

SMART RACK

CO2 COMPACT RACK

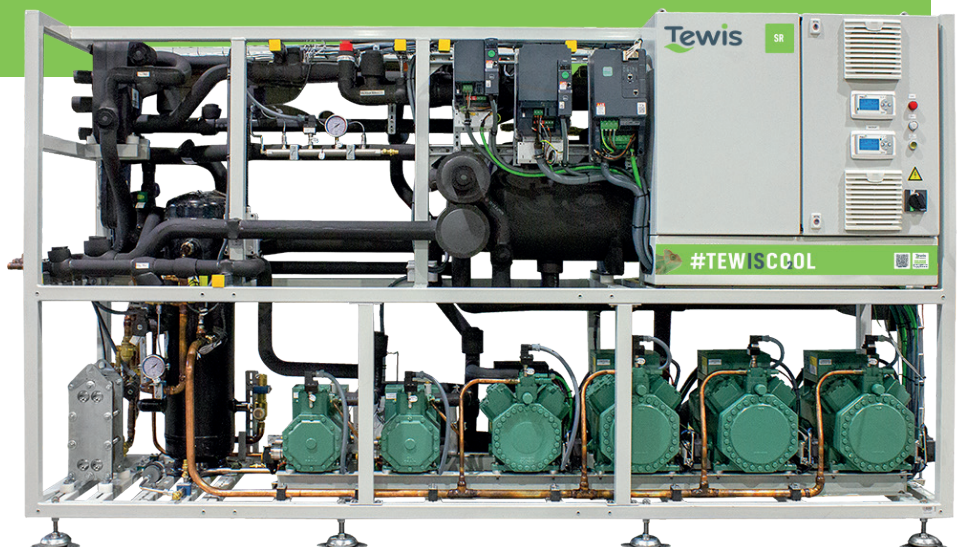
Tewis most flexible and powerful compact unit. Its optimized design and dimensions facilitate installation and maintenance. Profitability and energy savings assured for medium-sized supermarkets and small industrial applications.

- » FOOD RETAIL (CONVENIENCE STORES).
- » SUPERMARKETS.
- » REFRIGERATED WHAREHOUSES.
- » WORKING ROOMS
- » SEMI-INDUSTRIAL APPLICATIONS

COOLING CAPACITY: 40 TO 140 KW

APPLICATION: 400 TO 1.500 M2

- ✓ Profitability and energy savings.
- ✓ 100% CO2 = low enviromental impact.
- ✓ Compact and simple design.
- ✓ Up to 6 compressors.
- ✓ Copper connections.
- ✓ Extreme flexibility
- ✓ Remote control (accessible anywhere)
- ✓ Easy commissioning and maintainance.



PS 120 / 70 /
52 / 30 Bar

40 to 120 KW

Plug & Play

Emergency
Unit

Liquid receiv.
up to 160l

M2

400 > 1600

Compact
Design

< Maint.
Costs

STANDARD EQUIPMENT

- Tubular chassis.
- Oil separator accumulator.
- 80 /120 / 160L liquid receiver.
- Up to 6 compressors.
- Frequency inverter for MT.
- Two electronic sensors for refrigerant levels.
- All copper connections.

OPTIONS

- Parallel compressor .
- RHX (Recovery Heat Exchanger).
- IHX (Intenal Heat Exchanger).
- Double high pressure and gas bypass valves.
- Emergency unit on board.
- Desuperheater on board.
- Inverter LT.
- 10" touchpad TMS (Tewis Machine Supervisor).

DESIGN PRESSURES C02

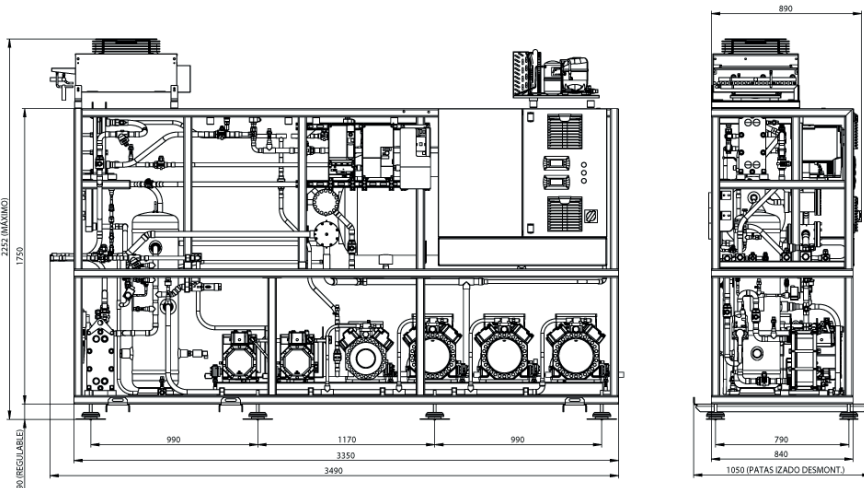
- MP (MT suction): 52 bar.
- LP (LT suction): 30 bar.
- IP (Reciever and liquid line): 70 bar.
- HP (Discharge): 120 bar.

CONTROLLERS

- Tewis (EWCM9000pro).
- Danfoss (AK-PC772 or 782).
- Carel (pRack PR300T Medium or Large).

COMPRESSORS

- BITZER.
- DORIN (soon available)



With its reduced dimensions and a width of 79cm, Smart Rack is the most complete solution for retrofit supermarkets, gaining space for the sales floors.

Its design allows easy access to all the components of the unit, reducing installation and maintenance time and costs.

