

Technical specifications sheet

Part number **290022251020A**

Description **DPV 2/2 B~Oval G 1~0,37kW 230/400V~50Hz 2P~IEC 71B~~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 Water
Flow 0,60 l/sec
Pressure 8,2 mwc

Hydraulic efficiency

Minimum efficiency index according: MEI $\geq$ 0.70
Commission Regulation (EU) No 547/2012

Actual duty point

Flow 0,66 l/sec
Pressure 9,9 mwc
NPSH 2,2 m
Efficiency 51,7 %
Motor power 0,12 kW
Frequency 50,0Hz

Best efficiency point

Flow 0,54 l/sec
Pressure 11,5 mwc
NPSH 1,6 m
Efficiency 53,7 %
Motor power 0,11 kW
Frequency 50Hz

Connection base

Connection type Oval
DIN connection standard DIN-ISO 228-1
ASME connection standard
JIS connection standard
DIN connection size G 1
ASME connection size
JIS connection size
DIN connection pressure class PN16
ASME connection pressure class
JIS connection pressure class
Material S/D casing AISI304
Material flanges Cast Iron JL1040
Material baseplate Cast Iron JS1030

Seal data

Shaft diameter $\varnothing$ 12mm
Seal diameter $\varnothing$ 12mm
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 PN40+120°C
Maximum liquid temperature 140°C+PN16
Minimum liquid temperature -20°C
Material hydraulic AISI304

