

COMMODITY DESCRIPTION

| HSK NO. | ITEM NO. | DESCRIPTION | UNIT | QUANTITY |
|---------|----------|---|------|----------|
| | | -80 °C Ultra-Low Temperature Freezer, 682L | SET | 1 |

A. Features

1. Powered by H-drive's hydrocarbon technology, these systems save up to 25% in energy usage and heat rejection over conventional refrigerant ultra-low freezers
2. Designed for daily usage, recovers cabinet temperature 20% faster after opening the door
3. A quiet sound output below 53 dBA, enables the freezer to come out of the hallway and into the lab
4. Meets +/-10°C validation protocols at -80°C with strong peak variation and steady-state temperature variation
5. Natural hydrocarbon refrigerants reduce system operating stresses promoting outstanding reliability and worry-free sample protection
6. The H-drive Information Center (HIC) combines easy to read temperature with simple capacitive touch buttons in a 5.6" display
7. Four capacities (300, 400, 500 and 600 2-inch box) to accommodate a variety of storage needs and lab footprint specifications
8. All models contain four inner doors allowing for easy sample access without exposing greater freezer content to ambient conditions
9. Improved customer convenience with new ergonomically designed handle, high contrast eye-level display, and comfortable easy-access shelf locations.
10. Compatible with most racking systems including a full range of racks for boxes, microplates, Matrix™ and Nunc CryoBank™ tubes

B. Specifications

1. Temperature Range : -50 °C to -86 °C (Microprocessor Temperature Controller)
2. Internal volume : 682 Liters
3. Cabinet type : Upright
4. Door type : Single
5. Shelves : 3
6. 2ml vial capacity : 50,000 ea
7. External dimension(H x W x D) : 198.1 x 86.4 x 97.7 cm
8. Shipping Weight : 333 kg
9. Electrical data : 208-230V, 50/60Hz

C. Remarks

1. The installation and operation should be carried out by the bidder/supplier responsibility at end-user's site.
2. Five years warranty service should be provided by supplier after the performance test.
3. Any equipment same or above this Commodity Description is acceptable for bid participation.