

# EF

High flow filter fan

nVent

HOFFMAN

CONNECT AND PROTECT



This vertical filter fan, EF, with a IP 54 protection degree, is easy to install thanks to its click-in feature. Unnecessary downtime is avoided, since water and dust are prevented from entering the enclosure through the filter, and the reliable fan motor will ensure constant ventilation.

**Description:** Filter fan for forced ventilation. nVent HOFFMAN filter fans save time on installation as they are installed with a click-in system without screws. The hinged front cover can be easily opened for quick and easy filter replacement. The airflow direction and the connection position can easily be changed.

**Material:** Front cover manufactured from injection-moulded thermoplastic, self-extinguishing, UL94V0.

**Temperature range:** -40 °C to +55 °C.

**Protection:** IP 54 | TYPE 12.

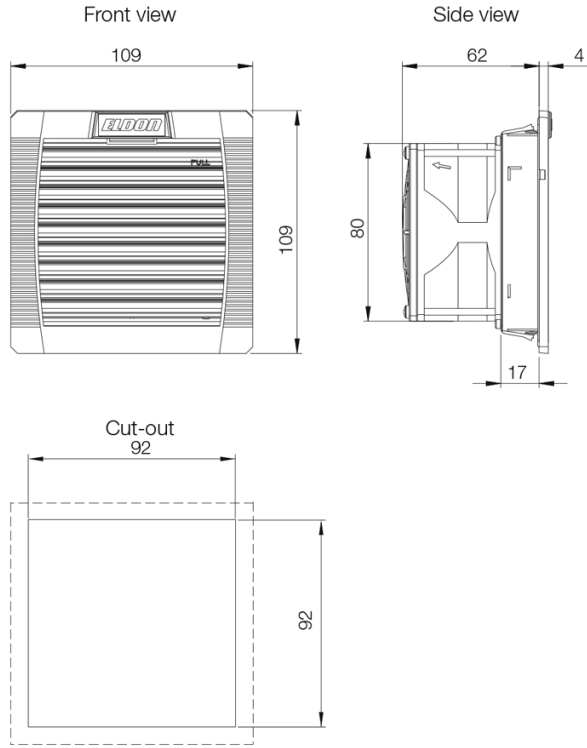
**Finish:** RAL 7035.

