

3SCD9/22/5 T L05

| | | |
|-----------------------|-----------------------|--|
| Technical data | Company name | |
| | Contact | |
| | Phone number | |
| | e-mail address | |

| Operating data | | | | |
|----------------|---------------------------|---------------------|---------------------------|--------------------------|
| 1 | Pumpe type | Single head pump | Fluid | Water, pure |
| 2 | No. of pumps | 1 | Operating temperature t A | °C 4 |
| 3 | Nominal flow | m ³ /h 0 | pH-value at t A | 7 |
| 4 | Nominal head | m 0 | Density at t A | kg/m ³ 1000 |
| 5 | Static head | m 0 | Kin. viscosity at t A | mm ² /s 1.569 |
| 6 | Inlet pressure | kPa 0 | Vapor pressure at t A | kPa 100 |
| 7 | Environmental temperature | °C 20 | Solids | 0 |
| 8 | Available system NPSH | m 0 | Altitude | m 0 |

| Pump data | | | | |
|-----------|-----------------------|-----------------------|-------------|----------------------------|
| 9 | Design | Borehole pumps | | |
| 10 | Execution | | Impeller Ø | Max. mm 0 |
| 11 | Operating speed | rpm 2900 | designed | mm |
| 12 | Number of stages | 9 | Min. | mm 0 |
| 13 | Suction nozzle | protected by strainer | Nominal | m ³ /h () |
| 14 | Discharge nozzle | / | Flow | Max- m ³ /h 4.2 |
| 15 | Max. casing pressure | kPa | Min- | m ³ /h 1.2 |
| 16 | Max. working pressure | kPa 977.6 | Head | Nominal m |
| 17 | Impeller type | | at Qmax | m 37.5 |
| 18 | Head H(Q=0) | m 100 | at Qmin | m 89 |
| 19 | Max. shaft power | kW 1.7 | Shaft power | kW () |
| 20 | Total weight | kg 20.7 | Efficiency | % |
| 21 | | | NPSH 3% | m |

| Materials | | | | |
|-----------|--------------------------|---------------------------------|-----------------------------------|---|
| 22 | | Pump | | |
| 23 | Head | Stainless steel / ASTM A743 CF8 | Upper head | Technopolymer |
| 24 | Capacitor | - | Upper bearing support | Stainless steel / AISI 304 |
| 25 | Connection container | PA66-GF25 | Sleeve with wound stator | Stainless steel / AISI 304 |
| 26 | Motor shaft | Stainless steel / AISI 431 | Internal mech. seal (rotary part) | Carbographite |
| 27 | Lower bearing support | Die-cast aluminium | Internal mech. seal (fixed part) | Steatite |
| 28 | Lower head | Technopolymer | External mech. seal | Silicon carbide / Silicon carbide / NBR |
| 29 | Final bowl | Stainless steel / AISI 304 | Pump shaft | Stainless steel / AISI 431 |
| 30 | Diffuser | Stainless steel / AISI 304 | Pump body | Stainless steel / AISI 304 |
| 31 | Impeller | Technopolymer | Base | Aluminium |
| 32 | Elastomers | Nitrile rubber (NBR) | Sleeve | Stainless steel / AISI 304 |
| 33 | Capacitor housing spacer | PA66-GF25 | PLUG | Stainless steel / AISI 304 |
| 34 | | | | |
| 35 | | | | |
| 36 | | | | |
| 37 | | | | |
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| 41 | | | | |

| Motor data | | | | Cable | |
|------------|--|--------|------------------|---------------------|---------------------------------|
| 42 | Manufacturer | Type | MOT_3SC9/22/5T | Cable type | |
| 43 | Specific design Three phase pump motor | | | Cable cross section | mm ² |
| 44 | Rated power | 2.2 kW | Phases | 3 | Environmental temperature °C 20 |
| 45 | Corrected motor power | 2.2 kW | No. starts / h | max. 20 | cable length m |
| 46 | coolant speed | min. | Weight | 0 kg | |
| 47 | Rated current | 3.68 A | Electric voltage | 400 V | |
| 48 | Reduced current | 3.68 A | Starting mode | Directly | |
| 49 | Degree of protection | IP 68 | Speed | 2850 rpm | |
| 50 | motor connection | | Installation | | |

| Remarks | | | | |
|---------|--|--|--|--|
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| Project | Project ID | Created by Joshua Harvey | Created on 04-07-21 | Last update 04-07-21 |
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Performance curve

