



New Inverter Power Unit

**In Accordance with 2014 IE2 IE3, High efficiency
for machine tool**

Power & Money saving, you can make it.
Environment-protecting, 2014 Now Beginning.

Power saving : 65% Noise Level : 50dB Pressure 60kg/cm²
OIL TEMP Raise : 1°C (Stand by pressure 60/cm², TEMP 23°C)



Patented product,
counterfeiting not allowed.

www.yeoshehydraulic.com

TP and TV Series Inverter with Energy- Saving Hydraulic Unit

TP and TV Series : Inverter with Energy- Saving Hydraulic Unit

TP and TV Product Feature

	Temp raise	Noise under	Saving	
TP	About +1℃	About 50dB	65%	- Reducing oil temperature, promoting manufacturing precision of machine , extending internal components and lubrication oil lifespan, reducing air conditioner power charge to achieve power saving purpose. 60kgf/cm²(6.0MPa) stand by time - N4 direction average. Standard power unit noise is 64dB.
TV	About +5℃	About 53dB	55%	

TP and TV Product Character

Easy operation.	- No need to change usual habit. - Turn on the power to start operating. - According to motor loaded speed, which is no need to precise power adj.or outer direction.
Normal operation while inverter breaks off.	- While emergencies, changing power distribution to continue running. - While inverter error, making nonstop production line.
Extra drive is attachable	- TP standard type (non-inverter drive) installs extra inverter is attachable. - Only suitable Yeoshe brand pump&motor.

Specification

Power	3φAC200~240V , 50/60Hz 3φAC380~480V , 50/60Hz		
Input	0.75 kW/ 1.5 kW/ 2.2 kW/	3.7 kW/ 5.5 kW/	7.5 kW/ 11 kW/
Pressure adj.	Pressure adj. A: 10~40 E:25~315 B: 15~70 C: 20~140 D: 25~210	Vane pump Series A: 8~20 B: 15~35 C: 30~55 D: 50~70	
	Different place voltage, different power input, standard inverter power pack is AC220V.		
Displacement (unloading)	8, 12, 16, 22, 23, 38, 42, 50, 56, 70		
Hydraulic oil	Mineral oil (equal ISO VG32)		
Oil TEMP	10~60℃		
Color	YEOSHE Standard color :Black gray Other color can be decided by customers.		
TEMP/Humidity	0~35 ℃/20~85%RH(No FOG) Avoiding fog environment, which under using water soluble cutting fluid.		

