

OPERATOR'S MANUAL 50BL-24HR TRANSDUCER

A BLT transducer (Bolt-clamp Langevin Transducer) 50BL-24HR has replaced the 50F-24H or 50BL-24H in FCV-291/292/1100L/1200L/1500 and ETR-2D/30N.

The BLT transducer has large bandwidth, good sound efficiency, compact structure and is reinforced for protection against slamming.

MARNING



Turn off the power at the switchboard before beginning the installation.

Fire or electrical shock can result if the power is left on.

Be sure no water leaks in at the transducer mounting location.

Water leakage can sink the vessel. Also, confirm that the transducer will not loosen by ship's vibration. The installer of the equipment is solely responsible for the proper installation of the equipment. FURUNO will assume no responsibility for any damage associated with improper installation.

A CAUTION

Do not install the BLT transducer where noise or air bubbles is present.

Performance will be affected.

The BLT transducer cable must he handled carefully, following the guidelines below.

- Keep fuels and oils away from the cable.
- Locate the cable where it will not be damaged.
- The cable sheath is made of chlorophrene or polychloride vinyl, which are easily by damaged plastic solvents such as toulene. Locate the cable well away from plastic solvents.
- Do not lift the BLT transducer by its cable. Wires of the BLT transducer may be cut.

Features

When the BLT transducer is connected to the FCV-1100L or FCV-1200L, sensitivity is sufficient even if the frequency is shifted $\pm 10\%$ to suppress interference.

The BLT transducer can be installed in tank for the transducers shown in the table below.

BLT transducer	Transducer	Output	Note on replacement of
	previously used		transducer
50BL-24HR	50F-24H	3 kW	Shorten the length of
			spacers.
	50BL-24H		Change fixing flange for
			transducer.
			Add spacers.

Installation

Install the BLT transducer referring to its outline drawing and tank drawings.

Setting the echo sounder

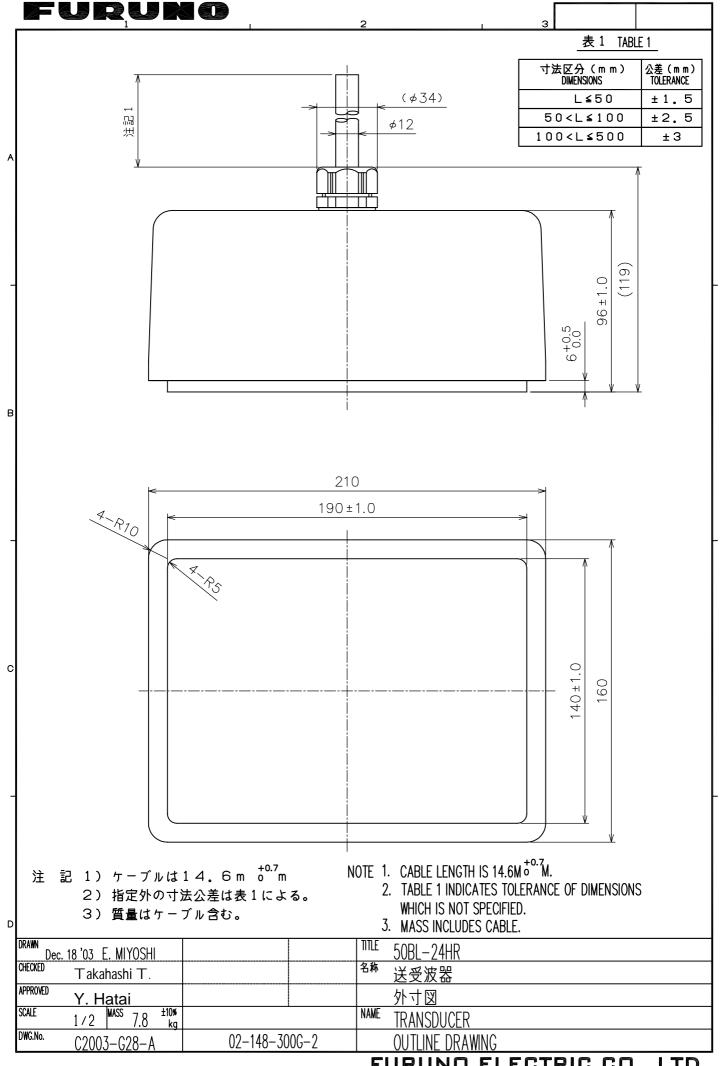
Set the supply voltage or tap on the echo sounder referring to the installation manual.

