

|                                                                                  |                                                  |              |                        |
|----------------------------------------------------------------------------------|--------------------------------------------------|--------------|------------------------|
|  | <b>Product Information</b><br><br><b>LVR20-3</b> | Manufacturer | LEO                    |
|                                                                                  |                                                  | Address      | China,Zhejiang,Wenling |
|                                                                                  |                                                  | Contact      |                        |
|                                                                                  |                                                  | Date         |                        |
| Project Name                                                                     |                                                  | Client Name  | LEO Sibir LLC          |
|                                                                                  |                                                  | Client Addr. | Novosibirsk            |
| Item NO                                                                          |                                                  | Contacts     |                        |
|                                                                                  |                                                  | Contact      |                        |

|                                                                                   |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|-----------------------------------------------------------------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Part NO.                                                                          | 50005190                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Product Picture                                                                   |                           | Note                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
|  |                           | <p>LVR series verrtical multistage centrifugal pump is applicable to transfer liquids without solid particles&lt;0.2mm and fiberslow viscositynon-inflammable non-explosive and not easy vaporization. Widely used in high-rise building water supply and drainageWater filtration and transportation, pipeline pressurization. High pressure flushing and cleaning system. Boiler feed water, cooling water circulation, water treatment system and other equipment supporting system. Ultrafiltration system, reverse osmosis system, distillation system, separator, swimming pool and other water treatment systems. Irrigation and drip irrigation systems in agriculture. food and beverage and fire fighting systems.</p> |  |
| <b>Nameplate parameters</b>                                                       |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| flow                                                                              | 20 m³/h                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| head                                                                              | 36 m                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| speed                                                                             | 2900 rpm                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| number of stages                                                                  | 3                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Technical</b>                                                                  |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Flow range (m³/h)                                                                 | 10.5-29m3/h               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Curve tolerance                                                                   | ISO 9906 Annex A          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Head range (m)                                                                    |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Material</b>                                                                   |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Impeller                                                                          | AISI 304                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Diffuser                                                                          | AISI 304                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Pump shaft                                                                        | AISI 304                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Pump flange                                                                       | 0                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Motor base                                                                        | 0                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Coupling                                                                          | ferrous powder metallurgy |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Pump barrel                                                                       | AISI 304                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Working conditions</b>                                                         |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Medium temperature (°C)                                                           | -20°C ~ +120°C            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Max. ambient temperature (°C)                                                     | +40°C                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Pumped medium                                                                     | Clean water               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Working pressure                                                                  | 25bar                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Maximum inlet pressure                                                            | 8bar                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Installation</b>                                                               |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Connection method                                                                 | DIN flange                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Inlet / outlet dia.                                                               | DN50                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Motor</b>                                                                      |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Motor phase                                                                       | Three phase               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Protection class                                                                  | IP55                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Motor poles                                                                       | 2                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Insulation class                                                                  | F                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Motor power (KW)                                                                  | 4kW                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Motor model                                                                       | YX3-112M-2                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Frequency                                                                         | 50Hz                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Rated voltage (V)                                                                 | 380V                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |

