

NACHI

Energy Saving Hydraulic Units

Space Saving

Low Ambient Temperature - More Accuracy

Noise Reducing

Precise Pressure & Flow Control



NSP Standard Series
NSP-i Inverter Drive Series
Power Fit (NPQ) Series
Power Meister (UPS) Series

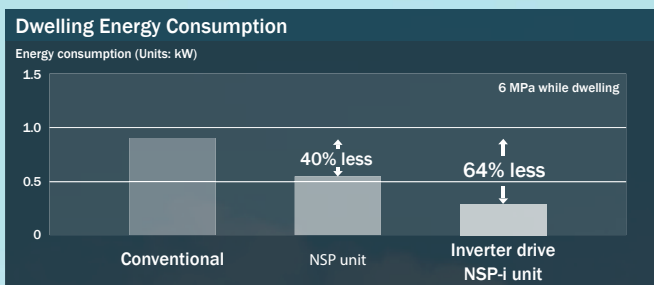


NSP - Standard & NSP-i - Inverter Drive Hydraulic Units

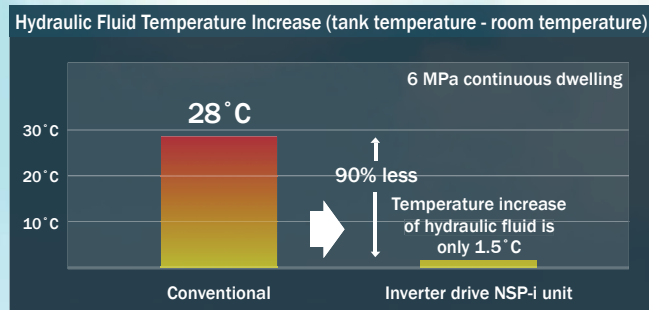
- **Compact Variable Vane Pump for Machine Tool**
- **Added Inverter Drive to compact body to make even more environmentally friendly & quiet**

Energy Consumption Reduced by Approximately 64% (compared to our standard unit while dwelling)

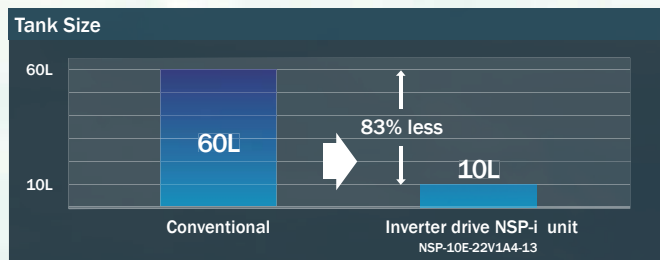
The base NSP unit consumes about 40% less energy than our standard unit. By adding the inverter drive we increase energy savings to 64% compared to our standard unit.



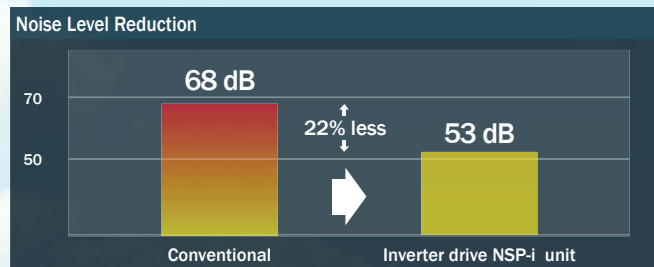
The NSP-i series benefits your entire system by lowering oil temperature to improve machining accuracy, lengthen the life of seals and hydraulic fluid, and reduce factory air conditioning costs.



