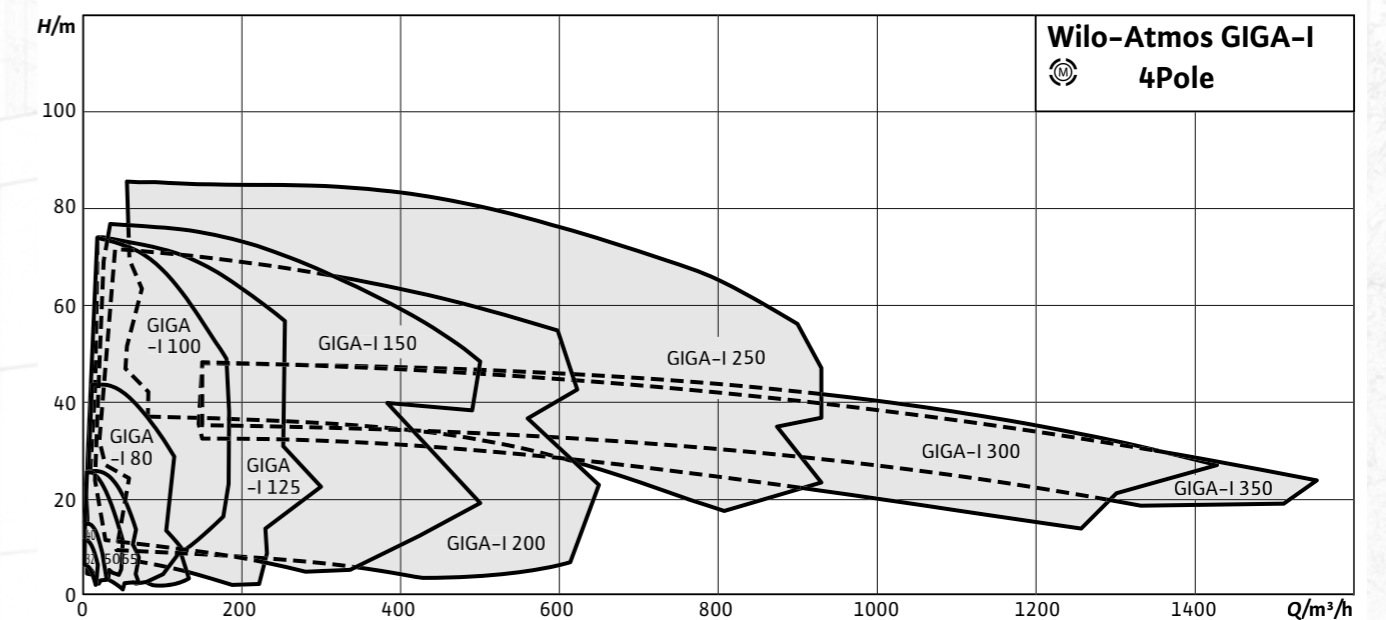
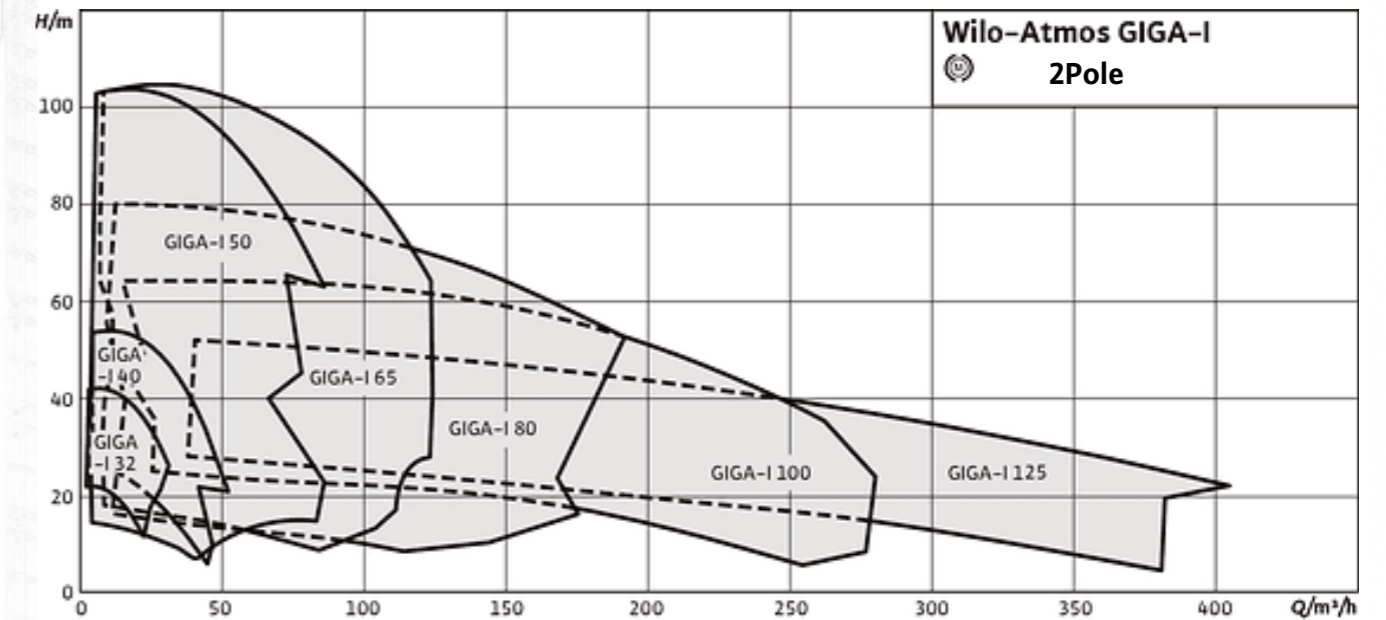
### 特点/产品优势

得益于多样的零部件（例如叶轮、各种尺寸的电机以及机械密封），可用于各种应用场景并用来输送各种温度的不同流体。最先进的水泵水力模型和 IE3 电机技术确保了运行可靠性与节能性。所有铸造部件均涂装有防腐电泳层，确保了较长的使用寿命。在空调和冷却系统中使用时可有针对性地排放冷凝水。水泵支脚可固定，不仅安装简便而且可以提供最大稳定性。维护简单，结构类型便于操作，大型水泵配备“后面拔出”式设计和集装式机械轴封。

### 类型

- 单级立式离心泵
- 机械密封
- 法兰连接，带有测压连接 R 1/8
- 联接架
- 联轴器
- IE3 标准电机

## Wilo-Atmos GIGA-I 系列说明



“威乐的产品节能  
降耗, 技术领先,  
服务更出色!”

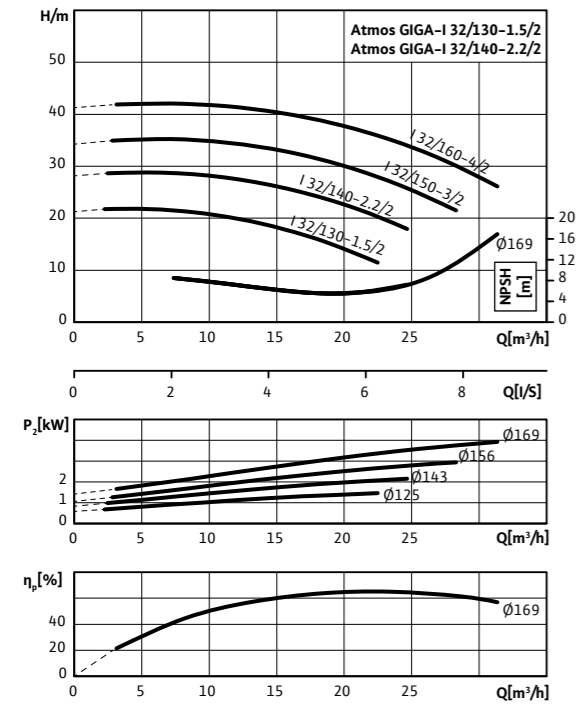
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### Pump curves Atmos GIGA-I ( 2 极 ) 性能曲线

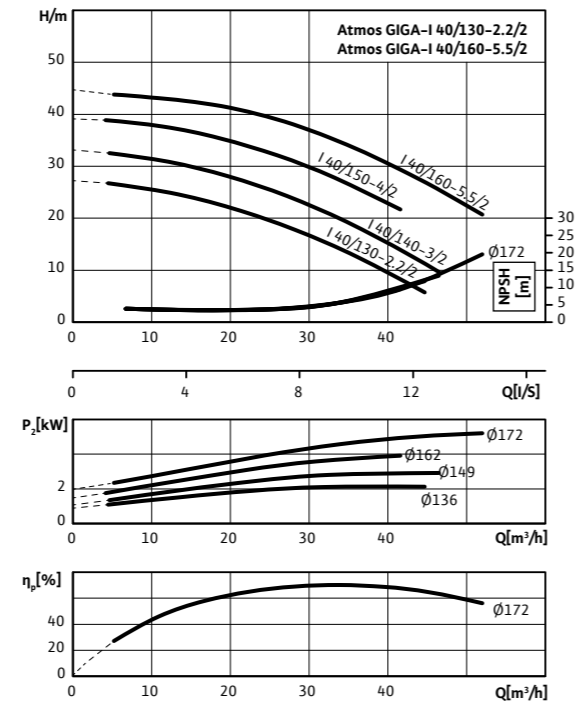
Atmos GIGA-I 32/130-1.5/2~I 32/140-2.2/2

Speed 2900 rpm



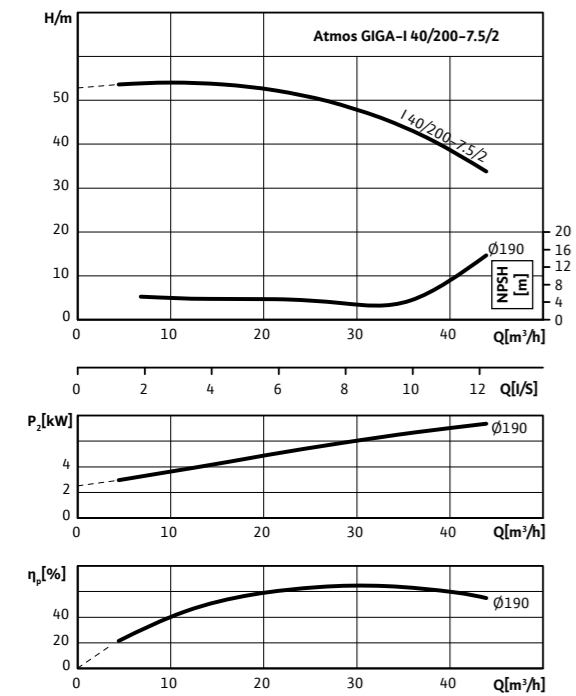
Atmos GIGA-I 40/130-2.2/2~I 40/160-5.5/2