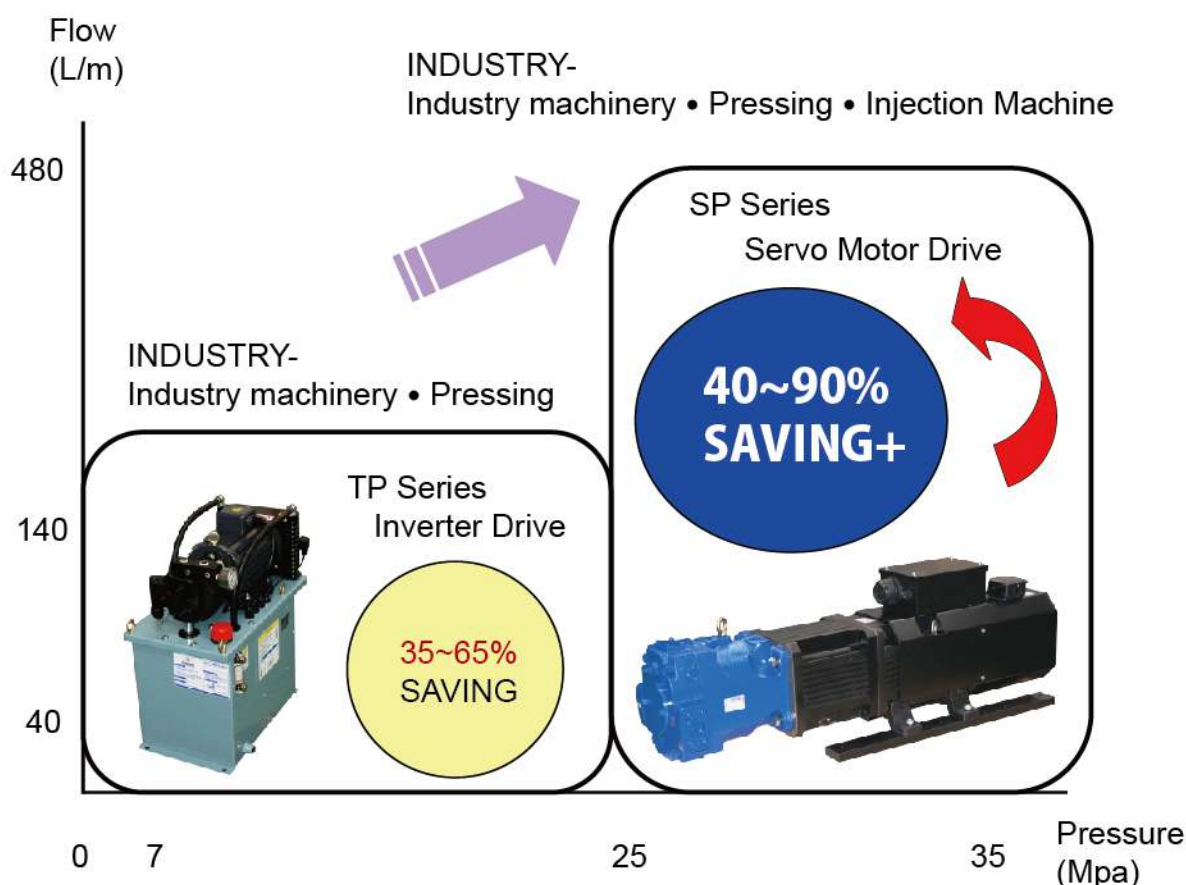
Piston Pump Series



Vane Pump Series



High Efficiency High Power Saving * Hydraulic System



Easy Operation and Reliable Performance

PLUS(1)

All In One Pressure Voltage Speed

Immediate start just by turning on the power



Multifunctional PID Module Compact System

PLUS(2)

Auto Error Display system

Error Display List 1

RMSG/SP Error: trouble shooting		
EEr	Ad Err	OC
Memory Access (EEPROM)	Analog/digital interference	Current protection
OE	LEI	GF
Over power protection	Protection power over low protection	locking protection
OH	OL	OL1
Over heat protection	Motor over load protection	Inverter over load protection
OLO	thr	PAdF
Over load inspecting protection	Outside circuit loss protection	KP-202C Overheat, same protection
SC		
Inverter failure		

Energy consumption comparison form

It has been proved in many years and also improved on the precision 、energy-saving.

Comparing to the ECO power unit

Type: Vturn - 16,20,26 Small- lathes and turning machines Vturn - P20 P16 Workpiece			
KW (HP): 2HP	ECO power unit	YEOSHE inverter power unit	Energy consumption
Energy consumption (per year)	3470 kw/h	1908 kw/h	
Carbon displacement (per year)	2,220	1,221	- 35~50%
Electricity fee USD (per year)	508	279	(count by 45%)
Type: Vturn - X200 Turning centers Multi-axis machine tool			
KW (HP): 3HP	ECO power unit	YEOSHE inverter power unit	Energy consumption
Energy consumption (per year)	6750kw/h	3240kw/h	
Carbon displacement (per year)	4,320	4,838	- 40~60%
Electricity fee USD (per year)	988	474	(count by 52%)
Type: Vturn - AX350 Forth axis Fixtures			
KW (HP): 2HP	ECO power unit	YEOSHE inverter power unit	Energy consumption
Energy consumption (per year)	3470 kw/h	971 kw/h	
Carbon displacement (per year)	2,220	621	- 60~80%
Electricity fee USD (per year)	508	142	(count by 72%)
Type: Vturn - H630HS Horizontal machining center			
KW (HP): 3HP	ECO power unit	YEOSHE inverter power unit	Energy consumption
Energy consumption (per year)	6499 kw/h	3240 kw/h	
Carbon displacement (per year)	4,160	2,074	- 40~60%
Electricity fee USD (per year)	951	474	(count by 50%)



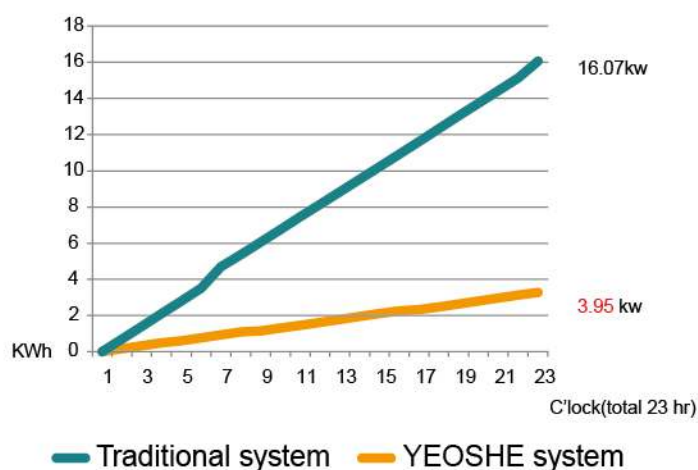
*According to the NTD currency change to USD

According to the different type of machines 、 different workpiece and working conditon will have different result.
The large machines can use 5HP/7.5HP, then you can save more money.

