

Ultra-low Temperature Freezer

AST-86L410



Features

Display: LCD touchscreen with 0.1 °C resolution, dynamically displaying real-time parameters including chamber temperature, system setpoint, ambient temperature, alarm status, and time. Features temperature data viewing and data curve functionality.

Alarm System: Over-temperature alarm, sensor failure alarm, high ambient

temperature alarm, dirty condenser alarm, power failure alarm.

USB Functionality: USB power supply and data transfer, system upgrades.

Safety System: Configurable startup delay and shutdown interval protection.

Features screen password lock and password protection.

Refrigeration System: Dual-system design ensures sustained operation below -60 °C.

Insulation Material: High-density flame-retardant polyurethane foam.

Low-noise design with operational noise ≤ 55 dB after stabilization.

Technical parameters:

Volume	410L	External Dimensions (W*D*H)	850*960*1860m m
Weight	230kg	Operating Power Supply	(198~242) v;(50±1)Hz
Operating Power	980W	External Material	Spray-coated steel plate
Temperature Control Accuracy	0.1°C	Internal Material	304 stainless steel
Climate Class	SN/N	Small Door	Removable clamp-on access door

Temperature Range	-40°C ~ -86°C	Outer Door Insulation Layer	CFC-free high-density polyurethane foam
Voltage	220V 50Hz	Inner Door Insulation Layer	CFC-free high-density polyurethane foam
Refrigeration Method	Compressor Refrigeration	Inverter/Fixed-Speed	Variable frequency drive
Refrigeration Tube Material	Copper Tubing	Working Conditions	Ambient temperature: 10–32 °C (50–90 °F), humidity: 20%RH–80%RH
Temperature Control Method	Microcomputer temperature control, touch-sensitive		