Plug

Air relieve construction Vent. plug
Material plug AISI304

For details contact

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

NL



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

Search criteria

Medium to be pumped

Flow 0,60 l/sec

Pressure 8,2 mwc

Actual duty point

Flow 0,66 l/sec

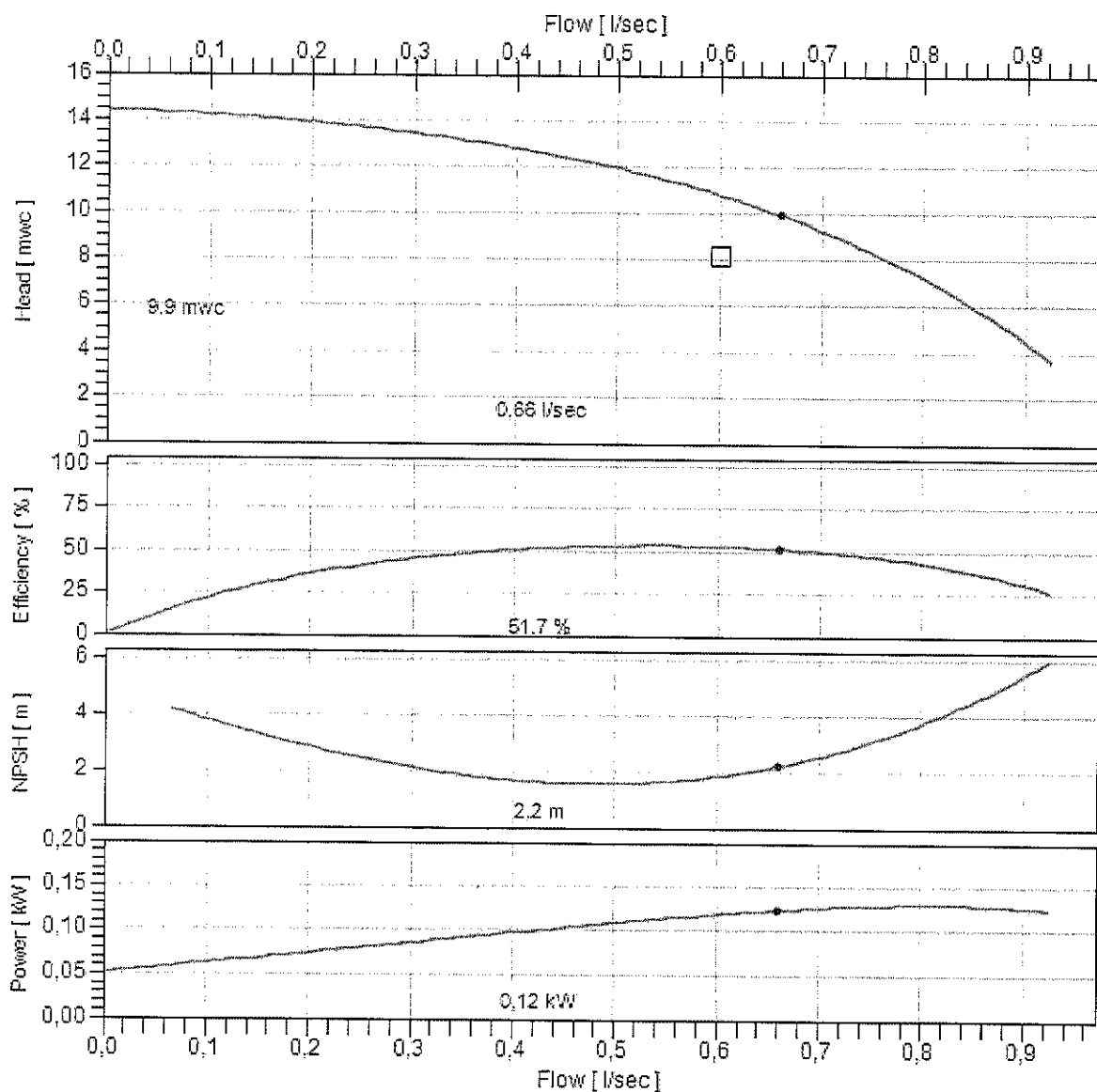
Pressure 9,9 mwc

Efficiency 51,7 %

NPSH 2,2 m

Power 0,12 kW

Frequency 50,0Hz



Duty point

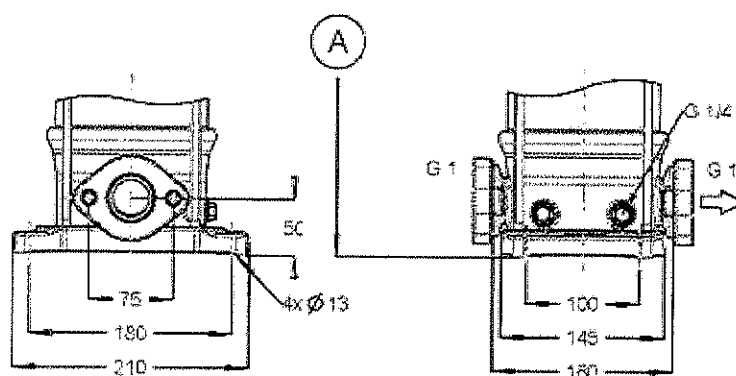
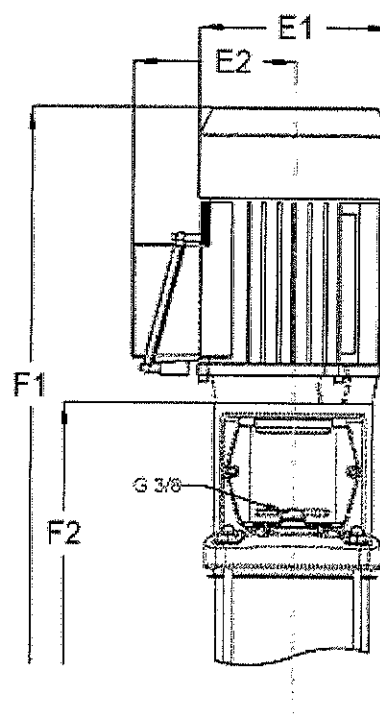
● Actual

Required

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Description **DPV 2/2 B~Oval G 1~0,37kW 230/400V~50Hz 2P~IEC 71B~~Fixed Ca SiC EPDM**

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



Motor width (E1)	134mm
Motor width (E2)	107mm
Total height (F1)	478mm
Total height (F2)	259mm
Total net weight	18kg

dp pumps

Motor specifications



Part number **3710021003**

Description **Motor DMC 0,37kW 230/400V 2P 71B IP55 Pos. 800**

Electric Data

Rated power output	0,37kW
Maximum power output	0,5kW
Rated voltage	230/400V
Phases	3ph
Frequency	50/60Hz
Voltage range	207-253/360-440V
Motor poles	2P
ATEX class	
Duty class	S1
Insulation class	F (rise-B)
Moment of inertia	0,00048kgm ²
Motor standard	IEC
Capacitor	
Motor efficiency	76/76%
Motor efficiency class	

50Hz

Tolerance rated voltage	±10%
Rated speed	2865rpm
Starting current factor (Ia/In)	4.5
Rated current (In)	1,6/0,95A
Maximum current (Imax)	2,4/1,4A
Rated Cos phi	0.76
Sound pressure	60dB(A)
Rated nominal torque	1,2Nm
Rated starting torque	3,4Nm

60Hz

Tolerance rated voltage	+20%, -10%
Rated speed	3430rpm
Starting current factor (Ia/In)	4.5
Rated current (In)	1,6/0,95A
Maximum current (Imax)	2,4/1,4A
Rated Cos phi	0.76
Sound pressure	60dB(A)
Rated nominal torque	1Nm
Rated starting torque	2,5Nm

Motor protection

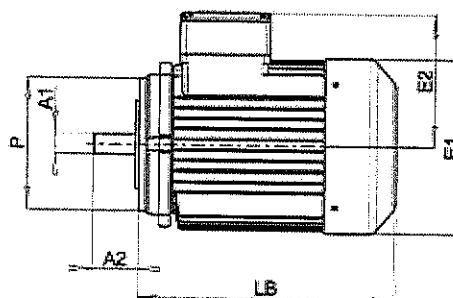
Motor protection class	IP55
Temperature sensor	
Rain cover	
Anti condensation heater	

Mechanical data

Shaft execution	smooth shaft
Maximum starts per hour	50
Cable gland	1xM20x1,5
VFD allowance	VFD allowed

Dimensions

Diameter shaft A1	14mm
Length shaft A2	30mm
Diameter motor E1	134mm
Terminal box height E2	107mm
Diameter flange P	105mm
L. motor (without shaft) LB	219mm
Frame size	71B
Motor construction type	IM V18
Motor face	IEC 60034-7 Form FT 85



Bearings / lubrication

Grease nipple	
Bearing fixation pos	D-end
D-end bearing type	6203-2RS-C3
Bearing grease	temp. -30°C/130°C

Details

Motor label	DMC
Weight	6,5kg
Lifting lugs	
Motor finish	RAL5002
Rated max. amb. temp.	40°C
Material housing	Aluminium