

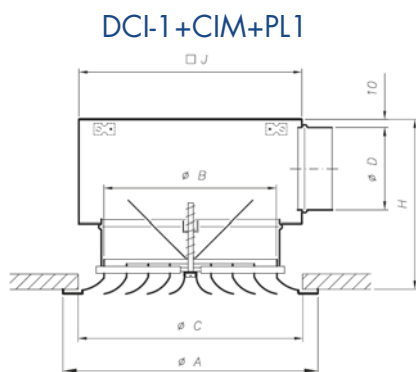
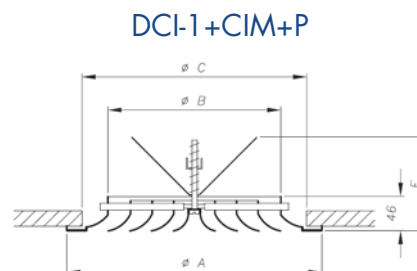
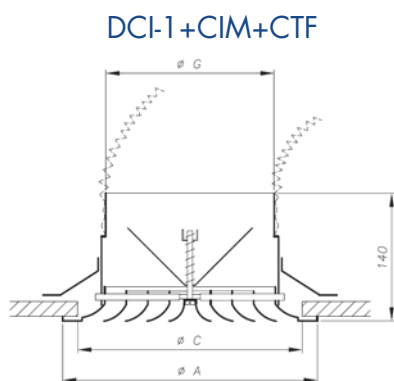
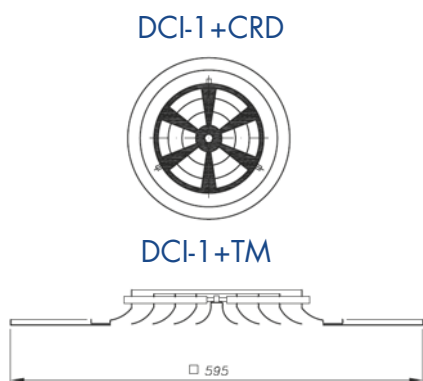
# SERIE DCI



Difusor circular de conos múltiples.  
Fabricado en aluminio.  
Comodidad y rapidez de montaje.  
Adecuado para ventilación y refrigeración.  
Adaptación a techo modular.

Circular diffuser with fixed cones.  
Made of aluminium.  
Easy and fast mounting.  
Suitable for cooling and ventilating.  
Adaptation to modular ceilings.

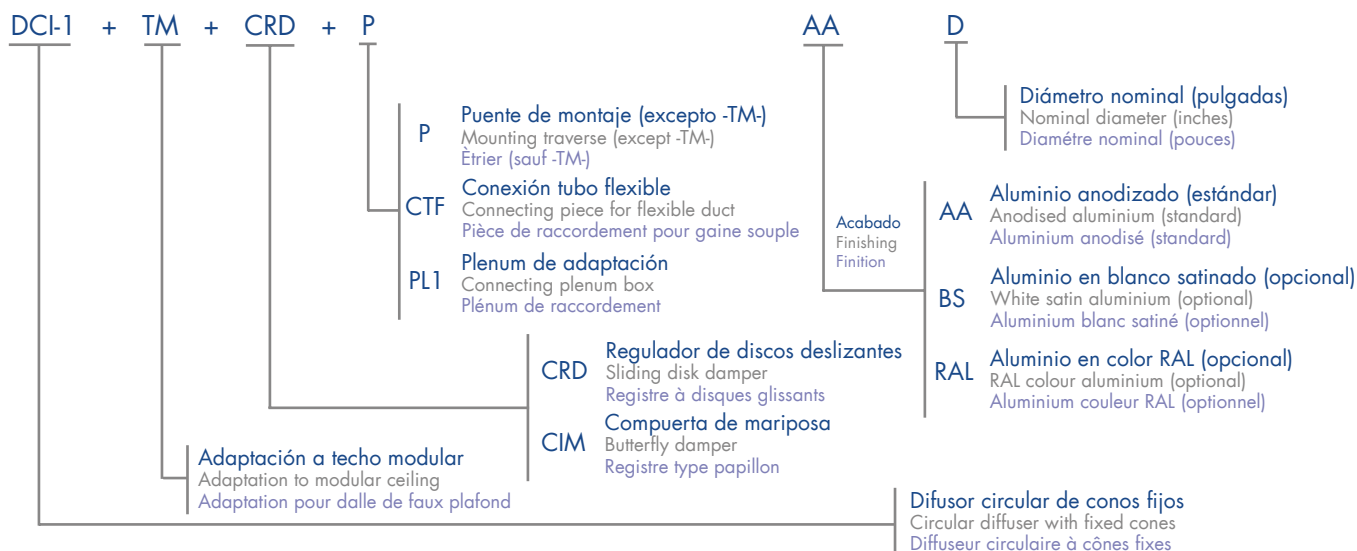
Diffuseur circulaire à cônes fixes.  
Fabriqué en aluminium.  
Fixation et raccordement simple et rapide.  
Pour ventilation et refrigeration.  
Adaptation pour dalle de faux plafond.



