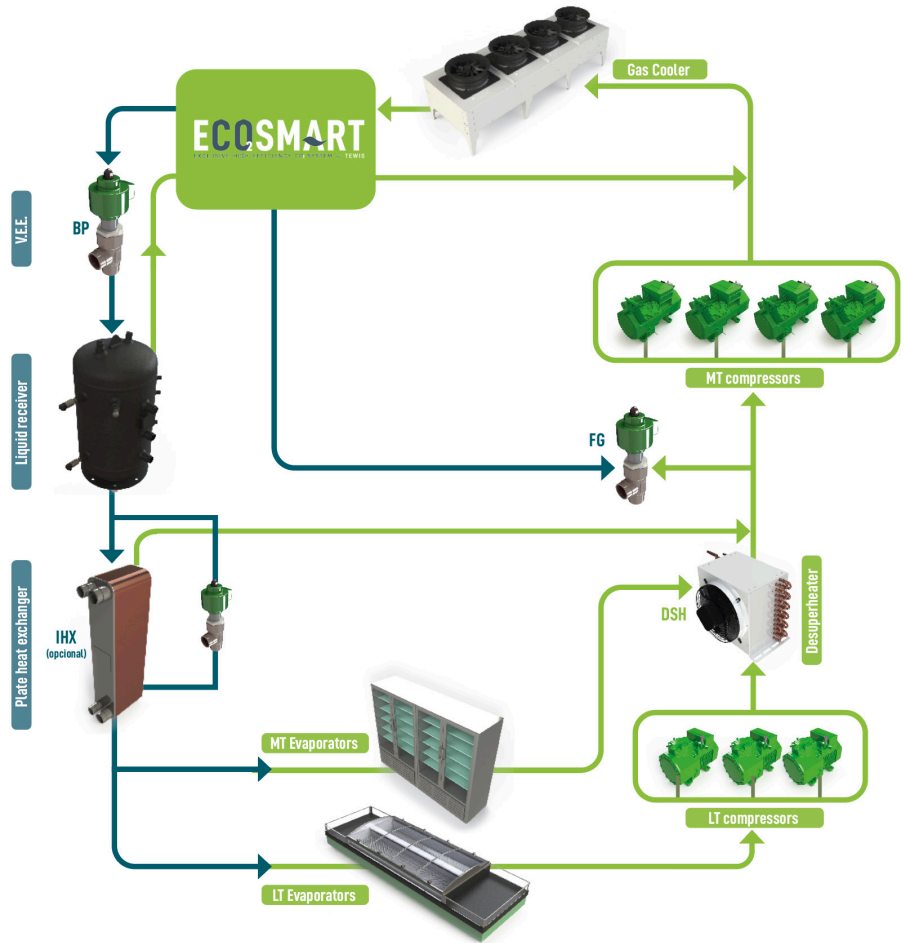


ECO2SMART

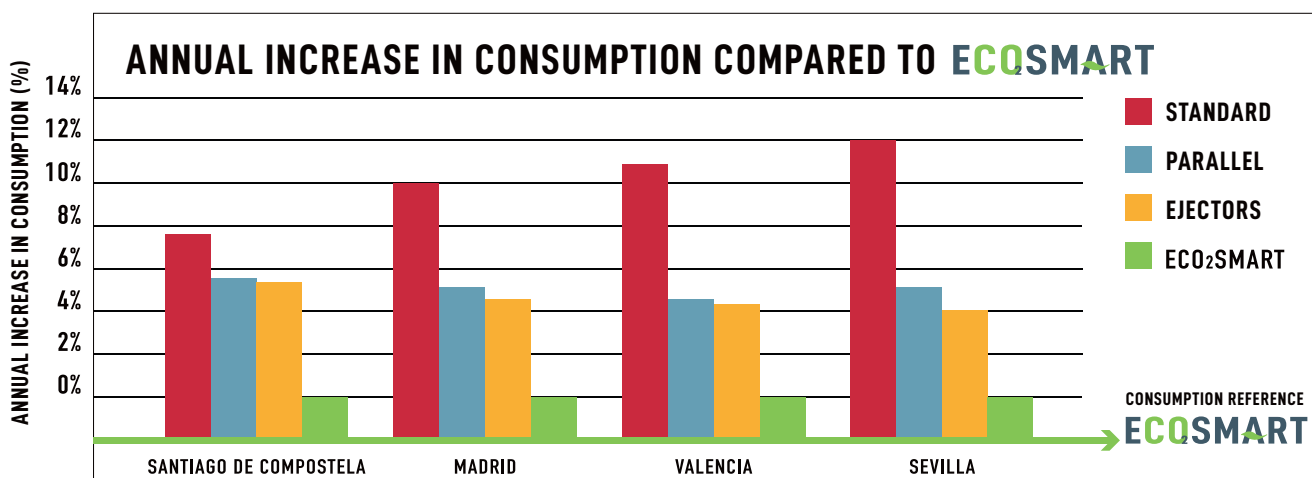
EXCLUSIVE HIGH EFFICIENCY CO₂ SYSTEM by TEWIS