MODELS & DATA

BASE CODE	APPLICATION	CAPAC. KW MT* 70 HZ	CAPAC. KW LT* 70 HZ	MT COMPRESSORS	PARALLEL COMPR.	LT COMPRESSORS
GSR2FJ_093YBX	MT	94,9	—	1 x 4JTE-15K (V.F.) + 2 x 4JTC-15K	1 x 4MTE-10K	—
GSR2FJ_041YBX	MT	114,67	—	1 x 4HTE-20K (V.F.) + 1 x 4FTC-20K	1 x 4JTE-15K	—
TSR2EJ_585XBX	MT+LT	36,84	5,79	1 x 4JTE-15K (V.F.) + 1 x 4JTC-15K	—	1 x 2KSL-1K
TSR2FJ_092XBX	MT+LT	62,7	6,48	1 x 4HTE-20K (V.F.) + 1 x 4FTC-20K	—	1 x 2KSL-1K
TSR2FJ_086YBX	MT+LT	75,26	6,48	1 x 4HTE-20K (V.F.) + 2 x 4HTC-20K	—	1 x 2KSL-1K
TSR2FJ_089YBX	MT+LT	81,48	6,48	1 x 4HTE-20K (V.F.) + 1 x 4HTC-20K	1 x 4MTE-10K	1 x 2KSL-1K
TSR2FJ_439YBX	MT+LT	70,61	11,10	1 x 4HTE-20K (V.F.) + 2 x 4HTC-20K	—	1 x 2KSL-1K + 1 x 2KSL-1K
TSR2FJ_090YBX	MT+LT	37,97	12,7	1 x 4JTE-15K (V.F.) + 1 x 4HTC-20K	1 x 4MTE-10K	1 x 2GSL-3K
TSR2FJ_490YBX	MT+LT	62,01	14,16	1 x 4JTE-15K (V.F.) + 1 x 4JTC-15K	1 x 4MTE-10K	1 x 2JSL-2K + 1 x 2JSL-2K
TSR2FJ_489YBX	MT+LT	73,76	14,16	1 x 4HTE-20K (V.F.) + 1 x 4HTC-20K	1 x 4MTE-10K	1 x 2JSL-2K + 1 x 2JSL-2K
TSR2EJ_112XBX	MT+LT	20,47	18,5	1 x 4JTE-15K (V.F.) + 1 x 4JTC-15K	—	1 x 2HSL-3K + 1 x 2HSL-3K
TSR2FJ_128XBX	MT+LT	50,81	18,33	1 x 4HTE-20K (V.F.) + 1 x 4FTC-20K	—	1 x 2HSL-3K + 1 x 2HSL-3K
TSR2FJ_128XBX	MT+LT	80,75	18,5	1 x 4HTE-20K (V.F.) + 2 x 4FTC-20K	—	2 x 2HSL-3K
TSR2EJ_893XBX	MT+LT	22,5	21,06	1 x 4JTE-15K (V.F.) + 1 x 4HTC-20K	—	1 x 2GSL-3K + 1 x 2GSL-3K
TSR2FJ_193YBX	MT+LT	82,91	21,77	1 x 4HTE-20K (V.F.) + 2 x 4FTC-20K	—	1 x 2GSL-3K + 1 x 2GSL-3K
TSR2EJ_895XBX	MT+LT	22,81	28,07	1 x 4HTE-20K (V.F.) + 1 x 4HTC-20K	—	1 x 2FSL-4K + 1 x 2FSL-4K
TSR2FJ_444YBX	MT+LT	46,80	27,82	1 x 4JTE-15K (V.F.) + 2 x 4HTC-20K	—	1 x 2FSL-4K + 1 x 2FSL-4K
TSR2FJ_088YBX	MT+LT	76,79	27,82	1 x 4HTE-20K (V.F.) + 2 x 4FTC-20K	—	1 x 2FSL-4K + 1 x 2FSL-4K
TSR2GJ_001ZBX	MT+LT	66,43	6,68	1 x 4MTE-10K (V.F.) + 2 x 4MTE-10K	1 x 4MTE-10K (V.F.)	1 x 2MSL-07K (V.F.) + 1 x 2MSL-07K
TSR2GJ_002ZBX	MT+LT	72,40	11,10	1 x 4MTE-10K (V.F.) + 2 x 4KTE-10K	1 x 4MTE-10K (V.F.)	1 x 2KSL-1K (V.F.) + 1 x 2KSL-1K
TSR2GJ_003ZBX	MT+LT	106,38	14,16	1 x 4JTE-15K (V.F.) + 2 x 4HTE-15K	1 x 4JTE-15K (V.F.)	1 x 2JSL-2K (V.F.) + 1 x 2JSL-2K
TSR2GJ_004ZBX	MT+LT	118,19	21,77	1 x 4HTE-20K (V.F.) + 2 x 4HTE-15K	1 x 4HTE-20K (V.F.)	1 x 2GSL-3K (V.F.) + 1 x 2GSL-3K
TSR2GJ_995YBX	MT+LT	70,00	25,00	1 x 4JTE-15K (V.F.) + 2 x 4HTE-20K	1 x 4MTE-10K (V.F.)	1 x 2FSL-4K (V.F.) + 1 x 2FSL-4K
TSR2GJ_005ZBX	MT+LT	134,08	27,82	1 x 4HTE-20K (V.F.) + 2 x 4FTC-20K	1 x 4HTE-20K (V.F.)	1 x 2FSL-4K (V.F.) + 1 x 2FSL-4K

*Calculation conditions: Tev MT -8°C, Tev LT -32°C, Tsgc +35°C.

