



Refrigerators/freezers, medical/pharmaceutical, MPR series

SANYO

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Accurate and reliable temperature control

Fan-assisted circulation provides even temperature distribution and precise temperature control from 2°C to 14°C. The freezer compartment of model RFS-162-010X uses direct cooling. Double or triple glazed doors coated with a heat reflective film insulates against changes in ambient temperature (the freezer compartment of RFS-162-010X has a solid door). Foamed in place polyurethane insulation ensures temperature stability and reduced energy consumption, whilst automatic cyclical defrosting has minimal impact on the internal temperature.

Sample protection

Straightforward controls and a digital display on all models with clear confirmation of temperature. Extensive alarm systems provide sample protection. High and low temperature safety devices prevent the contents of the refrigerator from freezing or their temperature rising abnormally - an optional temperature recorder provides hard copy of refrigerator performance.

Sliding doors with positive close action (and with lock for sample security) reduce the amount of installation space required and with an internal lamp allow for easy identification of samples. RFS-162-010X features hinged doors and an interior lamp in the refrigerator compartment only. Castors aid installation.

Features fully automatic cyclical defrosting and easy to clean interior surfaces. Access ports allow thermocouples and cables to be fitted.

Technical Specification - Specific

	RFS-162-010X	RFS-195-020S	RFS-198-020A	RFS-198-030U	RFS-202-010C
Capacity, L	176 (Refrigerator) 39 (Freezer)	340 (Refrigerator) 82 (Freezer)	684 (Refrigerator)	1,034 (Refrigerator)	1,365 (Refrigerator)
Temperature range, °C	+2 to +14 (Refrigerator) -20 to -30 (Freezer)	+4 to +14 (Refrigerator) -20 to -30 (Freezer)	+2 to +23 (Refrigerator)	+2 to +14 (Refrigerator)	+2 to +23 (Refrigerator)
Controller	Microprocessor	Microprocessor	Microprocessor	Electronic	Microprocessor
Cabinet interior material	Styrol/aluminium	Stainless steel/aluminium	Painted steel	Stainless steel	Painted steel
Shelves supplied	3 + 1	5 + 1	5 racks	5 wire + 10 racks	10 racks
Access ports	2 x 30mm diameter	2 x 30mm diameter	3 x 30mm diameter	40mm diameter	3 x 30mm diameter
Dimensions, external [w x d x h], mm	540 x 557 x 1,790	800 x 600 x 1,805	770 x 830 x 1,955	1,800 x 600 x 1,790	1,440 x 830 x 1,950
Dimensions, internal [w x d x h], mm	650 x 710 x 1,500	1,700 x 465 x 1,300	1,320 x 710 x 1,500	317 x 440 x 586	1,320 x 710 x 1,500
Mass, kg	81	126	167	288	231
Power, W	285	610/670	320	390	597

Technical Specification - General

Display type	Digital
Compressor	Hermetic
Alarm	Audio visual/high (15°C)/low (0°C)/door ajar (system)
Door style	Double glazed, solid
Electrical supply	230V 50/60Hz

Overall external dimensions include all external fittings. For installation purposes some of these can be removed. For details contact Customer Service. Overall inner dimensions do not include internal fittings.

Catalogue No	Alt. No	Description
RFS-162-010X	MPR-214F	Pharmaceutical refrigerator/freezer, 176/39L
RFS-195-020S	MPR-414F	Pharmaceutical refrigerator/freezer, 340/82L
RFS-198-020A	MPR-720R	Medical/pharmaceutical refrigerator, 684L
RFS-198-030U	MPR-1013R	Medical/pharmaceutical refrigerator, 1,034L
RFS-202-010C	MPR-1410R	Enviro-centre pharmaceutical refrigerator, 1,365L

Accessories

Catalogue No	Alt. No	Description
RFS-198-010D	MPR-41R	Accessory kit (drawers) for RFS-195-020S