INCREASES EFFICIENCY OF ANY CO₂ SYSTEM

The Tewis ECO2SMART system manages to reduce the optimal operating pressure and increases energy efficiency. To do this, it uses a dedicated compressor that replaces the parallel compressor and acts as a mechanical subcooling, adjusting its suction pressure based on the Gas Cooler outlet temperature, using only CO₂.



- ✓ WITHOUT AMBIENT TEMPERATURE LIMIT (Ambient temp. >40°C)
- ✓ INCREASE IN ENERGY EFFICIENCY IN TRANSCRITICAL SYSTEMS
- ✓ MECHANICAL SUBCOOLING, NOT ONLY FOR HIGH TEMPERATURES (since 15°C)
- ✓ MORE EFFICIENT THAN PARALLEL COMPRESSOR
- ✓ 100% CO₂



ECOSMART

- » Reduction of the volumetric displacement of the compressors.
- » Substitute for the parallel compressor.
- » Alternative security mode that acts as a parallel compressor if necessary.
- » Energy improvement for high and low temperatures.
- » COP increase of more than 10% compared to PC.
- » Reduction of energy consumption of more than 5%.
- » Amortization of the investment in a few months.
- » 100% compatible with any control system on the market.
- » Efficiency technology available to everyone.s.

ECO2 SMART RACK FAMILY

BASE CODE	APPLIC.	CAPAC. KW MT* 70 HZ	CAPAC. KW LT* 70 HZ	MT COMPRESSORS	PARALLEL COMPR.	LT COMPRESSORS	COP	CONSUMP. SAVINGS (KW) ECO2SMART
GSR2FJT093YBX	MT	95,39	0	1x 4JTE-15K (V.F.) + 2x 4JTE-15K	1x 2KTE-7K (V.F.)	-	2,34	6,14%
GSR2FJT04YBX	MT	114,67	0	1x 4HTE-20K (V.F.) + 1x 4FTE-20K	1x 2KTE-7K (V.F.)	-	2,61	13,90%

TSR2FJT089YBX	MT+LT	81,48	6,48	1x 4HTE-20K (V.F.) + 1x 4HTE-20K	1x 2KTE-7K (V.F.)	1x 2KSL-1K	2,17	6,52%
TSR2FJT090YBX	MT+LT	68,39	12,7	1x 4JTE-15K (V.F.) + 1x 4HTE-20K	1x 2MTE-5K (V.F.)	1x 2GSL-3K	2,17	12,53%
TSR2FJT490YBX	MT+LT	62,01	14,16	1x 4JTE-15K (V.F.) + 1x 4JTE-15K	1x 2MTE-5K (V.F.)	1x 2JSL-2K (V.F.) + 1x 2JSL-2K	2,04	13,19%
TSR2FJT489YBX	MT+LT	73,76	14,16	1x 4HTE-20K (V.F.) + 1x 4HTE-20K	1x 2KTE-7K (V.F.)	1x 2JSL-2K (V.F.) + 1x 2JSL-2K	2,04	6,25%
TSR2GJT001ZBX	MT+LT	66,43	3,68	1x 4MTE-10K (V.F.) + 2x 4MTE-10K	1x 2MTE-5K (V.F.)	1x 2MSL-07K (V.F.) + 1x 2MSL-07K	2,05	13,81%
TSR2GJT002ZBX	MT+LT	72,4	11,1	1x 4MTE-10K (V.F.) + 2x 4KTE-10K	1x 2KTE-7K (V.F.)	1x 2KSL-1K (V.F.) + 1x 2KSL-1K	2,03	6,37%
TSR2GJT003ZBX	MT+LT	106,38	14,16	1x 4JTE-15K (V.F.) + 2x 4HTE-15K	1x 2KTE-7K (V.F.)	1x 2JSL-2K (V.F.) + 1x 2JSL-2K	2,23	12,41%
TSR2GJT004ZBX	MT+LT	118,19	21,77	1x 4HTE-20K (V.F.) + 2x 4HTE-15K	1x 4MTE-10K (V.F.)	1x 2GSL-3K (V.F.) + 1x 2GSL-3K	2,12	13,11%
TSR2GJ_995YBX	MT+LT	70	25	1x 4JTE-15K (V.F.) + 2x 4HTE-20K	1x 2KTE-7K (V.F.)	1x 2FSL-4K (V.F.) + 1x 2FSL-4K	1,87	4,93%
TSR2GJT005ZBX	MT+LT	134,08	27,82	1x 4HTE-20K (V.F.) + 2x 4FTE-20K	1x 4MTE-10K (V.F.)	1x 2FSL-4K (V.F.) + 1x 2FSL-4K	2,18	10,85%