**Pack quantity:** One fan with filter.

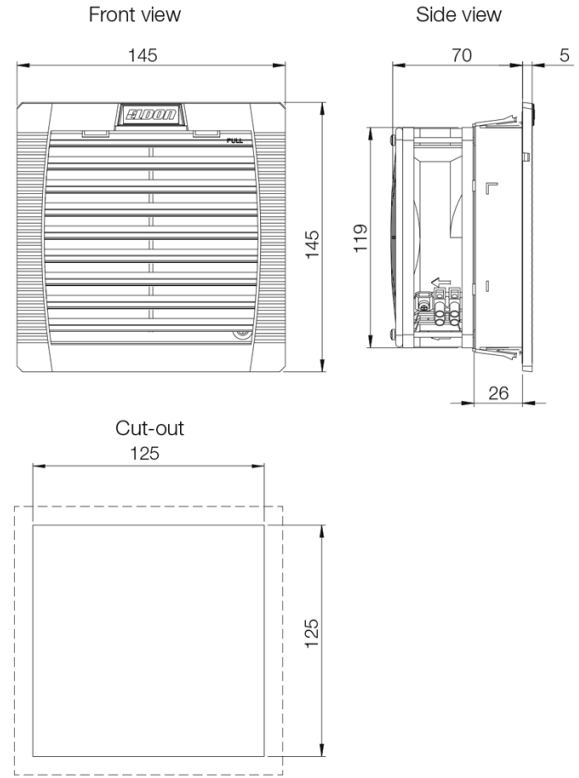
IP 54 | TYPE 12

EAC

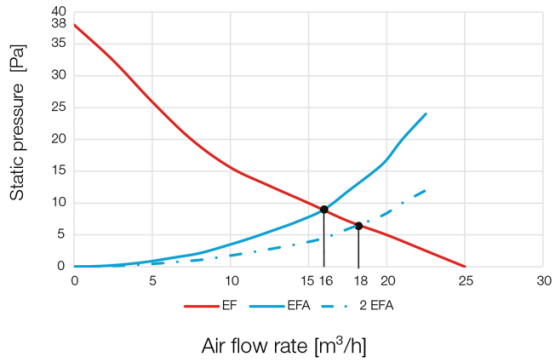
EF100R5 / EFA100R5



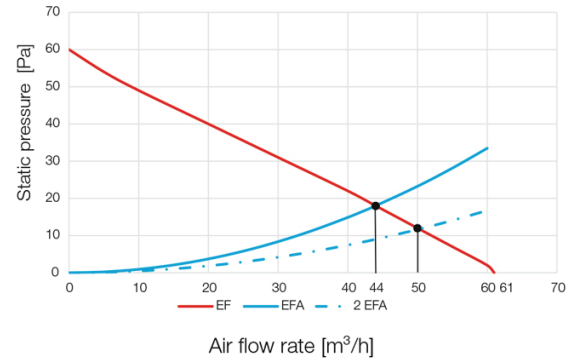
EF200R5 / EFA200R5



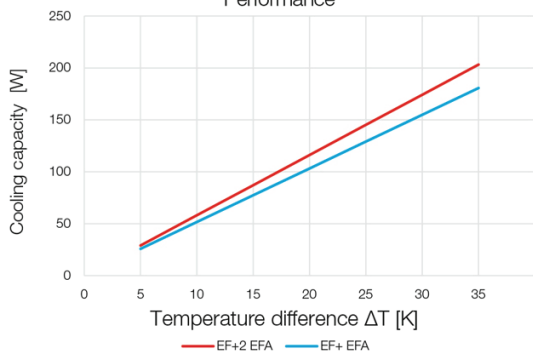
Static pressure diagram



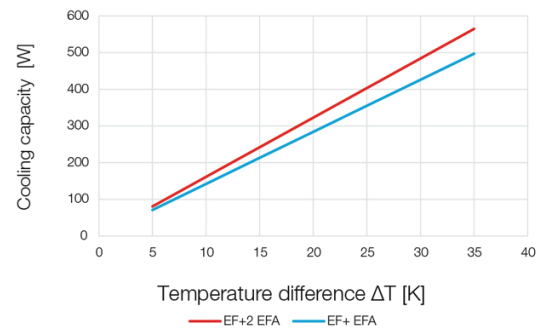
Static pressure diagram



Performance



Performance



230 V AC, 50/60 Hz

|         | EF+EFA<br>Air flow<br>(m³/h) | Filter mat<br>(EN779) | Filtration | Service<br>life L10<br>(40°C)<br>(h) | Bearing<br>type | Noise<br>(dB) | Cut-out<br>(mm) | Weight<br>(kg) |                   | Current<br>(A) | Power<br>(W) | Fuse (A) | Item no. |
|---------|------------------------------|-----------------------|------------|--------------------------------------|-----------------|---------------|-----------------|----------------|-------------------|----------------|--------------|----------|----------|
| 19/24   | 12/14                        | G4                    | >90        | 52.500                               | Sleeve          | 33            | 92 × 92         | 0.55           | 310 mm<br>cable   | 0.07/0.06      | 12/11        | 6        | EF100R5  |
| 61/67   | 44/50                        | G4                    | >90        | 37.500                               | Sleeve          | 44            | 125 ×<br>125    | 0.80           | Terminal<br>strip | 0.12/0.18      | 19/18        | 6        | EF200R5  |
| 98/108  | 73/80                        | G4                    | >90        | 37.500                               | Sleeve          | 40            | 177 ×<br>177    | 1.05           | Terminal<br>strip | 0.12/0.18      | 19/18        | 6        | EF220R5  |
| 125/138 | 93/102                       | G4                    | >90        | 40.000                               | Ball            | 40            | 223 ×<br>223    | 1.45           | Spring<br>type    | 0.12/0.10      | 18/17        | 6        | EF250R5  |
| 223/247 | 201/223                      | G4                    | >90        | 40.000                               | Ball            | 42            | 223 ×<br>223    | 1.90           | Spring<br>type    | 0.32/0.26      | 45/39        | 6        | EF300R5  |
| 480/480 | 370/370                      | G3                    | 80-90      | 40.000                               | Ball            | 54            | 292 ×<br>292    | 3.85           | Spring<br>type    | 0.30/0.36      | 80/100       | 6        | EF500R5  |
| 640/653 | 445/445                      | G3                    | 80-90      | 40.000                               | Ball            | 63            | 292 ×<br>292    | 4.05           | Spring<br>type    | 0.51/0.66      | 120/160      | 6        | EF600R5  |
| 845/875 | 560/625                      | G3                    | 80-90      | 40.000                               | Ball            | 66            | 292 ×<br>292    | 4.50           | Spring<br>type    | 0.59/0.88      | 140/197      | 6        | EF700R5  |

