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You can read the recommendations in the user guide, the technical guide or the installation guide for SANYO MPR-215F. You'll find the answers to all your questions on the SANYO MPR-215F in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual SANYO MPR-215F
User guide SANYO MPR-215F
Operating instructions SANYO MPR-215F
Instructions for use SANYO MPR-215F
Instruction manual SANYO MPR-215F



Features:

- Energy-saving storage solutions for uniformity, reliability and environmentally safe operation.
- SANYO Designed refrigeration systems designed for precise and stable vaccine and biologics storage.

www.sanyobiomedical.com

My Life. My Work. My Choice.



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Manual abstract:

SANYO Designed refrigeration systems designed for precise and stable vaccine and biologics storage. www.sanyobiomedical.com My Life. My Work. My Choice. VIP Automatic Alarm System Automatic Alarm System Automatic Alarm System Automatic Alarm System Rechargeable Battery Rechargeable Battery VIP Plus Vacuum Insulation Panel Remote Alarm Remote Alarm VIP Vacuum Insulation Panel Rechargeable Rechargeable Energy Service Battery Battery Automatic Automatic Rechargeable Alarm System Rechargeable Alarm System Battery Battery VIP Plus Vacuum Insulation Panel able ry MPR Series Pharmaceutical Refrigerator with Freezer VIP+ VIP VIP Vacuum Insulation Panel Service SAVE SAVE Energy CPU and Touch VIP Vacuum Pad Design ICD Digital Insulation Panel Insulation Panel Display VIP Plus Vacuum VIP Vacuum Insulation Panel ICD Digital Insulation Panel Display VIP+ VIP+ Filterless VIP Plus Vacuum VIP VIP Power Failure CFC Automatic Free Automatic Air Filter Alarm Alarm System Alarm System AutomaticFree Automatic Service over Failure CFC Air Filter CPU and Filterless Alarm System Alarm System Alarm Touch Pad Design SAVE Energy Insulated Filterless Inner Doors Design Filterless Insulated Design Inner Doors Remote Alarm CPU and Touch Pad CPU and Touch Pad tic stem SANYO MPR Series pharmaceutical refrigerators with freezer combine high performance refrigeration, control and alarm/monitoring systems SAVE with energy efficient, cost-effective cabinet design. One unit with dual temperature zone needs only minimal space. @@@@ Safe and secured storage behind a keyed locking door. Integrated alarm functions.

@@ Four-door design reduces air loss during door openings. (MPR-414F) Easier validation services calibration adjustment through the control panel is available. The MPR series combo units have two separate specially designed compressors and offers quiet operation. SANYO Cycle Defrost Unique cycle defrost (refrigerator only) initiates only as required; maintains internal temperature uniformity without fluctuation due to a defrost cycle. SANYO-Designed Refrigeration SANYO-designed compressors allow differential control of individual refrigerator and freezer compartments. Validatable Storage Laboratory-grade integrated systems are designed to assure stored product safety. Alarm & Safety Functions MPR-215F MPR-414F Yes Yes Yes Yes Microprocessor Controls Comprehensive setpoint, alarm, monitoring and diagnostic functions based on SANYO-built microprocessor controller with digital display of all input/output functions. Temperature Alarm Overheating Protection Memory Back-up Function Door Ajar Self-diagnostic function Key Lock Switch Yes Yes Yes Yes Yes Yes MPR Series Pharmaceutical Refrigerator and Freezer Application Specific Preservation ith Freezer MPR-414F / MPR-214F refrigerators that are not suitable for pharmacy use. differentiate them from conventional household Vaccine Storage SANYO offers a selection of Pharmaceutical Refrigerators and Freezers that include significant design and performance properties which Refrigerator with Freezer MPR-414F / MPR-214F SANYO MPR Series vs Domestic Refrigerator Refrigerator with Freezer MPR-414F / MPR-214F ith Freezer MPR-414F / MPR-214F Specifications Variations LEDtemperature and failure features which enhance user in display for easy-to-read Design temperature and alarms to follow storage and monitoringoperation: Domestic Model MPR-214F Two full width and three half width shelves LED display for easy-to-read Design MPR Series features which enhance user requirements can drastically affect the Model Number Refrigerator Compartment Refrigerator Freezer temperature and alarms provide 1.23m2 (13.