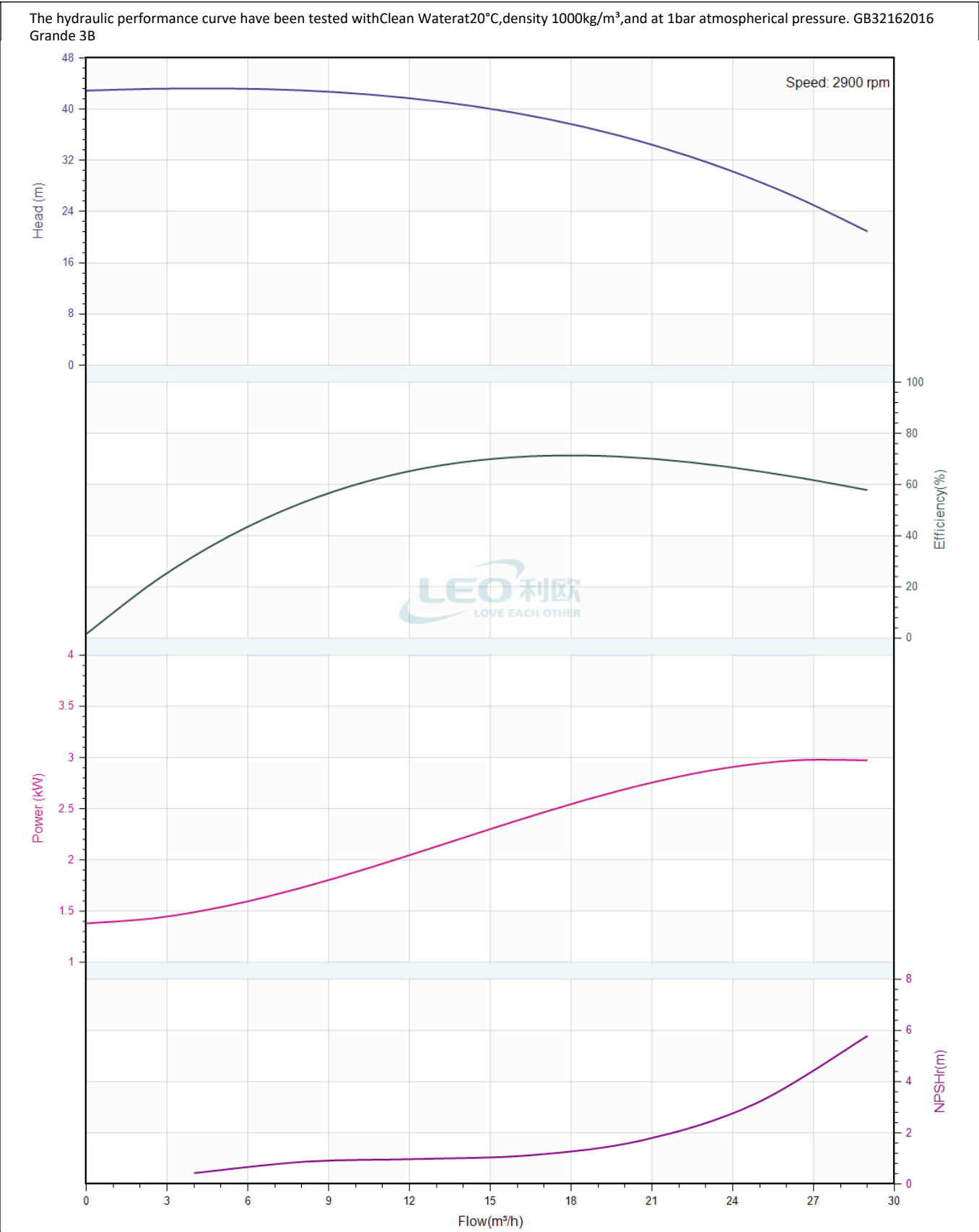
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|----------------------------------------------------------------------------------|----------------------------------------------|--------------|------------------------|
|  | <b>Product Information</b><br><b>LVR20-3</b> | Manufacturer | LEO                    |
|                                                                                  |                                              | Address      | China,Zhejiang,Wenling |
|                                                                                  |                                              | Contact      |                        |
|                                                                                  |                                              | Date         |                        |
| <b>Project Name</b>                                                              |                                              | Client Name  | LEO Sibir LLC          |
|                                                                                  |                                              | Client Addr. | Novosibirsk            |
| <b>Item NO</b>                                                                   |                                              | Contacts     |                        |
|                                                                                  |                                              | Contact      |                        |

Rated current (A) 8.05A  
Efficiency class IE2  
Power factor 0.88  
Efficiency (%)

