## Equipo

Modelo:

URC040V-L262816A23BTR/FC431WS

Dim.(HxLxA) [mm]: 1934x2325x697

Peso [Kg]: 410

## Condiciones Nominales

Caudal IMP [m³/h]: 4000

ΔP disponible IMP [Pa]: 780

Caudal EXR [m³/h]: 4000

ΔP disponible EXR [Pa]: 960

SFP IMP [W/m³/s]: 506

SFP EXR [W/m³/s]: 507

ErP 2018 Ready




## Condiciones Operación

Caudal IMP [m³/h]: 3105

ΔP disponible IMP [Pa]: 300

Caudal EXR [m³/h]: 3536

ΔP disponible EXR [Pa]: 300

SFP IMP [W/m³/s]: 321.6

SFP EXR [W/m³/s]: 338.3

ErP 2018 Ready

## Recuperador

Modelo: CA2-53-1490

| | INVIERNO | | VERANO | |
|---|---|---|---|---|
| | Impulsión | Extracción | Impulsión | Extracción |
| Caudal [m³/h]: | 3105 | 3536 | 3105 | 3536 |
| Tª in [ºC]: | 1 | 22 | 36 | 24 |
| Tª out [ºC]: | 19.5 | 12.6 | 26.2 | 33.8 |
| Hr in [%]: | 80 | 50 | 31 | 50 |
| Hr out [%]: | 23.2 | 81.3 | 54.1 | 28.6 |
| Condensación [l/h]: | 0 | -3.8 | 0 | 0 |
| Velocidad [m/s]: | 1.7 | 2 | 1.7 | 2 |
| ΔP [Pa]: | 95.5 | 131.6 | 115.5 | 132.9 |
| P recuperada [kW]: | 22.1 | -22.1 | -10.2 | 10.2 |
| η Seco [%]: | 81.4 | 73.2 | 81.5 | 81.5 |
| η Húmedo [%]: | 88.1 | 55.3 | 81.5 | 81.5 |

**EN308**

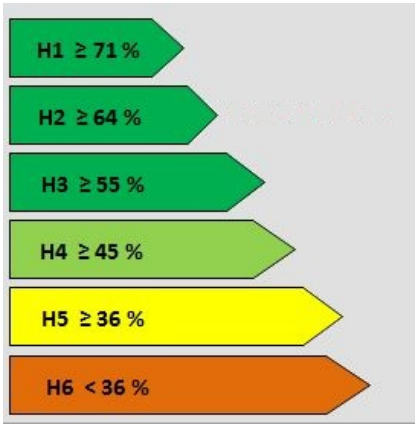
η [%]: 81.5

Precuperada [kW]: 17

**EN13053**

EN Class: H1

η EN13053 [%]: 75



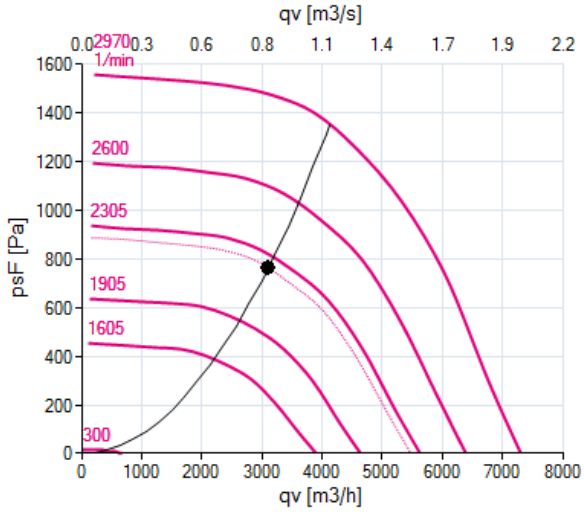

## Filtros

| | FILTRO I IMP | FILTRO II IMP | FILTRO I EXR |
|---|---|---|---|
| Clase: | ePM10 70% | ePM1 70% | ePM10 70% |
| Tamaño [mm]: | 492 x 879 | 492 x 879 | 492 x 879 |
| Superficie [m²]: | 0.43 | 0.43 | 0.43 |
| V frontal [m/s]: | 2 | 2 | 2.3 |
| ΔP inicial [Pa]: | 69.3 | 104.2 | 79.6 |
| ΔP final [Pa]: | 200 | 300 | 200 |