5ft2) of refrigerator operation: x 557 x 1.790 mm Exterior dimensions 540 effectiveness of vaccines through non- with 200mm (8") height clearance. CFC-Free, reliable temperature control not affected by storage Yes No (W x D x H) Two full width and three half width shelves Double pane window compliance of regulatory standards of adjustable on 100mm (4") centers ambient temperature Shelves Effective capacity provide 176 litres2 (13.5ft2) of refrigerator 39 litres for viewing 1.23m governing agencies. SANYO designs Weight 80 kg (MPR-414F) storage with 200mm (8") height clearance. Yes No Polyester resin finish ba chamber temperature Exterior Double pane window equipment for specific applications while shelf Digital Display ofof One freezer permits two levels Shelves Styrol resin on 100mm (4") Painted aluminium plate adjustable centers for viewing Interior storage on 0.2m2 Precise temperature setting of chamber with (2.6ft2) of shelf area. meeting the standards of the Food and (MPR-414F) Insulation CFC-free rigid p Yes No (MPR-414F) microprocessor Drug Administration easy-to-read Design features which enhance user control LED display for easy-to-read One freezer shelf permits two levels of -30°C LED display for (FDA), American Temperature range 2 to 14°C -20 Specifications Design features which enhance user to temperature and alarms temperature and alarms operation: The top refrigerated section has a pillarless Ambient temp.

: 30°C Association of Blood Banks (AABB), operation: 0.2m2 (2.6ft2) storage Ambient temp. : 35°C of shelf area. on Yes No (2°C Temperature Micro design width and Variable temperature control of Refrigerator Model 4°C) control MPR-214F (MPR-414F) Two full width and three half width shelves Two three and triple shelves Joint Commission on Accreditation full for easy access half width pane Cooling method Fan-Forced Direct cooling Compartment Refrigerator air circulation windows for viewing. providerefrigerated sectionrefrigerator 1.23m2 (13.5ft2) of has aFreezer provide 1.23m2 (13.5ft2) of refrigerator The top60W pillarless of Healthcare Organizations Compressor 60W Exterior dimensions 540 x 557 x 1.

790 mm Max/Mid/Min (MPR-414F) Variable temperature control of Freezer (-20°C -30°C) storage with 200mm (8") height clearance.

@@@@@ casters wit Casters Interior Styrol freezer sections. @@storage on 0.2m2 (2.6ft2) of shelf area.

of Refrigerator and Freezer Interior incandescent light. @@@: 35°C The top refrigerated section has Ambient temp. @@@@. Digital temperature sensors inside for viewing. @@@@ Small radius door design. Microprocessor self-diagnosing electronics.

@@ Yesrefrigerant. temperature within the 2°C toInterior incandescent light. @freezer sections. Temperature recorder (option) Alarm and safety functions 800 High/low temperature alarm, Door a Alarm and safety 540 557 720 60 Power cord 57 455 500 R Self diagnostics, remote ala Evaporator operates at 2°C, therefore Some Models position MPR-414F MPR-214F Field support, operational peace of mind indicator light and audible alarm 82 Field support, 450 MPR-214F Yes operational peace of mind Door ajar option with Yes chemicals that are high preventing vaccines from freezing These models are Alarm future serviceability is preserve by: not explosion-proof/safe.



