

Thermal Management Ventilation Range Vertical indoor | EF

IP 54 | TYPE 12



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:

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Finish:

RAL 7035.

Pack quantity:

One fan with filter.



Dimensional table | EF

IP 54 | TYPE 12

230 V AC, 50/60 Hz

| Unimpeded airflow (m³/h) | EF+EFA Air flow (m³/h) | Filter mat (EN779) | Filtration efficiency (%) | Service life L10 (40°C)(h) | Bearing type | Noise (dB) | Item no. |
|--------------------------|------------------------|--------------------|---------------------------|----------------------------|--------------|------------|----------|
| 19/24 | 12/14 | G4 | >90 | 52.500 | Sleeve | 33 | EF100R5 |
| 61/67 | 44/50 | G4 | >90 | 37.500 | Sleeve | 44 | EF200R5 |
| 98/108 | 73/80 | G4 | >90 | 37.500 | Sleeve | 40 | EF220R5 |
| 125/138 | 93/102 | G4 | >90 | 40.000 | Ball | 40 | EF250R5 |
| 223/247 | 201/223 | G4 | >90 | 40.000 | Ball | 42 | EF300R5 |
| 480/480 | 370/370 | G3 | 80-90 | 40.000 | Ball | 54 | EF500R5 |
| 640/653 | 445/445 | G3 | 80-90 | 40.000 | Ball | 63 | EF600R5 |
| 845/875 | 560/625 | G3 | 80-90 | 40.000 | Ball | 66 | EF700R5 |

230 V AC, 50/60 Hz

| Cut-out (mm) | Weight (kg) | Connection | Current (A) | Power (W) | Fuse (A) | Item no. |
|--------------|-------------|----------------|-------------|-----------|----------|----------|
| 92 x 92 | 0.55 | 310 mm cable | 0.07/0.06 | 12/11 | 6 | EF100R5 |
| 125 x 125 | 0.80 | Terminal strip | 0.12/0.18 | 19/18 | 6 | EF200R5 |
| 177 x 177 | 1.05 | Terminal strip | 0.12/0.18 | 19/18 | 6 | EF220R5 |
| 223 x 223 | 1.45 | Spring type | 0.12/0.10 | 18/17 | 6 | EF250R5 |
| 223 x 223 | 1.90 | Spring type | 0.32/0.26 | 45/39 | 6 | EF300R5 |
| 291 x 291 | 3.85 | Spring type | 0.30/0.36 | 80/100 | 6 | EF500R5 |
| 291 x 291 | 4.05 | Spring type | 0.51/0.66 | 120/160 | 6 | EF600R5 |
| 291 x 291 | 4.50 | Spring type | 0.59/0.88 | 140/197 | 6 | EF700R5 |

115 V AC, 50/60Hz

| Unimpeded airflow (m³/h) | EF+EFA Air flow (m³/h) | Filter mat (EN779) | Filtration efficiency (%) | Service life L10 (40°C)(h) | Bearing type | Noise (dB) | Item no. |
|--------------------------|------------------------|--------------------|---------------------------|----------------------------|--------------|------------|-------------|
| 19/24 | 12/14 | G4 | >90 | 55.000 | Sleeve | 33 | EF100-115R5 |
| 61/67 | 44/50 | G4 | >90 | 40.000 | Sleeve | 44 | EF200-115R5 |
| 98/108 | 73/80 | G4 | >90 | 40.000 | Sleeve | 40 | EF220-115R5 |
| 125/138 | 93/102 | G4 | >90 | 42.500 | Ball | 43 | EF250-115R5 |
| 223/247 | 201/223 | G4 | >90 | 40.000 | Ball | 46 | EF300-115R5 |
| 480/480 | 370 | G3 | 80-90 | 40.000 | Ball | 52 | EF500-115R5 |
| 640/653 | 445 | G3 | 80-90 | 40.000 | Ball | 64 | EF600-115R5 |
| 845/875 | 625 | G3 | 80-90 | 40.000 | Ball | 69 | EF700-115R5 |

115 V AC, 50/60Hz

| Cut-out (mm) | Weight (kg) | Connection | Current (A) | Power (W) | Fuse (A) | Item no. |
|--------------|-------------|----------------|-------------|-----------|----------|-------------|
| 92 x 92 | 0.55 | 310 mm cable | 0.15/0.15 | 12/11 | 6 | EF100-115R5 |
| 125 x 125 | 0.80 | Terminal strip | 0.24/0.23 | 20/20 | 6 | EF200-115R5 |
| 177 x 177 | 1.05 | Terminal strip | 0.24/0.23 | 20/20 | 6 | EF220-115R5 |
| 223 x 223 | 1.45 | Spring type | 0.25/0.25 | 18/17 | 6 | EF250-115R5 |
| 223 x 223 | 1.90 | Spring type | 0.50/0.50 | 40/40 | 6 | EF300-115R5 |
| 291 x 291 | 3.85 | Spring type | 0.66/0.80 | 75/90 | 6 | EF500-115R5 |
| 291 x 291 | 4.10 | Spring type | 0.96/1.40 | 110/160 | 6 | EF600-115R5 |
| 291 x 291 | 4.50 | Spring type | 1.23/1.71 | 140/195 | 6 | EF700-115R5 |

24 V DC

| Unimpeded airflow (m³/h) | EF+EFA Air flow (m³/h) | Filter mat (EN779) | Filtration efficiency (%) | Service life L10 (40°C)(h) | Bearing type | Noise (dB) | Item no. |
|--------------------------|------------------------|--------------------|---------------------------|----------------------------|--------------|------------|------------|
| 19/24 | 12/14 | G4 | >90 | 70.000 | Ball | 33 | EF100-24R5 |
| 61/67 | 44/50 | G4 | >90 | 62.500 | Ball | 44 | EF200-24R5 |
| 98/108 | 73/80 | G4 | >90 | 62.500 | Ball | 40 | EF220-24R5 |
| 125/138 | 93/102 | G4 | >90 | 70.000 | Ball | 40 | EF250-24R5 |
| 223/247 | 201/223 | G4 | >90 | 80.000 | Ball | 42 | EF300-24R5 |

24 V DC

| Cut-out (mm) | Weight (kg) | Connection | Current (A) | Power (W) | Fuse (A) | Item no. |
|--------------|-------------|--------------|-------------|-----------|----------|------------|
| 92 x 92 | 0.25 | 310 mm cable | 0.10 | 2.40 | 6 | EF100-24R5 |
| 125 x 125 | 0.45 | 310 mm cable | 0.21 | 5.00 | 6 | EF200-24R5 |
| 177 x 177 | 0.70 | 310 mm cable | 0.21 | 5.00 | 6 | EF220-24R5 |
| 223 x 223 | 1.40 | Spring type | 0.20 | 4.70 | 6 | EF250-24R5 |
| 223 x 223 | 1.45 | Spring type | 0.50 | 12.00 | 6 | EF300-24R5 |