

Preliminary Data Sheet

Mini-DDV
Direct Drive Valve

Proportional Control Valve

D633-7 Series

ISO 4401 Size 03



D633-7 Series

Preliminary technical data

Datas may be change.
This data sheet is not released for customers.

Technical data

Model ... Type

Mounting pattern

Valve body version

Rated flow ($\pm 10\%$) at $\Delta p_N = 35$ bar per land

Response time*

Threshold* without dither signal

Threshold* with dither signal

Hysteresis* without dither signal

Null shift at $\Delta T = 55$ K

Null leakage flow* total, max.

Spool stroke

Rated signal

Coil resistance

Inductance

Operating pressure main stage: port P, A and B

port T

Temperature range ambient

fluid

[l/min]

[ms]

[%]

[%]

[%]

[%]

[l/min]

[mm]

[mA]

[Ω]

[mH]

[bar]

[bar]

[$^{\circ}\text{C}$]

[$^{\circ}\text{C}$]

D633- 7

ISO 4401 - 03 - 03 - 0 - 94

4-way, 1-stage with bushing spool assembly

1 / 2,5 / 10 / 20

ca. 2

< 1

< 0,5

< 10

< 1,5

< 3% from Q_N

$\pm 0,35$

1 000

7

50

350

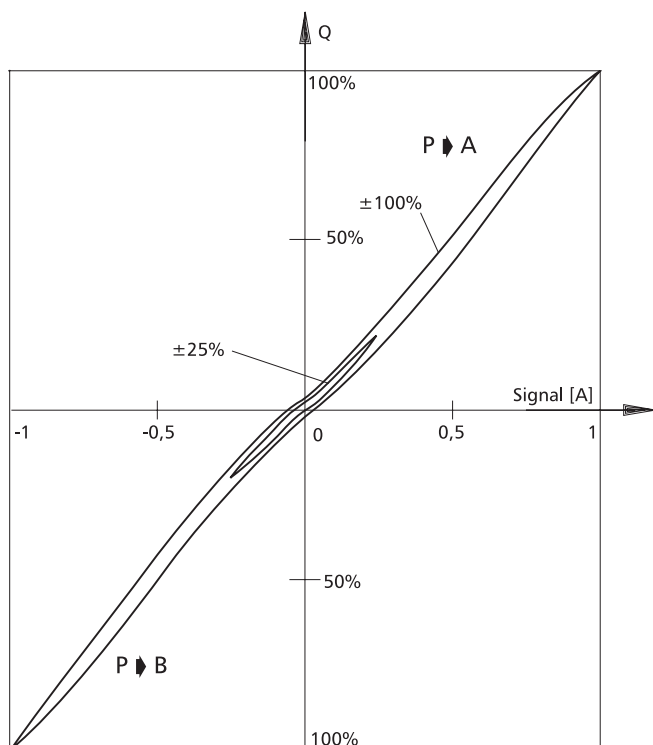
< 70

-20 to +60

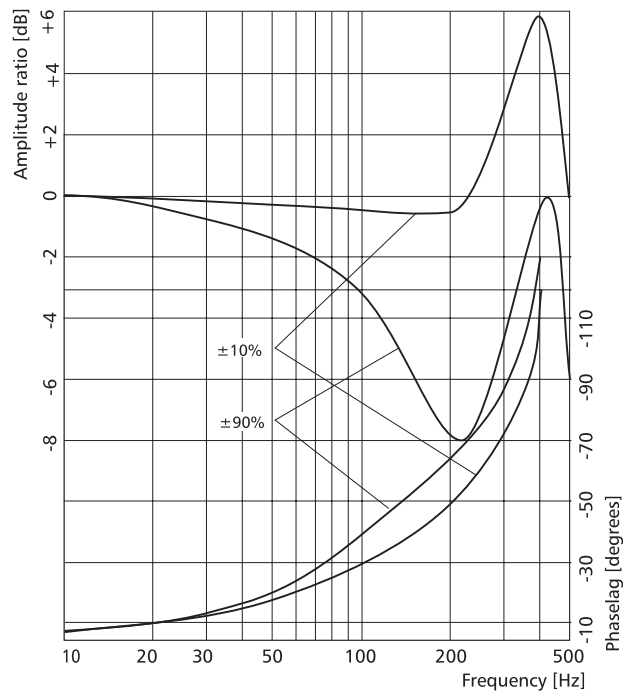
-20 to +80

* measured at 210 bar operating pressure and oil viscosity of 32 mm²/s

Flow vs. signal curve



Frequency response



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