



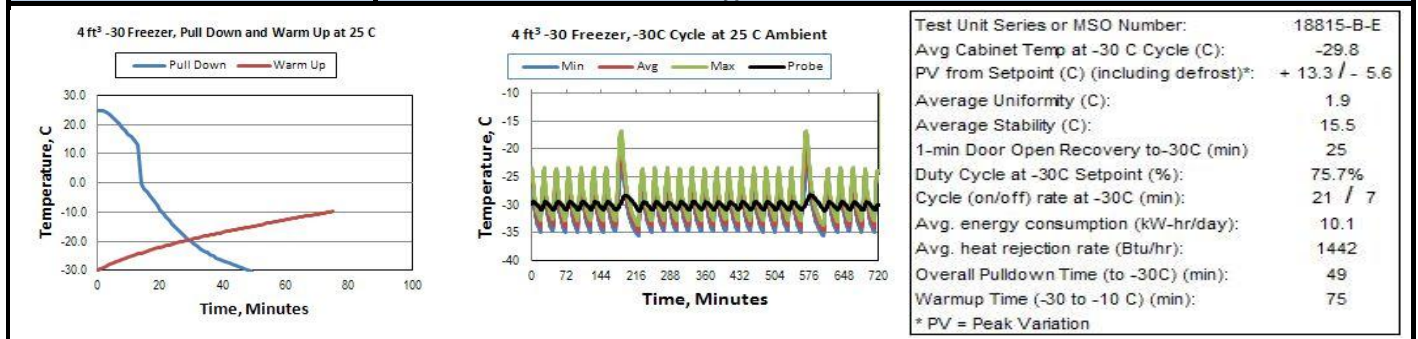
## Technical Data Sheet

### Thermo Scientific Forma Laboratory Freezer

Revision-1

Thermo Fisher Scientific, Asheville, North Carolina

	Model Number
	FFGL430A
Specifications	Application, Rating and Electrical Data
Application	Storage of Laboratory Materials
Storage Volume	133 Liters / 4.9 Cubic Feet
Temperature Rating	-30°C @ 32°C (90°F) Ambient
Electrical Power	115 VAC, 60 hz, 1 Phase
Instrument Rated Current	10.0 FLA
Building Supply Rating	Breaker 15 Amps/115v±10 Volt while operating
Power Plug/Power Cord Length	5-15 P/ 10 feet
Agency Listings	UL, cUL
Indoor/Outdoor Usage	Indoor Use Only
Application Environment	Non-Corrosive, Non-Flammable, Non-Explosive, Good Air Ventilation, 15° C - 32° C (59° F - 90° F)
Refrigeration Configuration	
Refrigeration System	Vapor Compression System with Automatic Defrost
Compressor / Number	1/2 hp Reciprocating Compressor / 1
Condenser Type/Number	Enhanced Finned-Tube and Forced-Air Cooled / 1
Expansion Device	Capillary Tube
Evaporator Type	Forced Air Evaporator Coil
Defrost Method	Automatic Defrost
Refrigerant Charge/Flammability	Non-Flammable, CFC/HCFC-Free Environmentally Safe Refrigerant Mixtures
Controller/Electrical System Configuration and Features	
Controller Level	Ground Level
Power Switch	Keyed Off-On - Alarm
Controller Type	Microprocessor-Based IntrLogic™ Control
Setpoint Security / Programmable	Standard / Standard
Compressor Safe Guard	High Pressure Cutout Switch/High Temp Cutout Switch/Current protection
Control Sensor	Stainless Steel Shielded RTD in Air
Remote Alarm Terminals	Standard
Door Open, Probe Failure Alarms	Standard
Adjustable Warm/Cold Alarms	Standard
Power Failure Alarm	Standard
Standard Electronic chart Recorder	Optional
Dimensions and Construction	
Interior Dimensions (H x D x W)	50.8 x 52.1 x 50.8 cm (20.0 x 20.5 x 20.0 in)
Exterior Dimensions (H x D x W)	85.0 x 66.0 x 61.0 cm (33.4 x 26.0 x 24.0 in)
Insulation	5.08 cm (2 in.) High Density HFC-blown Polyurethane Foam (R=42)
Door Perimeter heater	Electric
Shelves / Capacity	(3) Adjustable Wire Shelves. Max. Cap. per Shelf: 45 kg (100 lbs.)
All-Direction Casters	Standard with Two Locking and Two Regular
Ship Weight	Approximately 100 kg (220 lbs.)
1" Dia access port	Yes



- 1) Performance is nominal and individual units may vary.
- 2) Freezer performance will differ due to product amount, product size and operating conditions.
- 3) Continuous product enhancements may, without notice, result in amendments or omissions to this specification. Thermo Scientific cannot accept responsibility for damage, injury, loss or expenses resulting from misapplication of the information herein.