

# SCALA 30000 SPLIT

230 V / 50-60 Hz

## MODULAR FLAKE ICE MACHINE SPLIT

### FEATURES CARACTERÍSTICAS

- ▶ **PRODUCES COLD AND DRY FLAT FLAKES. FLAKE THICKNESS MAY BE ADJUSTED BETWEEN 1.5 mm AND 3 mm**  
PRODUCE ESCAMAS PLANAS MUY FRÍAS Y SECAS. EL ESPESOR PUEDE REGULARSE ENTRE 1.5 Y 3 mm
- ▶ **BASED ON A STATIC CYLINDER WHICH IS FREE FROM SWIVEL JOINTS (HELICAL REAMER) COUPLED WITH A MILLING TOOL THAT DETACHES THE ICE WITHOUT ANY STRAINED OR FORCED MOVEMENTS**  
FUNCIONAMIENTO BASADO EN UN CILINDRO ESTÁTICO SIN JUNTAS GIRATORIAS (HELICAL REAMER) Y CON UNA FRESA QUE DESPEGA EL HIELO SIN TENSIONES NI ESFUERZOS
- ▶ **THE MOST EFFICIENT EVAPORATOR OF THE MARKET, LESS ENERGY CONSUMPTION AND HIGHER ICE PRODUCTION**  
EL EVAPORADOR MAS EFICIENTE DEL MERCADO, MENOR GASTO ENERGÉTICO, MAYOR PRODUCCIÓN DE HIELO
- ▶ **THERMOSTATIC EXPANSION VALVE / LIQUID SOLENOID VALVE / STOP WHEN FULL BIN STOP WITH PHOTOELECTRICAL SENSOR**  
VÁLVULA DE EXPANSIÓN TERMOSTÁTICA / VÁLVULA SOLENOIDE DE LÍQUIDO / PARO POR LLENADO DE CUBA CON CÉLULA FOTOELÉCTRICA
- ▶ **ELECTRONIC STOP SYSTEM / ELECTRICAL CONTROL PANEL / DRIVE DIRECT GEAR MOTOR / MAGNETIC DRIVE PUMP / LOW WATER SAFETY DEVICE**  
SISTEMA DE PARO ELECTRÓNICO / CUADRO ELÉCTRICO DE REGULACIÓN / MOTORREDUCTOR DE ATAQUE DIRECTO / BOMBA DE ARRASTRE MAGNÉTICO / SEGURIDAD ANTE FALTA DE AGUA
- ▶ **STAINLESS STEEL SOLEPLATE**  
BANCADA DE ACERO INOXIDABLE
- ▶ **CONTROLLERS TO DETECT: LOW WATER LEVEL, TEMPERATURE RISE DUE TO MOTOR OVERLOAD OR FULL VAT**  
CONTROLES PARA DETECTAR: FALTA DE NIVEL DE AGUA, AUMENTO DE TEMPERATURA POR SOBRESFUERZO EN EL MOTORREDUCTOR O POR LLENADO DE ALMACÉN



|                                                                                                       |  |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                                                                                                       | (Kg)                                                                                | (Kg)                                                                                | (Kg)                                                                                | (mm)                                                                                | (mm)                                                                                  |                                                                                       |
| SCALA 30000 SPLIT  | 33.000                                                                              | 30.000                                                                              |                                                                                     | Width 1.800<br>Depth 2.700<br>Height 2.600                                          | Width<br>Depth<br>Height                                                              | <b>FLAKE ICE</b><br>-7°C Ice Temperature                                              |

### ACCESSORIES ACCESORIOS

OPTIONAL (NOT INCLUDED)



