High-efficiency centrifugal single-inlet, medium-pressure fans with a direct motor and impeller with forward-facing blades fitted with IE3 asynchronous motor adjustable electronically.

Fan:
- Steel sheet casing
- Impeller with backward-curved blades made from robust sheet steel
- Motor and electronic variable speed:
  - Motors with IE3 efficiency adjustable electronically.
  - The variable speed drive VSD will be supplied as per order.
  - Electronic variable speed drive (VSD) can be adjusted by external 0-10 V signal.
  - It is advisable to install sinusoidal filters between the fan and the electronic variable speed drive (VSD) when they are far apart.
  - Electronic variable speed drive (VSD), available with single-phase 220-240 V 50/60 Hz input (VSD1/B type) or three-phase 380-415 V 50/60 Hz (VSD3/B type). Standard protection IP20 till 15 Hp, higher powers IP55. On demand IP66 protection till 10 CV
  - By default, the electronic variable speed drive (VSD) is delivered programmed for constant speed.
- Working fan temperature:
  - -25 °C +120 °C.
- Working temperature (VSD):
  - -25 °C +50 °C.
- Class F motors, with ball bearings, IP55 protection.
- Three-phase 230/400 V. 50 Hz. (up to 4kW) and 400/690 V. 50 Hz. (power over 4kW)

Finish:
- Anticorrosive finish in polyester resin polymerised at 190ºC, after alkaline degreasing with nanotechnology treatment and phosphate-free.
- On request:
  - Fan designed to transport air up to 250ºC.
  - Stainless steel fans

Fan order code

<table>
<thead>
<tr>
<th>CMP/EW</th>
<th>1128</th>
<th>2T</th>
<th>4</th>
<th>IE3</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMP/EW: High-efficiency centrifugal single-inlet, medium-pressure fans with casing and sheet steel impeller, “Efficient work”</td>
<td>Maximum speed: 2T=2950 rpm 4T=1450 rpm 6T=950 rpm</td>
<td>Motor power (CV)</td>
<td>Three-phase motor IE3</td>
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</table>

Order code with variable speed drive (VSD) included

<table>
<thead>
<tr>
<th>CMP/EW</th>
<th>1128</th>
<th>2T</th>
<th>4</th>
<th>IE3</th>
<th>VSD1</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>P: Supplied with VSD programmed for pressure control and Si-Presión pressure transmitter K: Supplied with VSD programmed for pressure control and built into a BOXPRES KIT/B box. Only available for fans with motor power less than or equal to 2.2 kW.</td>
</tr>
</tbody>
</table>
Efficient Work

Technical characteristics

![Technical table image](image-url)

Acoustic features at maximum speed

The specified values are determined according to free field measurements of sound levels in dB(A) at an equivalent distance of twice the fan’s span plus the impeller’s diameter, with a minimum of 1.5 m.

![Acoustic features image](image-url)

Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

![Sound power image](image-url)
Erp. Characteristic curves and ErP data
Efficient work

Erp. Characteristic curves and ErP data

CMP/EW-1231-4T

CMP/EW-1435-AT-4

CMP/EW-1435-AT-7,5

CMP/EW-1435-AT-9,5

CMP/EW-1440-4T-7,5

CMP/EW-1640-4T-5,5

CMP/EW-1640-4T-7,5

CMP/EW-1440-4T-10

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EKB-Produkter AB

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*Eff (%) = Eff. (%)/EfC

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*Eff (%) = Eff. (%)/EfC

*Eff (%) = Eff. (%)/EfC

*Eff (%) = Eff. (%)/EfC

*Eff (%) = Eff. (%)/EfC

*Eff (%) = Eff. (%)/EfC

*Eff (%) = Eff. (%)/EfC

---

SODECA
Erp. Characteristic curves and ErP data

**CMP/EW-1640-4T**

- Efficiency (%): 64
- Power (kW): 2.4
- Power Factor (PF): 0.6
- PF VSD: 0.5
- HP VSD: 0.7
- HP: 0.8

**CMP/EW-1645-7T**

- Efficiency (%): 65
- Power (kW): 2.4
- Power Factor (PF): 0.6
- PF VSD: 0.5
- HP VSD: 0.7
- HP: 0.8

**CMP/EW-1645-10**

- Efficiency (%): 66
- Power (kW): 2.4
- Power Factor (PF): 0.6
- PF VSD: 0.5
- HP VSD: 0.7
- HP: 0.8

**CMP/EW-2050-4T-10**

- Efficiency (%): 68
- Power (kW): 2.4
- Power Factor (PF): 0.6
- PF VSD: 0.5
- HP VSD: 0.7
- HP: 0.8

**CMP/EW-2050-4T-15**

- Efficiency (%): 69
- Power (kW): 2.4
- Power Factor (PF): 0.6
- PF VSD: 0.5
- HP VSD: 0.7
- HP: 0.8

**CMP/EW-2050-4T-20**

- Efficiency (%): 70
- Power (kW): 2.4
- Power Factor (PF): 0.6
- PF VSD: 0.5
- HP VSD: 0.7
- HP: 0.8

**CMP/EW-2050-6T**

- Efficiency (%): 72
- Power (kW): 2.4
- Power Factor (PF): 0.6
- PF VSD: 0.5
- HP VSD: 0.7
- HP: 0.8

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**Notes:**
- Efficiency (%): E (VSD) x Cc
- Power Factor (PF): P (VSD) x Cc
- HP: H (VSD) x Cc

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**Contact Information:**
- EKB-Produkter AB
- ÅSTORP HK 0435-226 30 Fax 0435-226 90 • Stockholm 08-26 25 30 • Göteborg 031-24 64 50 • Umeå 090-12 83 80 • ekb@ekb.se
**Erp. Characteristic curves and ErP data**

![Characteristic curves and ErP data](image)

<table>
<thead>
<tr>
<th>MC</th>
<th>EC</th>
<th>SR</th>
<th>GC</th>
<th>Pw [%]</th>
<th>N</th>
<th>[m³/h]</th>
<th>[Pa]</th>
<th>[mmHg]</th>
<th>VSJ</th>
</tr>
</thead>
<tbody>
<tr>
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<td>1.04</td>
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<td>189.3</td>
<td>976</td>
</tr>
</tbody>
</table>

*Pp (N) + Erp (Pa) + EJC

**Accessories**

See accessories section.

![Accessories](image)