



Heat recovery systems

For hot air and hot water applications

Why recover heat?

The question should in fact be: Why not? Amazingly, practically 100 percent of the electrical energy input of every rotary screw compressor and blower is converted into heat.

Importantly though, up to 96% of this energy can be recovered and reused for heating purposes. This not only reduces primary energy consumption, but also significantly improves the total energy balance.

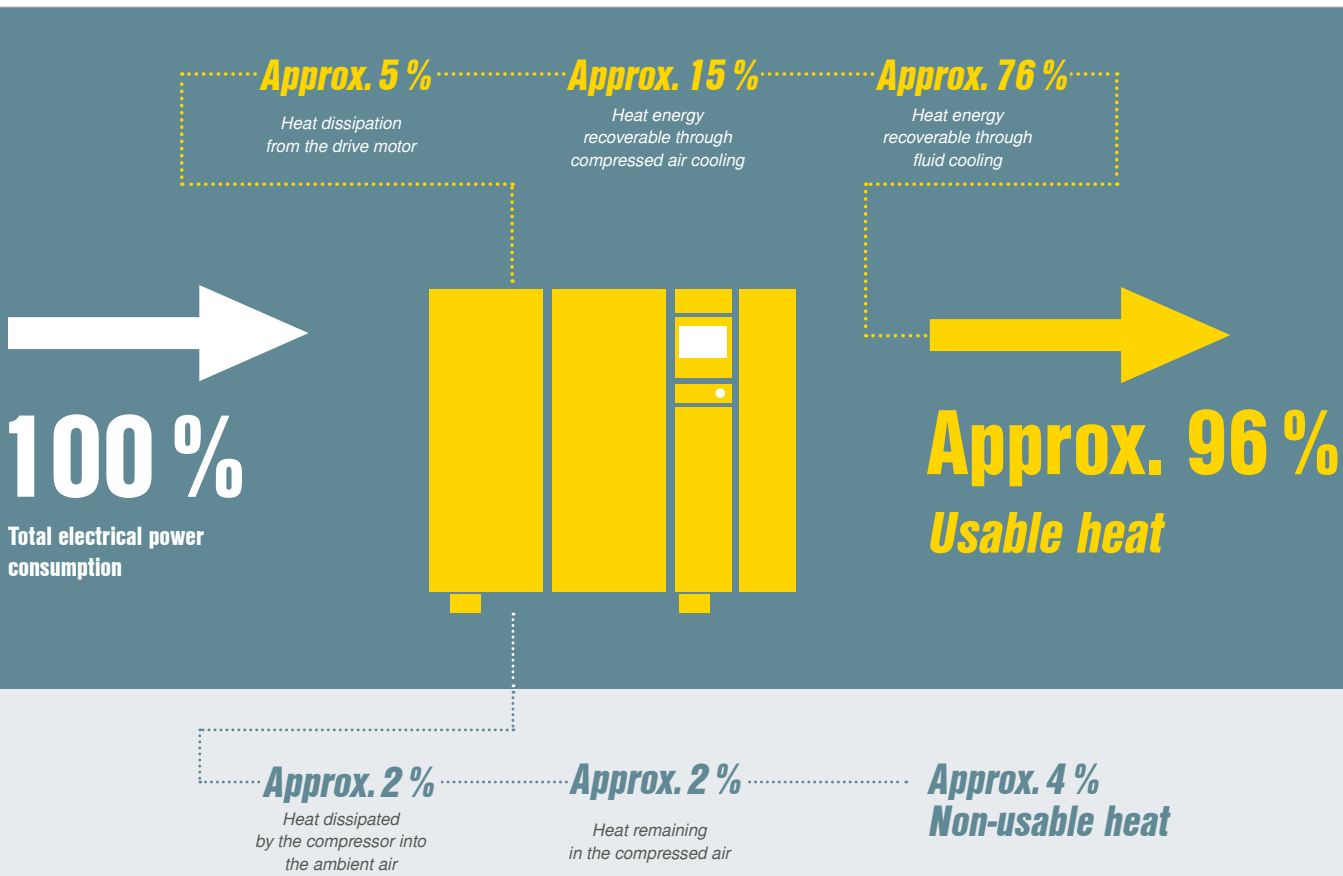
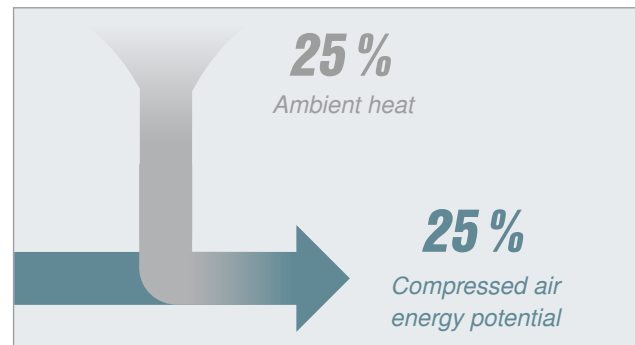
Heat in the compressor

Rotary screw compressors, boosters and blowers convert almost 100 percent of the electrical drive energy input into heat. The heat flow diagram (below) shows how this energy is distributed in the compressor system and how much of it is usable.