**Weight/Packaging**  
Net weight (kg) 60.85  
Gross weight (kg) 67.65  
Package size 890\*310\*370mm

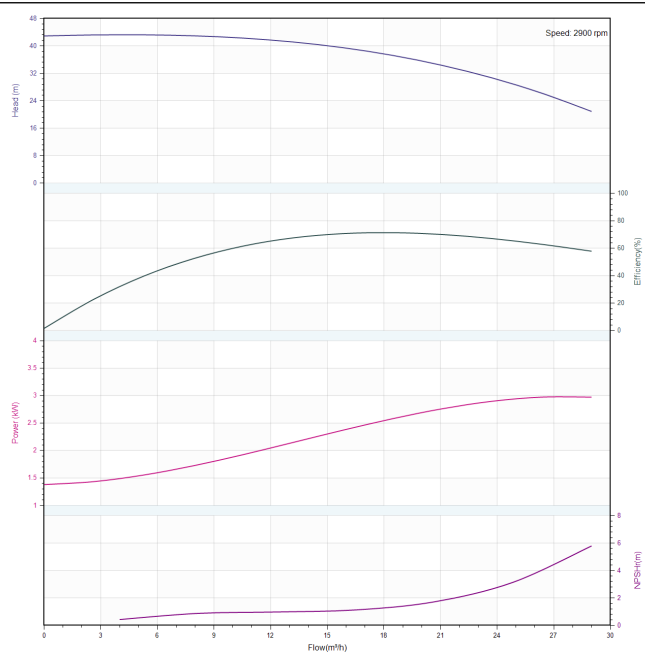


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|----------------------------------------------------------------------------------|------------------------------------------------|--------------|------------------------|
|  | <b>Performance Curve</b><br><br><b>LVR20-3</b> | Manufacturer | LEO                    |
|                                                                                  |                                                | Address      | China,Zhejiang,Wenling |
|                                                                                  |                                                | Contact      |                        |
|                                                                                  |                                                | Date         |                        |
| Project Name                                                                     |                                                | Client Name  | LEO Sibir LLC          |
|                                                                                  |                                                | Client Addr. | Novosibirsk            |
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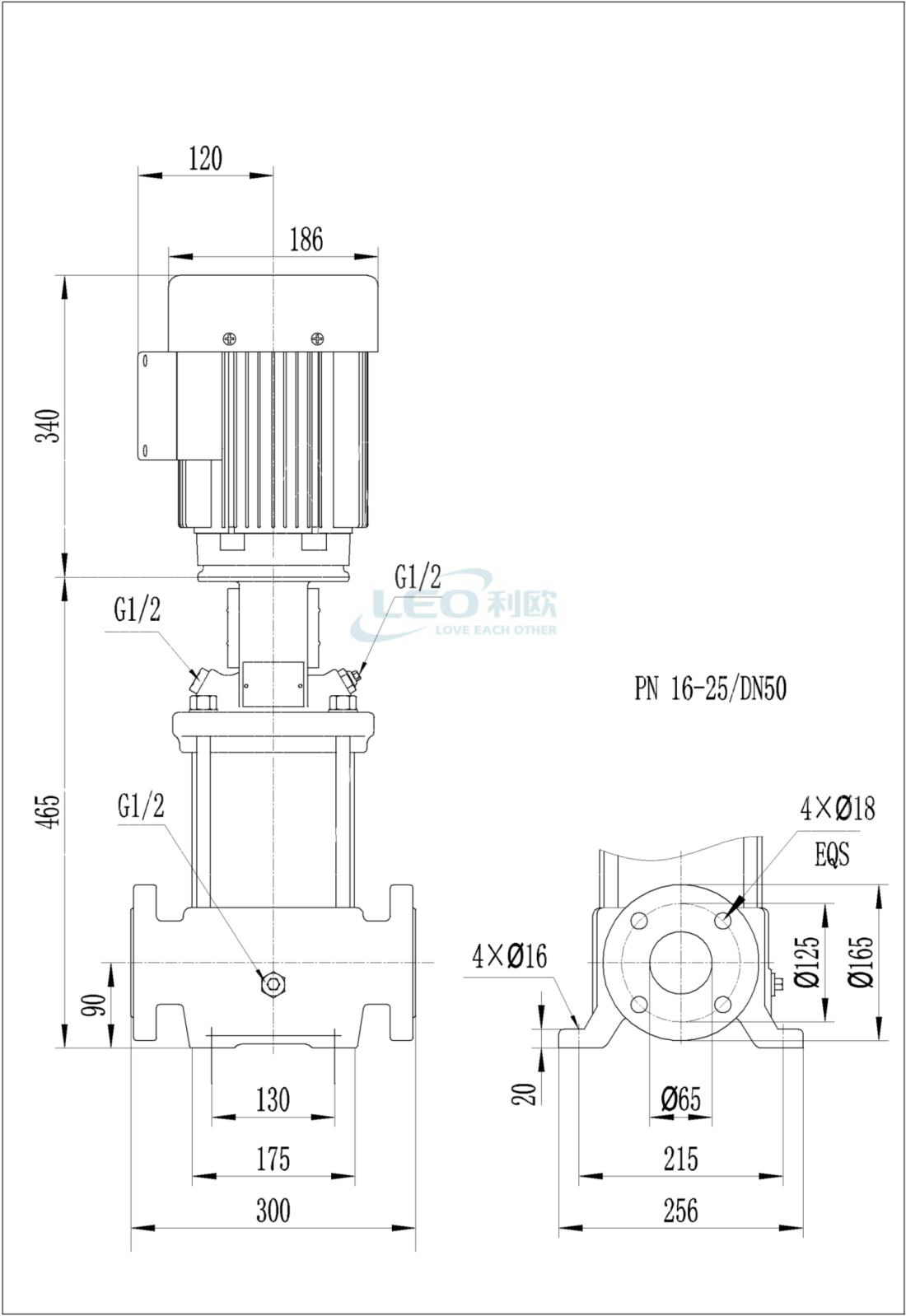


