

Technical specifications sheet

Part number **22180040**

Description **DPVF 18-40~Flanged NW50~4kW ~50Hz 2P~IEC 112M~~Fixed Ca SiC EPDM**

Vertical centrifugal pump, suction and discharge connections in-line.

Quotation details

Quotation number

Project

Position

Search criteria

Medium to be pumped
 Flow 5.00 l/sec
 Pressure 4.2 bar

Hydraulic efficiency

Minimum efficiency index according: n.a.
 Commission Regulation (EU) No 547/2012

Actual duty point

Flow 5 l/sec
 Pressure 4.2 bar
 NPSH 1.9 m
 Efficiency 60 %
 Motor power 3.54 kW
 Frequency 50.0Hz

Connection base

Connection type Flanged
 DIN connection standard EN 1092-2
 ASME connection standard
 JIS connection standard
 DIN connection size NW50
 ASME connection size
 JIS connection size
 DIN connection pressure class PN25
 ASME connection pressure class
 JIS connection pressure class
 Material S/D casing AISI304
 Material flanges Cast Iron JL1040
 Material baseplate Cast Iron JL1040

Seal data

Shaft diameter ø 16mm
 Seal diameter ø 16mm
 Construction shaft seal Fixed
 Seal code 11
 Shaft seal type MG12-G60
 Material mechanical seal B Q1 E GG
 Material shaft seal rotor Ca
 Material shaft seal stator SiC
 Material shaft seal elastomer EPDM
 Material pump elastomer EPDM
 Material seal cover
 Pressure class shaft seal PN10
 Temperature range shaft seal -20/+100°C

Basic hydraulic data

Maximum working pressure PN25+120°C
 Maximum liquid temperature 120°C+PN25
 Minimum liquid temperature -20°C
 Material hydraulic AISI304

Plug

Air relieve construction Vent. plug
 Material plug Brass

For details contact

DP Pumps
 PO Box 28
 2400AA Alphen a/d Rijn
 The Netherlands

NL



Hydraulic performance sheet

Part number **22180040**

Description **DPVF 18-40~Flanged NW50~4kW ~50Hz 2P~IEC 112M~~Fixed Ca SiC EPDM**

Vertical centrifugal pump, suction and discharge connections in-line.

