

|                                                                                                         |                                                   |          |                     |
|---------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------|---------------------|
| <br>TADMUR PUMP FACTORY | <b>Product Information</b><br><br><b>TPH 4-40</b> |          |                     |
|                                                                                                         |                                                   | Address  |                     |
|                                                                                                         |                                                   | Contact  |                     |
|                                                                                                         |                                                   | Date     | 2023/06/03          |
| <b>Project Name</b>                                                                                     |                                                   | Name     | Tadmur Pump Factory |
|                                                                                                         |                                                   | Addr.    | Salwa Road Doha     |
| <b>Item NO</b>                                                                                          |                                                   | Contacts | TPF                 |
|                                                                                                         |                                                   |          |                     |

|                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part NO.                                                                          | 50021918                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Product Picture                                                                   | Note                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|  | Domestic water pressure boosting<br>Commercial water supply<br>Cooling and air conditioning<br>Centralized heating system<br>Light industrial plants<br>Irrigation system<br>Filtration system<br>Washing plants<br>Reverse-Osmosis system<br>It is applicable to household water supply,equipment support,pipeline pressurization,garden watering,vegetable greenhouse watering,fish farming and poultry raising, industrial and mining, water supply and drainage of enterprises and high-rise buildings,central air conditioner and centralized heating circulation system, etc. |
| <b>Nameplate parameters</b>                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| flow                                                                              | 5 m <sup>3</sup> /h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| head                                                                              | 26 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Efficiency                                                                        | 33.7 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| speed                                                                             | 2850 rpm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| number of stages                                                                  | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Technical</b>                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Flow range (m <sup>3</sup> /h)                                                    | 5m <sup>3</sup> /h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Curve tolerance                                                                   | ISO 9906 Annex A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Material</b>                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Impeller                                                                          | AISI 304                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Diffuser                                                                          | AISI 304                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Pump inlet                                                                        | HT200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Fan                                                                               | PP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Fan cover                                                                         | 08F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Discharge chamber                                                                 | HT200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Motor support                                                                     | ZALSi12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Shaft sleeve                                                                      | AISI 304                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Front end cover                                                                   | HT200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Mechanical seal                                                                   | silicon/graphite                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Pump cover (body)                                                                 | ZL 102                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Working conditions</b>                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Medium temperature (°C)                                                           | 0°C+85°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Max. ambient temperature (                                                        | +50°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Pumped medium                                                                     | Clean water                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Working pressure                                                                  | 10bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Maximum inlet pressure                                                            | Limited by maximum working pressure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Installation</b>                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Installation                                                                      | horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Inlet diameter (mm)                                                               | G1 1/4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Outlet diameter (mm)                                                              | G1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Connection standard                                                               | Internal thread                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Rotation direction                                                                | Clockwise from drive end                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Maximum Suction                                                                   | It is related to NPSH (cavitation allowance), medium temperature, installation location, sea level height                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Motor</b>                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Motor phase                                                                       | Single phase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |





TADMUR PUMP FACTORY

## Performance Curve

TPH 4-40

Address

Contact

Date

2023/06/03

Project Name

Name

Tadmur Pump Factory

Addr.