Greatly Reduce the Volume of Hydraulic Fluid

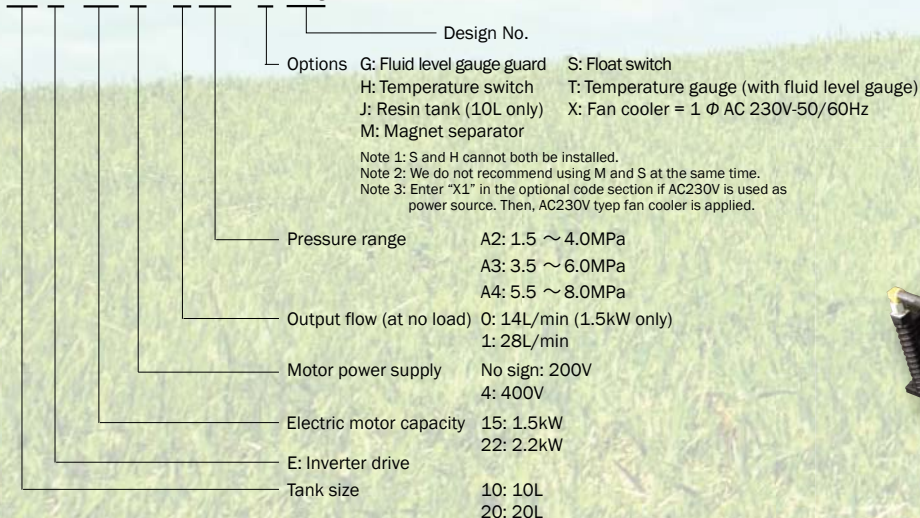


Greatly Reduce the Noise Level when Dwelling



Explanation of Model Numbers

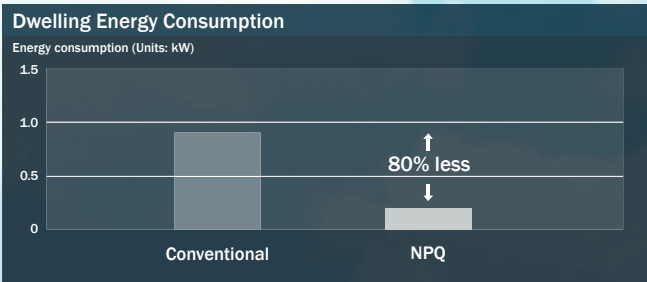
NSP - ** E - ** * V * A* - * - 20



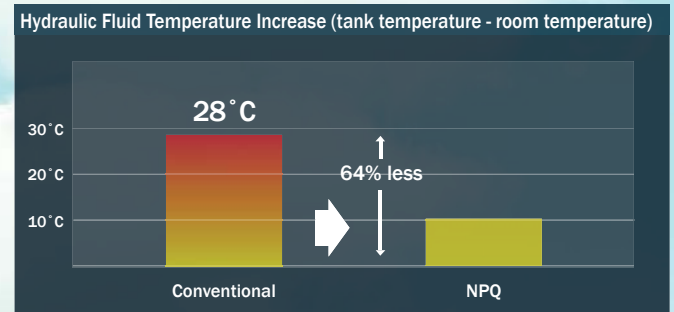
Power Fit (NPQ) Hydraulic Units

- **Variable Displacement Piston Pump Drive**
- **High Pressure** **3625 psi (PVS) 4060 psi (PZS)**
- **High Flow** **23.8 gpm (PVS) 37.0 gpm (PZS)**

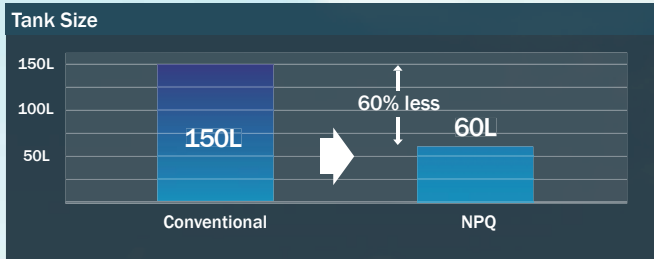
Energy Consumption Reduced by Approximately 80%



