



NSP 2.0 Hydraulic Power Unit



**Variable Vane Uni-Pump Allows for
Compact Design**

**Simple Structure and Excellent Reliability
Ensures Easy Handling Maintenance**



NSP 2.0 Features

- Cast iron motor provides a durable platform for diverse applications
- Nema premium efficiency motor
- High operating efficiency for lower power consumption and reduced heat generation

UVN Uni-Pump

- Reduced heat generation supports high precision applications
- Lightweight, compact, and easy to handle
- Minimizes noise by eliminating the effects of shaft vibration and an off center shaft

Applications

- Mill
- Injection Molding Machine
- Lathe
- CNC Machine
- Hydraulic Press
- Metal Forming Machinery

Explanation of Model Number

NSP - * - * V * * - *** - 3045A

Design Number

Options

F : Manifold Kit (See Table 1)

H: Temp/Level Switch

T : Oil Gauge with

Pressure Adjustment Range

A2: 217-580 psi

A3: 507-870 psi

A4: 796-1160 psi

Flow Rate Control Range (Max Capacity)

0: 0.49in³/rev

1: 0.98in³/rev

Note: 1 indicates the maximum value at the time of shipment from the Factory.

Variable Vane Pump

Motor Horsepower

15: 2 hp

22: 3 hp

Reservoir Size (liters)

10, 20

Nachi Compact Hydraulic Unit NSP Series



Note:

1. There is a restriction to the combination, for example, between pump capacity and motor capacity.
2. The design number may be subject to change without prior notice due to changes in our policy. Please check with your sales representative.

NSP 2.0 Series

NSP 2.0 Specifications

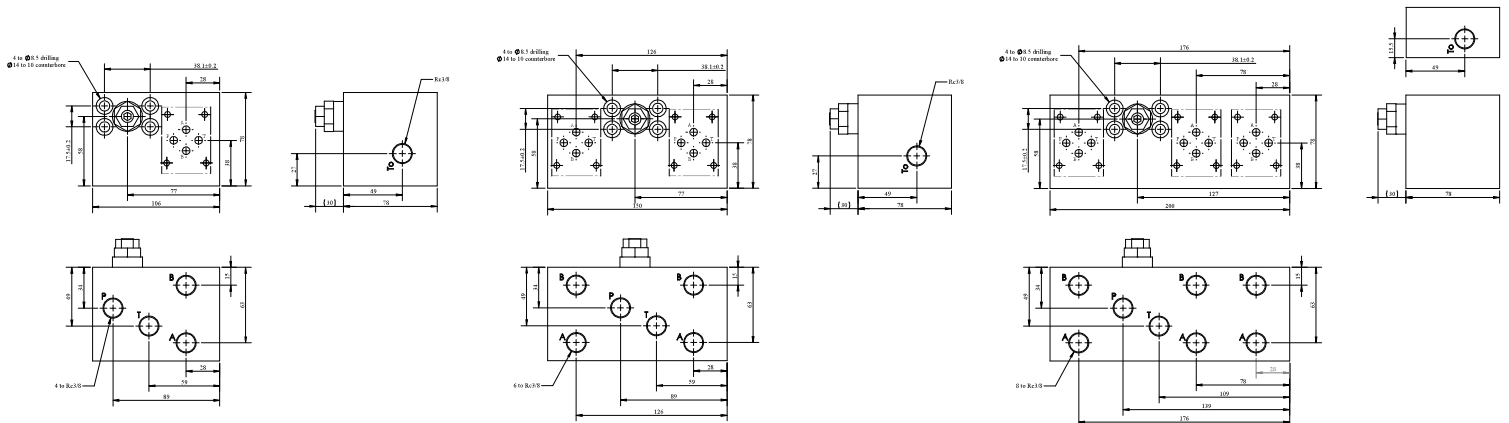
Model No.	Pump Capacity (in³/rev)	Flow Rate (gpm)	Motor Capacity (hp)	Maximum Pressure (psi)	Tank Capacity (gal)	Motor Voltage (vac)
NSP-10-15V0A'-***-3045A	0.49	3.8	2	1160	2.5 (10L)	230/460 Dual Voltage
NSP-20-15V0A'-***-3045A					5.25 (20L)	
NSP-10-15V1A'-***-3045A	0.98	7.6	2		2.5 (10L)	
NSP-10-22V1A'-***-3045A			3		5.25 (20L)	
NSP-20-15V1A'-***-3045A			2			
NSP-20-22V1A'-***-3045A			3			

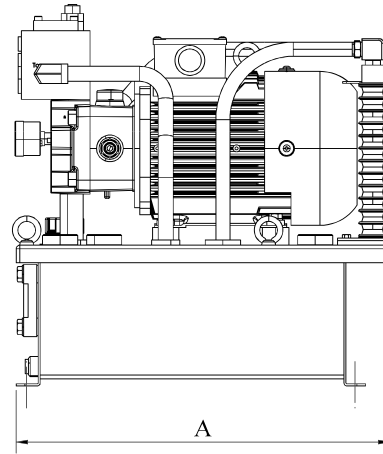
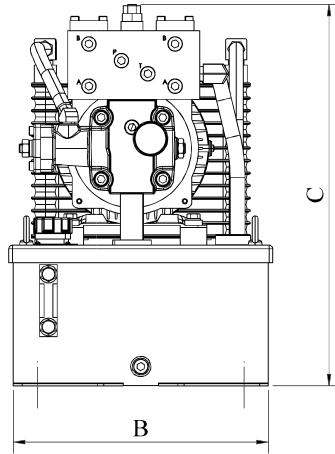
Optional Manifold Block

- When an optional manifold block is mounted on the pump, make sure the block and valve total is not greater than 33 lbs.

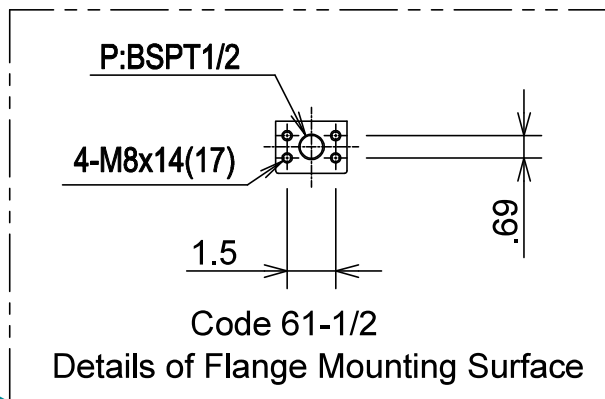
Table 1

Manifold Block Type	F1	F2	F3
Block Weight (lbs)	10	14	19
Allowable Additional Weight (lbs)	23	19	14





Flange Mount



Schematic