Speed 2900 rpm



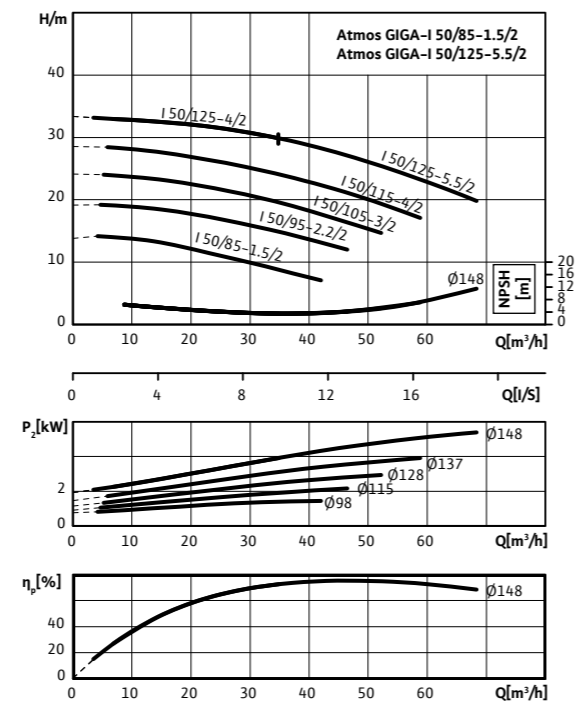
Atmos GIGA-I 40/200-7.5/2

Speed 2900 rpm



Atmos GIGA-I 50/125-5.5/2~I 50/85-1.5/2

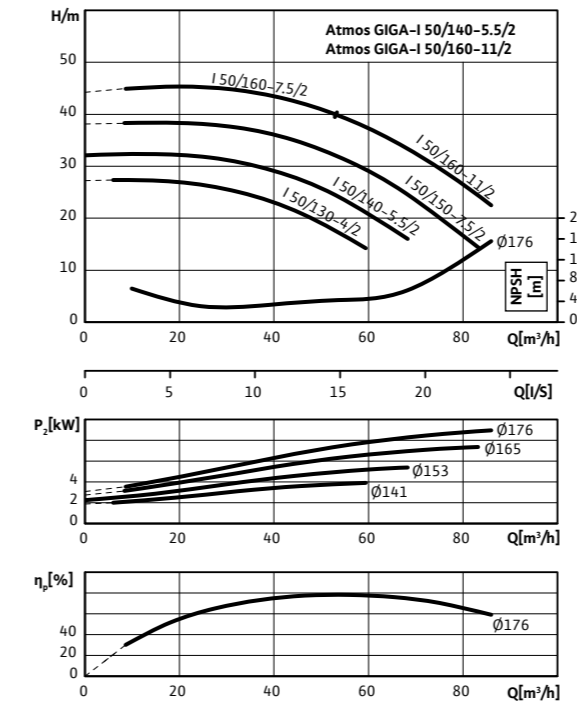
Speed 2900 rpm



### Pump curves Atmos GIGA-I ( 2 极 ) 性能曲线

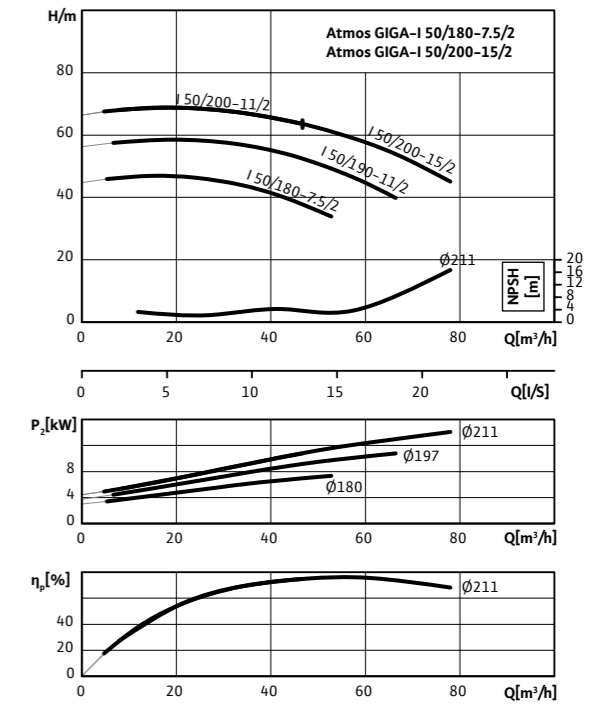
Atmos GIGA-I 50/140-5.5/2~I 50/160-11/2

Speed 2900 rpm



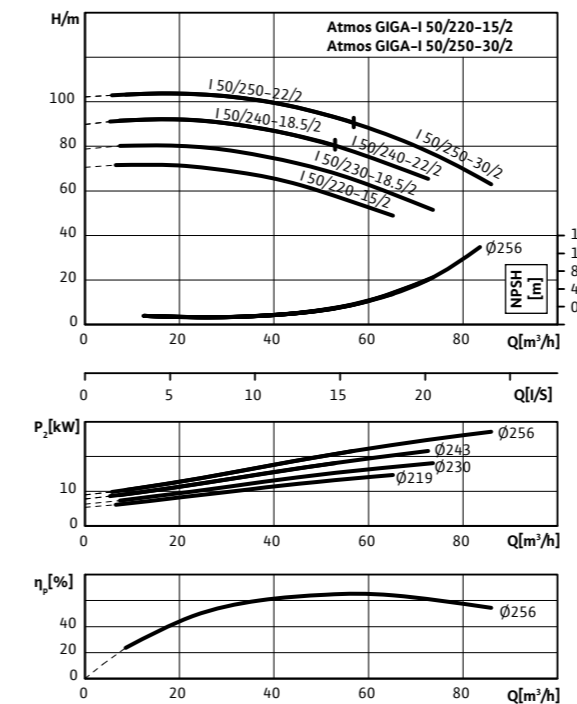
Atmos GIGA-I 50/180-7.5/2~I 50/200-15/2

Speed 2900 rpm



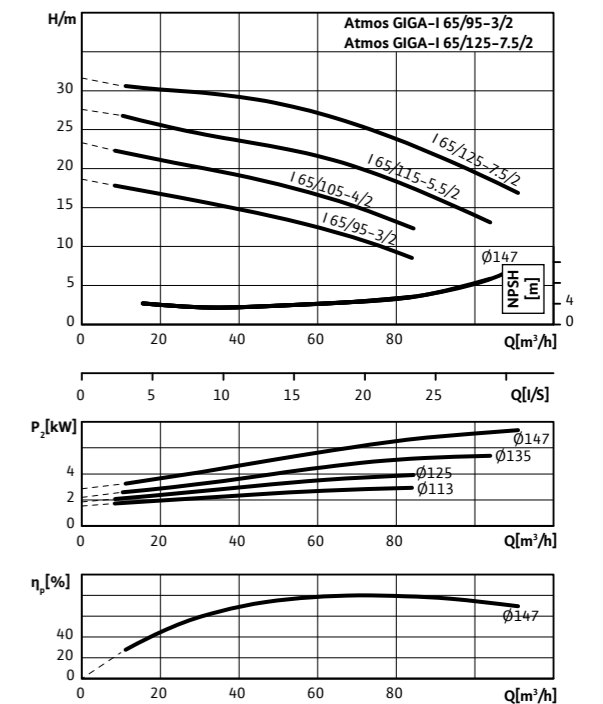
Atmos GIGA-I 50/220-15/2~I 50/250-30/2

Speed 2900 rpm



Atmos GIGA-I 65/95-3/2~I 65/125-7.5/2

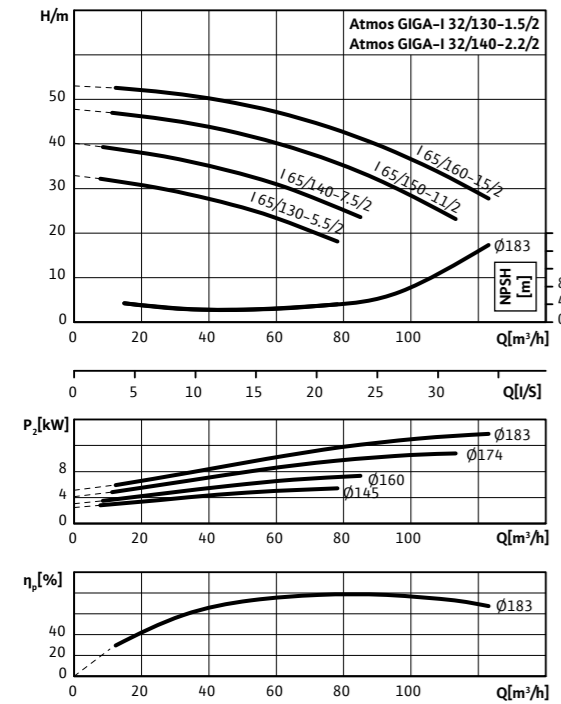
Speed 2900 rpm



### Pump curves Atmos GIGA-I ( 2 极 ) 性能曲线

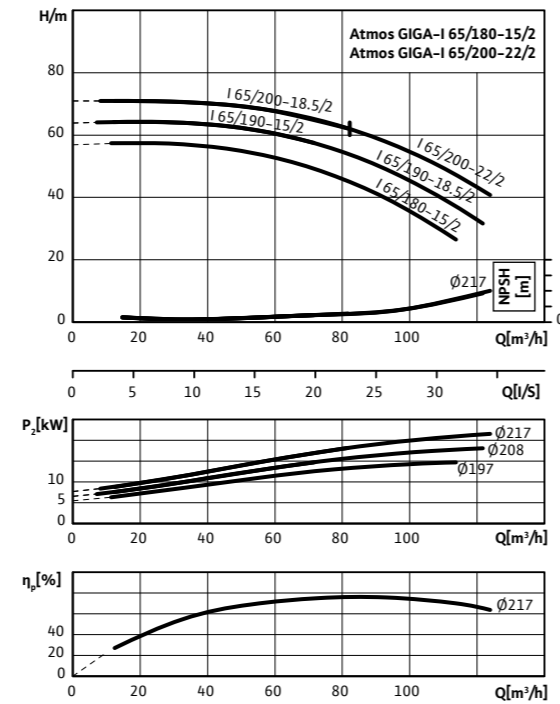
Atmos GIGA-I 32/130-1.5/2~I 32/140-2.2/2