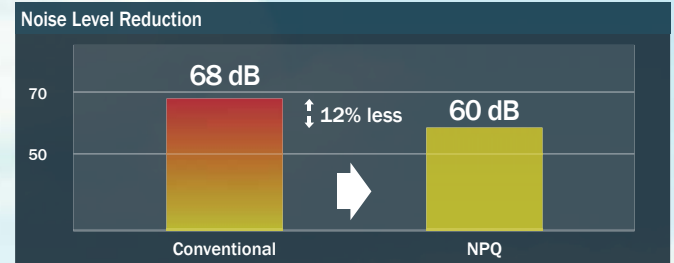
Temperature Reduced



Greatly Reduce the Volume of Hydraulic Fluid

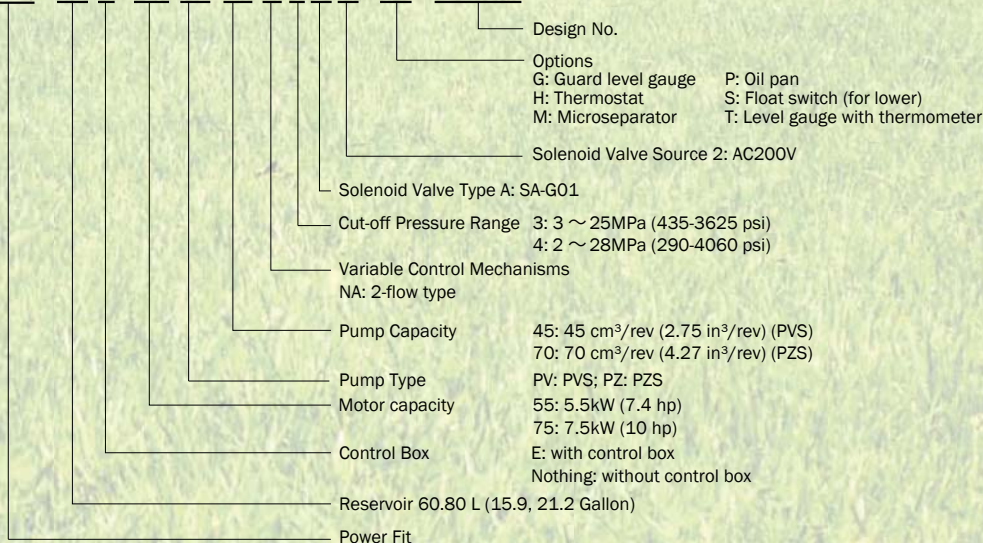


Greatly Reduce the Noise Level when Dwelling



Explanation of Model Numbers

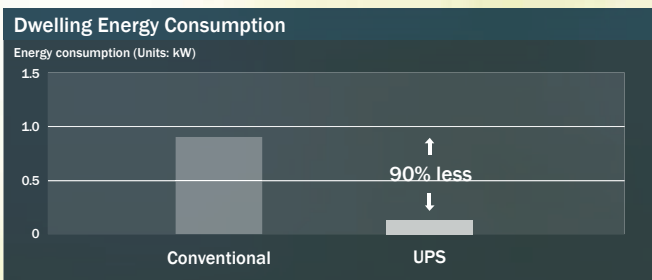
NPQ - 60 E - 55 PV 45 N 3 A 2 - ** - 6161A



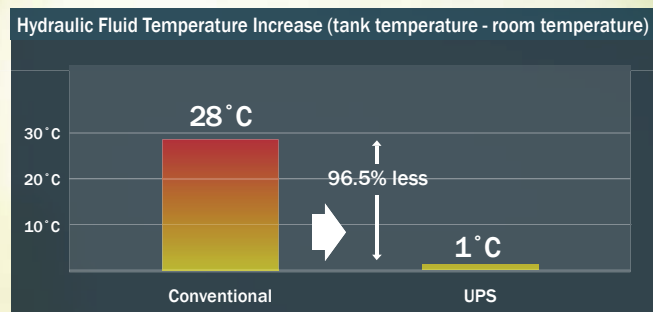
Power Meister (UPS) Hydraulic Units

- **Compact Hydraulic System for Energy Savings & High Precision**
- **High Pressure - 4350 psi**
- **High Speed Processing of the Servo Controller**

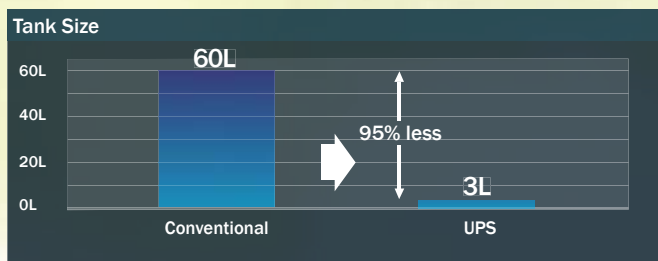
Energy Consumption Reduced by Approximately 90%



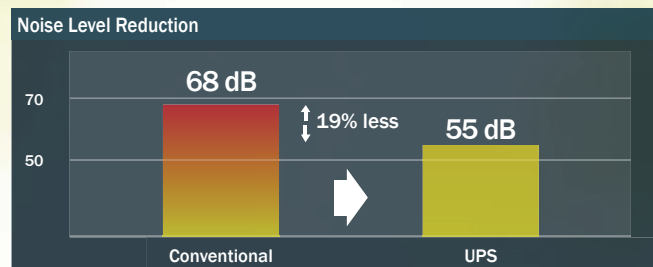
Temperature Reduced



Compact All-in-One design saves space



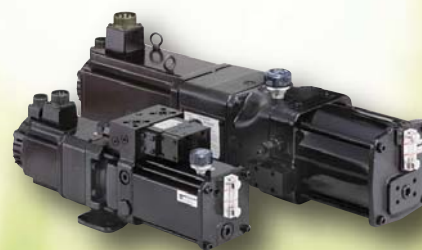
Pump operates only when necessary for low noise



Explanation of Model Numbers

UPS - 0 A - 7 V 20 C 1 S 4 - HS - 10 (11)

UPS	Design No.	10: For motor power 05, 10, 15, 20, 55 & 75 11: For motor power 29 & 44
0	Options	-: No option H: Temperature switch S: Float switch (for lower)
A	Voltage of Shut-off Valve	4: 24 V DC
7	Range of Differential Valve Pressure	1: 0.8 ~ 7MPa (116-1015 psi)
V	Option of Circuit	-: No Option C: Differential pressure valve S: Shut off valve
20	Servo Motor Output	20: 2.0kW (2.7 hp)
C	Installation	V: Vertical; H: Horizontal
1	Pump Capacity	7: 6.7 cm³/rev (0.41 in³/rev) Available in other capacities
S	Mounting	A: Foot type mounting
4	Pump Size	00: Pump capacity 2 & 4 0: Pump capacity 5 & 7 1: Pump capacity 11, 13 & 16
HS	Power Meister	
10 (11)		



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