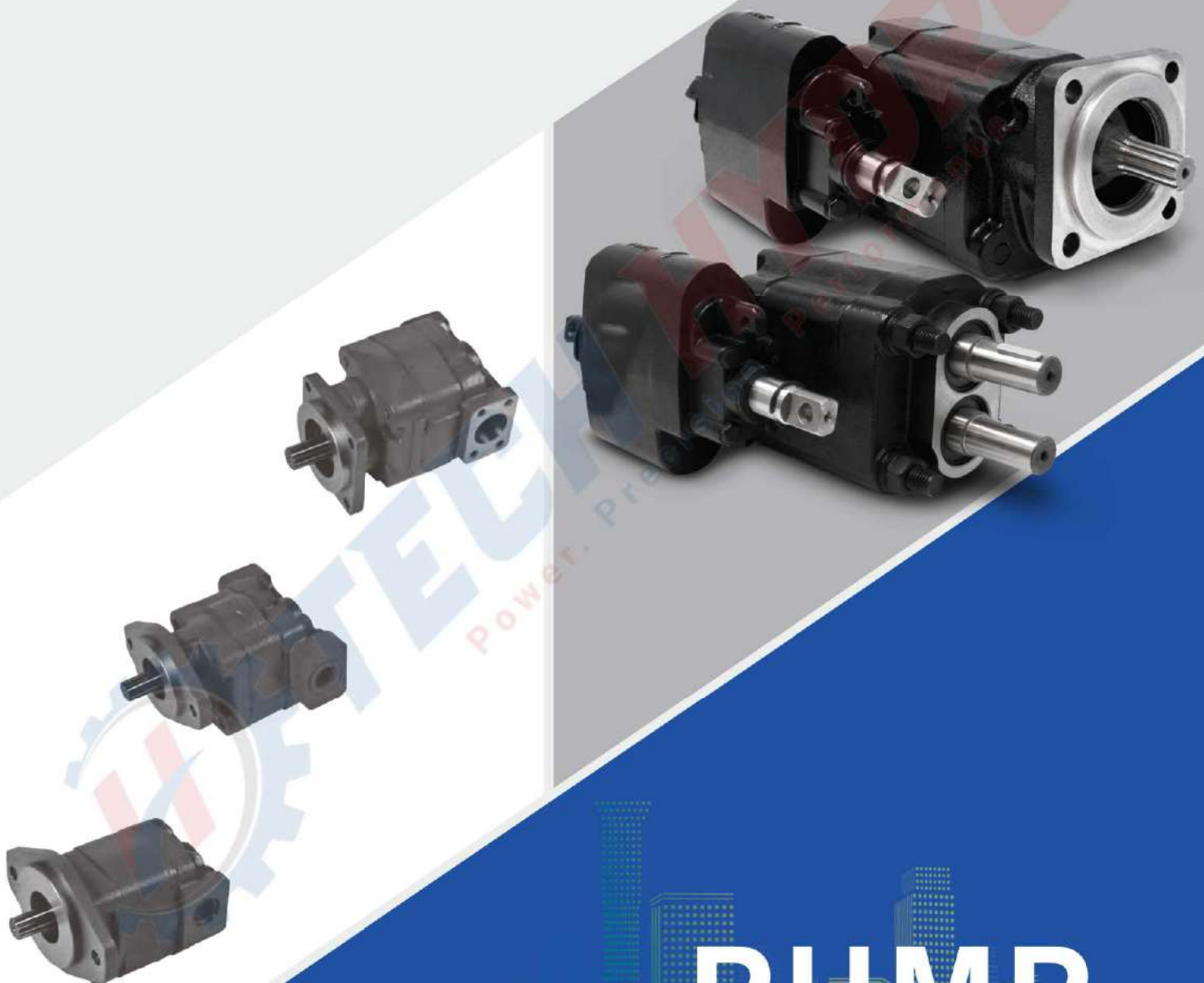


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PUMP

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Ningbo Tech-Hydro Co. Ltd



TH-SNCB SERIES

TH-S3NCB 4 - 3 - 3 / 64 / 25 / 25 - 1 R - H - S1

01 02 03 04 05 06 07 08 09 10 11

01 TS3NCB: Triple internal gear pump.

02 Front Pump Series Number
4: Oil inlet and outlet 90°

03 Medium Pump Series Number
3: Oil inlet and outlet 90°

04 Rear Pump Series Number
3: Oil inlet and outlet 90°

05 Front Pump Capacity
4

64	80	100
----	----	-----

06 Medium Pump Capacity
3

25	32	40	50
----	----	----	----

07 Rear Pump Capacity
3

25	32	40	50
----	----	----	----

08 Shaft Extension Form
1: Flat key 2: Spline

09 Rotation (as seen from the axial end)
R: clockwise (can be omitted)
L: counterclockwise

10 Pump Body Material
Unmarked: aluminum pump body
H: cast iron pump body

11 Design Number



TH-S/T-SDNCB SERIES

TH-S/T-SDNCB 2 - 8 - 2 R - H - S1

01 02 03 04 05 06 07

01 TSNCB: internal gear pump
TSDNCB: low speed pressure maintaining internal gear pump

02 Serial Number

2; 2A

4	5	6	8	11	13	16	19	20	22	25
---	---	---	---	----	----	----	----	----	----	----

 2: Oil inlet and outlet 90.
2A: Oil inlet and outlet 180.
3

25	32	40	50	63
----	----	----	----	----

 4

64	80	100
----	----	-----

 5

80	100	125	145	160
----	-----	-----	-----	-----

03 Displacement (mL/r)

4	5	6	8	11	13	16	19	20	22	25	32	40	50	63	64	80	100	125	145	160
---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----

04 Shaft Extension Form

1: Flat key 2: Spline (specific parameters see each single pump)

05 Rotation

R: clockwise (can be omitted)
L: counterclockwise

07 Design number

06 Pump Body Material

Unmarked: aluminum pump body
H: cast iron pump body





TH-S2NC SERIES