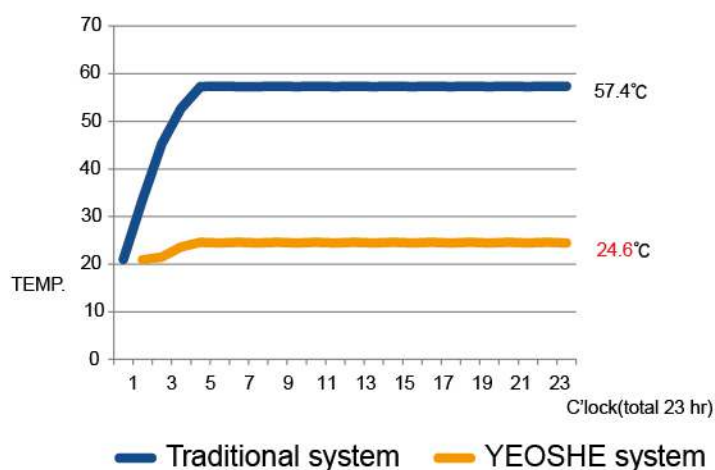
2HP data comparison form

	Traditional system	YEOSHE inverter system 
Energy consumption	23HR 16.07kw Average hourly 0.69 kwh	24HR 3.95kw  Average hourly 0.16kwh
Current value	3.0~3.1A	0.5~0.6A 
TEMP.rise	About 26°C (working23hr)	About 3°C  (working24hr)

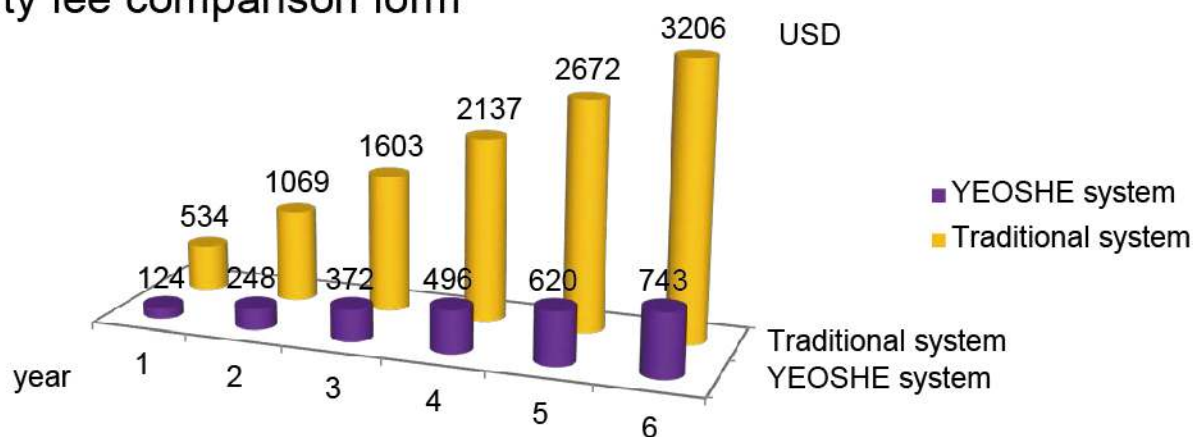
Energy consumption comparison diagram



TEMP. rise comparison diagram

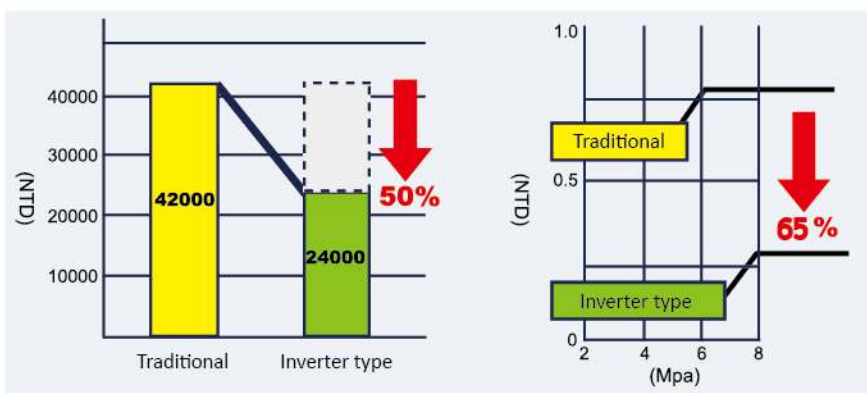


Electricity fee comparison form



Product	Fee(every day)	Fee(per month)	Fee(3 years)	Fee(6years)
Traditional	USD 2	USD 45	USD 1603	USD 3206
Yeoshe	USD 0.5	UDS 10	USD 372	USD 743

