

Date tehnice pentru produs: IUKNE450--

## Filtru de ieșire 252x252x38mm, IP54



### SCHRACK-Info

- Filter ventilators and exhaust filters are injection-moulded from thermoplastic material, self-extinguishing according to UL94VO, UV-resistant
- Toolless mounting with patented 4-corner-catching
- Simple exchange of filter mat thanks to patented and service-friendly hinge system
- Variable direction of air conveyance via 180° rotation of fan-motor assembly, standard as delivered is directing towards the enclosure (not possible for **IUNKF1523A**)
- Fast electrical connection via spring-type terminals
- Degree of protection: IP54 with standard filter mat, IP55 can be reached by using fluted filter mat **IUKM4x20** (not possible for **IUNKF1523A**)
- Color: RAL7035 (Light grey)

IP54

IP55

### Fișe tehnice

|                                            |                        |
|--------------------------------------------|------------------------|
| Lățime netă (mm)                           | 252,00                 |
| Înălțime (mm)                              | 252,00                 |
| Adâncime netă (mm)                         | 38,00                  |
| Masă netă (kg.)                            | 0,46                   |
| Temperatura minimă a mediului ambiant (°C) | -40                    |
| Temperatura maximă a mediului ambiant (°C) | 55                     |
| grad de protecție                          | IP54                   |
| Culoare                                    | RAL 7035 (Gri deschis) |
| Categorie produs                           | filtru ieșire          |
| Decupaj mm (mm)                            | 223x223                |
| Adâncime montaj (mm)                       | 38                     |

## Tabel de date: Filtru de ieşire 252x252x38mm, IP54

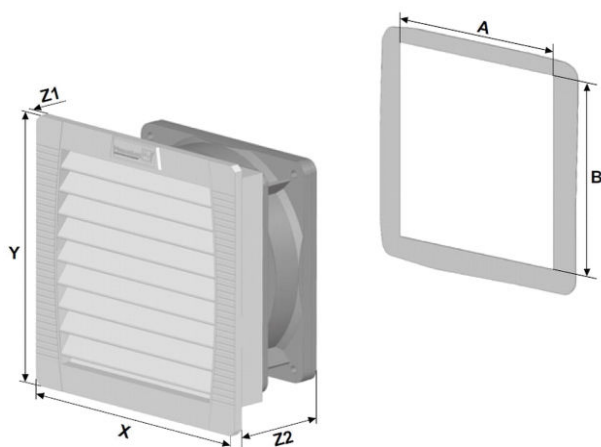
| Daten                                                       | IP    | Einheit | IUKNF                                                                  |                            |           |                   |             |             |             |             |
|-------------------------------------------------------------|-------|---------|------------------------------------------------------------------------|----------------------------|-----------|-------------------|-------------|-------------|-------------|-------------|
|                                                             |       |         | 1523A                                                                  | 2523A                      | 3523A     | 4523A             | 5523A       | 6523A       | 7523A       | 8523A       |
| Nennspannung ±10%                                           |       | V       | AC 50 / 60Hz                                                           |                            |           |                   |             |             |             |             |
|                                                             |       |         | 230                                                                    |                            |           |                   |             |             |             |             |
| Luftfördermenge freiblasend                                 | IP54  | m³/h    | 19 / 24                                                                | 61 / 70                    | 110 / 125 | 125 / 138         | 223 / 247   | 480 / 480   | 640 / 653   | 845 / 875   |
|                                                             | IP55* |         | -                                                                      | 56 / 64                    | 100 / 110 | 145 / 160         | 233 / 265   | 505 / 505   | 770 / 785   | 925 / 950   |
| Luftfördermenge in Kombination mit Austrittsfilter IUKNExxx | IP54  | m³/h    | 12 / 14                                                                | 44 / 52                    | 82 / 93   | 93 / 102          | 201 / 223   | 370 / 370   | 445 / 445   | 560 / 625   |
|                                                             | IP55* |         | -                                                                      | 40 / 46                    | 55 / 64   | 109 / 113         | 180 / 207   | 380 / 380   | 490 / 501   | 570 / 625   |
| Leistungsaufnahme                                           |       | W       | 12 / 11                                                                | 19 / 18                    |           | 18 / 17           | 45 / 39     | 80 / 100    | 120 / 160   | 140 / 197   |
| Stromaufnahme                                               |       | A       | 0,07 / 0,06                                                            | 0,12 / 0,18                |           | 0,12 / 0,10       | 0,32 / 0,26 | 0,35 / 0,45 | 0,53 / 0,72 | 0,62 / 0,86 |
| Geräuschpegel EN ISO 3741                                   |       | dB (A)  | 33 / 33                                                                | 44 / 44                    | 40 / 40   | 40 / 43           | 53          | 54 / 52     | 63 / 64     | 66 / 69     |
| Gewicht                                                     |       | kg      | 0,55                                                                   | 0,70                       | 0,87      | 1,18              | 1,67        | 3,20        |             | 3,70        |
| Anschlussart                                                |       |         | Kabel                                                                  | Klemmleiste                |           | Federreihenklemme |             |             |             |             |
| Absicherung                                                 |       | A       | 6                                                                      |                            |           |                   |             |             |             |             |
| Schutzart                                                   | IP54  |         | NEMA Typ 12 - Standard Filter                                          |                            |           |                   |             |             |             |             |
| nach EN 60529 / UL 50                                       | IP55* |         | -                                                                      | NEMA Typ 12 - Faltenfilter |           |                   |             |             |             |             |
| Abscheidegrad                                               | IP54  | %       | 88                                                                     |                            |           |                   |             | 91          |             |             |
|                                                             | IP55* |         | -                                                                      | 91                         |           |                   |             |             |             |             |
| Güteklasse der Filtermatte nach EN 779                      | IP54  |         | G 3                                                                    |                            |           |                   |             | G 4         |             |             |
|                                                             | IP55* |         | -                                                                      | G 4                        |           |                   |             |             |             |             |
| Einschaltdauer                                              |       | %       | 100                                                                    |                            |           |                   |             |             |             |             |
| Lagerart                                                    |       |         | Gleitlager                                                             |                            |           |                   | Kugellager  |             |             |             |
| Lebensdauer L10 (+40°C) <sup>1</sup>                        |       | h       | 52500                                                                  | 37500                      |           | 40000             |             |             |             |             |
| Temperaturbereich                                           |       | °C (°F) | -40 ... +55°C (-40 ... +131°F)                                         |                            |           |                   |             |             |             |             |
| Bauweise (Gehäuse und Berührungsschutz)                     | IP54  |         | aus thermoplastischem Kunststoff gespritzt, selbstverlöschend UL 94 VO |                            |           |                   |             |             |             |             |
|                                                             | IP55* |         | -                                                                      | zusätzlich: UV-beständig   |           |                   |             |             |             |             |
| Farbe                                                       |       |         | RAL 7035 (Lichtgrau)                                                   |                            |           |                   |             |             |             |             |