Approximately 96 percent of the energy can be recovered for reuse, 2 percent remains in the compressed air and 2 percent radiates away from the compressor package into the ambient surroundings. So where does the usable energy in compressed air come from?

The answer is actually quite simple and perhaps surprising: during the compression process, the compressor converts the input electrical drive energy into heat. At the same time, it charges the intake air with energy potential. This corresponds to approximately 25 percent of the compressor's electrical power consumption. This energy is only usable however when the compressed air expands at its point of use and, in so doing, absorbs heat energy from

the ambient surroundings. Of course the amount of energy available for use depends on the pressure and leakage losses within the compressed air system.

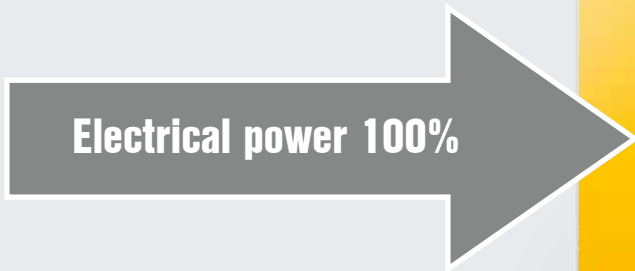
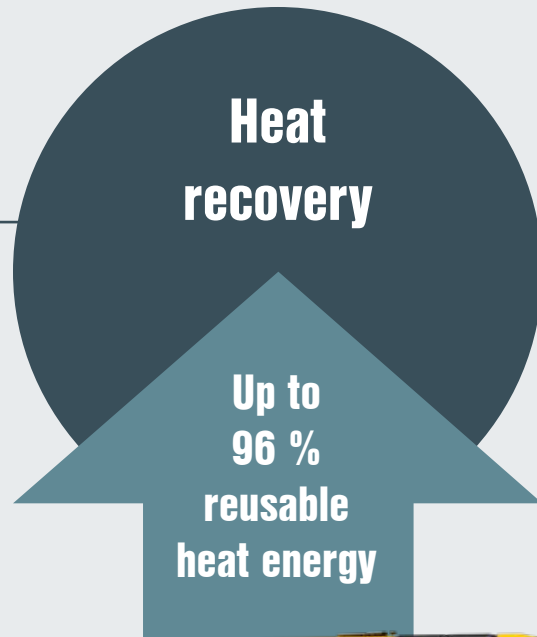


Saves money and benefits the environment

Savings

Gas heating
€ 284 to € 52,381 per year

Oil heating
€ 274 to € 50,570 per year



| Plate-type heat exchanger systems | Compressor size | | |
|--------------------------------------|--------------------------|---------------------------|----------------------------|
| | “Small” | “Medium” | “Large” |
| Compressor model | SM 15 | BSD 83 | FSD 475 |
| Drive motor rated power | 9 kW | 45 kW | 250 kW |
| Potential savings per year: fuel oil | € 842 | € 5,422 | € 27,313 |
| | 3,826 kg CO ₂ | 24,644 kg CO ₂ | 124,138 kg CO ₂ |



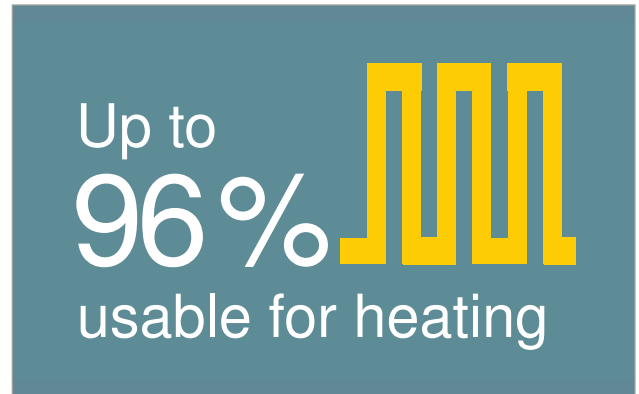
Image: DN 45 C booster with hot air heat recovery

Minimise primary energy consumption for heating

As self-contained complete systems, rotary screw compressors, boosters and blowers are particularly well suited for heat recovery.

