

Tehnički list za artikl: IUKNF4523A

# Ventilator s filterom 252x252x97mm IP54, 41W, 116m<sup>3</sup>/h



## SCHRACK info

- Ventilator i izlazni filter od lijevane termoplastike, samogasiv prema UL94VO, UV otporan
- Montaža bez alata pomoću patentiranog 4-kutnog natičnog mehanizma
- Jednostavna izmjena filtera zahvaljujući patentiranom natičnom mehanizmu
- Promjena smjera strujanja zraka postiže se okretanjem ventilatora za 180°, pri isporuci postavljen za upuhivanje zraka u ormar (kod **IUNKF1523A** promjena smjera nije moguća)
- Brzi priključak pomoću utičnih stezaljki
- Stupanj zaštite: IP54 sa standardnim filterom, IP55 ugradnjom **IUKM4x20** (kod **IUKNF1523A** to nije moguće)
- Boja: RAL7035 (svijetlo-siva)



## Tehnički podaci

|                                                    |                          |
|----------------------------------------------------|--------------------------|
| Neto širina (mm)                                   | 252,00                   |
| Neto visina (mm)                                   | 252,00                   |
| Neto dubina (mm)                                   | 97,00                    |
| Neto masa (kg)                                     | 1,18                     |
| Min. temperatura okoline (°C)                      | -40                      |
| Maks. temperatura okoline (°C)                     | 55                       |
| IP stupanj zaštite                                 | IP54                     |
| Nazivni napon                                      | 230V-AC                  |
| Boja                                               | RAL 7035 (svijetlo siva) |
| Kapacitet hlađenja sa izlaznim filterom IP54 (W/K) | 33,1                     |
| Tip                                                | Ventilator               |
| Otvor (mm)                                         | 223x223                  |
| Ugradna dubina (mm)                                | 113                      |

## Tehnički podaci - nastavak

|                                              |      |
|----------------------------------------------|------|
| Kapacitet hlađenja sa izlaznim filterom IP55 | 31,1 |
| Snaga ventilacije IP54 (m³/h)                | 156  |
| Snaga ventilacije IP55 (m³/h)                | 145  |

## Podatkovna tablica: Ventilator s filterom 252x252x97mm IP54, 41W, 116m³/h

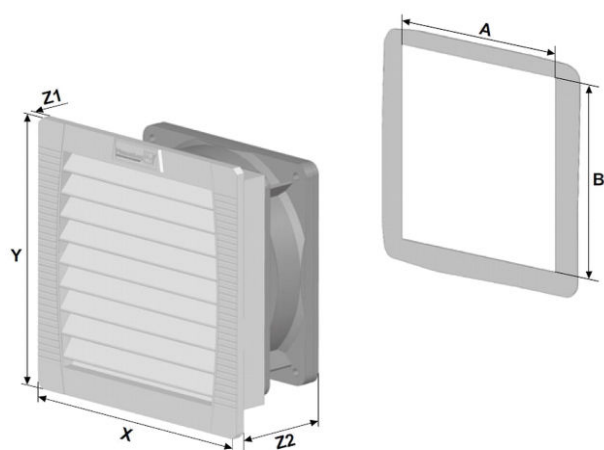
| Daten                                                          | IP    | Einheit | IUKNF                                                                  |                            |           |                   |             |             |             |             |
|----------------------------------------------------------------|-------|---------|------------------------------------------------------------------------|----------------------------|-----------|-------------------|-------------|-------------|-------------|-------------|
|                                                                |       |         | 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<br>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<br>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<br>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



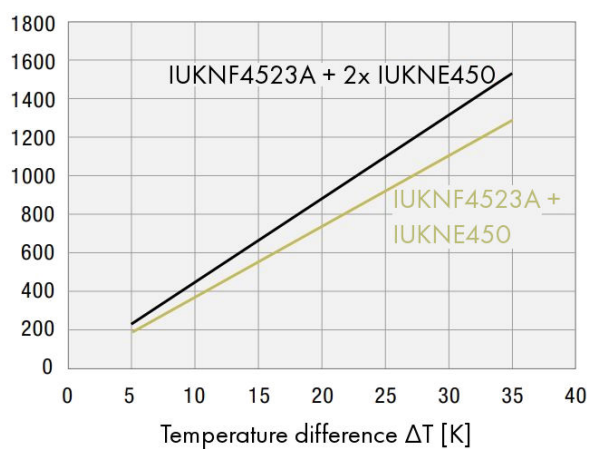
### Podatkovna tablica: Ventilator s filterom 252x252x97mm IP54, 41W, 116m<sup>3</sup>/h

| Artikelnummer             | X<br>[mm] | Y<br>[mm] | Z1<br>[mm] | Z2<br>[mm] | A*<br>[mm] | B*<br>[mm] |
|---------------------------|-----------|-----------|------------|------------|------------|------------|
| <b>Filterventilatoren</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        |

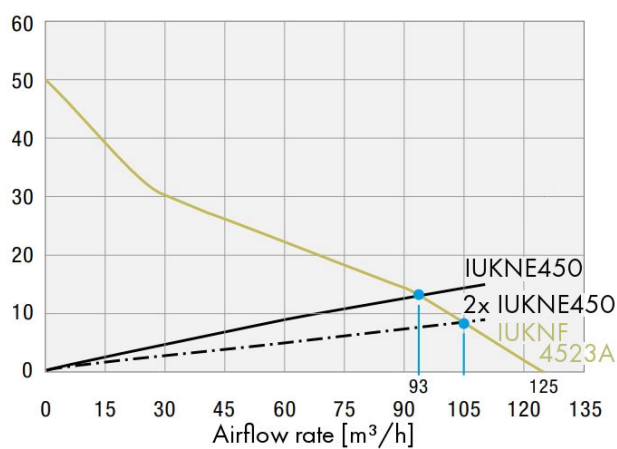
\* Für Materialdicke bis 2mm, +1 mm für Materialdicke >2mm ≤3mm

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

Cooling capacity [W]



Static Pressure [Pa]



## Tabela artikla

| OPIS                                                                                                               | KAT. BROJ  |
|--------------------------------------------------------------------------------------------------------------------|------------|
| Ventilator s filterom 252x252x97mm IP54, 41W, 116m <sup>3</sup> /h                                                 | IUKNF4523A |
| <b>Potrebni pribor</b>                                                                                             |            |
| Izlazni filter, 252x252x38mm, IP54<br>IUKNF4523A                                                                   | IUKNE450   |
| Termostat za ventilator, 1 radni kontakt, plavi                                                                    | IUK08566   |
| <b>Dodatni pribor</b>                                                                                              |            |
| Rezervni filter za ventilator 252x252mm, IP54 (pak=5 kom.)<br>for filter fans IUKNF4523A and IUKNF5523A, PU=5 pcs. | IUKM4810   |
| Rezervni filter za ventilator 252x252mm, IP55 (pak=5 kom.)<br>for filter fans IUKNF4523A and IUKNF5523A, PU=5 pcs. | IUKM4820   |