Speed 2900 rpm



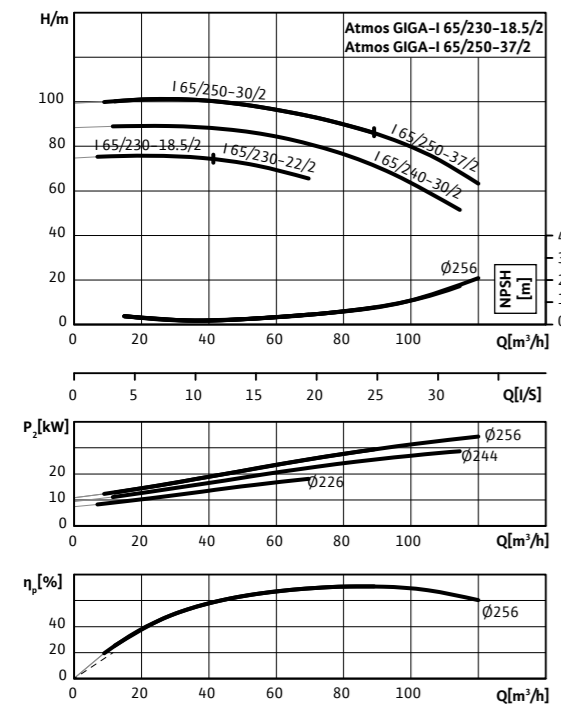
Atmos GIGA-I 65/180-15/2~I 65/200-22/2

Speed 2900 rpm



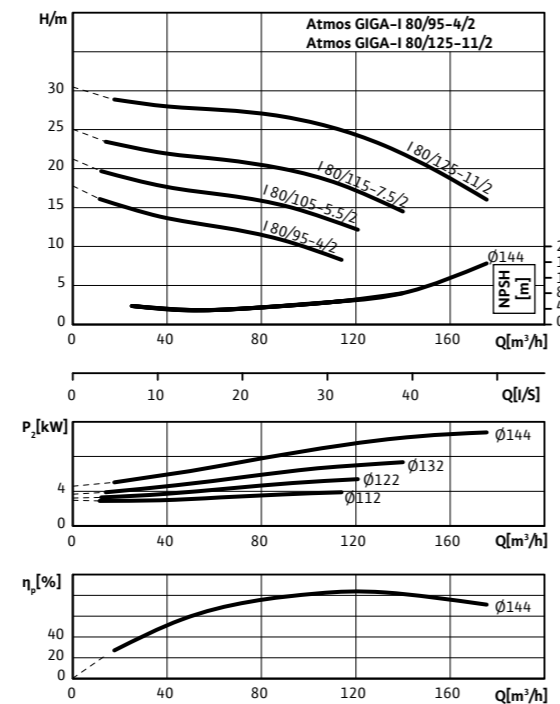
Atmos GIGA-I 65/230-18.5/2~I 65/250-37/2

Speed 2900 rpm



Atmos GIGA-I 80/95-4/2~I 80/125-11/2

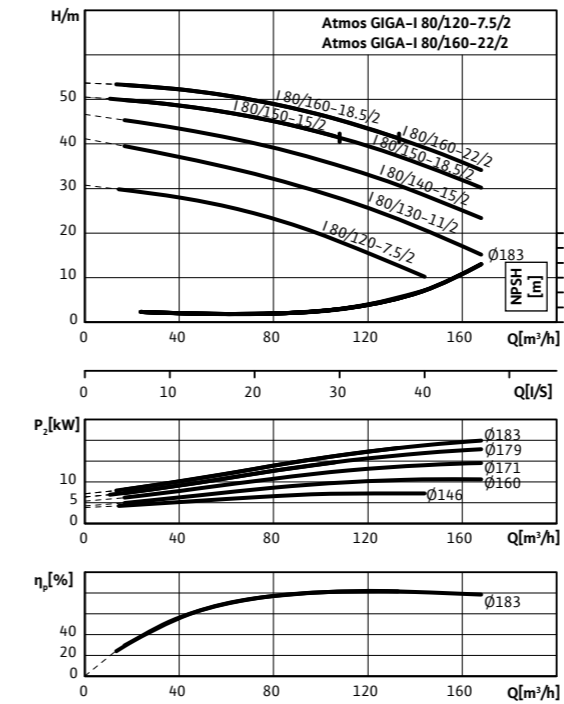
Speed 2900 rpm



### Pump curves Atmos GIGA-I ( 2 极 ) 性能曲线

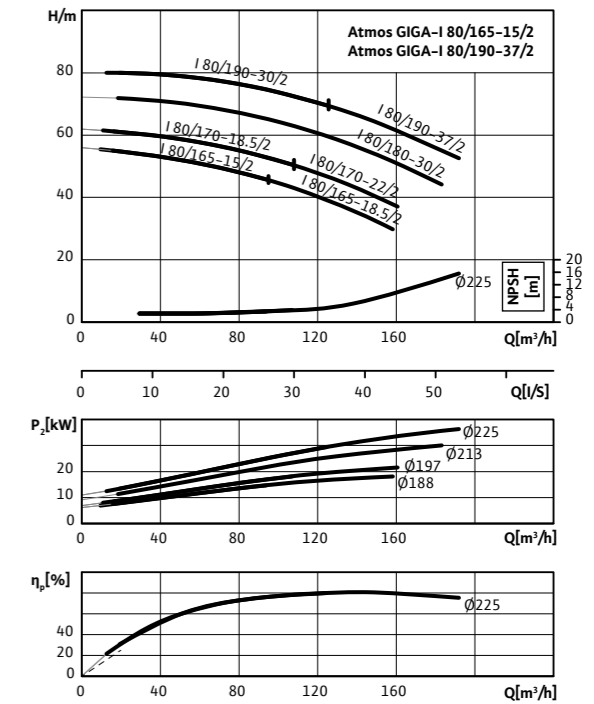
Atmos GIGA-I 80/160-22/2~I 80/120-7.5/2

Speed 2900 rpm



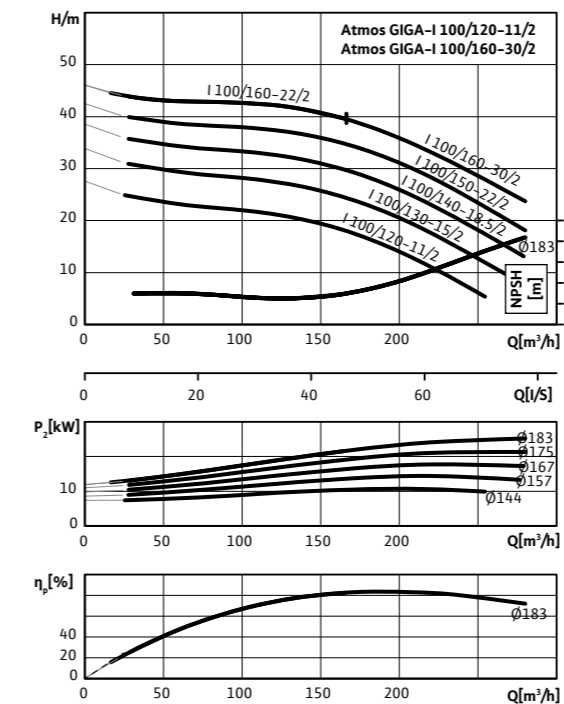
Atmos GIGA-I 80/165-15/2~I 80/190-37/2

Speed 2900 rpm



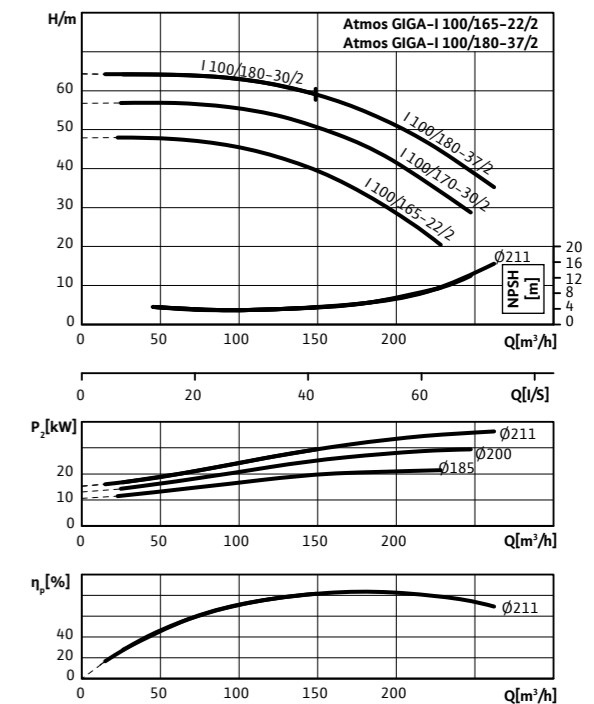
Atmos GIGA-I 100/120-11/2~I 100/160-30/2