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DO NOT assured and safety functions and future serviceability is assured by: 176 LITRES 1790 123 500 ition: no load, ent temperature: 30°C
Temperature rise during defrosting 1425 Temperature ture at the middle r cabinet 1790 1805 6 4 2 Temperature Temperature MPR-414F 2 me (Hours) 3 4
Performance Data of MPR Series Performance data MPR-414F -50 0 0 5 10 15 20 25 30 Ambient temperature 35 0 -10 -20 1 Time (Hours) Temperature at
the middle of freezer cabinet 2 3 4 5 6 4 T Highest chamber temperature Temperature at middle of chamber Temperature at middle of upper chamber 420
Lowest chamber temperature Lowest chamber temperature 315 8 Highest chamber temperature 267 Temperature Self-diagnostic function Highest chamber
temperature 30 -30 Temperature at middle of chamber Temperature at middle of upper chamber Key lock switch 20 Lowest chamber temperature -40 Lowest
chamber temperature 10 Yes Condition: no load, Yes Yes MPR-414F Yes ambient temperature: 30°C 10 Temp. setting 5°C standard refrigerator 5°C Key lock
switch -10 -20 -30 -40 during defrosting Yes Yes 337 317 MPR-414F 465 ndard home-use refrigerators Yes Yes Yes Yes Door Ajar standard home-use
refrigerators) (°C) 0 Temperature rise Access port (°C) A rt MPR-414F Temp setting Yes Yes Self-diagnostic function Temperature alarm 340 acteristics
Relationship temperature recovery Freezer chamber temperature cycle of MPR-414F · 176ambient temperature change (compared to Efficientbetween
chamber temperature Performance data MPR-414F 176 LITRES and LITRES compared to standard home-use refrigerators R Yes Temperature alarm Unique
cycleYes defrost automatic + defrost system standard home-use refrigerators) + properties.Minimal temperature protection Yes Yes Overheating (°C) 0 (°C)
MPR-414F Temp setting Freezer Relationship between chamber temperature 39 LITRES 39 LITRES fluctuations around set 5°C Memory back-up function
pull-down characteristics 250 standard refrigerator point Temp. setting 5°C -10 Yes Yes 60 465 MPR-214F MPR-414F MPR-214F MPR-214F 540 420 455
Key lock switch Power cord 57 position 82 267 MPR-414F · Fan-forced air circulation temperature uniformity Set temperature deviation for precise Alarm
and safety functions Self diagnostic function R Key lock switch Yes Yes Dimensions 1805 compartment for compartment for Yes High/low alarm and under
cooling overheating protection Yes Yes Overheating protection MPR-414F No MPR-214F · Alarms and temperature monitoring forsaf HCFC/CFC-free
refrigerant. MPR-214F temperature stable stable 39 LITRES temperature The use of safe HCFC/CFC-free refrigerant. The use of 200 250 Yes Yes Memory
back-up function 176 LITRES Yes Yes Temperature alarm quick notification of adverseDoor Ajar operating Yes Yes + Yes NoYes Remote alarm terminal Yes
Overheating protection Access port conditions A rt Yes Yes Self-diagnostic function 39 LITRES 500 750 917 + Direct cooling freezer Temperature alarm
Microprocessor self-diagnosing electronics.

Yes Yes Direct cooling freezer 123 Microprocessor self-diagnosing electronics. R 11 Memory back-up function Door Ajar Yes Yes Yes Yes 1425 Yes 337 317
Yes Yes500 450 557 NoYes Yes Self-diagnostic function Alarm and safety functions MPR-414F 315 No Yes MPR-214F 800 720 245 R R MP 115 MPR Series
Specifications Biomedical Refrigerator with Freezer Combination Name MPR-215F Refrigerator 6.2 cu. ft. 176 L 21.3" x 21.9" x 70.5" 540 x 557 x 1790 mm
176 lbs. 80 kg Polyester resin finish baked on zinc galvanzied steel Styrol resin Freezer MPR-414F Freezer 1.4 cu.
ft. 39 L Refrigerator 12.0 cu. ft. 340 L 31.
5" x 23.6" x 71.0" 800 x 600 x 1805 mm 277 lbs. 126 kg Freezer 2.9 cu.

ft. @ @ : 35°C Ambient temp. : 30°C Ambient temp. : 35°C Ambient temp. @ @ @ @ Door key lock. 2-pen type circular temperature recorder (MTR-C955)
Drawers for the bottom left compartment (MPR-41R): MPR-414F only These models are not explosion-proof/safe. DO NOT preserve chemicals that are
highly volatile or corrosive. Dimensions 540 455 82 123 60 Power cord 57 position 557 500 450 800 720 60 600 540 495 315 234 33 100 500 250 750 917
200 115 117 763 446 495 A 1790 rt 1425 Access port 1805 574 337 317 440 245 69 586 315 SANYO North America Corporation Biomedical Solutions
Division 1300 Michael Drive, Suite A, Wood Dale, IL 60191 Toll free USA (800) 858-8442, Fax (630) 238-0074 www.sanyobiomedical.com 420 267 P
SANYO100810V1 465 340 350 155 Power cord position P 28 132.

5 MPR-215F MPR-214F MPR-414F MPR-414F Units mm Unit: mm (Unit: mm) Product conforms to RoHS (European Restriction of Hazardous Substance
directives) efficient T SANYO Electric Co.,Ltd., Biomedical Division, Gumma is certified for quality management system:ISO9001/medical devices quality
management system:ISO13485/environmental management system:ISO14001 Options absolute Temperature chart recorder MTR-G3504 (-10°C to +40°C and
-60°C to +40°C) .



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