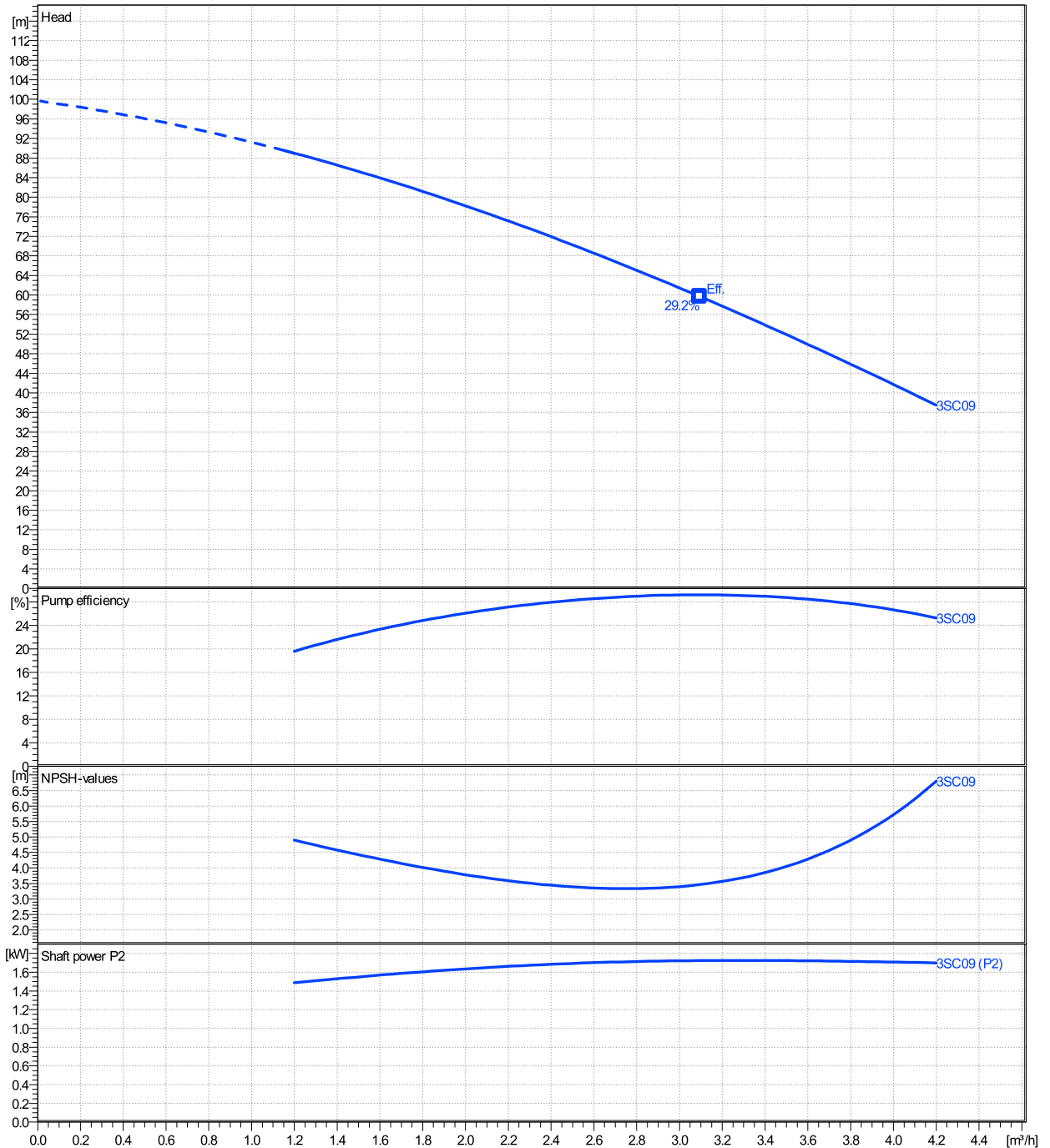
Company name
Contact
Phone number
e-mail address