Speed 2900 rpm



Atmos GIGA-I 100/165-22/2~I 100/180-37/2

Speed 2900 rpm

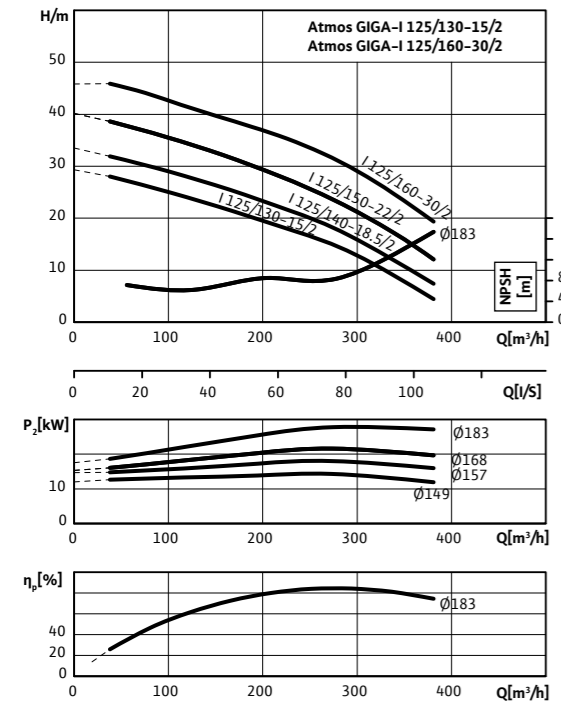




### Pump curves Atmos GIGA-I ( 2 极 ) 性能曲线

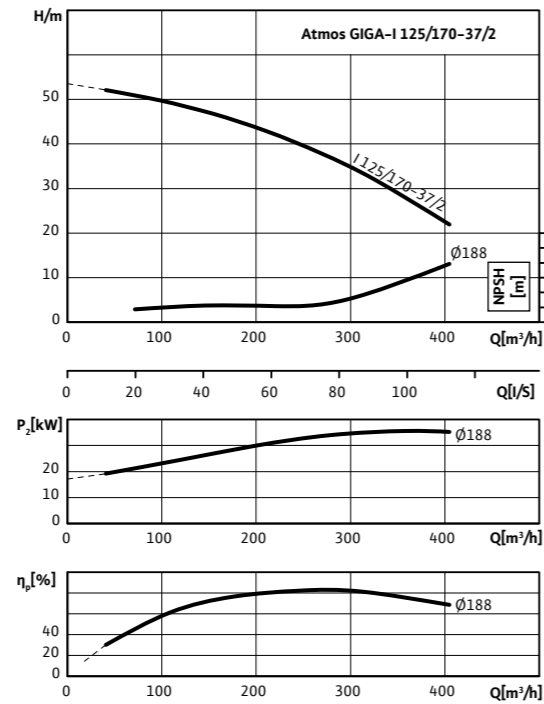
Atmos GIGA-I 125/130-15/2~125/160-30/2

Speed 2900 rpm



Atmos GIGA-I 125/170-37/2

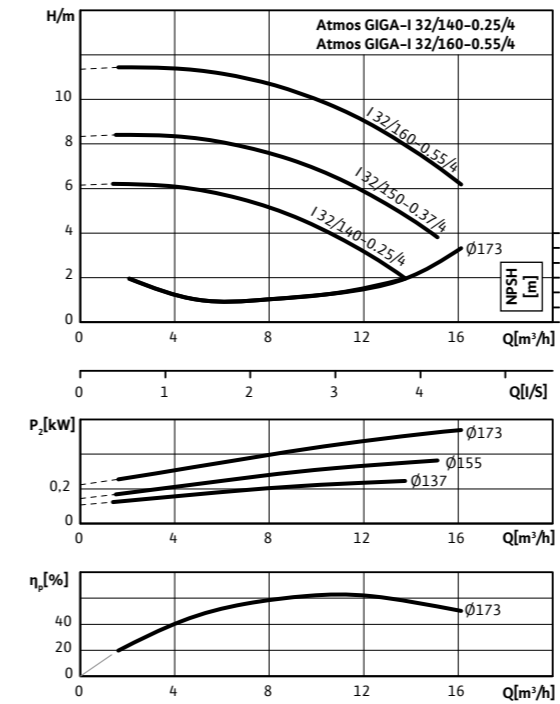
Speed 2900 rpm



### Pump curves Atmos GIGA-I ( 4 极 ) 性能曲线

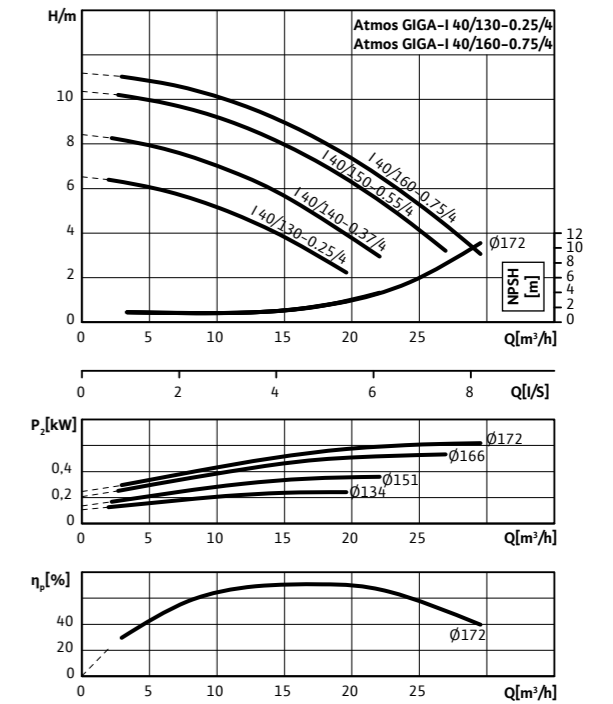
Atmos GIGA-I 32/140-0.25/4~132/160-0.55/4

Speed 1450 rpm



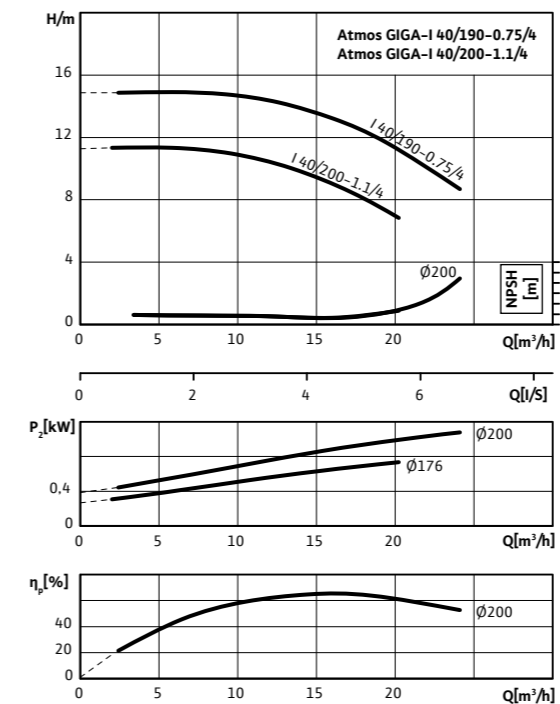
Atmos GIGA-I 40/130-0.25/4~140/160-0.75/4

Speed 1450 rpm



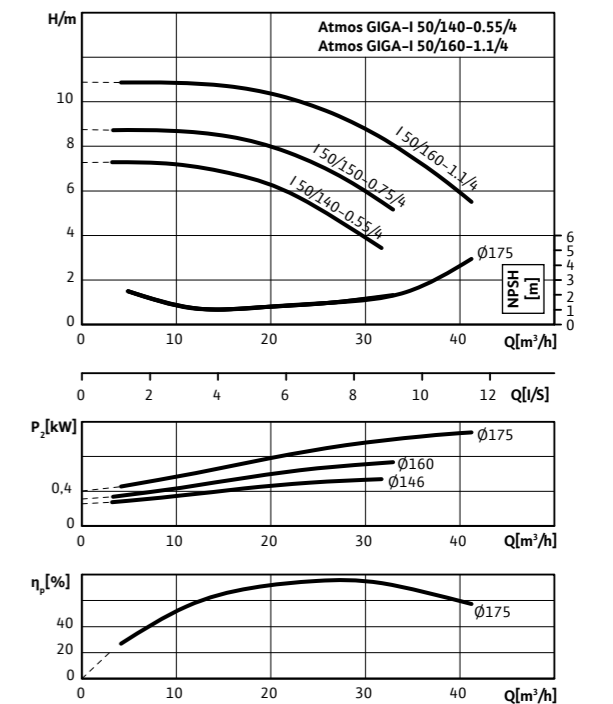
Atmos GIGA-I 40/190-0.75/4~140/200-1.1/4

Speed 1450 rpm



Atmos GIGA-I 50/140-0.55/4~150/160-1.1/4

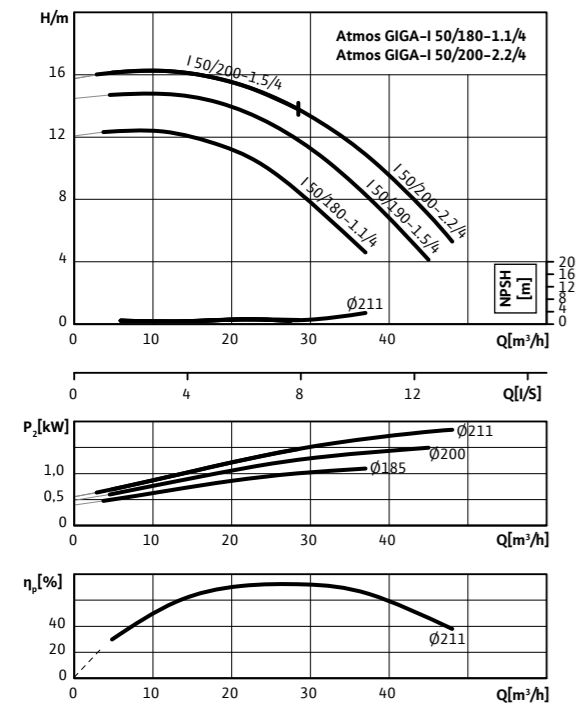
Speed 1450 rpm



### Pump curves Atmos GIGA-I ( 4 极 ) 性能曲线

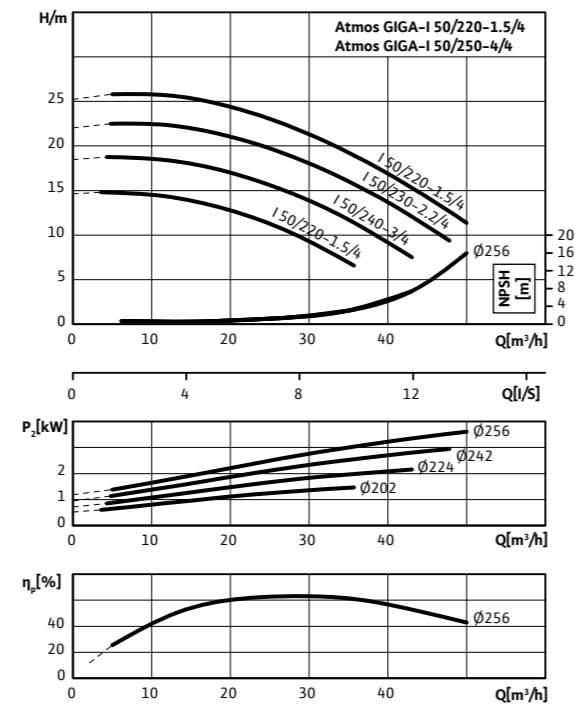
Atmos GIGA-I 50/180-1.1/4~I 50/200-2.2/4

Speed 1450 rpm



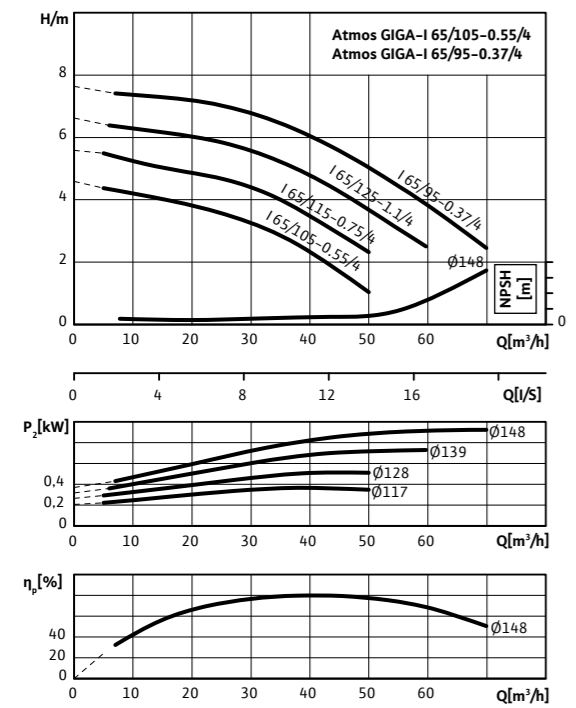
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Speed 1450 rpm



