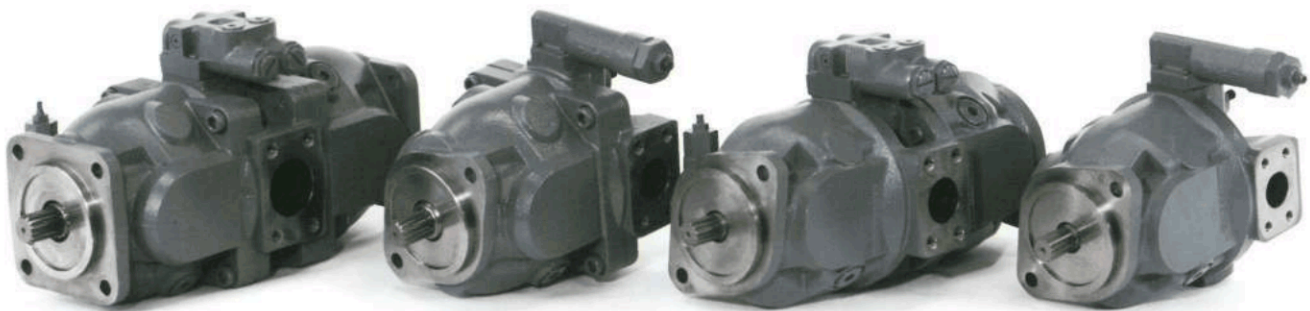


Variable Displacement High-Pressure Piston Pump PHC Series



The PHC series is a variable displacement high pressure piston pump suited for open circuit applications.

Tokyo Keiki is committed to pursue the design quality of the next generation of hydraulic equipments, with our enhanced low noise technology developed under strict requirements from the industrial machine fields, durable design technology which withstands continuous high cycle operations, and our operational-friendly, energy saving control technology.

■ FEATURES

Saddle-type yoke with high rigidity and low pulsation features, leading to compact design and low noise.

Incorporates wear-resistant cylinder block bushings highly reliable for anti-contamination and environmental resistance.

Double pump type with single inlet structure for compact and pipe-less design.

■ SPECIFICATIONS

Model Code	Max.Displacement [cm ³ /rev]	Rated Pressure [MPa]	Peak Pressure [MPa]	Maximum Speed [min ⁻¹]
PHC31	31	35	42	3000
PHC45	45	35	42	2700
PHC80	80	35	42	2500

PHC31 D - T (*) (*) Z L - 10 - TL** ** - (*) - 10

1	2	3	4	5	6	7	8	9	10	11	12
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1 Series Number

PHC31 : 31cm³ / rev PHC45 : 45cm³ / rev PHC80 : 80cm³ / rev

2 Pump Type

Omit : Single Type D : Double (Tandem Type)

3 Displacement Port

No Code : Standard Pressure Flange Type
 H : High Pressure Flange Type
 T : Screw In Port Type

4 Double Pump Adapter

Omit : No Double Type Adapter
 S : Single Pump
 A : SAE A Double Bolt Adapter
 P : SAE Adapter Applicable Moun (w / Blank Plate)

5 Double Pump Coupling

Omit : No Coupling A : SAE A Coupling

6 Axle Type

Y : Key Shaft Z : Spline Shaft

7 Rotation Direction (Viewed From Axle)

R : Right (Clockwise) L : Left (Counter-Clockwise)

8 Pump Design Code

9 Control Method

CH : Pressure Compensating Control
 CGH : Remote Pressure Compensating Control
 TL** : Torque Limit Control (**N·m)

10 Control Method (Double Rear Side)

Omit : Single Type ** : Torque Limit Control (**N·m)

11 Max. Displacement Adjustment Mechanism

Omit : None D : w/ Adjustment Mechanism

12 Control Valve Design Code