ECO2 SMART DUPLEX FAMILY

BASE CODE	APPLIC.	CAPAC. KW MT* 70 HZ	CAPAC. KW LT* 70 HZ	MT COMPRESSORS	PARALLEL COMPRES.	LT COMPRESSORS	COP	SAVINGS (KW) ECO2SMART
TSD3JJ_036ZBX	MT+LT	59,53	21,77	1 x 4JTE-15K (V.F.) + 1x 4HTE-20K	1x 2MTE-5K (V.F.)	1 x 2GSL-3K (V.F.) + 1x 2GSL-3K	2,01	12,0%
TSD3KJ_037ZBX	MT+LT	89,65	30,84	1 x 4JTE-15K (V.F.) + 2x 4HTE-20K	1x 2KTE-7K (V.F.)	1 x 2GSL-3K (V.F.) + 2x 2GSL-3K	2,02	11,7%
TSD3KJ_039ZBX	MT+LT	110,54	26,4	1 x 4HTE-20K (V.F.) + 2x 4HTE-20K	1x 4MTE-10K (V.F.)	1 x 2JSL-2K (V.F.) + 2x 2GSL-3K	2,06	12,9%
TSD3KJ_042ZBX	MT+LT	125,31	14,16	1 x 4HTE-20K (V.F.) + 2x 4HTE-20K	1x 4MTE-10K (V.F.)	1 x 2JSL-2K (V.F.) + 1x 2JSL-2K	2,19	13,4%
TSD3KJ_040ZBX	MT+LT	123,13	30,6	1 x 4JTE-15K (V.F.) + 2x 4FTE-30K	1x 4MTE-10K (V.F.)	1 x 2FSL-4K (V.F.) + 1x 2ESL-4K	2,17	11,3%
TSD3KJ_044ZBX	MT+LT	129,46	24,29	1 x 4JTE-15K (V.F.) + 2x 4FTE-30K	1x 4MTE-10K (V.F.)	1 x 2GSL-3K (V.F.) + 1x 2FSL-4K	2,24	11,5%
TSD3MJ_041ZBX	MT+LT	123,82	35,88	1 x 4HTE-20K (V.F.) + 3x 4HTE-20K	1x 4MTE-10K (V.F.)	1 x 2GSL-3K (V.F.) + 2x 2FSL-4K	2,12	10,6%
TSD3KJ_045ZBX	MT+LT	129,88	30,84	1 x 4HTE-20K (V.F.) + 2x 4FTE-30K	1x 4MTE-10K (V.F.)	1 x 2GSL-3K (V.F.) + 2x 2GSL-3K	2,19	10,8%
TSD3MJ_046ZBX	MT+LT	179,88	44,96	1 x 4HTE-20K (V.F.) + 3x 4FTE-30K	1x 4KTE-12K (V.F.)	1 x 2FSL-4K (V.F.) + 2x 2ESL-4K	2,17	11,8%
TSD3MJ_047ZBX	MT+LT	188,97	35,88	1 x 4HTE-20K (V.F.) + 3x 4FTE-30K	1x 4KTE-12K (V.F.)	1 x 2GSL-3K (V.F.) + 2x 2FSL-4K	2,23	12,0%