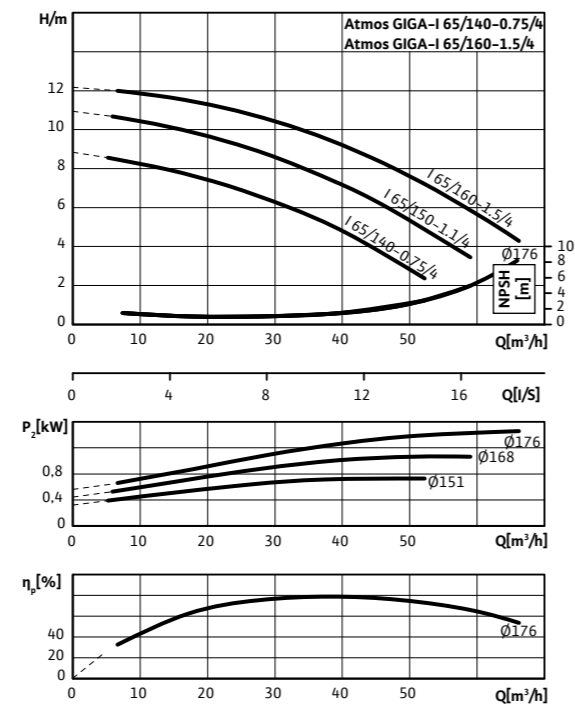
Atmos GIGA-I 65/105-0.55/4~I 65/95-0.37/4

Speed 1450 rpm



Atmos GIGA-I 65/140-0.75/4~I 65/160-1.5/4

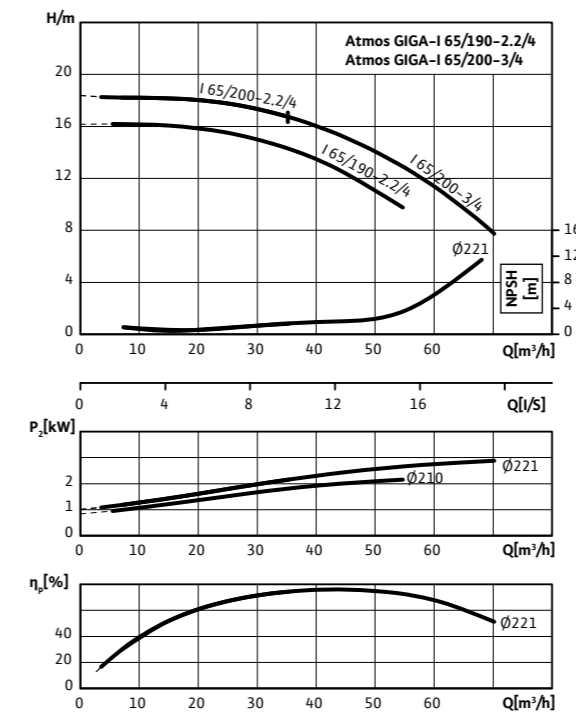
Speed 1450 rpm



### Pump curves Atmos GIGA-I ( 4 极 ) 性能曲线

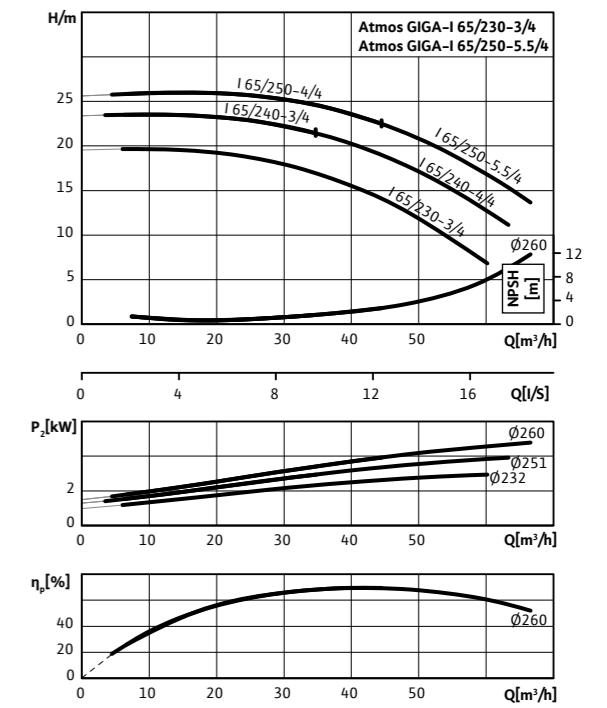
Atmos GIGA-I 65/190-2.2/4~I 65/200-3/4

Speed 1450 rpm



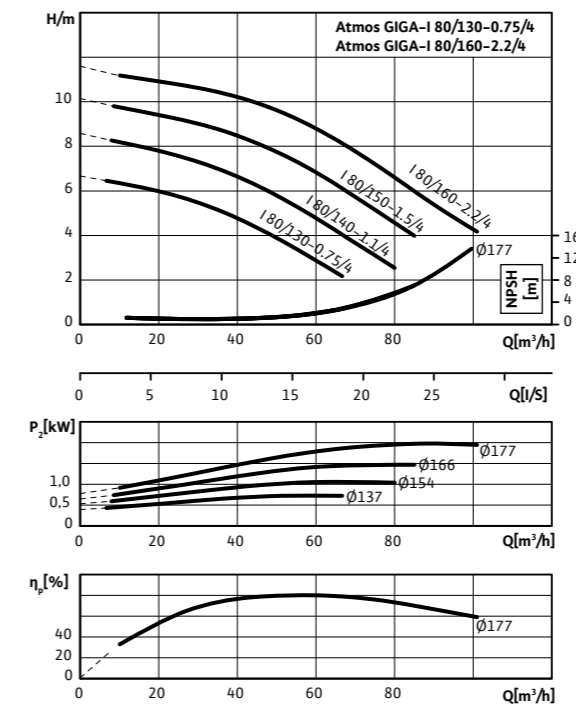
Atmos GIGA-I 65/230-3/4~I 65/250-5.5/4

Speed 1450 rpm



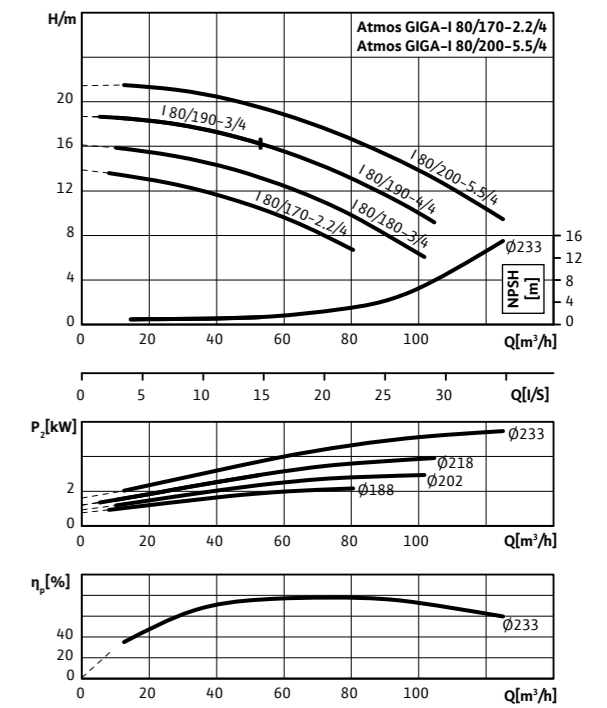
Atmos GIGA-I 80/130-0.75/4~I 80/160-2.2/4

