

Explanation of model No.

NCP - 100 - 3.7 ***** - - 13(22)

Design number
22: Additional base block type

Option (Table 1)

Pump function

For variable vane pump

Capacity	Pressure 3.5 MPa	7 MPa	10.5 MPa	14 MPa
8.3cm³/rev	0A2	0A3		
16.7cm³/rev	1A2	1A3	1A4	(1A5)
22.0cm³/rev	①A2	①A3		
30.0cm³/rev	2A2	2A3	2A4	(2A5)
38.9cm³/rev	②A2	②A3		
66.7cm³/rev	3A2	3A3	3A4	(3A5)

For variable piston pump

Capacity	Pressure 2 to 7MPa	7 to 14MPa
8.0cm³/rev	8N1	8N2
16.5cm³/rev	16N1	16N2
22.0cm³/rev	22N1	22N2
35.0cm³/rev	35N1	35N2
45.0cm³/rev	45N1	45N2
70.0cm³/rev	70N1	70N3

Pump type
VC, VD: Variable vane
PV: Variable piston

Motor capacity
(0.75 to 30) kW, 4P (0.75kW only indicated as 0.7)

Tank volume
(30, 40, 60, 100, 160, 250, 400, 650)ℓ

NCP Series (standard variable pump unit)

Table 1: Option Symbols

Symbol	Description	Model Number and Description	30L	40 to 100L	160, 250L	400, 650L
B	Base Block (Design No. 13 Only)	MPU Series built-in	○Note 2	○	○	○
C	Radiator	N13F-001-1050	○	○		
C1	General-purpose Fan Cooler	3A92-001-0000 16/15W Single-phase 200V AC 50/60Hz		○	○	○
C2	High-power Fan Cooler	3A92-002-0000 35/30W Single-phase 200V AC 50/60Hz			○	○
D	Terminal Wiring (Drive System + Control System)	Wiring from each electrical device to the terminal box (Drive System + Control System)	○	○	○	○
E	Terminal Wiring (Control System Only)	Wiring from each electrical device to the terminal box (Control System Only)	○	○	○	○
F	Mounting Foot for Forklift	See mounting foot for forklift specifications.		○		
M	Microseparator	TMG-1S(to100L), TMG-2ZS(160L to)	○	○	○	○
N	Noise Control	Motor 6P specifications				○
P	Oil pan	See oil pan specifications.		○	○	○
R	Return Filter	WS-20-20-V(20μ paper)	○			
R1	Return Filter	CF-0*(10μ paper) FRS-**-20P*** (20μ paper)		○Note 3	○Note 3	
R2	Return Filter	FPL-**(10μ paper)		○	○	
T	Temperature Gauge (With Fluid Level Gauge)	φ6 × 80L (0 to 100°C) with guard φ8 × 120L (-20 to 100°C) with guard	○	○	○	○
V	Vibration Control	Anti-vibration rubber, rubber hoses, etc.				○
W1	Self Leak Test	Tank leak test by NACHI		○	○	○
W2	Government-mandated Leak	Test Tank leak test by fire department		○	○	○
TH	Thermostat (Abnormal oil temperature detection: Contact a)	TNS-C1070C (Contact on: 65°C and above)		○	○	○
PS	Pressure Switch (Abnormal pressure detection: Contact a)	CE** Contact ON: (Pump Setting Pressure)-(1.5MPa) and above		○	○	○
FS	Float Switch (Low fluid level detection: Contact a)	OLV-2A Contact on: (Fluid Level Gauge Visual Low Level)-(10mm) or less		○	○	○
G	Fluid Level Gauge Guard	Protective cover installation	○	○	○	○
R3	Return Filter (Tank Top Type)	MAR**-**P-S				
L	Anchor Hole Outer Side	Anchor hole set on outer side				
	Motor Voltage Overseas	Reference Voltage Other than 200V AC 50/60Hz; 220V AC 60Hz				
	Special Paint (Exterior)	Other than standard lacquer paint (phthalates, epoxy, etc.)				
	Piston Pump Variable Control Option	Other than standard control system N (NQ, RS, WS, RQS, etc.)				
	Fire Resistant Operating Fluid (W/G Type)	Water- or glycol-based hydraulic operating fluid (Contact your agent about other fluid types.)				
	Water Cooler	When capacity of pump DR fan cooler is insufficient				
	Electric Oil Heater	When there is the possibility of fluid pressure dropping below 0°C				

Note) 1.Design 13 when option symbol B is selected. (Base block additional 22 design is not applicable)

2.With the optional Symbol B capacity 30L, a special base block can be used in a configuration of up to 01 × 3.

3.Option symbol R1 CF-0* is applicable to pump functions *A2 and *NO only.

4.FRS-08-20P08T for option symbol R1, capacity 250L using a 45cm³/rev type.

5.Contact Nachi for information about design number 5100*.