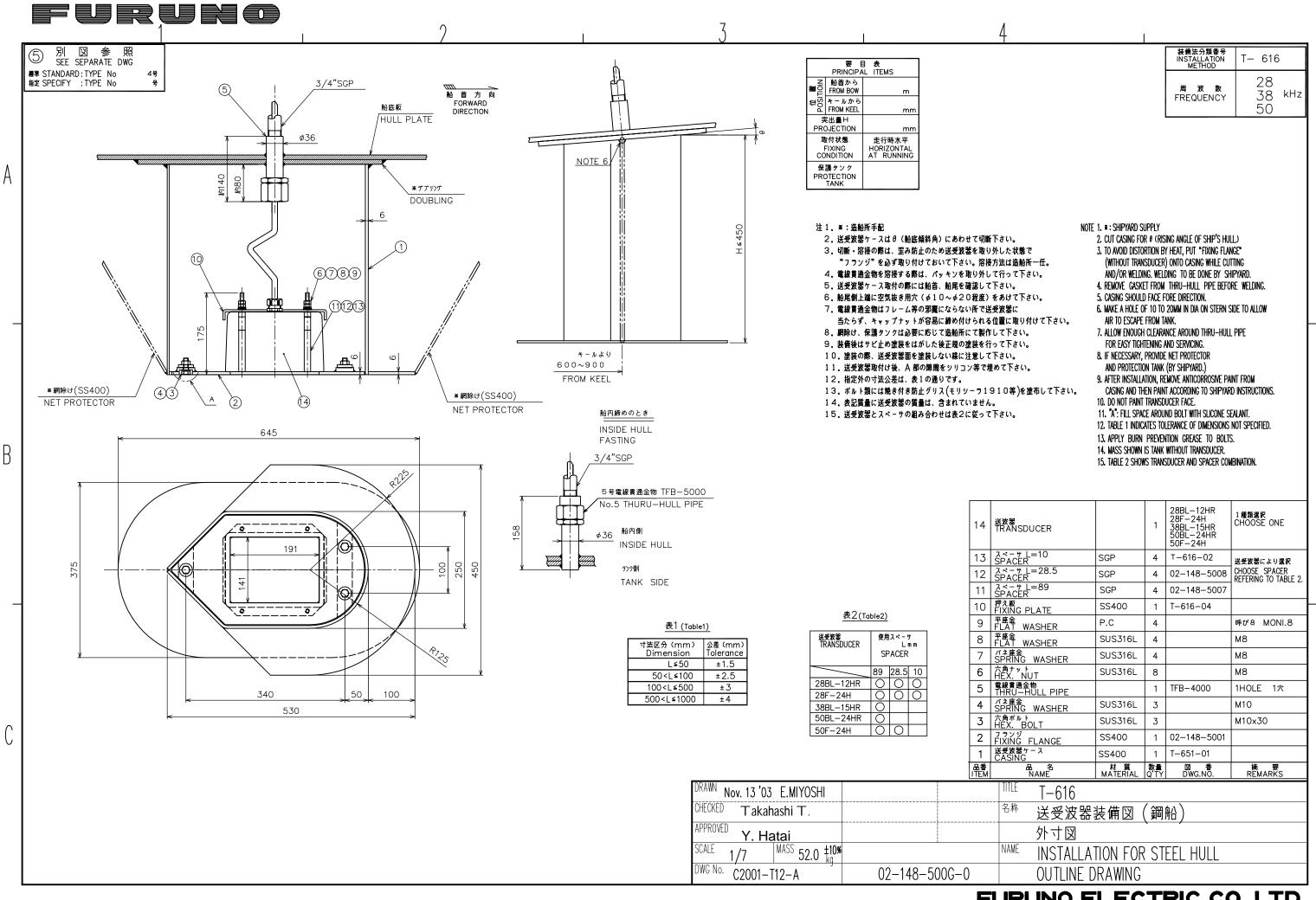
Name	Supply voltage	
FCV-1200L	90	
FCV-1500	90	