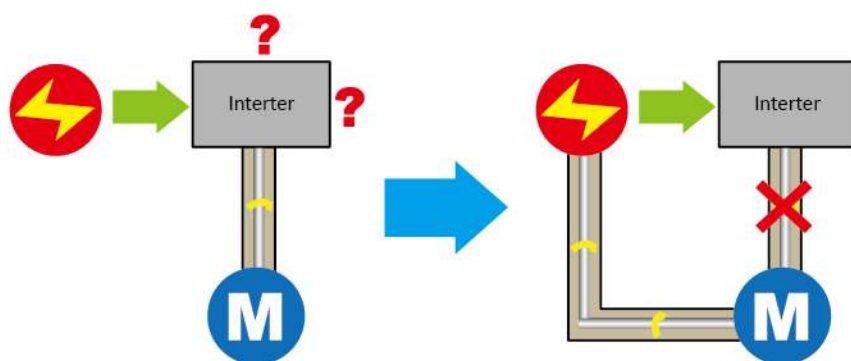
Efficient power saving 40~65%



Low noise level 50dB

- 6.0Mpa stand by time.
- Low noise level 50dB.

Production lines keep running

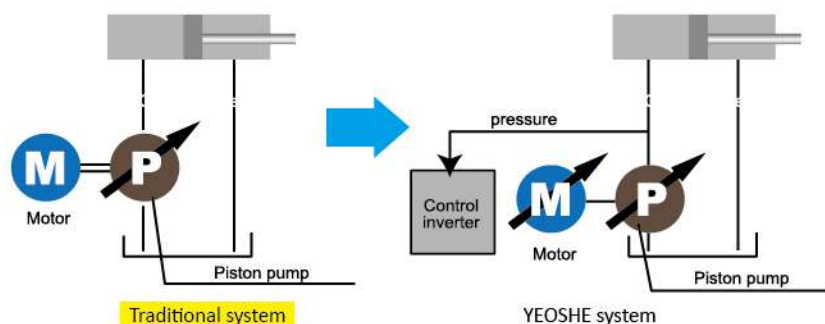


Easy Operation & Adjustment

- No need to change usual habit.
- Turn on and start.



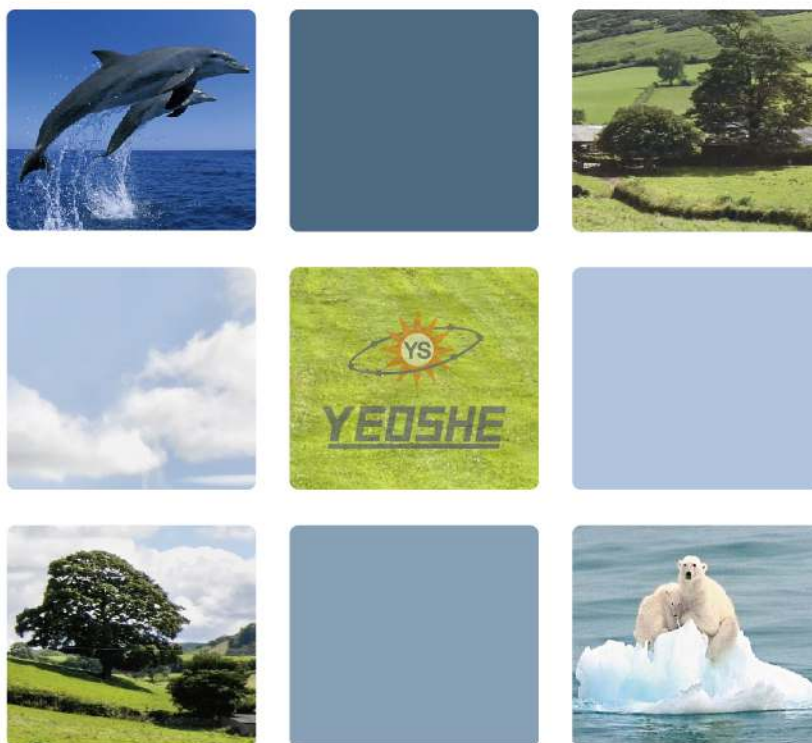
System



Environmental Protection

- Oil TEMP 2°C Raise
- 6.0Mpa stand by time.





YEOSHE

www.yeoshehydraulic.com

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Distributor

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