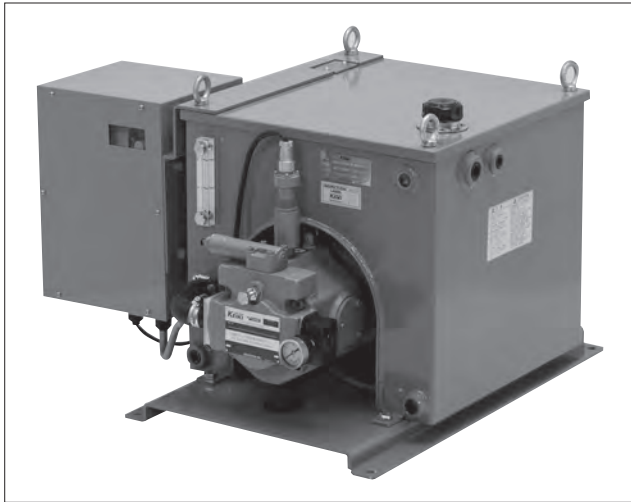


Energy saving power packages TU-INV



- Using a tilt angle sensor, these inverter control and energy-saving units automatically reduce the pump speed when the actuator has been shut down.
- They obviate the need for pressure switches and pressure sensors.
- Even when the pressure setting has changed, there is no need for adjustment of the control unit.
- During pressure control, up to 65% of energy is saved. (As compared with Tokyo Keiki's standard units)

Model Code

TU4C-N(T)-INV

1 2 3 4 5

- 1 TU-PAC configuration
- 2 Model code
See 'Specifications'
- 3 Electric motor voltage code N: 200/200/220 V 50/60/60 Hz
- 4 Solenoid valve voltage code (see right table)
Omit: No solenoid valve
- 5 Inverter control system

The same options as the TU-PAC packages are available. However, a fan cooler is provided as a standard feature instead of a radiator.

Solenoid valve voltage code

	Code	Voltage (V)	Frequency (Hz)
AC	T	100	50/60
		110	60
	B	110	50
		115	60
		120	60
	V	200	50/60
		220	60
	D	220	50
		230	60
		240	60
DC	G	12	-
	H	24	

Specifications

Model Code	Electric Motor	Piston Pump Displacement cm ³ /rev	Working Pressure *1 MPa	Max. Delivery *2 L/min	Tank Capacity L	Weight *4 Kg
TU3C-INV	1.5 kW, 4P	16	3.5	26.4	12 *3	52
TU4C-INV	2.2 kW, 4P		10.0		25	70
TU5C-INV		21	7.0	34.6		40
TU6C-INV	3.7 kW, 4P	16	14.0	26.4	60	
TU7C-INV		21	10.5	34.6		
TU8C-INV	5.5 kW, 4P	31	7.0	51.0	60	98
TU9C-INV		10.0	130			
TU10C-INV	7.5 kW, 4P	40	7.0	65.9	60	144
TU11C-INV		31	10.0	51.0		130
TU13C-INV		40	9.0	65.9		144

Note:

*1 Pressure in which oil temperature rise is held within +20°C of room temperature under continuous cutoff operation with radiator.

Relationship of working pressure and maximum allowable flow, see the TU-PAC pressure – flow – electric motor output curve.

*2 Delivery indicated with inverter at 60 Hz and 1800 min⁻¹.

