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You can read the recommendations in the user guide, the technical guide or the installation guide for SANYO MDF-U73VC. You'll find the answers to all your questions on the SANYO MDF-U73VC in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual SANYO MDF-U73VC
User guide SANYO MDF-U73VC
Operating instructions SANYO MDF-U73VC
Instructions for use SANYO MDF-U73VC
Instruction manual SANYO MDF-U73VC

Think GAIA
For Life and the Earth

SANYO

GREEN V.I.P.® -86°C Ultra Low Freezers

MDF-U73VC
MDF-U53VC
MDF-U33V



SANYO ultra low freezers provide energy savings while minimizing carbon footprint throughout the laboratory without compromising performance. Ideally suited for ultra low storage for biosafety, security, accessibility and performance. Long term preservation of biologics, reagents, specimens, components, and in testing of various types.

Model: MDF-U73VC

SANYO is committed to developing green technologies that provide energy efficiency resulting in lower operational costs with less impact on the environment.



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Manual abstract:

I.P.® -86°C Ultra Low Freezers . MDF-U73VC MDF-U53VC MDF-U33V SANYO ultra low freezers provide energy savings while minimizing carbon footprint throughout the laboratory without compromising performance. Ideally suited for ultra low storage for biosafety, security, accessibility and performance. Long term preservation of biologics, reagents, specimens, components, and in testing of various types. Model: MDF-U73VC SANYO is committed to developing green technologies that provide energy efficiency resulting in lower operational costs with less impact on the environment. GREEN product SANYO GREEN: -86°C Ultra Low Temperature Freezers Laboratory facilities present a unique challenge for energy efficient and sustainable design, with their inherent complexity of systems, health and safety requirements, long-term flexibility and adaptability needs, energy use intensity, and environmental impact. @@@@ advanced combination of low-temperature refrigeration, cabinet and control technology in the clinical and life science industry. These units offer lower operational costs than conventionally insulated models. Space-saving, high-density V.

I.P.® vacuum insulation panel construction allows up to 25% . more storage volume in the same or less foot print than conventional freezers. SANYO GREEN Advantage Summary Energy Efficiency - SANYO freezers provide reduced power consumption by capacity. This allows for lower operational costs while maintaining high performance and reliability.

CFC Free Refrigerants - SANYO was the first ultra-low freezer manufacturer to employ non-HCFC R508 low-stage refrigerant, now recognized as today's industry standard and widely available. This universal refrigerant is available to refrigeration service professionals on the open market. SANYO High Density Storage - VIP® vacuum insulation panel cabinet, SANYO can offer more useable storage volume within the same sq.ft. of floor space than competitive models. The cost per cu.ft. (or liter) of interior storage space is significantly lower in a SANYO ultra-low freezer. SANYO Ultra Low Refrigeration System - Allows for better temperature uniformity, permitting the entire interior volume to be used for long-term storage. This ensures greater system longevity and reliability by minimizing compressor operating temperatures, efficient location of evaporator systems around the interior chamber, and balanced refrigeration system.

Noise Reduction - If operating noise from refrigeration compressors is excessive, the working environment is severely compromised. @@@@ The result is more efficient internal cooling and greater system reliability. Heat reduction results range more than 40°C below leading brand compressors used by numerous competitors (Chart 5). With lower compressor discharge temperatures and pressures, newer refrigerants can be more effective. Combined with SANYO's patented VIP® insulation, the migration of ambient heat from the laboratory to the interior is minimized.

This improves operational efficiency and lowers air conditioning costs (Chart 4). SANYO continues to improve the efficiency of their compressors for meeting green requirements. Heat Rejection by Box Capacity Discharge Temperature by Box Capacity Chart 4 - SANYO Freezers reduce your air conditioning costs and allow you to reduce the size of air handling requirements. Chart 5 - SANYO Compressors offer lower discharge temperatures, greater reliability and efficient operation.* Green Data SANYO GREEN Justification ® Patented V.I.P Insulation Increases Interior Volume . By As Much As 25% Ultra Low Freezer Case Study SANYO patented V.I.P® Vacuum Insulation Panel technology .*

and high-tech, thin profile cabinet walls increase interior volume by as much as 25% for high density storage in a minimal cabinet footprint (Chart 6). Cellular wall construction combines vacuum insulation with polyurethane foam for structural stability and highest insulation values while reducing wall thickness by as much as 50% over conventional methods. In June 2008, a green justification study was conducted for a major research university that instituted key sustainable directives in their procurement process. This study examined several key areas that focus on energy efficiency and sustainable design including: annual CO2 emissions, life cycle operational and facility HVAC costs. @@@@ Annual CO2 Emissions by Box Capacity U.*

S. Patent No. @@ Tested in 25°C ambient environment. Freezer cycling at -80°C. Cabinet volume, 25 cu. ft. Average cabinet temperature based on temperature mapping (15 thermocouples). SANYO Commercial Solutions A Division of SANYO North America Corporation 1300 Michael Drive, Wood Dale, IL 60191 USA Toll Free USA 800-858-8442 · Fax 630-238-0074 www.sanyobiomedical.com SANYO Canada, Inc. 1- 300 Applewood Crescent, Concord, Ontario L4K 5C7 905-760-4025 · Fax 905-760-9945 LR.VIP-GRN7 .08 .



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