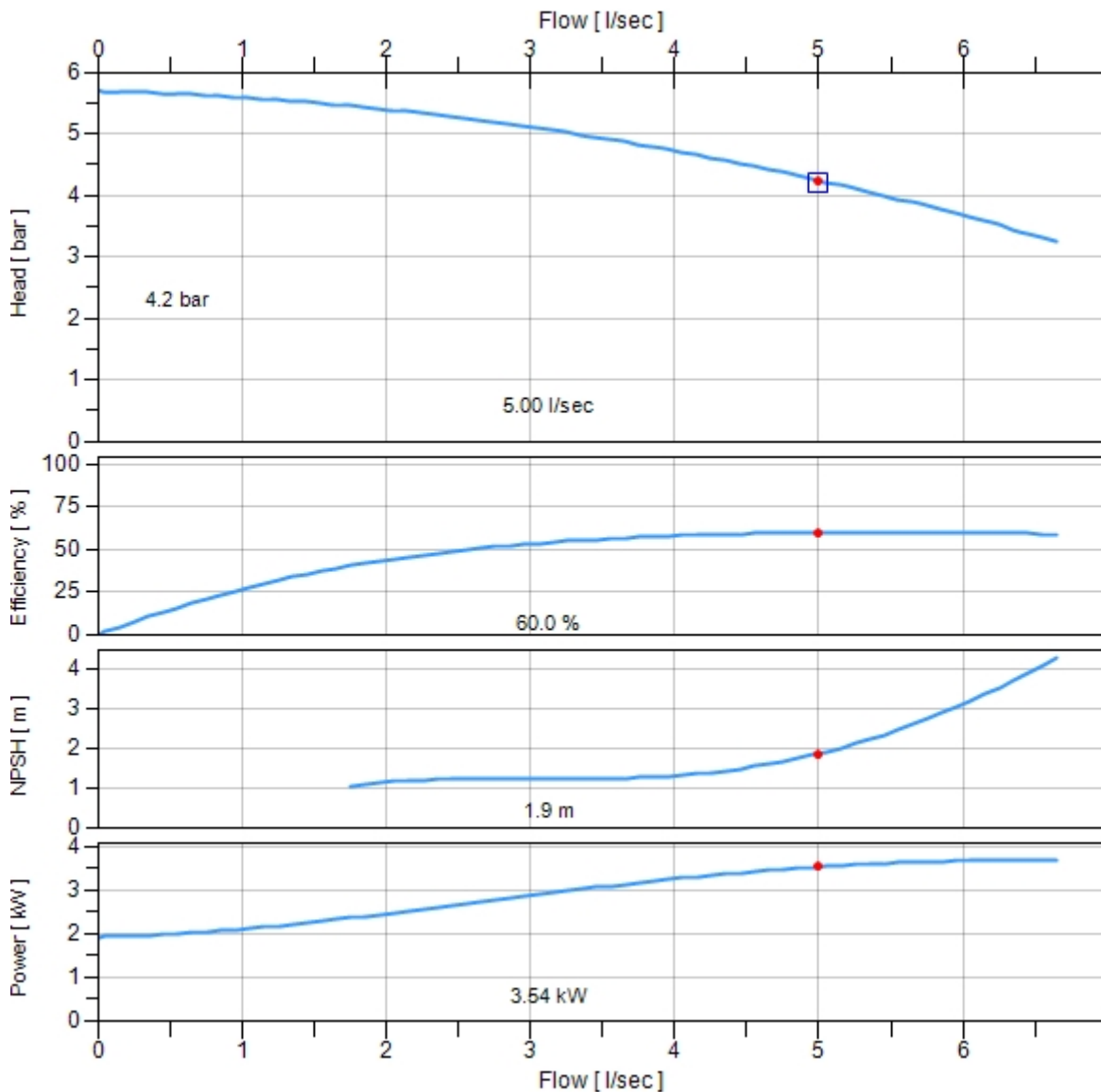
Search criteria

Medium to be pumped

Flow 5.00 l/sec
 Pressure 4.2 bar

Actual duty point

Flow 5.00 l/sec
 Pressure 4.2 bar
 Efficiency 60.0 %
 NPSH 1.9 m
 Power 3.54 kW
 Frequency 50.0Hz