| Nominal | øA   | øB   | øC   | øD   | E   | øG   | H   | □J   |
|---------|------|------|------|------|-----|------|-----|------|
| 6"      | ø245 | ø150 | ø210 | ø148 | 115 | ø145 | 289 | □210 |
| 8"      | ø295 | ø200 | ø260 | ø198 | 140 | ø195 | 339 | □260 |
| 10"     | ø342 | ø250 | ø310 | ø198 | 165 | ø245 | 339 | □310 |
| 12"     | ø395 | ø300 | ø360 | ø248 | 190 | ø295 | 389 | □360 |
| 14"     | ø445 | ø350 | ø410 | ø248 | 215 | ø345 | 389 | □410 |

## IDENTIFICACIÓN

IDENTIFICATION IDENTIFICATION



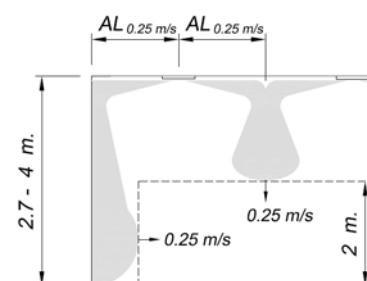
# TABLA DE SELECCIÓN

## SELECTION TABLE    TABLEAU DE SÉLECTION

| Nominal    |                    | 6"         | 8"         | 10"        | 12"        | 14"        |
|------------|--------------------|------------|------------|------------|------------|------------|
| Q          | Ak                 | 0,009 m²   | 0,014 m²   | 0,020 m²   | 0,028 m²   | 0,036 m²   |
| 100 m³/h   | Vk                 | 3,2 m/s    |            |            |            |            |
|            | ΔP                 | 4 Pa       |            |            |            |            |
|            | LwA                | < 20 dB(A) |            |            |            |            |
|            | Al <sub>0,25</sub> | 0,7 m      |            |            |            |            |
| 150 m³/h   | Vk                 | 4,8 m/s    | 3,0 m/s    |            |            |            |
|            | ΔP                 | 9 Pa       | 4 Pa       |            |            |            |
|            | LwA                | < 20 dB(A) | < 20 dB(A) |            |            |            |
|            | Al <sub>0,25</sub> | 1,1 m      | 0,9 m      |            |            |            |
| 200 m³/h   | Vk                 | 6,4 m/s    | 4,0 m/s    | 2,8 m/s    |            |            |
|            | ΔP                 | 16 Pa      | 6 Pa       | 3 Pa       |            |            |
|            | LwA                | 29 dB(A)   | < 20 dB(A) | < 20 dB(A) |            |            |
|            | Al <sub>0,25</sub> | 1,5 m      | 1,2 m      | 1,0 m      |            |            |
| 300 m³/h   | Vk                 | 9,6 m/s    | 6,0 m/s    | 4,1 m/s    | 3,0 m/s    |            |
|            | ΔP                 | 37 Pa      | 15 Pa      | 7 Pa       | 4 Pa       |            |
|            | LwA                | 43 dB(A)   | 29 dB(A)   | < 20 dB(A) | < 20 dB(A) |            |
|            | Al <sub>0,25</sub> | 2,2 m      | 1,8 m      | 1,5 m      | 1,3 m      |            |
| 400 m³/h   | Vk                 | 12,8 m/s   | 8,0 m/s    | 5,5 m/s    | 4,0 m/s    |            |
|            | ΔP                 | 65 Pa      | 26 Pa      | 12 Pa      | 6 Pa       |            |
|            | LwA                | 53 dB(A)   | 39 dB(A)   | 27 dB(A)   | < 20 dB(A) |            |
|            | Al <sub>0,25</sub> | 3,0 m      | 2,4 m      | 2,0 m      | 1,7 m      |            |
| 500 m³/h   | Vk                 |            | 10,0 m/s   | 6,9 m/s    | 5,0 m/s    | 3,8 m/s    |
|            | ΔP                 |            | 40 Pa      | 19 Pa      | 10 Pa      | 6 Pa       |
|            | LwA                |            | 47 dB(A)   | 35 dB(A)   | 25 dB(A)   | < 20 dB(A) |
|            | Al <sub>0,25</sub> |            | 3,0 m      | 2,4 m      | 2,1 m      | 1,8 m      |
| 600 m³/h   | Vk                 |            |            | 8,3 m/s    | 6,0 m/s    | 4,6 m/s    |
|            | ΔP                 |            |            | 27 Pa      | 14 Pa      | 8 Pa       |
|            | LwA                |            |            | 41 dB(A)   | 32 dB(A)   | 23 dB(A)   |
|            | Al <sub>0,25</sub> |            |            | 2,9 m      | 2,5 m      | 2,2 m      |
| 700 m³/h   | Vk                 |            |            | 9,6 m/s    | 7,0 m/s    | 5,3 m/s    |
|            | ΔP                 |            |            | 37 Pa      | 20 Pa      | 11 Pa      |
|            | LwA                |            |            | 47 dB(A)   | 37 dB(A)   | 29 dB(A)   |
|            | Al <sub>0,25</sub> |            |            | 3,4 m      | 2,9 m      | 2,5 m      |
| 800 m³/h   | Vk                 |            |            |            | 8,0 m/s    | 6,1 m/s    |
|            | ΔP                 |            |            |            | 26 Pa      | 15 Pa      |
|            | LwA                |            |            |            | 42 dB(A)   | 33 dB(A)   |
|            | Al <sub>0,25</sub> |            |            |            | 3,3 m      | 2,9 m      |
| 900 m³/h   | Vk                 |            |            |            | 9,0 m/s    | 6,9 m/s    |
|            | ΔP                 |            |            |            | 33 Pa      | 19 Pa      |
|            | LwA                |            |            |            | 46 dB(A)   | 38 dB(A)   |
|            | Al <sub>0,25</sub> |            |            |            | 3,8 m      | 3,3 m      |
| 1.000 m³/h | Vk                 |            |            |            |            | 7,6 m/s    |
|            | ΔP                 |            |            |            |            | 23 Pa      |
|            | LwA                |            |            |            |            | 41 dB(A)   |
|            | Al <sub>0,25</sub> |            |            |            |            | 3,6 m      |