TH-S2NC 3 / 3 - 40 / 32 - 1 R - H - S1

01 02 03 04 05 06 07 08 09

01 T-S2NC: Double internal gear pump.

02 Front Pump Series Number
2, 3, 4, 5: oil inlet and outlet 90°
2A: Oil inlet and outlet 180°

03 Rear Pump Series Number
2, 3, 4, 5: oil inlet and outlet 90°
2A: Oil inlet and outlet 180°

04 Front Pump Displacement (mL/r)

2 4 5 6 8 11 13 16 19 20 22 25

3 25 32 40 50

4 64 80 100

5 80 100 125 145 160

05 Rear Pump Displacement (mL/r)

2 4 5 6 8 11 13 16 19 20 22 25

3 25 32 40 50

4 64 80 100

5 80 100 125 145 160

06 Shaft Extension Form

1: Flat key 2: Spline

... : Corresponding to the front pump series shaft extension

07 Rotation (as seen from the axial end)

R: clockwise (omitted) L: counterclockwise

08 Pump Body Material

Unmarked: aluminum pump body H: cast iron pump body

09 Design number





TH-315 TH-330 TH-350 TH-365 SERIES

TH-315 SERIES



- Heavy duty sleeve bushing design
- Available in 7 gear/displacement sizes
- 2-bolt flange options
- Pressure balanced wear plates
- Working pressure up to 3500 psi
- Multiple bearing carrier options & porting options
- High strength steel gear & shaft sets
- Alternatives for Commercial®/Parker®, Permco® and Muncie® gear products

DH315 Series Specifications

Displacement	(in ³ /r)	.62 - 2.48
	(cm ³ /r)	(10.2 - 40.6)
Max. Speed	RPM	3000
Max. Pressure	PSI	3500 - 2500
	bar	(241 - 172)
Weight	Lbs	16 - 22
	Kgs	(7 - 10)

TH-330 SERIES



- Heavy duty sleeve bushing design
- Available in 7 gear/displacement sizes
- 2-bolt & 4-bolt flange options
- Pressure balanced wear plates
- Working pressure up to 3500 psi
- Multiple bearing carrier options & porting options
- High strength steel gear & shaft sets
- Alternatives for Commercial®/Parker®, Permco® and Muncie® gear products