Speed 1450 rpm



Atmos GIGA-I 80/170-2.2/4~I 80/200-5.5/4

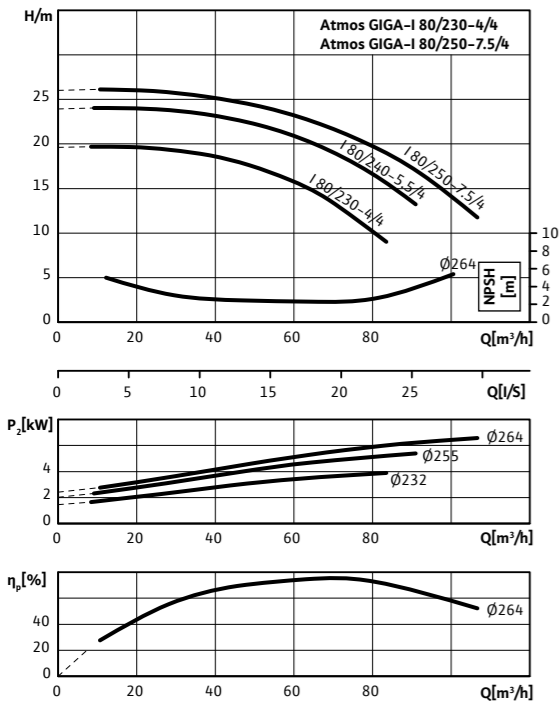
Speed 1450 rpm



### Pump curves Atmos GIGA-I ( 4 极 ) 性能曲线

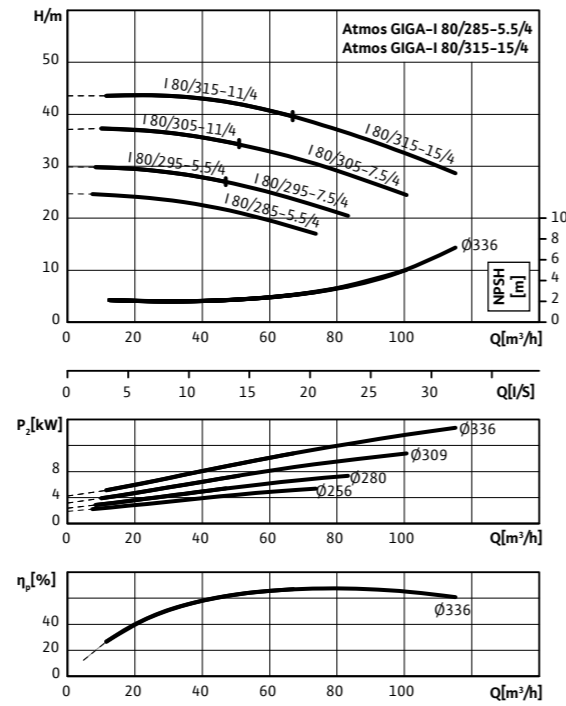
Atmos GIGA-I 80/230-4/4~I 80/250-7.5/4

Speed 1450 rpm



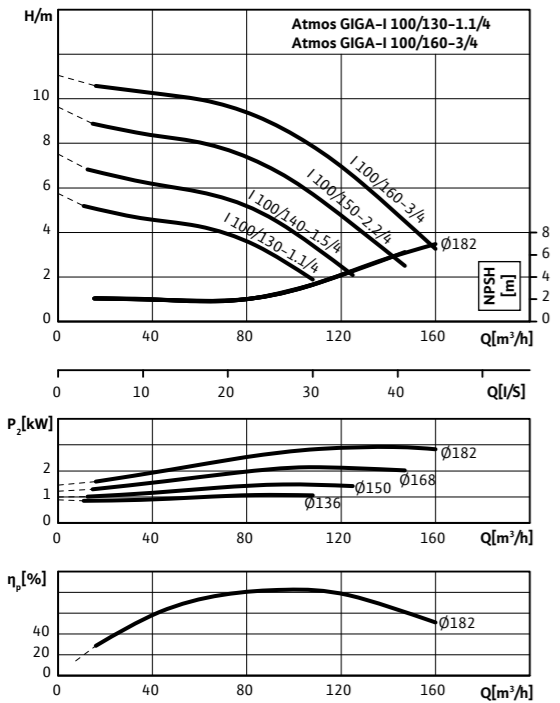
Atmos GIGA-I 80/285-5.5/4~I 80/315-15/4

Speed 1450 rpm



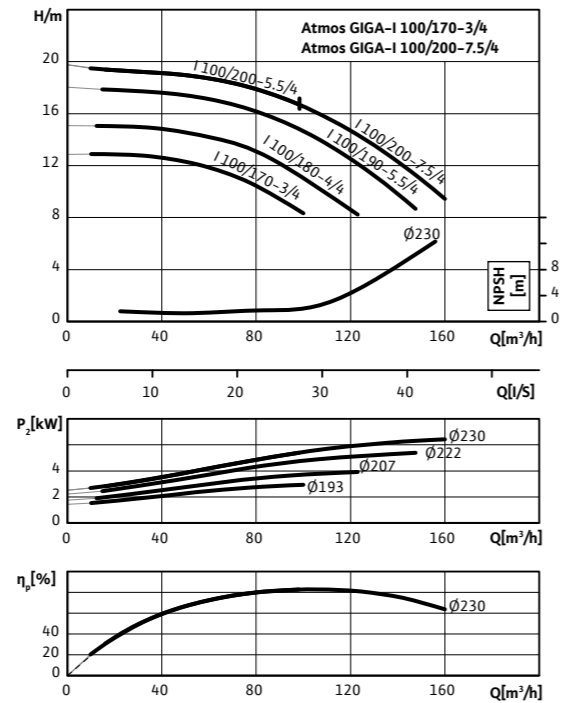
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Speed 1450 rpm



Atmos GIGA-I 100/170-3/4~I 100/200-7.5/4

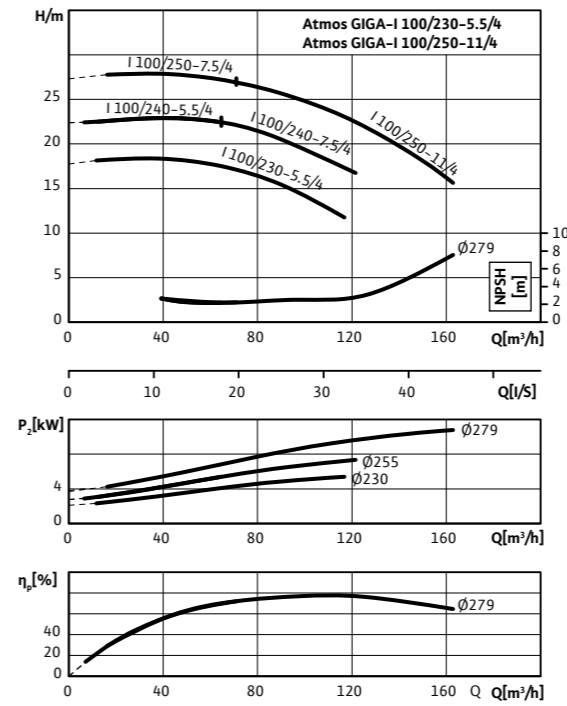
Speed 1450 rpm



### Pump curves Atmos GIGA-I ( 4 极 ) 性能曲线

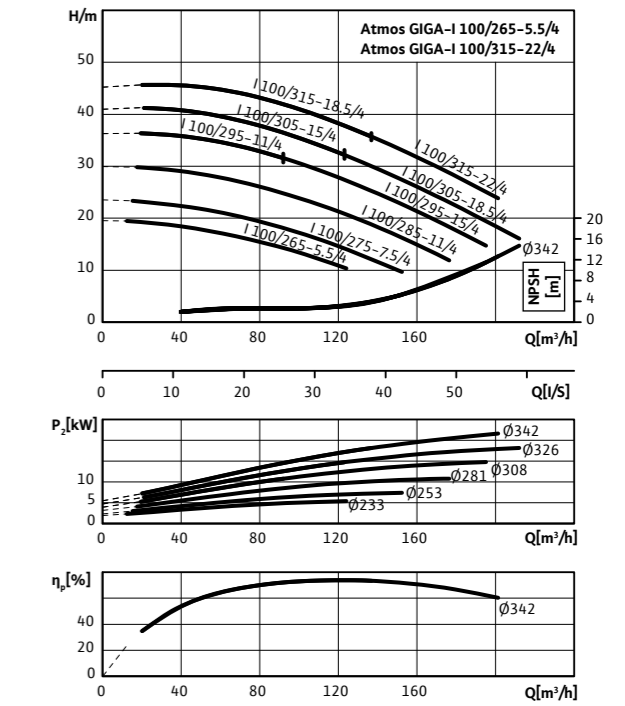
Atmos GIGA-I 100/230-5.5/4~I 100/250-11/4

Speed 1450 rpm



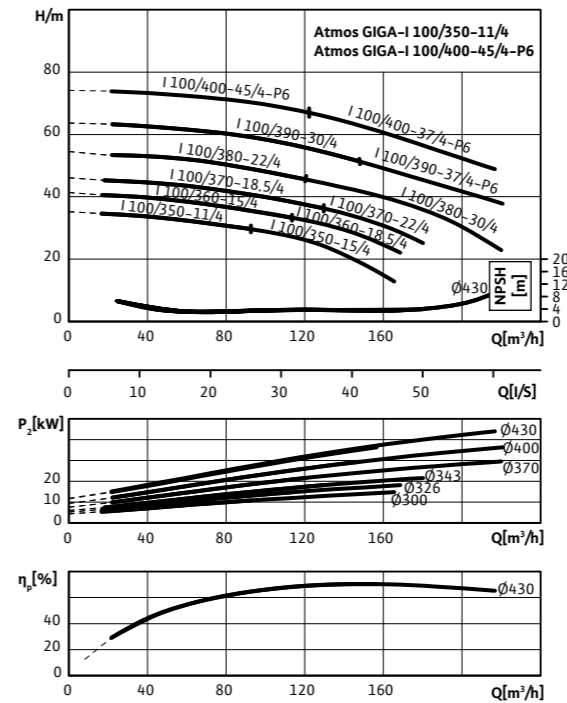
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Speed 1450 rpm



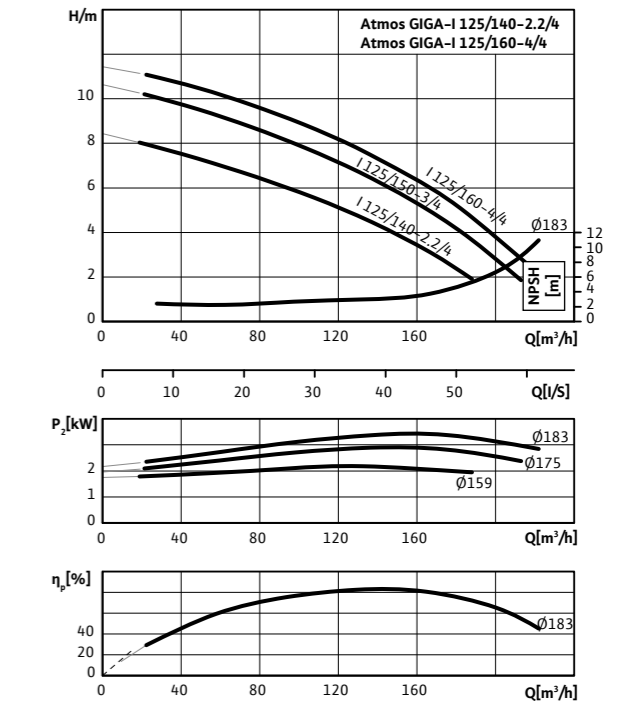
Atmos GIGA-I 100/350-11/4~I 100/400-45/4

