

# IQ 850 SPLIT CO<sub>2</sub>

## MODULAR GRANULAR ICE MACHINE SPLIT

THREE PHASE  
400 V / 50 Hz



### FEATURES CARACTERÍSTICAS

- ▶ **PRODUCES WET GRANULAR ICE**  
PRODUCE HIELO GRANULAR HÚMEDO
- ▶ **THE MOST EFFICIENT EVAPORATOR OF THE MARKET, LOWER ENERGY CONSUMPTION AND HIGHER ICE PRODUCTION**  
EL EVAPORADOR MÁS EFICIENTE DEL MERCADO MENOR GASTO ENERGÉTICO, MAYOR PRODUCCIÓN DE HIELO
- ▶ **EVAPORATOR WITHOUT GASKETS OR SEALS**  
EVAPORADOR SIN JUNTAS DE ESTANQUEIDAD NI RETENES
- ▶ **STAINLESS STEEL AUGER WITH RESILIENT COATING TO MAXIMIZE LIFESPAN**  
HUSILLO DE ACERO INOXIDABLE CON POSTERIOR TRATAMIENTO SUPERFICIAL PARA AUMENTAR SU VIDA ÚTIL
- ▶ **POWERFUL SPEED REDUCER ON TOP**  
POTENTE REDUCTOR DE VELOCIDAD EN LA PARTE SUPERIOR
- ▶ **AISI 304 STAINLESS STEEL BODY**  
CARROCERÍA EN ACERO INOXIDABLE AISI 304
- ▶ **ELECTROMECHANICAL CONTROL SYSTEM**  
SISTEMA ELECTROMECHANICO DE CONTROL
- ▶ **ICE DROPS OUT THROUGH THE OPENING ON THE BOTTOM OF THE UNIT**  
EL HIELO SALE POR UNA ABERTURA EN LA PARTE INFERIOR DE LA UNIDAD
- ▶ **ON/OFF LIGHTED ROCKER SWITCH IN FRONT PANEL**  
INTERRUPTOR LUMINOSO DE FUNCIONAMIENTO ON/OFF EN EL PANEL FRONTAL
- ▶ **TO BE CONNECTED TO A REMOTE REFRIGERATION SYSTEM ALREADY EXISTENT IN THE FACILITIES**  
PARA CONECTAR A UNA PLANTA DE REFRIGERACIÓN REMOTA YA PRESENTE EN LAS INSTALACIONES
- ▶ **THE INSTALLATION OF AN ANTI-SCALE FILTER AND PERIODIC CLEANING ARE ADVISED IN AREAS WITH MEDIUM OR HIGH LIMESCALE CONTENT (HARD WATER)**  
SE ACONSEJA LA INSTALACIÓN DE UN FILTRO ANTICAL Y LIMPIEZA PERIÓDICA EN CASO DE AGUAS CON CONTENIDO EN CAL MEDIO O ALTO (AGUAS DURAS)



|                              |  |  |  |  |  |  |  |  |
|------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                              | (Kg)                                                                                | (Kg)                                                                                | (Kg)                                                                                | (Kg)                                                                                | (Kg)                                                                                | (mm)                                                                                | (mm)                                                                                  |                                                                                       |
| IQ 850 SPLIT CO <sub>2</sub> | -                                                                                   | 850                                                                                 |                                                                                     |                                                                                     |                                                                                     | Width 525<br>Depth 410<br>Height 815                                                | Width 630<br>Depth 605<br>Height 985                                                  | <b>WET GRANULAR ICE</b><br>25% RESIDUAL WATER CONTENT                                 |