Angabefelder mit zwei Werten (z.B.: 19 / 24) beziehen sich auf 50 / 60Hz

\* Auf Anfrage erhältlich

<sup>1</sup> Lüfterausfall wird definiert, wenn die Strom- und Drehzahlangaben abweichen oder das Betriebsgeräusch auffällig ist

## Dimensions Filter Fans



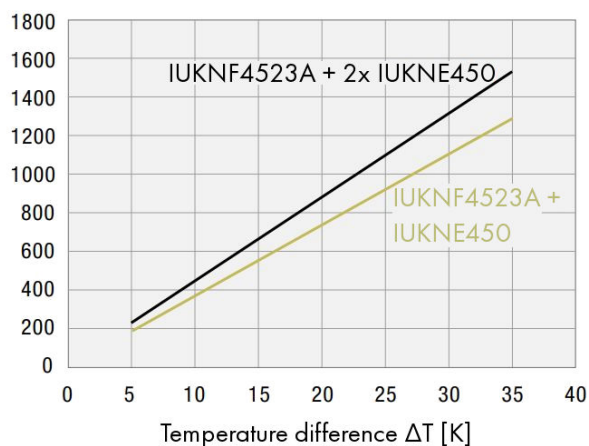
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| Artikelnummer            | X<br>[mm] | Y<br>[mm] | Z1<br>[mm] | Z2<br>[mm] | A*<br>[mm] | B*<br>[mm] |
|--------------------------|-----------|-----------|------------|------------|------------|------------|
| <b>Filtrventilatoren</b> |           |           |            |            |            |            |
| IUKNF1523A               | 109       | 109       | 4          | 62         | 92         | 92         |
| IUKNF2523A               | 145       | 145       | 5          | 70         | 125        | 125        |
| IUKNF3523A               | 202       | 202       | 6          | 87         | 177        | 177        |
| IUKNF4523A               | 252       | 252       | 6          | 97         | 223        | 223        |
| IUKNF5523A               | 252       | 252       | 6          | 113        | 223        | 223        |
| IUKNF6523A               | 320       | 320       | 7          | 150        | 292        | 292        |
| IUKNF7523A               | 320       | 320       | 7          | 150        | 292        | 292        |
| IUKNF8523A               | 320       | 320       | 7          | 150        | 292        | 292        |
| <b>Austrittsfilter</b>   |           |           |            |            |            |            |
| IUKNE150                 | 109       | 109       | 4          | 19         | 92         | 92         |
| IUKNE250                 | 145       | 145       | 5          | 26         | 125        | 125        |
| IUKNE350                 | 202       | 202       | 6          | 34         | 177        | 177        |
| IUKNE450                 | 252       | 252       | 6          | 38         | 223        | 223        |
| IUKNE550                 | 320       | 320       | 7          | 39         | 292        | 292        |

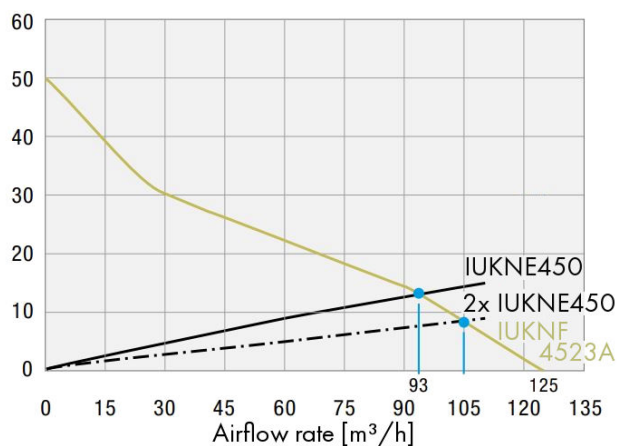
\* Für Materialdicke bis 2mm, +1 mm für Materialdicke >2mm ≤3mm

## IUKNF4523A Performance Curves: Cooling Capacity (left) and Static Pressure (right)

Cooling capacity [W]



Static Pressure [Pa]



## Tabel articole

| Descriere                                                | Cod comandă |
|----------------------------------------------------------|-------------|
| Filtru de ieșire 252x252x38mm, IP54                      | IUKNE450    |
| <b>Accesorii opționale</b>                               |             |
| Filtru de rezervă pt. ventil. 252x252mm IP54 (1Set=5buc) | IUKM4810    |
| Filtru de rezervă pt. ventil. 252x252mm IP55 (1Set=5buc) | IUKM4820    |