**SALT DOSING PUMP WITH TANK**  
BOMBA DOSIFICADORA DE SAL CON DEPÓSITO



**REMOTE SWITCH**  
INTERRUPTOR REMOTO



**REMOTE SWITCH & WEEKLY PROGRAMMER**  
INTERRUPTOR REMOTO CON PROGRAMADOR SEMANAL



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

### RECOMMENDED BINS DEPÓSITOS RECOMENDADOS



SS422 + SCALA 30000 SPLIT



SS523 + SCALA 20000 SPLIT



SS732 + SCALA 30000 SPLIT



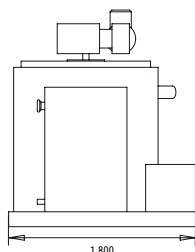
SS1033 + SCALA 20000 SPLIT

# TECHNICAL SCHEME ESQUEMA TÉCNICO

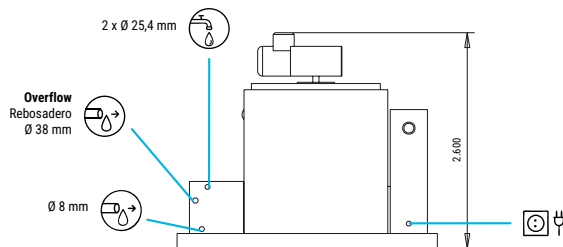
SCALA 30000 SPLIT



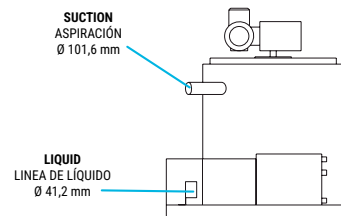
**RIGHT SIDE VIEW**  
VISTA LATERAL DERECHA



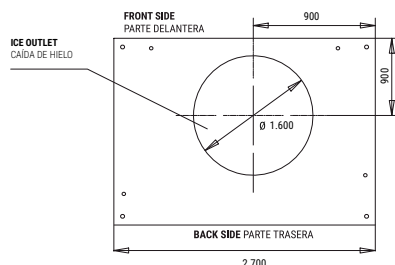
**FRONTAL VIEW**  
VISTA FRONTAL



**LEFT SIDE VIEW**  
VISTA LATERAL IZQUIERDA



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

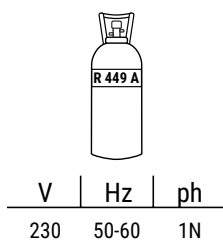


\* All measurements in mm.  
\* Todas las cotas en mm.

## OPERATING CONDITIONS CONDICIONES DE TRABAJO

PRODUCTION 50-60Hz PRODUCCIÓN 50-60 Hz

±10% V  
10°C/43°C  
5°C/38°C  
1 bar/6 bar



SCALA 30000 SPLIT

| °C   | 10°   | 15°   | 21°   | 30°   |
|------|-------|-------|-------|-------|
| °F   | 50°   | 60°   | 70°   | 86°   |
| 10°  | 33000 | 31200 | 27000 | 24500 |
| 50°  |       |       |       |       |
| 21°  | 32700 | 30000 | 26000 | 23500 |
| 68°  |       |       |       |       |
| 32°  | 31000 | 28500 | 24000 | 21500 |
| 90°  |       |       |       |       |
| 43°  | 26000 | 23600 | 19500 | 18000 |
| 109° |       |       |       |       |

SCALA 30000 SPLIT

| °C   | 10°   | 15°   | 21°   | 30°   |
|------|-------|-------|-------|-------|
| °F   | 50°   | 60°   | 70°   | 86°   |
| 10°  | 30690 | 29016 | 25110 | 22785 |
| 50°  |       |       |       |       |
| 21°  | 30411 | 27900 | 24180 | 21855 |
| 68°  |       |       |       |       |
| 32°  | 28830 | 26505 | 22320 | 19995 |
| 90°  |       |       |       |       |
| 43°  | 24180 | 21948 | 18135 | 16740 |
| 109° |       |       |       |       |

## MODELS MODELOS

| SCALA 30000 S | Temp.EV. (°C) | COOLING REQUIREMENT (W) (BTU/h) | (W) 43°C | (n.) (mm²) | FUSE | 100 Kg (Kw/h) | (l/h) | HEAT REJECTED (W) (BTU/h) | (Kg) | (Kg) | (m³)  |
|---------------|---------------|---------------------------------|----------|------------|------|---------------|-------|---------------------------|------|------|-------|
|               | -28           | 165.000 563.003                 | 1.000    | 3          | 1,5  | 16            | -*    | 1.250                     | -    | -    | 4.000 |

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



ITV ICE MAKERS, S.L.  
POL. IND. SECTOR 13, AVDA. DELS HOSTALERS, 2  
46394 RIBARROJA DE TURIA, VALENCIA, SPAIN  
PHONE: +34 96 166 75 75 | FAX: +34 96 166 81 00  
info@itv.es | www.itv.es



SERVICE  
SERVICIO ASISTENCIA TÉCNICA  
service@itv.es  
Skype: ITV.Service  
+34 961 667 639  
8:00AM | 7:00PM



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