| | Ø mm | Pump capacity | | | Pump head | | Shaft power P2 | | | Frequency | | Hz | 50 |
|--------|---------|---------------------------------|--------------|-------------------|-------------|----------------|----------------|------------|-----------------|------------------------|------|----|----|
| | | Operating range Min. m³/h | Max. m³/h | η Max. m³/h | H(Q=0) m | η Max. m | P2(Q=0) kW | Max. kW | η Max. kW | Operating speed rpm | 2900 | | |
| actual | 0 | 1.2 | 4.2 | 3.09 | 99.7 | 59.7 | | 1.73 | 1.72 | Nominal flow | m³/h | 0 | |
| Min. | 0 | / | / | 3.09 | 99.7 | 59.7 | | / | 1.72 | Nominal head | m | 0 | |
| Max. | 0 | / | / | 3.09 | 99.7 | 59.7 | | / | 1.72 | Inlet pressure | kPa | 0 | |
| | | | | | | | | | | Static head | m | 0 | |

Power datas referred to:

hydr. Performance acceptance acc. To EN ISO 9906 Class Grade

Water, pure [100%] ; 4°C; 1000kg/m³; 1.57mm²/s



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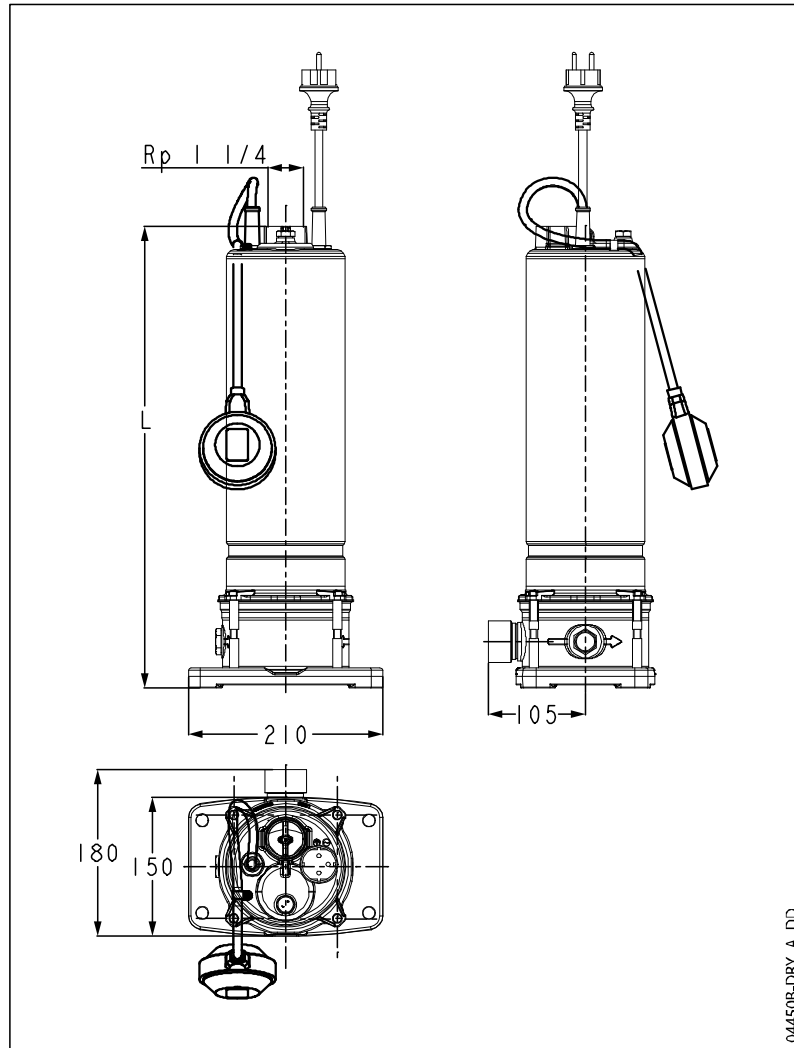
3SCD9/22/5 T L05

Dimensions

Company name
Contact
Phone number
e-mail address

Standard

Three phase pump motor
MOT_3SC9/22/5T



| Dimensions [mm] | |
|-------------------|-----|
| L | 648 |

| Weight (+/- 5%) [kg] | |
|------------------------|---------|
| Pump | 20.6 kg |
| Cable | |
| Motor | |
| Total weight | |

| Connections | |
|---|------------------|
| Suction nozzle protected by strainer | Discharge nozzle |

Dimensions and weight without obligation

| | | | | |
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