115 V AC, 50/60Hz

|         | EF+EFA<br>Air flow<br>(m³/h) | Filter mat<br>(EN779) | Filtration | Service<br>life L10<br>(40°C)<br>(h) | Bearing<br>type | Noise<br>(dB) | Cut-out<br>(mm) | Weight<br>(kg) |                   | Current<br>(A) | Power<br>(W) | Fuse (A) | Item no.        |
|---------|------------------------------|-----------------------|------------|--------------------------------------|-----------------|---------------|-----------------|----------------|-------------------|----------------|--------------|----------|-----------------|
| 19/24   | 12/14                        | G4                    | >90        | 55.000                               | Sleeve          | 33            | 92 × 92         | 0.55           | 310 mm<br>cable   | 0.15/0.15      | 12/11        | 6        | EF100-<br>115R5 |
| 61/67   | 44/50                        | G4                    | >90        | 40.000                               | Sleeve          | 44            | 125 ×<br>125    | 0.80           | Terminal<br>strip | 0.24/0.23      | 20/20        | 6        | EF200-<br>115R5 |
| 98/108  | 73/80                        | G4                    | >90        | 40.000                               | Sleeve          | 40            | 177 ×<br>177    | 1.05           | Terminal<br>strip | 0.24/0.23      | 20/20        | 6        | EF220-<br>115R5 |
| 125/138 | 93/102                       | G4                    | >90        | 42.500                               | Ball            | 43            | 223 ×<br>223    | 1.45           | Spring<br>type    | 0.25/0.25      | 18/17        | 6        | EF250-<br>115R5 |
| 223/247 | 201/223                      | G4                    | >90        | 40.000                               | Ball            | 46            | 223 ×<br>223    | 1.90           | Spring<br>type    | 0.50/0.50      | 40/40        | 6        | EF300-<br>115R5 |
| 480/480 | 370                          | G3                    | 80-90      | 40.000                               | Ball            | 52            | 291 ×<br>291    | 3.85           | Spring<br>type    | 0.66/0.80      | 75/90        | 6        | EF500-<br>115R5 |
| 640/653 | 445                          | G3                    | 80-90      | 40.000                               | Ball            | 64            | 291 ×<br>291    | 4.10           | Spring<br>type    | 0.96/1.40      | 110/160      | 6        | EF600-<br>115R5 |
| 845/875 | 625                          | G3                    | 80-90      | 40.000                               | Ball            | 69            | 291 ×<br>291    | 4.50           | Spring<br>type    | 1.23/1.71      | 140/195      | 6        | EF700-<br>115R5 |

24 V DC

|         | EF+EFA<br>Air flow<br>(m³/h) | Filter mat<br>(EN779) | Filtration | Service<br>life L10<br>(40°C)<br>(h) | Bearing<br>type | Noise<br>(dB) | Cut-out<br>(mm) | Weight<br>(kg) |                 | Current<br>(A) | Power<br>(W) | Fuse (A) | Item no.       |
|---------|------------------------------|-----------------------|------------|--------------------------------------|-----------------|---------------|-----------------|----------------|-----------------|----------------|--------------|----------|----------------|
| 19/24   | 12/14                        | G4                    | >90        | 70.000                               | Ball            | 33            | 92 × 92         | 0.25           | 310 mm<br>cable | 0.10           | 2.40         | 6        | EF100-<br>24R5 |
| 61/67   | 44/50                        | G4                    | >90        | 62.500                               | Ball            | 44            | 125 ×<br>125    | 0.45           | 310 mm<br>cable | 0.21           | 5.00         | 6        | EF200-<br>24R5 |
| 98/108  | 73/80                        | G4                    | >90        | 62.500                               | Ball            | 40            | 177 ×<br>177    | 0.70           | 310 mm<br>cable | 0.21           | 5.00         | 6        | EF220-<br>24R5 |
| 125/138 | 93/102                       | G4                    | >90        | 70.000                               | Ball            | 40            | 223 ×<br>223    | 1.40           | Spring<br>type  | 0.20           | 4.70         | 6        | EF250-<br>24R5 |
| 223/247 | 201/223                      | G4                    | >90        | 80.000                               | Ball            | 42            | 223 ×<br>223    | 1.45           | Spring<br>type  | 0.50           | 12.00        | 6        | EF300-<br>24R5 |

**EF**

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