Direct use of the recyclable heat via an exhaust air ducting system enables up to 96 percent of the total energy input to be recovered and used for heating purposes.

This is the case regardless of whether a fluid-injection cooled compressor, a dry-compression rotary screw compressor, a booster or a blower is in use.



Heating with hot air

Warmed compressor cooling air can be ducted away to provide highly effective space heating. With this method, up to 96 percent of the compressor's input energy can therefore be recovered as heat – either for space heating or for use as process heat.



Heat adjacent rooms

When using recyclable heat for space heating, exhaust air ducts simply feed the warmed cooling air to where it is needed, e.g. adjacent facilities, such as in warehouses or workshops.

Minimise primary energy consumption for warming of process, heating and service water



Using recyclable heat from the compressor, heat exchanger systems can provide on-demand heating and service water warmed to temperatures up to +70°C, or even +90°C, depending on requirements.

The heating of hot and service water using recyclable heat is performed by PTG plate heat exchanger systems. This is the standard application for recyclable heat.

Special fail-safe heat exchangers are recommended for applications that have no other interconnecting water circuits and where it is essential for the heated water to remain uncontaminated, as is the case with cleaning water in the food industry for example.

Hot water, up to +70°C, can be produced with reusable compressor heat from heat exchanger systems. Higher temperatures are possible in individual applications (please enquire).



Feed heat energy to a heating system

Up to 76 percent of the original input electrical energy for the compressor system can be recovered for use in hot water heating systems and service water installations. This significantly reduces primary energy demand required for heating purposes.



PTG plate heat exchanger

High quality stainless steel plate-type heat exchangers are the first choice when it comes to using recyclable heat from rotary screw compressors for warming process and service water, or for process heat production.



Equipment for rotary screw compressors



Hot air heat recovery

All KAESER rotary screw compressors can be fitted with exhaust ducting; the ducting is installed on-site. Adjacent rooms and warehouse space, for example, can be heated with the warmed cooling air. Possible applications: drying processes, heating of halls and buildings, air curtain systems, pre-heating of burner air.



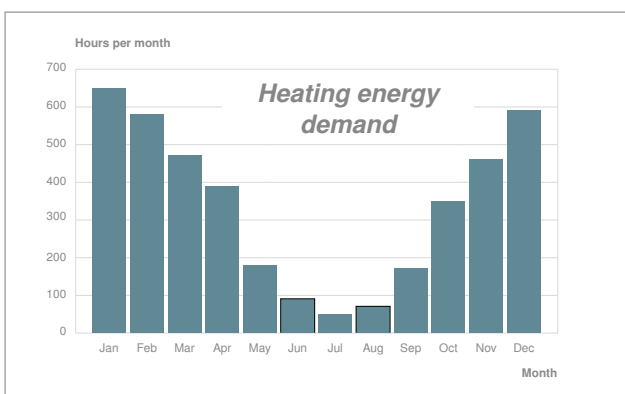
PTG plate-type heat exchangers

SM series rotary screw compressors (5.5 kW upwards) can be equipped with PTG systems. Depending on the size of the compressor system, the PTG heat exchanger is either integrated within the unit or installed externally. Possible applications: Feeding of heat into central heating systems, laundries, electroplating, general process heat. With special fail-safe heat exchangers: Cleaning water in the food industry, swimming pool heating, hot water for shower and washroom facilities.



Shell and tube heat exchangers

In case of inadequate cooling water quality (e.g. sea water or hard or contaminated cooling water), optional shell and tube heat exchangers are available. Our compressed air specialists can advise you regarding the right design for your particular application.



Heat is not only needed in winter

It goes without saying that heating is necessary during the winter months. However, it is also required to a greater or lesser extent at other times of the year, for example for the hot water supply. This means that heating energy is actually required for approximately 4000 hours per year.