|             |
|-------------|
| < 25 dB(A)  |
| 25/35 dB(A) |
| 35/45 dB(A) |
| >45 dB(A)   |

|                          |                                              |                                           |                                            |
|--------------------------|----------------------------------------------|-------------------------------------------|--------------------------------------------|
| <b>Q</b>                 | Caudal (m³/h)                                | Airflow (m³/h)                            | Débit (m³/h)                               |
| <b>ΔP</b>                | Pérdida de presión (Pa)                      | Pressure loss (Pa)                        | Perte de charge (Pa)                       |
| <b>L<sub>w</sub>(A)</b>  | Potencia sonora (dB(A))                      | Sound power level (dB(A))                 | Puissance sonore (dB(A))                   |
| <b>V<sub>k</sub></b>     | Velocidad efectiva (m/sg)                    | Effective velocity (m/sg)                 | Vitesse effective (m/sg)                   |
| <b>A<sub>k</sub></b>     | Área efectiva (m²)                           | Effective area (m²)                       | Aire effective (m²)                        |
| <b>Al<sub>0,25</sub></b> | Alcance para velocidad max.<br>de 0.25(m/sg) | Throw for max. velocity<br>of 0.25 (m/sg) | Portée pour vitesse max.<br>de 0.25 (m/sg) |



La compuerta de regulación modifica la pérdida de carga y la potencia sonora del difusor según los factores que se detallan en la siguiente tabla:

The opposited blades damper modifies the pressure loss and the sound power level of the diffuser according to the factor that are detailed in the following table:

Le registre modifie la perte de charge et la puissance sonore de l'unité suivant les facteurs qui apparaissent ci dessous:

|                                                                      | FΔP   |     |     | FL <sub>w</sub> (A) (dB(A)) |      |      |
|----------------------------------------------------------------------|-------|-----|-----|-----------------------------|------|------|
| Apertura Compuerta<br>Blades damper opening<br>Ouverture de registre | 100%  | 50% | 25% | 100%                        | 50%  | 25%  |
| CIM                                                                  | x 1,2 | x 3 | x 5 | + 4                         | + 10 | + 20 |
| CRD                                                                  | x 2   | x 4 | x 8 | + 6                         | + 12 | + 25 |
| PL1 + C                                                              | x 5   | x 4 | x 5 | + 0                         | + 1  | + 3  |