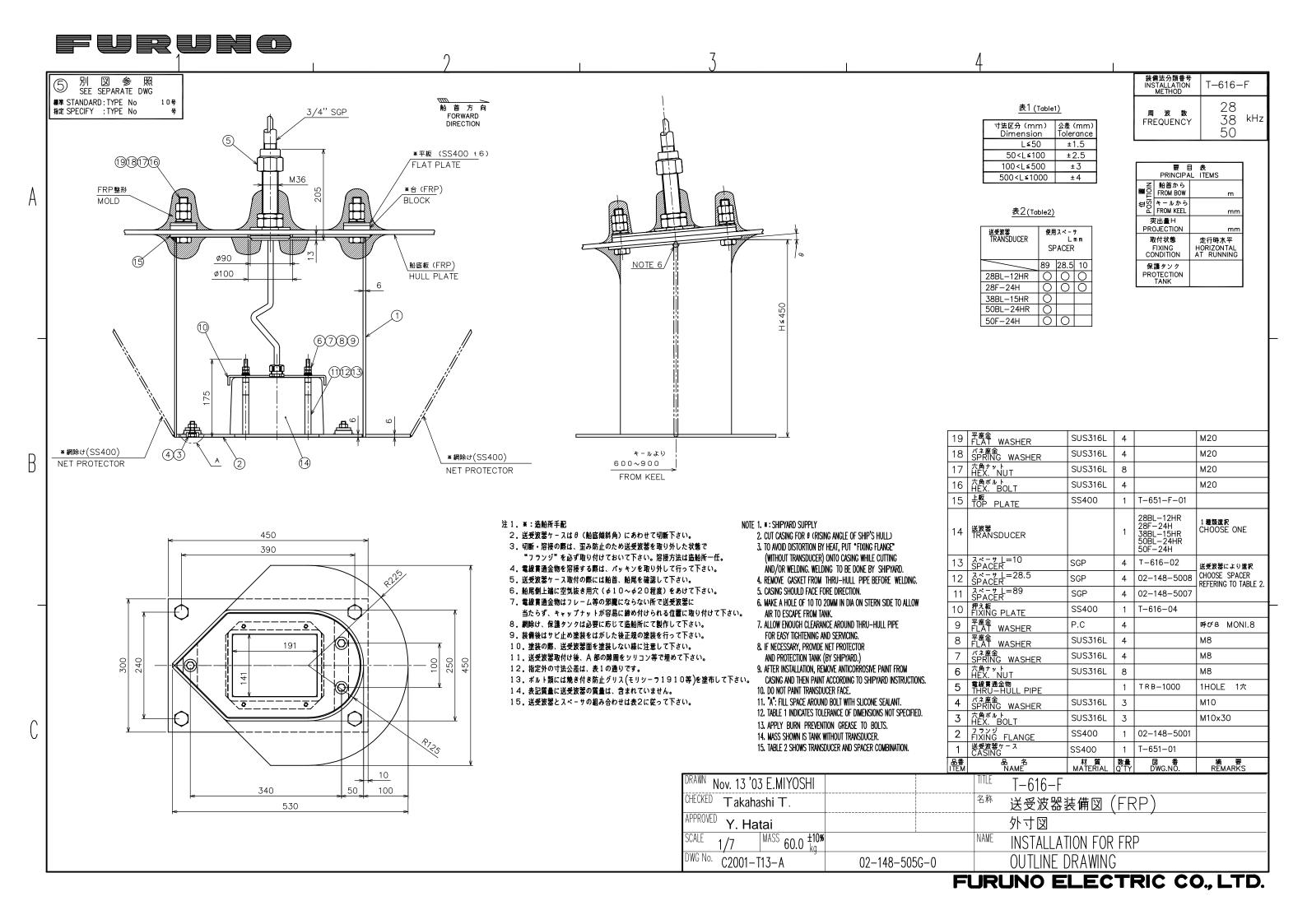
Name	Тар
FCV-1100L	E
FCV-291/292	E
ETR-3D	No change
ETR-30N	E