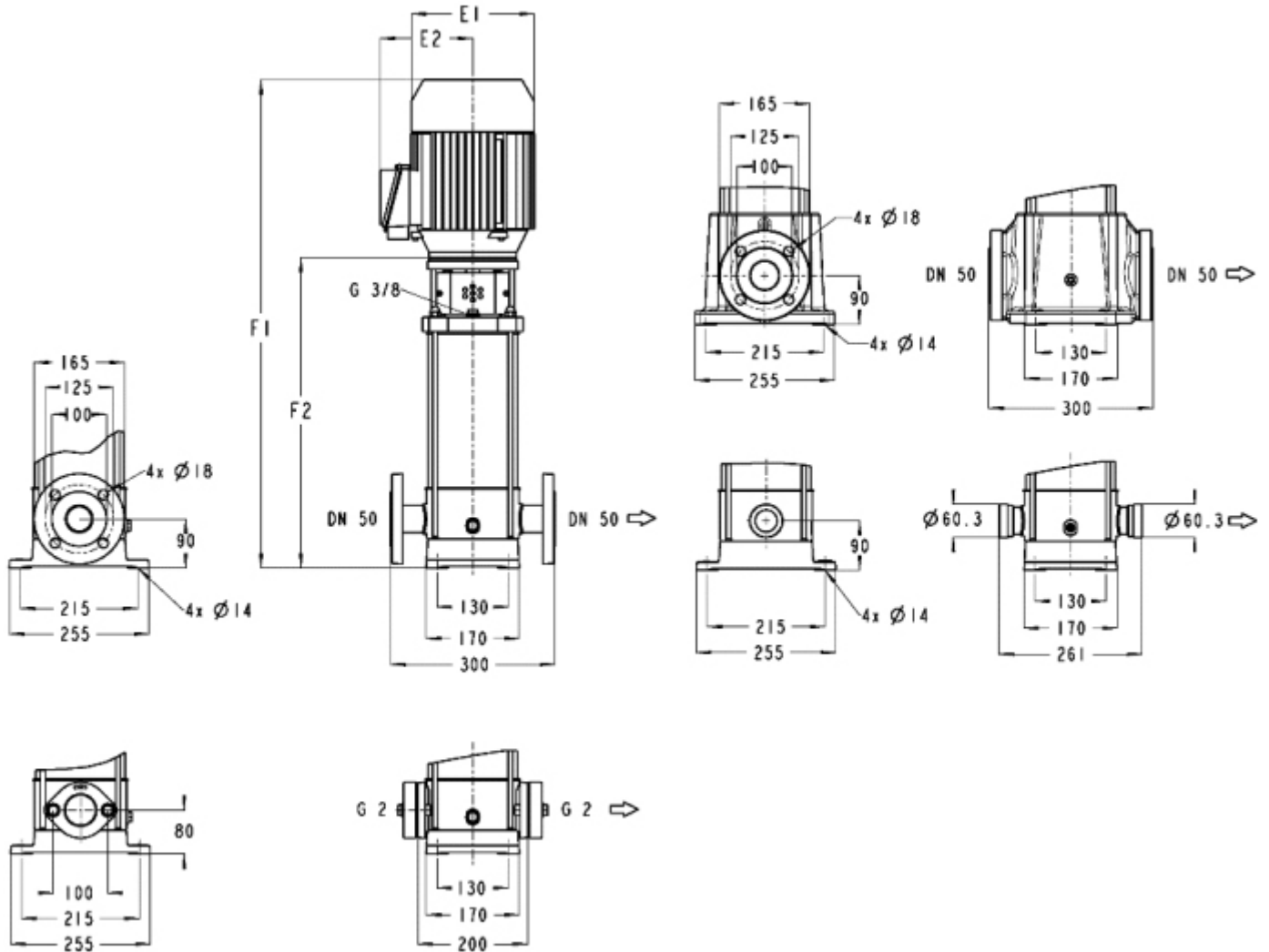
Duty point
 ● Actual
 □ Required

Dimensions sheet

Part number **22180040**

Description **DPVF 18-40~Flanged NW50~4kW ~50Hz 2P~IEC 112M~~Fixed Ca SiC EPDM**

Vertical centrifugal pump, suction and discharge connections in-line.



- Motor width (E1)
- Motor width (E2)
- Total height (F1)
- Total height (F2) 436mm
- Total net weight 25kg
- Length (S1)

Part number

Description **Motor 2P 112M**

Electric Data

- Rated power output
- Maximum power output
- Rated voltage
- Phases
- Frequency
- Voltage range
- Motor poles
- ATEX class
- Duty class
- Insulation class
- Moment of inertia
- Motor standard
- Capacitor
- Motor efficiency
- Motor efficiency class

50Hz

- Tolerance rated voltage
- Rated speed
- Starting current factor (Ia/In)
- Rated current (In)
- Maximum current (Imax)
- Rated Cos phi
- Sound pressure
- Rated nominal torque
- Rated starting torque

60Hz

- Tolerance rated voltage
- Rated speed
- Starting current factor (Ia/In)
- Rated current (In)
- Maximum current (Imax)
- Rated Cos phi
- Sound pressure
- Rated nominal torque
- Rated starting torque

Motor protection

- Motor protection class
- Temperature sensor
- Rain cover
- Anti condensation heater

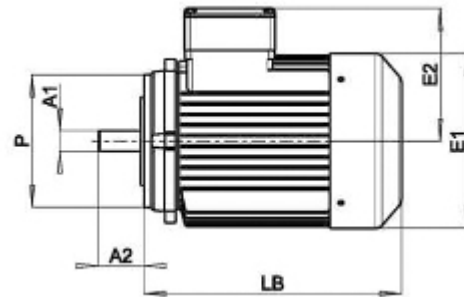
Mechanical data

- Shaft execution
- Maximum starts per hour
- Cable gland
- VFD allowance

EXM **Dimensions**

- 2P Diameter shaft A1
- Length shaft A2
- Diameter motor E1
- Terminal box height E2
- IEC Diameter flange P
- L. motor (without shaft) LB
- Frame size
- Motor construction type
- Motor face

112M
 IM V18



Bearings / lubrication

- Grease nipple
- Bearing fixation pos
- D-end bearing type
- Bearing grease

Details

- Motor label
- Weight
- Lifting lugs
- Motor finish
- Rated max. amb. temp.
- Material housing