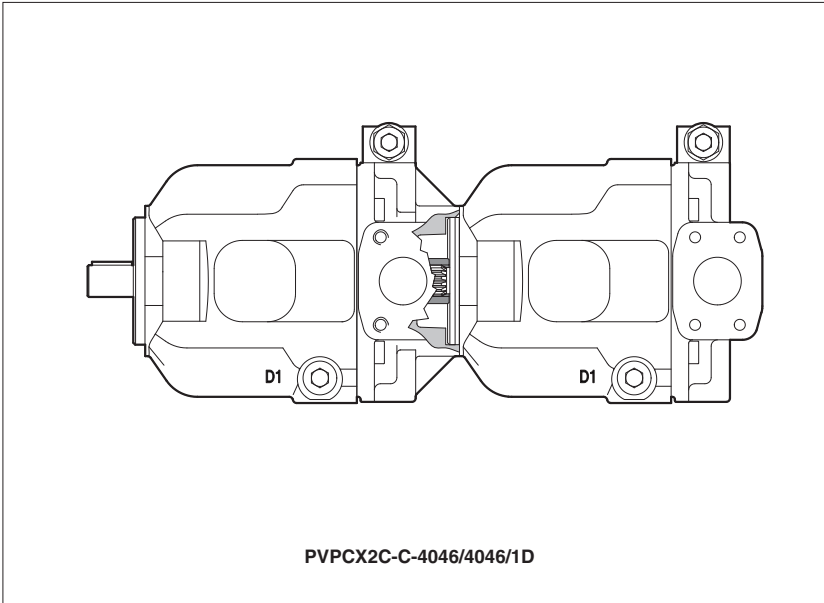


Multiple axis piston pumps type PVPCX2C

variable displacement



PVPCX2C are combined groups made by two variable displacement axial piston pumps type PVPC coupled together by means of a special intermediate flange and joint.

The pumps are available with standard max displacement 29, 46, 71 and 88 cc/rev and with standard mechanical controls (see KT catalog, tab. A160)

Other executions with proportional controls are available on request.

1 MODEL CODE

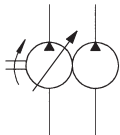
| | | | | | | | | | | |
|---|----------------|-------------|------------|----------------|----------------|-------------|----------|-------------|----------|---|
| 080*** | PVPCX2C | - CH | - 4 | 046 / 3 | 029 / 1 | D -I | X | 24DC | * | /* |
| Special code | | | | | | | | | | Seals material: omit for NBR (mineral oil & water glycol) PE = FPM See KT catalog, tab. A160 |
| Axial piston pumps multiple execution | | | | | | | | | | Series number |
| Type of control first / second pump (1): C = manual pressure compensator CH = manual pressure compensator, with venting R = remote pressure compensator L = load sensing (pressure & flow) LW = constant power (combined pressure & flow) | | | | | | | | | | Supply voltage (only for control type CH): see KT catalog, tab. A160, section 5: |
| Size of first pump see section 2: 3 = for displacement 029 4 = for displacement 046 5 = for displacement 073 and 090 | | | | | | | | | | X = without connector (only for control type CH) |
| Max displacement of first pump see section 2: 029 = 29 cm ³ /rev 046 = 46 cm ³ /rev 073 = 73 cm ³ /rev 090 = 88 cm ³ /rev | | | | | | | | | | Solenoid of pilot valve (only for control type CH): -I = solenoid OI (DHI) for AC and DC supply |
| Size of second pump see section 2: 3 = for displacement 029 4 = for displacement 046 5 = for displacement 073 and 090 | | | | | | | | | | Direction of rotation (viewed at the shaft end) D = clockwise S = counterclockwise |
| Max displacement of second pump see section 2: 029 = 29 cm ³ /rev 046 = 46 cm ³ /rev 073 = 73 cm ³ /rev 090 = 88 cm ³ /rev | | | | | | | | | | Shaft (SAE Standard): 1 = keyed (7/8" for 029 - 1" for 046 - 1 1/4" for 073 and 090) 5 = splined (13 teeth for 029 - 15 for 046 - 14 for 073 and 090) |

1) proportional controls available on request, consult our technical office

2 PUMPS SIZE AND DISPLACEMENT

| size code | displacement code | max displacement [cm ³ /rev] |
|-----------|-------------------|--|
| 3 | 029 | 29 |
| 4 | 046 | 46 |
| 5 | 073 | 73 |
| | 090 | 88 |

3 HYDRAULIC SYMBOL



For other technical characteristics of PVPC pumps, see KT catalog, tab. A160

4 PUMPS COMBINATIONS AND SHAFT TORQUE

| Multiple pump | First pump | 1 st shaft max torque [Nm] | | Second pump | 2 nd shaft max torque [Nm] |
|------------------------------|------------------|---------------------------------------|--------|----------------|---------------------------------------|
| | | type 1 | type 5 | | |
| 080*** PVPCX2C-*/*-3029/3029 | PVPCXB-*/-3029/* | 200 | 190 | PVPC-X-3029/5* | 135 |
| 080*** PVPCX2C-*/*-4046/3029 | PVPCXB-*/-4046/* | 230 | 330 | PVPC-X-3029/5* | 250 |
| 080*** PVPCX2C-*/*-4046/4046 | PVPCXB-*/-4046/* | 230 | 330 | PVPC-X-4046/5* | 250 |
| 080*** PVPCX2C-*/*-5073/3029 | PVPCXB-*/-5073/* | 490 | 620 | PVPC-X-3029/5* | 330 |
| 080*** PVPCX2C-*/*-5073/4046 | PVPCXB-*/-5073/* | 490 | 620 | PVPC-X-4046/5* | 330 |
| 080*** PVPCX2C-*/*-5073/5073 | PVPCXC-*/-5073/* | 490 | 620 | PVPC-X-5073/5* | 440 |
| 080*** PVPCX2C-*/*-5090/3029 | PVPCXB-*/-5090/* | 490 | 620 | PVPC-X-3029/5* | 330 |
| 080*** PVPCX2C-*/*-5090/4046 | PVPCXB-*/-5090/* | 490 | 620 | PVPC-X-4046/5* | 330 |
| 080*** PVPCX2C-*/*-5090/5073 | PVPCXC-*/-5090/* | 490 | 620 | PVPC-X-5073/5* | 440 |
| 080*** PVPCX2C-*/*-5090/5090 | PVPCXC-*/-5090/* | 490 | 620 | PVPC-X-5090/5* | 440 |

5 DIMENSIONS [mm]

080* PVPCX2C-C/C-3029/3029**

Dimensions: 39, 221.7, 182.7, 231.2, 221.7

080* PVPCX2C-C/C-4046/3029**

Dimensions: 45, 227.7, 182.7, 260.5, 221.7

080* PVPCX2C-C/C-4046/4046**

Dimensions: 45, 251, 206, 260.5, 251

080* PVPCX2C-C/C-5073/3029**

Dimensions: 55.7, 238.4, 182.7, 303.6, 221.7

080* PVPCX2C-C/C-5073/4046**

Dimensions: 55.7, 261.7, 206, 303.6, 251

080* PVPCX2C-C/C-5073/5073**

Dimensions: 55.7, 290.9, 235.2, 303.6, 290.9

Note:
The above dimensions are referred to the basic pumps with control type C.
For other type of controls (CH, R, L, LW) the reported dimensions remains unchanged