# Ventiladores

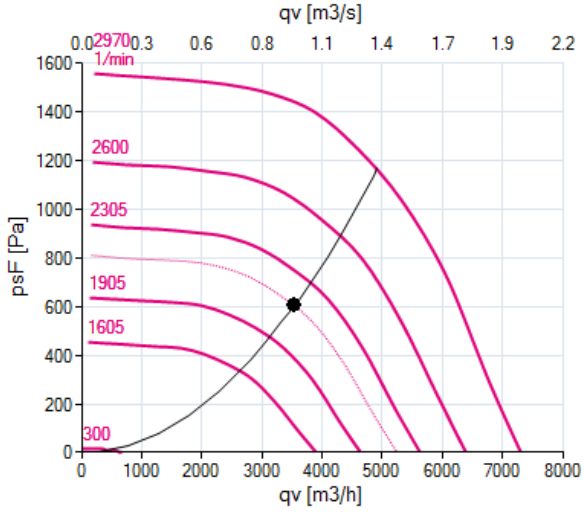
**IMPULSIÓN**

| | |
|---|---|
| Modelo: | GR35C-ZID.DC.CR - 116171/A01 |
| Caudal [m³/h]: | 3105 |
| ΔP disponible [Pa]: | 300 |
| ΔP estática [Pa]: | 764.4 |
| ΔP dinámica [Pa]: | 30 |
| ΔP total [Pa]: | 794.6 |
| Rendimiento [%]: | 62.8 |
| P Consumida [W]: | 1050.2 |
| Revoluciones [rpm]: | 2240.6 |
| Motor: | ECBLUE |
| P nominal [W]: | 2500 |
| Alimentación: | 3~ 400V 50Hz |




**EXTRACCIÓN**

| | |
|---|---|
| Modelo: | GR35C-ZID.DC.CR - 116171/A01 |
| Caudal [m³/h]: | 3536 |
| ΔP disponible [Pa]: | 300 |
| ΔP estática [Pa]: | 603.4 |
| ΔP dinámica [Pa]: | 39 |
| ΔP total [Pa]: | 642.5 |
| Rendimiento [%]: | 63 |
| P Consumida [W]: | 940.4 |
| Revoluciones [rpm]: | 2144 |
| Motor: | ECBLUE |
| P nominal [W]: | 2500 |
| Alimentación: | 3~ 400V 50Hz |



# Baterias

## Calor

| AIRE | | | | AGUA | |
|---|---|---|---|---|---|
| Caudal [m³/h]: | 3105 | Potencia [kW]: | 13 | Caudal [l/s]: | 0.6 |
| Tªin [ºC]: | 19.5 | Factor Qsens: | 0 | Velocidad [m/s]: | 1 |
| Tªout [ºC]: | 31.9 | ΔP [Pa]: | 22.8 | ΔP [kPa]: | 25.8 |
| Hr in [%]: | 23.2 | Velocidad [m/s]: | 2 | Tªin [ºC]: | 45 |
| Hr out [%]: | 11.1 | Condensación [g/s]: | 0 | Tªou [ºC]: | 40 |

**CARACTERÍSTICAS CONSTRUCTIVAS**

| | | | |
|---|---|---|---|
| Longitud [mm]: | 526 | Material Aletas: | Aluminio |
| Altura [mm]: | 825 | Espesor Aletas [mm]: | 0.1 |
| Material Tubos: | Cobre | Paso Aletas [mm]: | 2.1 |
| Ø Tubos [mm]: | 9.52 | Material Colector: | Hierro |
| Nº Filas: | 2 | Ø Colector ['']: | 3/4 |
| Nº Circuitos: | 9 | Peso [kg]: | 13.7 |

## Frio

| AIRE | | | | AGUA | |
|---|---|---|---|---|---|
| Caudal [m³/h]: | 3105 | Potencia [kW]: | 10.1 | Caudal [l/s]: | 0.5 |
| Tªin [ºC]: | 26.2 | Factor Qsens: | 0.7 | Velocidad [m/s]: | 0.8 |
| Tªout [ºC]: | 19.6 | P [Pa]: | 29.9 | P [kPa]: | 18.8 |
| Hr in [%]: | 54.1 | Velocidad [m/s]: | 2 | Tªin [ºC]: | 7 |
| Hr out [%]: | 72.8 | Condensación [g/s]: | 1.2 | Tªou [ºC]: | 12 |

**CARACTERÍSTICAS CONSTRUCTIVAS**

| | | | |
|---|---|---|---|
| Longitud [mm]: | 526 | Material Aletas: | Aluminio |
| Altura [mm]: | 825 | Espesor Aletas [mm]: | 0.1 |
| Material Tubos: | Cobre | Paso Aletas [mm]: | 2.1 |
| Ø Tubos [mm]: | 9.52 | Material Colector: | Hierro |
| Nº Filas: | 2 | Ø Colector ['']: | 3/4 |
| Nº Circuitos: | 9 | Peso [kg]: | 13.7 |