### ACCESSORIES ACCESORIOS

#### INCLUDED



**WATER INLET FILTER GASKET**  
JUNTA DE FILTRO DE ENTRADA DE AGUA



**WATER INLET HOSE**  
MANGUERA DE ENTRADA DE AGUA



**WATER OUTLET HOSE**  
MANGUERA DE DESAGÜE

#### NOT INCLUDED (OPTIONAL)



**LARGE SCOOP**  
PALA GRANDE



**ICE DELIVERY CHUTE**  
TUBO CAÍDA DE HIELO



**DISPERSION CONE**  
CONO DE DISPERSIÓN



**ANTI-LIMESCALE FILTER**  
FILTRO ANTICAL



**PARTICLE FILTER**  
FILTRO ANTIPARTÍCULAS



**EXTERNAL STOP FULL BIN PHOTO CELL**  
SENSOR DE PARO EXTERNO POR LLENADO

### RECOMMENDED BINS DEPÓSITOS RECOMENDADOS



S220 + IQ 850

S350 + 1/2 IQ 850

S400 x 1/2 IQ 850

S500 + 1/2 IQ 850

SCS150 + IQ 850

SCS300 + IQ 850

SCD400 + IQ 850

SCD600 + IQ 850

SCD800 + 1/2 IQ 850

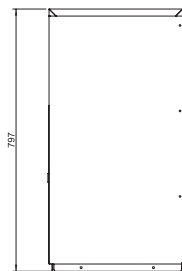
# TECHNICAL SCHEME ESQUEMA TÉCNICO

IQ 850 SPLIT CO<sub>2</sub>

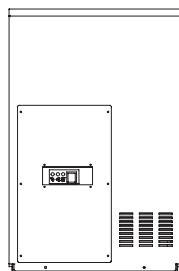


AXIAL SYSTEM

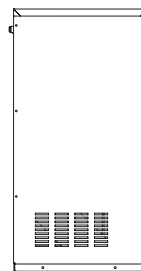
RIGHT SIDE VIEW  
VISTA LATERAL DERECHA



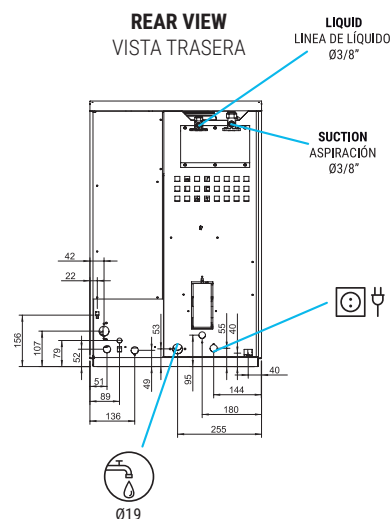
FRONTAL VIEW  
VISTA FRONTAL



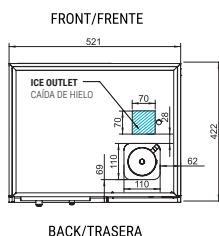
LEFT SIDE VIEW  
VISTA LATERAL IZQUIERDA



REAR VIEW  
VISTA TRASERA



CENTRAL CROSS SECTION  
VIEW OF THE BASE  
VISTA DE LA BASE DESDE  
SECCIÓN CENTRAL



\* All measurements in mm.  
\* Todas las cotas en mm.

## OPERATING CONDITIONS CONDICIONES DE OPERACIÓN

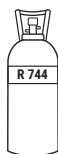
PRODUCTION 50Hz PRODUCCIÓN 50 Hz

±10% V

10°C/43°C

5°C/38°C

1 bar/6 bar



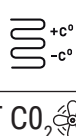
| V   | Hz | ph |
|-----|----|----|
| 400 | 50 | 3N |



IQ 850 SPLIT CO<sub>2</sub>

| °C   | 10° | 15° | 21° | 30° |
|------|-----|-----|-----|-----|
| °F   | 50° | 60° | 70° | 86° |
| 10°  | -   | -   | -   | -   |
| 50°  | -   | -   | -   | -   |
| 21°  | -   | 850 | -   | -   |
| 68°  | -   | -   | -   | -   |
| 32°  | -   | -   | -   | -   |
| 90°  | -   | -   | -   | -   |
| 43°  | -   | -   | -   | -   |
| 109° | -   | -   | -   | -   |

MODELS  
MODELOS



Temp. Ev.  
(°C)

ASHRAE CONDITIONS  
CONDICIONES ASHRAE

(W) 43°C

(n.) (mm<sup>2</sup>)

FUSE

100 Kg  
(Kwh)

(l/h)

HEAT REJECTED  
(W) (BTU/h)

(Kg)

(Kg)

(m<sup>3</sup>)

|                              |      |       |        |     |   |     |    |   |       |   |   |    |    |      |
|------------------------------|------|-------|--------|-----|---|-----|----|---|-------|---|---|----|----|------|
| IQ 850 SPLIT CO <sub>2</sub> | -24° | 3.400 | 11.600 | 600 | 5 | 1,5 | 10 | - | 35,80 | - | - | 88 | 91 | 0,38 |
|------------------------------|------|-------|--------|-----|---|-----|----|---|-------|---|---|----|----|------|

\* WHEN INDICATED COOL REQUIREMENT IS SUPPLIED / CUANDO SE SUMINISTRA LA POTENCIA FRIGORÍFICA REQUERIDA

ITV ICE makers

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TECHNICAL ASSISTANCE  
ITV ICE makers SERVICE

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8:00AM | 7:00PM

2 YEARS  
WARRANTY

Subject to certain limitations  
and exclusions. Only spare parts.  
Sujeto a limitaciones y exclusiones.  
Solo piezas de repuesto.

ISO  
9000  
9001  
14000

CE

f-gas

RoHS

tecno CERT