Speed 1450 rpm



Atmos GIGA-I 125/140-2.2/4~I 125/160-4/4

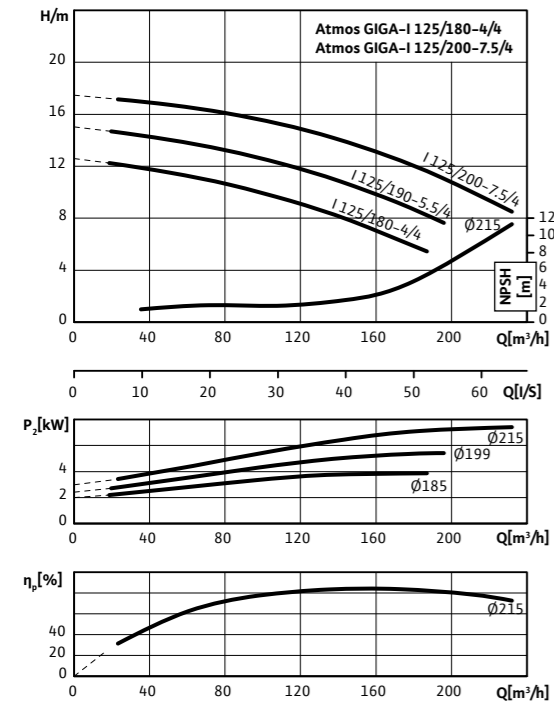
Speed 1450 rpm



### Pump curves Atmos GIGA-I ( 4 极 ) 性能曲线

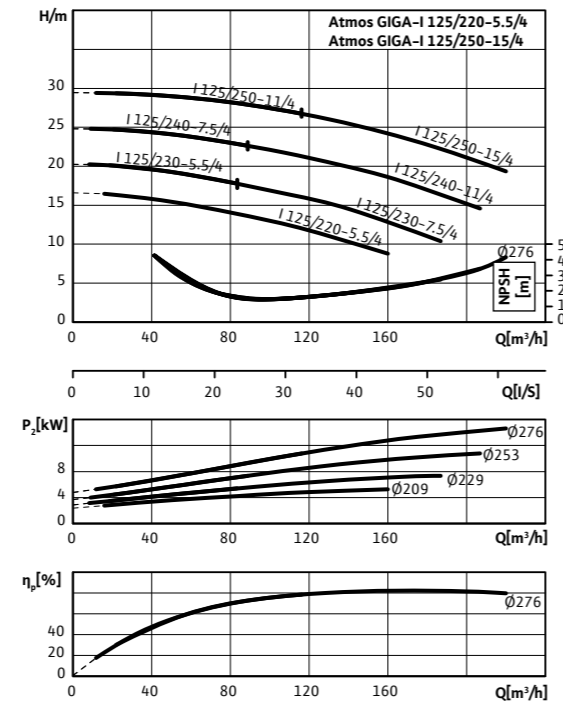
Atmos GIGA-I 125/180-4/4~125/200-7.5/4

Speed 1450 rpm



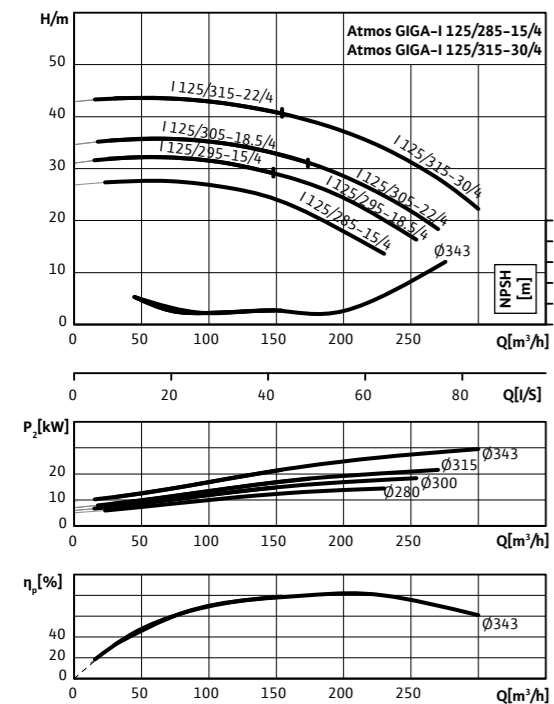
Atmos GIGA-I 125/220-5.5/4~125/250-15/4

Speed 1450 rpm



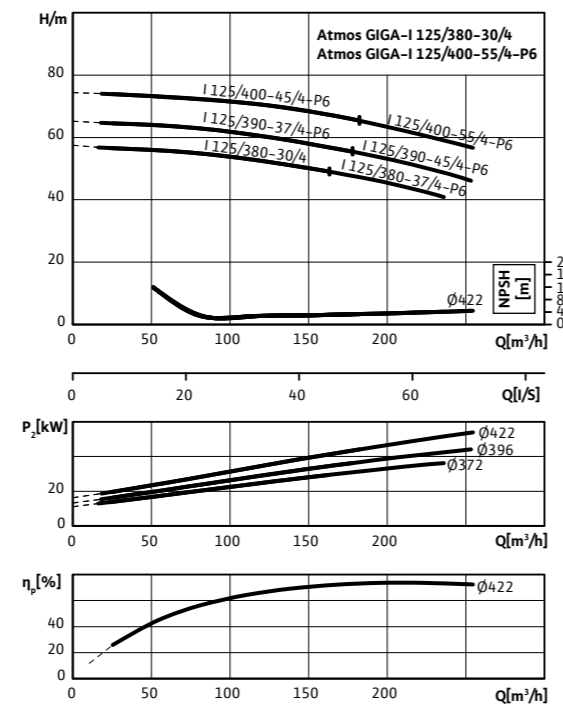
Atmos GIGA-I 125/285-15/4~125/315-30/4

Speed 1450 rpm



Atmos GIGA-I 125/380-30/4~125/400-55/4

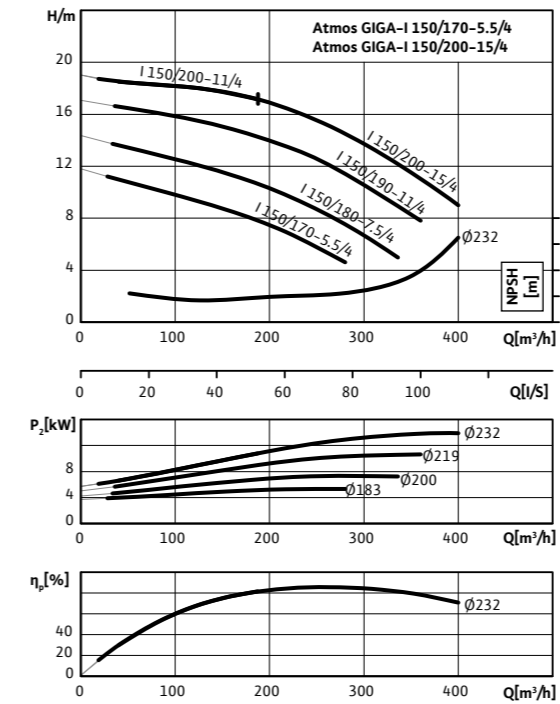
Speed 1450 rpm



### Pump curves Atmos GIGA-I ( 4 极 ) 性能曲线

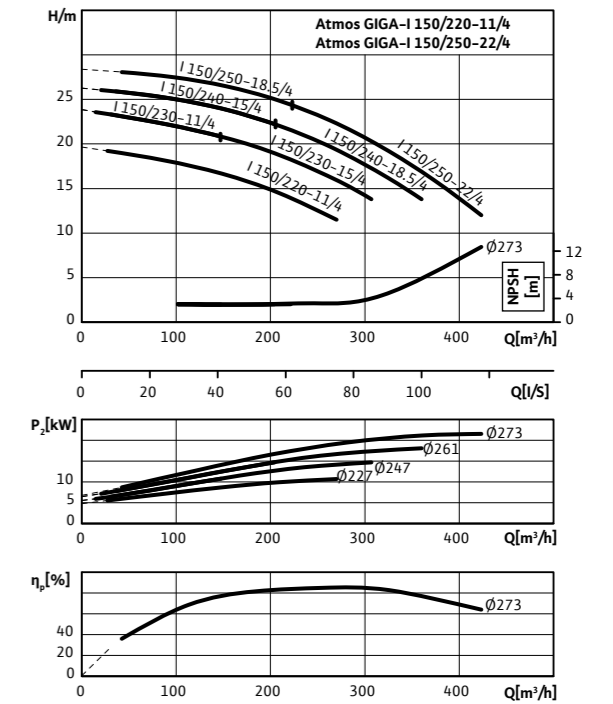
Atmos GIGA-I 150/170-5.5/4~150/200-15/4

Speed 1450 rpm



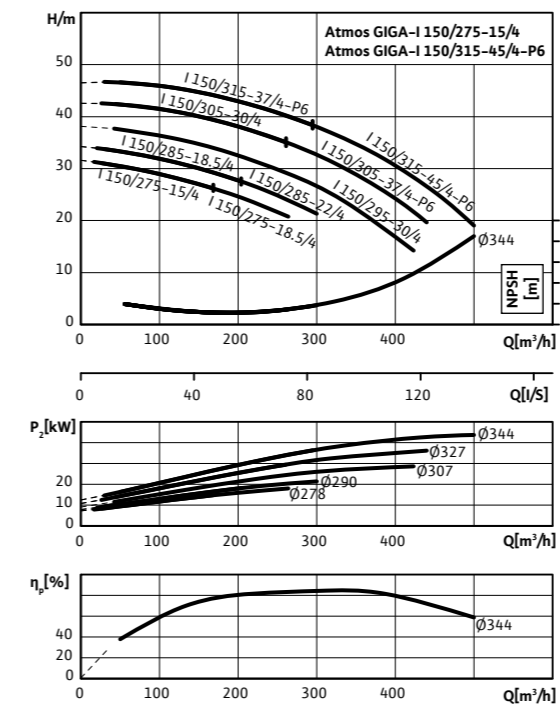
Atmos GIGA-I 150/220-11/4~150/250-22/4

Speed 1450 rpm



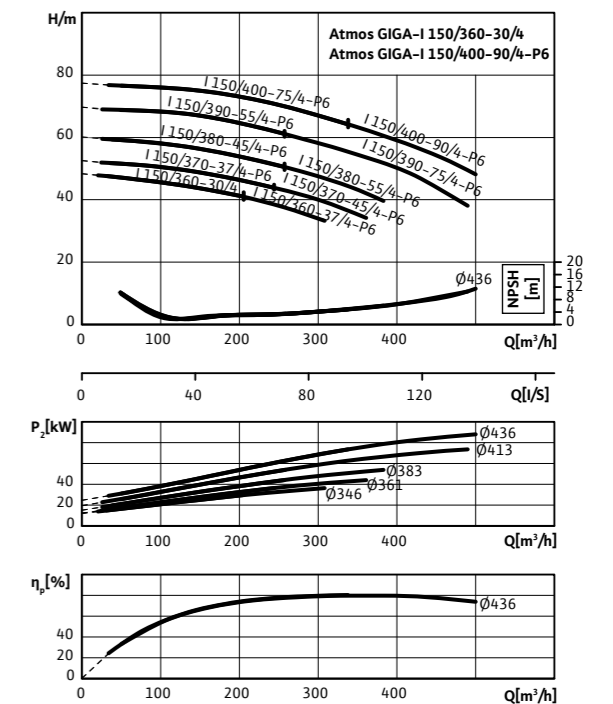
Atmos GIGA-I 150/275-15/4~150/315-45/4

Speed 1450 rpm



Atmos GIGA-I 150/360-30/4~150/400-90/4