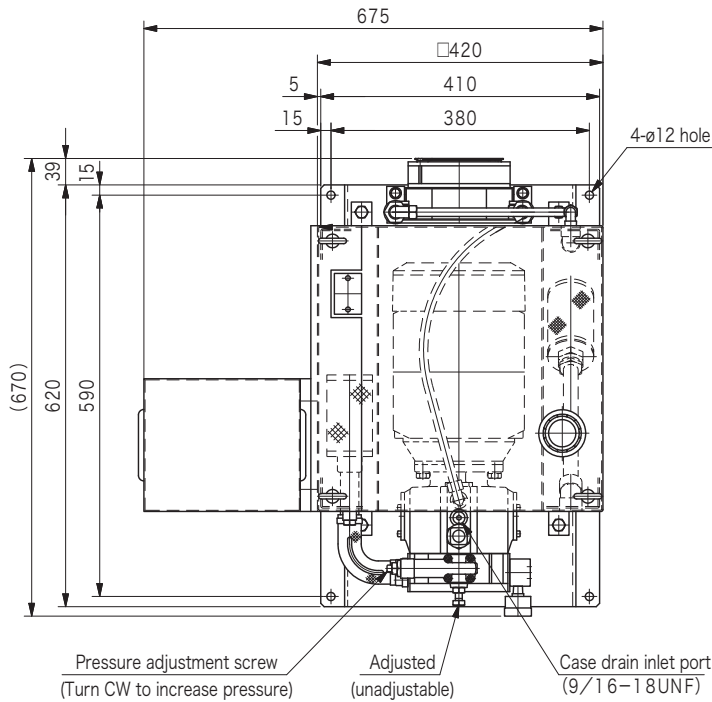
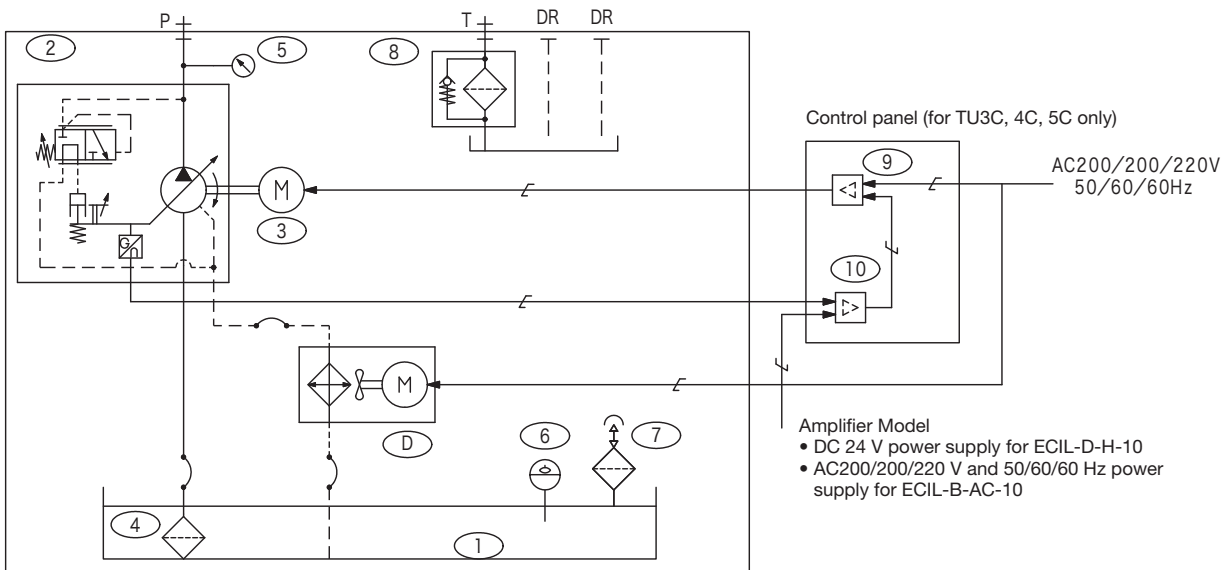
*3 Tank capacity of TU-PAC TU3C is 15 L, while TU-INV TU3C-INV is 12 L.

*4 Weight of main unit only (excluding control panel) (Hydraulic fluid and manifold block not included.)

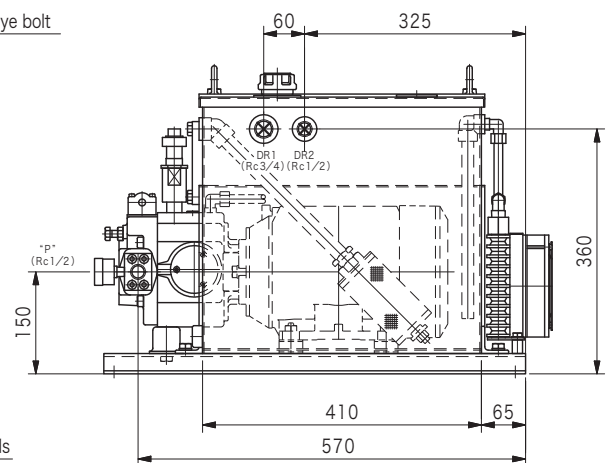
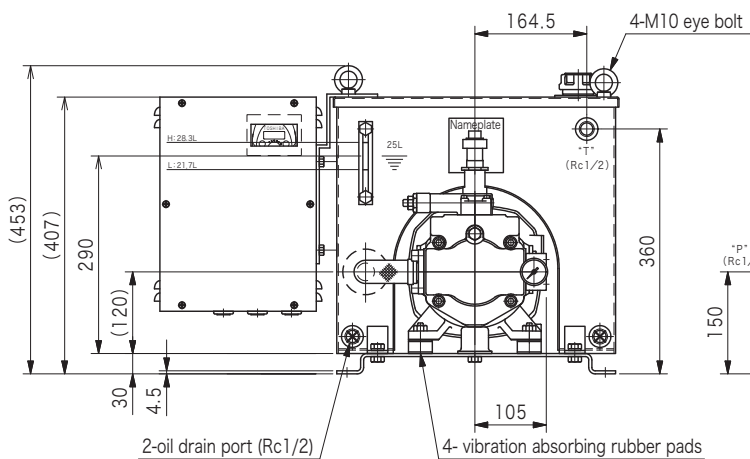
Circuits and Dimensions (examples)

- The control board is standard feature for the TU3-, 4- and 5-INV models.
- Consult Tokyo Keiki for all other equipment.

(No piping inside tank)



Code	Device Name
1	Oil Tank
2	Piston Pump Equipped with Tilt Angle Sensor
3	Direct Coupled Electric Motor
4	Strainer
5	Pressure Gauge (glycerin filled)
6	Oil Level Gauge
7	Oil Fill Port and Air Breather
8	Filter
D	Fan Cooler
9	Inverter
10	Amplifier (for tilt angle sensor)



TU4C-INV

- Consult Tokyo Keiki for support with configurations other than TU-PAC.