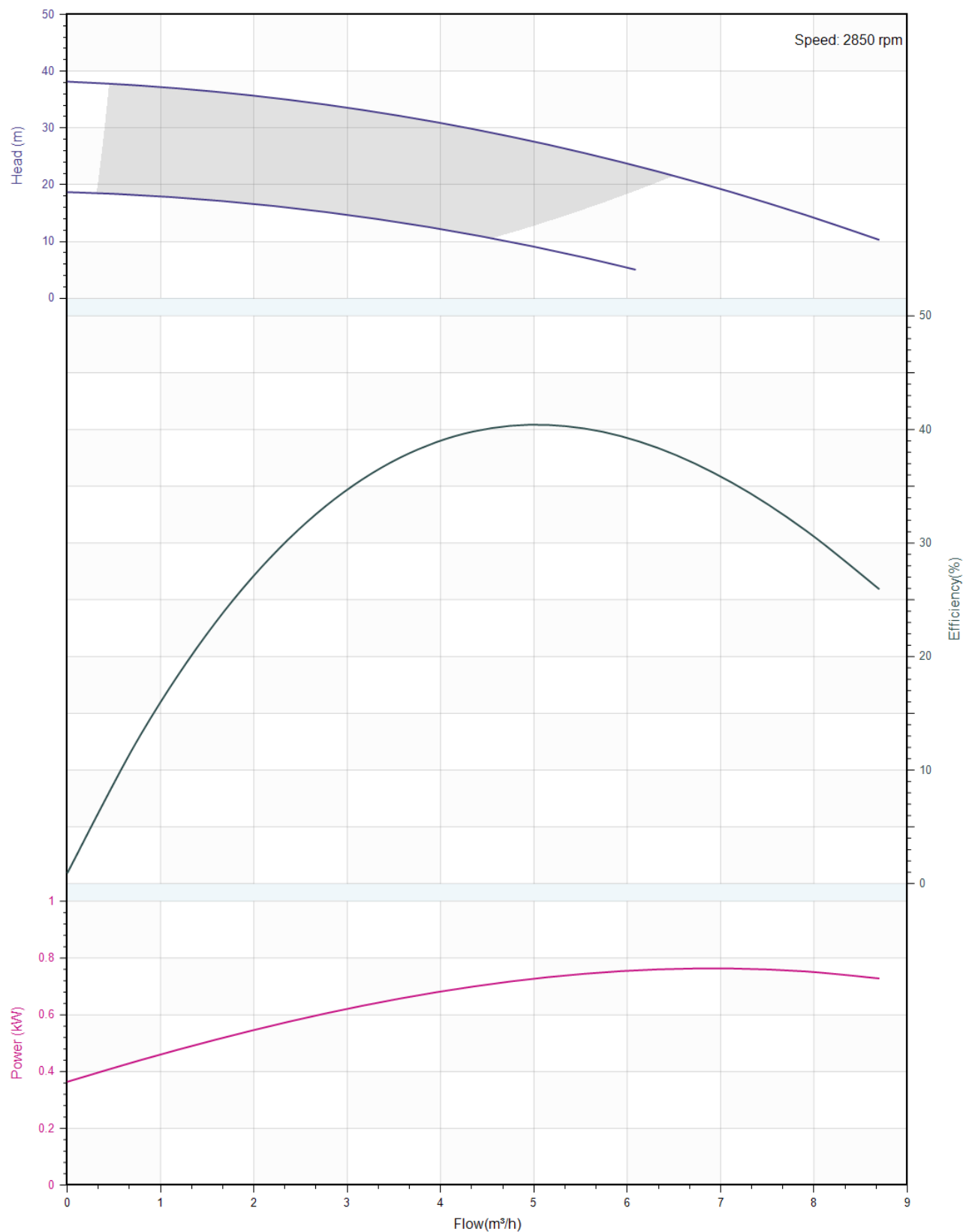
Salwa Road Doha

Item NO

Contacts

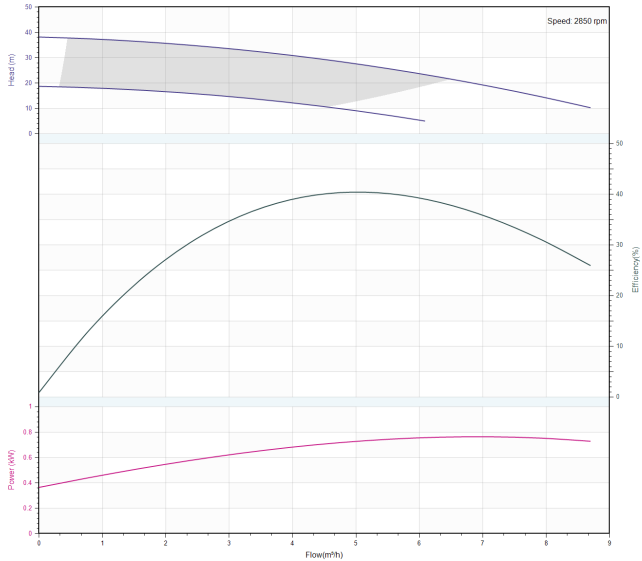
TPF

The hydraulic performance curve have been tested with Clean Water at 20°C, density 1000kg/m<sup>3</sup>, and at 1bar atmospheric pressure. GB32162016 Grande 3B



|                                                                                                         |                                                         |          |                     |
|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----------|---------------------|
| <br>TADMUR PUMP FACTORY | <b>Pump Technical Parameters</b><br><br><b>TPH 4-40</b> | Address  |                     |
|                                                                                                         |                                                         | Contact  |                     |
|                                                                                                         |                                                         | Date     | 2023/06/03          |
|                                                                                                         |                                                         | Name     | Tadmur Pump Factory |
| Project Name                                                                                            |                                                         | Addr.    | Salwa Road Doha     |
| Item NO                                                                                                 |                                                         | Contacts | TPF                 |
|                                                                                                         |                                                         |          |                     |

| Rated parameters         |             |
|--------------------------|-------------|
| Pump model               | TPH 4-40    |
| Part NO.                 | 50021918    |
| Rated flow               | 5 m³/h      |
| Rated head               | 26 m        |
| Speed (rpm)              | 2850        |
|                          |             |
| Medium                   |             |
| Pumped medium            | Clean Water |
| Working temperature (°C) | 20          |
| Medium density (kg/m³)   | 1000        |
| Viscosity (mm²/s)        | 1           |
|                          |             |





TADMUR PUMP FACTORY

## Dimension Drawing

TPH 4-40

Address

Contact

Date

2023/06/03

Name

Tadmur Pump Factory

Addr.