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|----------------------------------------------------------------------------------|--------------------------------------------------------|--------------|------------------------|
|  | <b>Pump Technical Parameters</b><br><br><b>LVR20-3</b> | Manufacturer | LEO                    |
|                                                                                  |                                                        | Address      | China,Zhejiang,Wenling |
|                                                                                  |                                                        | Contact      |                        |
|                                                                                  |                                                        | Date         |                        |
| Project Name                                                                     |                                                        | Client Name  | LEO Sibir LLC          |
|                                                                                  |                                                        | Client Addr. | Novosibirsk            |
| Item NO                                                                          |                                                        | Contacts     |                        |
|                                                                                  |                                                        | Contact      |                        |

| Rated parameters         |             |
|--------------------------|-------------|
| Pump model               | LVR20-3     |
| Part NO.                 | 50005190    |
| Rated flow               | 20 m³/h     |
| Rated head               | 36 m        |
| Rated efficiency (%)     | 72          |
| Power (kW)               | 2.72        |
| Speed (rpm)              | 2900        |
| Medium                   |             |
| Pumped medium            | Clean Water |
| Working temperature (°C) | 20          |
| Medium density (kg/m³)   | 1000        |
| Viscosity (mm²/s)        | 1           |



|                                                                                  |                                                |              |                        |
|----------------------------------------------------------------------------------|------------------------------------------------|--------------|------------------------|
|  | <b>Dimension Drawing</b><br><br><b>LVR20-3</b> | Manufacturer | LEO                    |
|                                                                                  |                                                | Address      | China,Zhejiang,Wenling |
|                                                                                  |                                                | Contact      |                        |
|                                                                                  |                                                | Date         |                        |
| Project Name                                                                     |                                                | Client Name  | LEO Sibir LLC          |
|                                                                                  |                                                | Client Addr. | Novosibirsk            |
| Item NO                                                                          |                                                | Contacts     |                        |
|                                                                                  |                                                | Contact      |                        |



|                                                                                  |                                     |              |                        |
|----------------------------------------------------------------------------------|-------------------------------------|--------------|------------------------|
|  | <b>Order Data</b><br><b>LVR20-3</b> | Manufacturer | LEO                    |
|                                                                                  |                                     | Address      | China,Zhejiang,Wenling |
|                                                                                  |                                     | Contact      |                        |
|                                                                                  |                                     | Date         |                        |
|                                                                                  |                                     | Client Name  | LEO Sibir LLC          |
| <b>Project Name</b>                                                              |                                     | Client Addr. | Novosibirsk            |
| <b>Item NO</b>                                                                   |                                     | Contacts     |                        |
|                                                                                  |                                     | Contact      |                        |

Pump model                      LVR20-3  
Part NO.                         50005190  
Product price  
Quantity                         1  
Total price

Inquiry notes