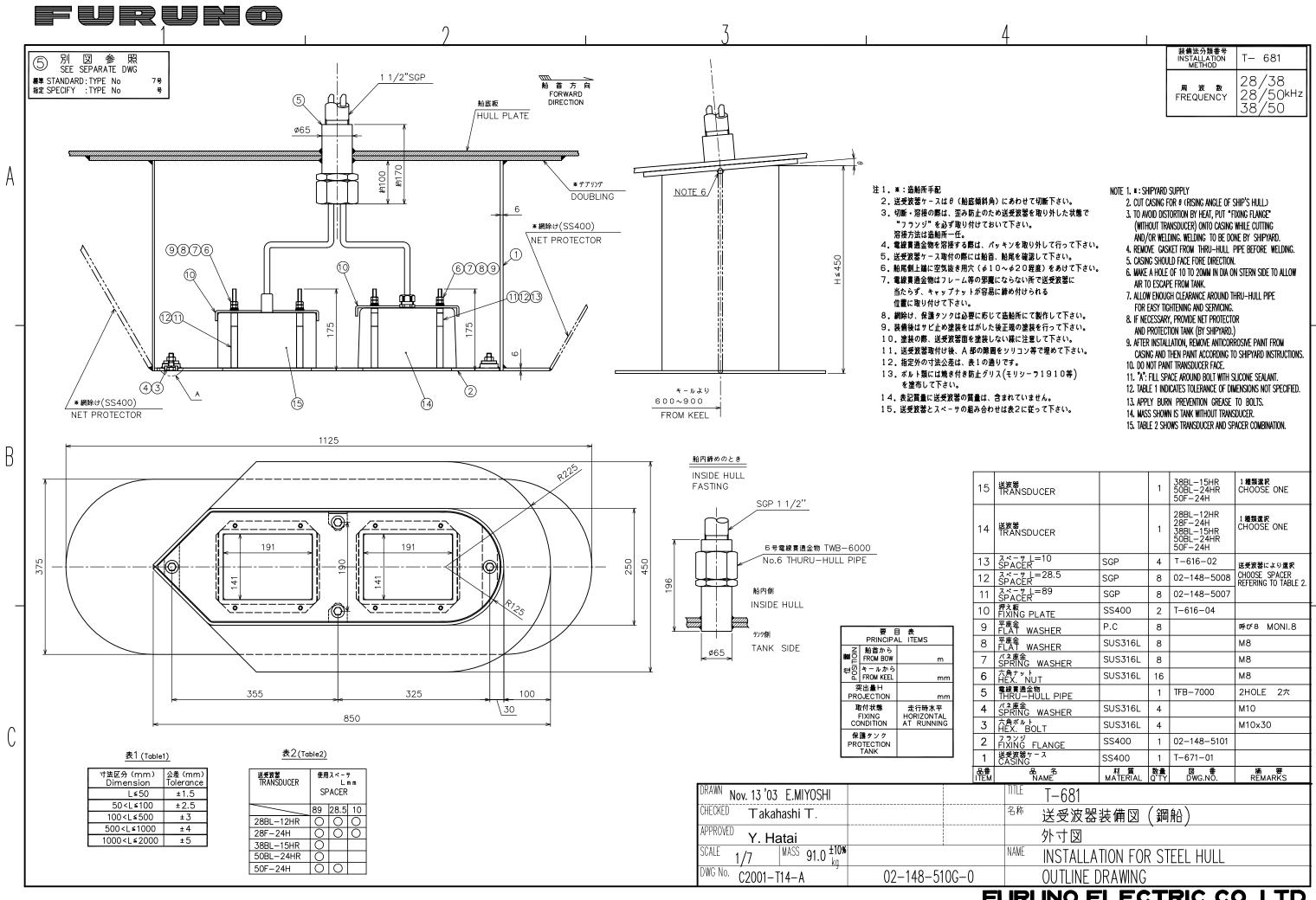
Note

38 k type transducer and 50 k type transducer share the same dimensions. To distinguish them, the SC lock of 38 k transducer is gray and that of the 50 k transducer is black.









FURUNO ELECTRIC CO., LTD.