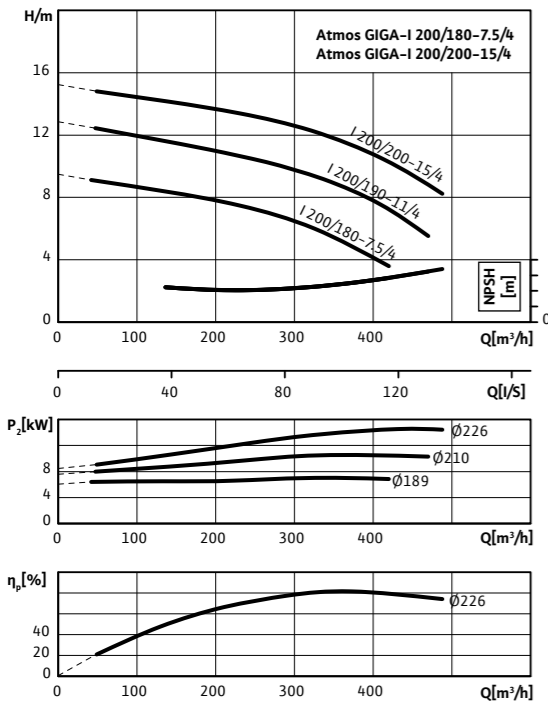
Speed 1450 rpm



### Pump curves Atmos GIGA-I ( 4 极 ) 性能曲线

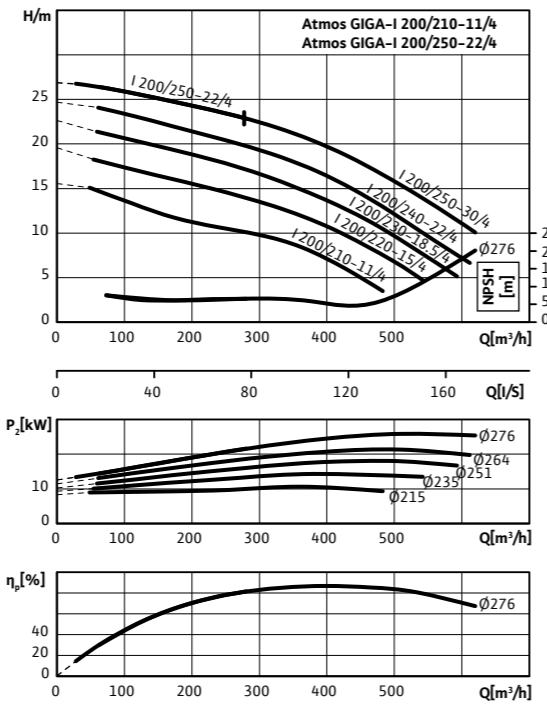
Atmos GIGA-I 200/180-7.5/4~I 200/200-15/4

Speed 1450 rpm



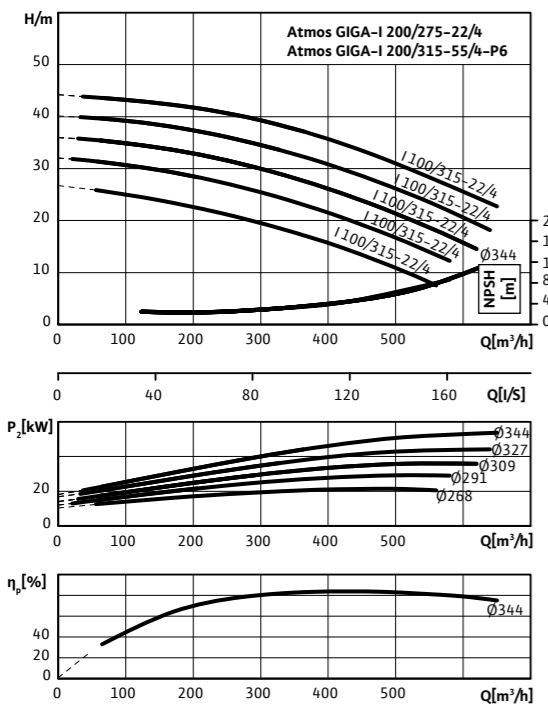
Atmos GIGA-I 200/210-11/4~I 200/250-22/4

Speed 1450 rpm



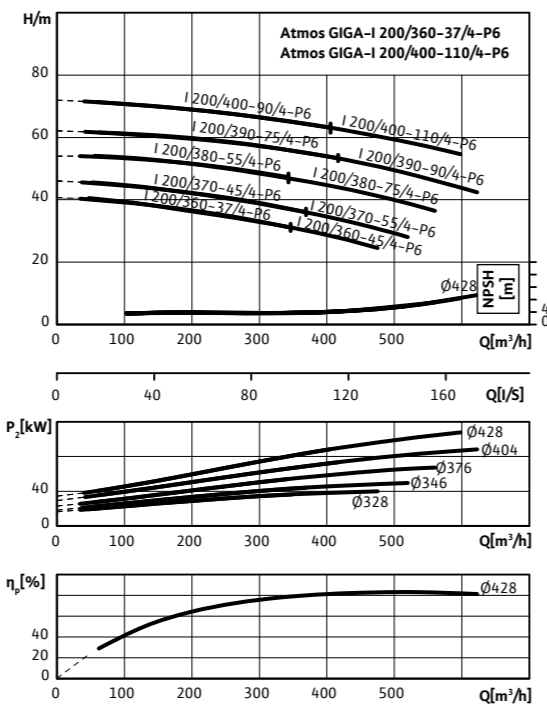
Atmos GIGA-I 200/275-22/4~I 200/315-55/4

Speed 1450 rpm



Atmos GIGA-I 200/360-37/4~I 200/400-110/4

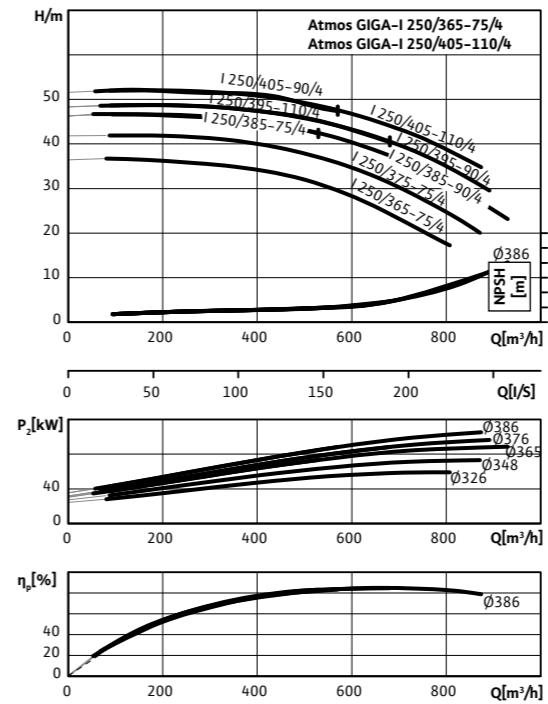
Speed 1450 rpm



### Pump curves Atmos GIGA-I ( 4 极 ) 性能曲线

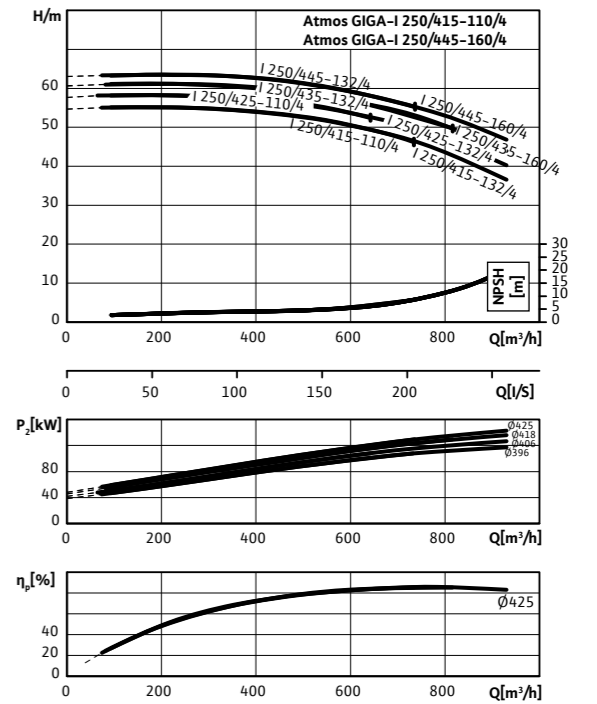
Atmos GIGA-I 250/365-75/4~I 250/405-110/4

Speed 1450 rpm



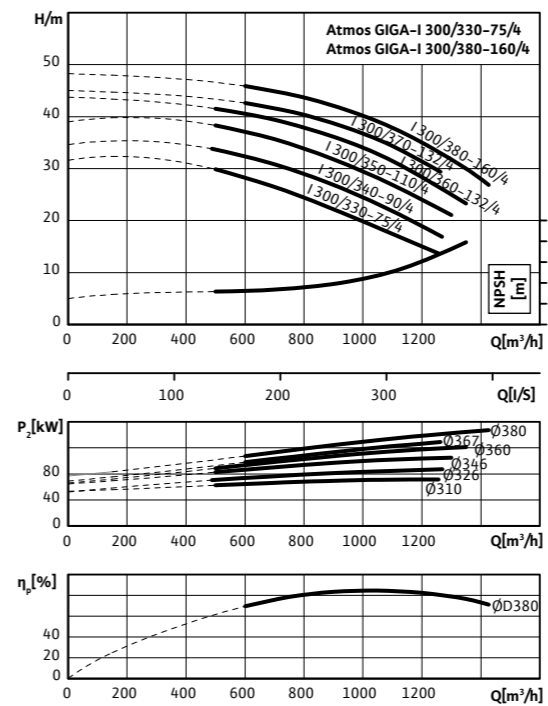
Atmos GIGA-I 250/415-110/4~I 250/445-160/4

Speed 1450 rpm



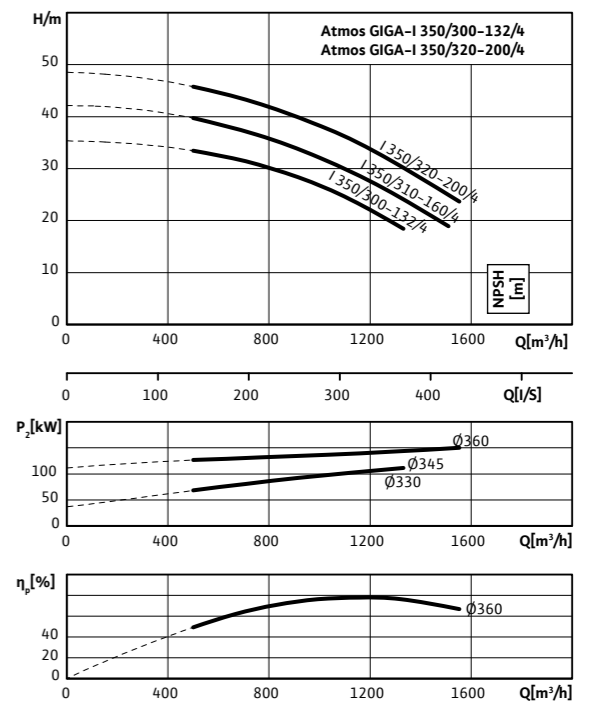
Atmos GIGA-I 300/330-75/4~I 300/380-160/4

Speed 1450 rpm



Atmos GIGA-I 350/300-132/4~I 350/320-200/4

Speed 1450 rpm



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