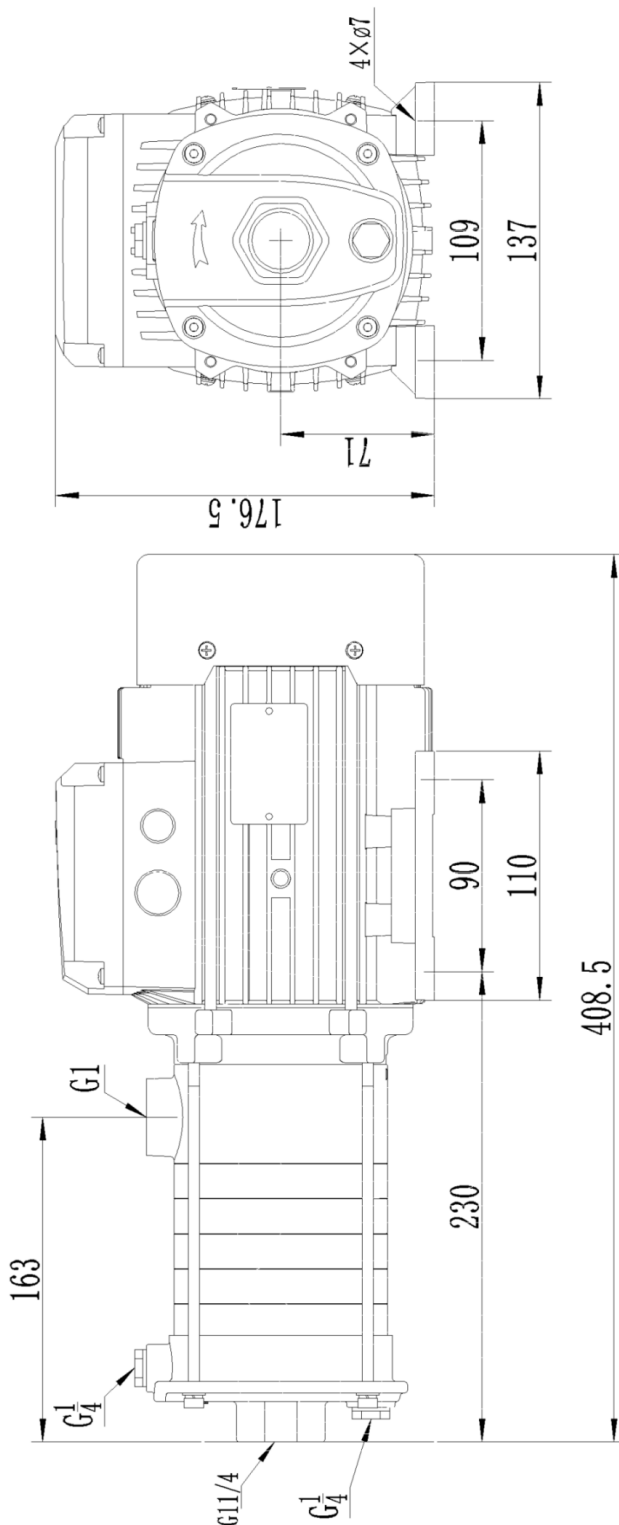
Salwa Road Doha

Contacts

TPF

Project Name

Item NO



|                                                                                                         |                                                |          |                     |
|---------------------------------------------------------------------------------------------------------|------------------------------------------------|----------|---------------------|
| <br>TADMUR PUMP FACTORY | <b>Physical picture</b><br><br><b>TPH 4-40</b> |          |                     |
|                                                                                                         |                                                | Address  |                     |
|                                                                                                         |                                                | Contact  |                     |
|                                                                                                         |                                                | Date     | 2023/06/03          |
| <b>Project Name</b>                                                                                     |                                                | Name     | Tadmur Pump Factory |
| <b>Item NO</b>                                                                                          |                                                | Addr.    | Salwa Road Doha     |
|                                                                                                         |                                                | Contacts | TPF                 |
|                                                                                                         |                                                |          |                     |