DH330 Series Specifications

Displacement	(in ³ /r)	.99 - 3.94
	(cm ³ /r)	(16.1 - 64.6)
Max. Speed	RPM	3000
Max. Pressure	PSI	3500 - 2500
	bar	(241 - 172)
Weight	Lbs	36 - 41
	Kgs	(16 - 19)

TH-350 SERIES



- Heavy duty sleeve bushing design
- Available in 9 gear/displacement sizes
- 2-bolt & 4-bolt flange options
- Pressure balanced wear plates
- Working pressure up to 3500 psi
- Multiple bearing carrier options & porting options
- High strength steel gear & shaft sets
- Alternatives for Commercial®/Parker®, Permco® and Muncie® gear products

DH350 Series Specifications

Displacement	(in ³ /r)	1.28 - 6.38
	(cm ³ /r)	(20.9 - 104.5)
Max. Speed	RPM	2400
Max. Pressure	PSI	3500 - 2500
	bar	(241 - 172)
Weight	Lbs	50 - 60
	Kgs	(23 - 27)

TH-360 SERIES



- Heavy duty sleeve bushing design
- Available in 8 gear/displacement sizes
- 2-bolt & 4-bolt flange options
- Pressure balanced wear plates
- Working pressure up to 3500 psi
- Multiple bearing carrier options & porting options
- High strength steel gear & shaft sets
- Alternatives for Commercial®/Parker®, Permco® and Muncie® gear products

DH365 Series Specifications

Displacement	(in ³ /r)	2.70 - 9.00
	(cm ³ /r)	(44.3 - 147.5)
Max. Speed	RPM	2400
Max. Pressure	PSI	3500 - 3000
	bar	(241 - 207)
Weight	Lbs	56 - 71
	Kgs	(25 - 32)



TH-C101/102 SERIES

CAST IRON GEAR PUMP

Combination pumps

- Pump with Direction Control Valve configured Relief, Spool at raise or neutral position, to protect the system.
- 2-line installation fit for intermittent operation only, 3-line installation fit for continuous or intermittent operation.
- Manual and pneumatic operation, customer can replace parts to switch operation way.
- Rated pressure 175/210 bar, Speed range 600-2400 RPM.



TH-C 101 - L - AS - 20

01

02

03

04

05

01

Series

C
G

02

Type of Mount

1 = Remote Mount
2 = Direct Mount

03

Rotation

R = Right (Clockwise)
L = Left (Counter-clockwise)
X = For 101 Type

04

Control Mode

AS = Airshift Control
MS = Manual operation

05

Displacement

Displacement in³/r (cm³/r)

20 = 5.10 (83.6) - MH101C & MH102C only
25 = 6.38 (104.6) - MH101C & MH102C only
0.7 = 1.48 (24.3) - MH101G & MH102G only
1.5 = 2.96 (48.5) - MH101G & MH102G only
2 = 3.94 (64.6) - MH101G & MH102G only



TH-A2F SERIES-REXROTH

PISTON PUMP

TH-A2F 63 R 2 P 1

01

02

03

04

05

01

Displacement

Displacement ml/r

10, 12, 23, 28, 45, 55, 63, 80, 107, 125, 160, 200, 250, 355

02

Direction of Rotation

R = Clockwise
L = Anti-clockwise
W = Alternating

03

Series

Series	4		2/3		1/2	1/2	2		1/2	2		5		
Size	10	12	23	28	45	55	63	80	107	125	160	200	250	355
Port plate 1	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Port plate 2				●	●	●	●	●	●	●	●	●	●	●
Port plate 3					●	●	●	●	●	●	●			
Port plate 4	●	●	●	●										



04

Port Plate

1 = Metric port A/B at side (Pump/Motor)
2 = SAE port A/B at side (Pump/Motor)
3 = SAE port A at side and port B at rear (PUMP)
4 = SAE port A at side and port B at rear (PUMP)
5 = B AND S PORT AT REAR
6 = A AND B POR AT REAR

05

Shaft End

P = keyed shaft GB1096-79
Z = splines shaft DIN 5480
S = splines shaft GB 3478.1-83



TECHHYDRO

+86-15869517019

SALES@techhydro.com.cn

WWW.TECHHYDRO.COM.CN

whatsapp/Wechat: +86-15869517019

TEL: +86(0574) -87021030