

ZEAS CO₂

CONDENSING UNIT FOR MEDIUM AND LOW TEMPERATURE

Perfect solution for all refrigeration and freezing applications (MT - LT) with variable load conditions and the need for high efficiency. Compact and energy-efficient unit that adapts to the needs of each project. With a Daikin BLCD swing inverter compressor with 2-stage technology, and technological advances that reduce energy losses and allow multiple combinations of cabinet, freezer and cold room.

VERSIONS: 8 HP / 10 HP / 12 HP / 15 HP
COOLING POWER: 2,5 to 32 kW
APPLICATIONS: <400 / 600 m². MT / LT

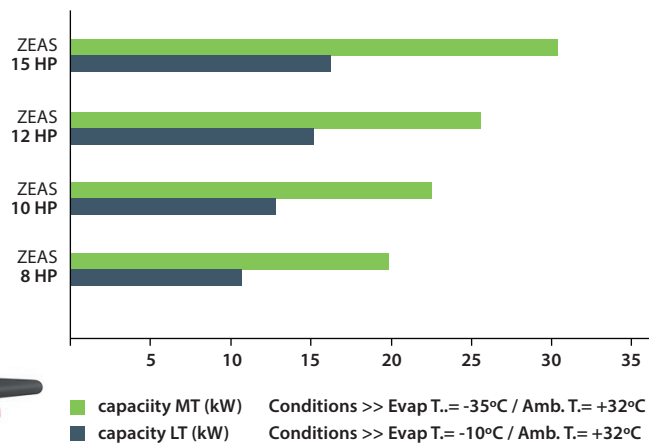
RETAIL

- » Convenience Stores
- » SMALL SUPERMARKETS
- » INDUSTRIAL PROCESSES
- » REFRIGERATED WAREHOUSES /
- » FREEZERS
- » PHARMACEUTICAL INDUSTRY

- ✓ BLDC inverter compressor with 2-stage technology
- ✓ very quiet, with various noise reduction modes
- ✓ Efficient even with low refrigerant charge
- ✓ reduces refrigeration and freezing capacity loss even in dry and extreme climates.
[Amb Temp. . -20°C a +43°C] [Evap Temp. . -40°C a +5°C]
- ✓ Several units can be installed. Possibility of indoor or outdoor installation
- ✓ Possibility of heat recovery, provides an additional energy saving of 23% on average.
- ✓ Fully equipped and factory tested, pre-programmed for quick and easy installation and commissioning.



ZEAS CO₂ CAPACITY RANGE



ZEAS CO2: PRECISE CONTROL

✓ Adapts its capacity to the shop's needs

- ZEAS CO2 has a drive for each compressor that can operate independently, so ZEAS CO2 adapts its capacity to the needs of each shop.

✓ Wide regulation range

- The Daikin BLDC Swing Inverter compressor with 2-stage operation adjusts compressor speed to actual demand, reducing consumption by up to 30%.
- The new ZEAS range has a VERY LARGE MODULATION RANGE (Capacity and RPS), which can respond to the most demanding LOAD VARIATIONS. It guarantees a very stable temperature, thus ensuring the quality of the stored goods for all applications (HT, MT or LT).



ZEAS CO2: MORE BENEFITS

Silence solution

- Quiet operation, with 2 noise level settings, including night mode, making it unobtrusive to customers and 'neighbours'
- Sound insulation on compressors.
- Fans designed to limit noise.

Functional

- "ECO" function
- Adaptable evaporating temperature to reduce energy consumption. Remote control, restart and others.

Smart Equipment

- Can be connected to a third party monitoring system and controlled remotely via a powerful interface
- Factory tested and pre-programmed.

ZEAS CO2 is the perfect solution for convenience stores: because of the refrigerant and because of its efficient and quiet operation.



ZEAS CO2						
SPECIFICATIONS		UNIT	8 HP	10 HP	12 HP	15 HP
Power supply		-	380 - 415 V. trifásica, 50 Hz			
Dimensions (Al x An x L). Base module		mm	1680 x 1930 x 765			
Dimensions (Al x An x L). Module Q-up		mm	-	-	-	1680 x 635 x 765
Capacity MT (E.T. = -10°C Amb T. = 32°C)		kW	19,8	23,1	26,3	31,7
Capacity LT (E.T. = -35°C Amb T. = 32°C)		kW	11,2	13,5	15,5	17,3
Type of technology			Two-stage with intercooler			
Number of compressors	Low Stage	-	2	2	2	2
	high stage	-	1	1	1	1
	Q-up stage	-	-	-	-	1
Fan powers	Base module	W	3 x 750 W			
	Q-up module	W	/	/	/	1 x 350 W
Seasonal Energy Efficiency Factor -10°C		SERP	3,68	3,45	3,27	3,16
Seasonal Energy Efficiency Factor -35°C		SERP	1,72	1,64	1,59	1,54
Design pressure (HP side)		Bar	120			
Design pressure (liquid line)		Bar	90			
PED Category (pressure equipment)		-	III			
Maximum pipe length	MT	m	130			
	LT	m	100			
Maximum height difference between unit and services	Unit above services	m	<35			
	Unit below services	m	<10			
Possibility to install heat recovery		-	Sí			
Evaporating temperature range		°C	From -40 to +5			
Ambient temperature range		°C	From -20 to +43			
Sound pressure level (T.E.T. = -10°C Amb.T. = 32°C)	db (A)		61	62	64	65
	@10m db (A)		41	42	44	45
Low noise mode		-	3	3	3	3
Refrigerant gas			R744			
Factory gas charge			No			