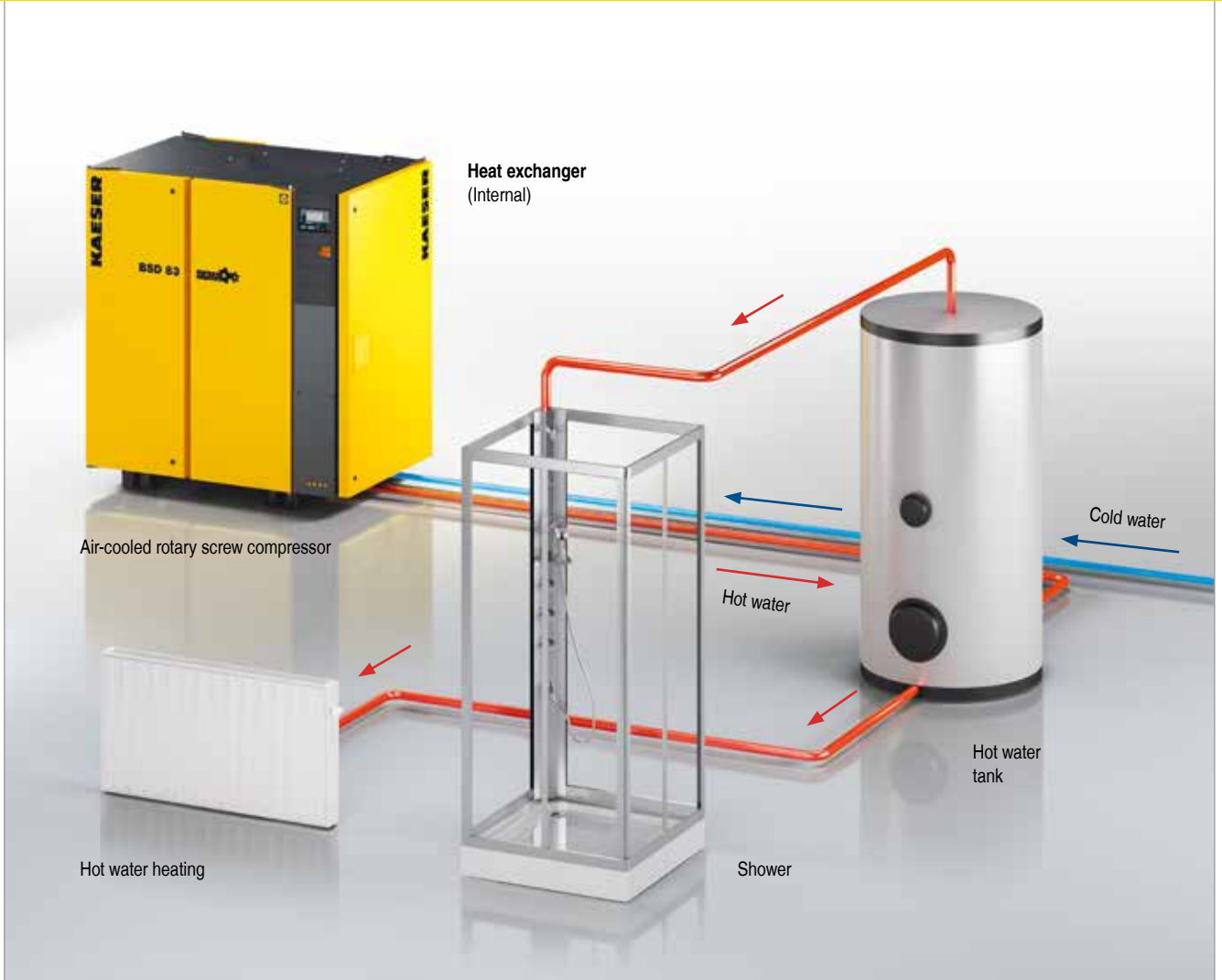


Image: Heat recovery process. Applications for potable water possible only in conjunction with safety heat exchanger (SWT)



Image: Internal layout of a compressor – system comprising plate-type heat exchanger, thermostatic valve and complete pipework

Technical specifications for...

Hot air

| Type | At max. gauge pressure | Motor rated power | Maximum available heating capacity | | Amount of reusable hot air | Amount cooling air is heated | Potential fuel oil savings | | | Potential natural gas savings | | | | | | | |
|--|------------------------|------------------------|------------------------------------|----------------------|------------------------------|------------------------------|--------------------------------------|------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|----------------------------------|--------------------------|-------------------------|
| | | | | | | | bar | kW | MJ/h ¹ | m³/h | K (approx.) | Fuel oil | CO ₂ | Heating cost savings | Natural gas | CO ₂ | Heating cost savings |
| | | | | | | | | | | | | l | kg | €/Year | m³ | kg | €/Year |
| SX 3 SX 4 SX 6 SX 8 | 8 | 2.2 3 4 5.5 | 2.7 3.4 4.4 6.0 | 10 12 16 22 | 1000 1000 1000 1300 | 8 10 13 14 | 456 575 744 1014 | 1244 1568 2029 2765 | Savings potential for 1500 hrs/yr | 274 345 446 608 | 378 476 616 840 | 756 952 1232 1680 | Savings potential for 1500 hrs/yr | 284 357 462 630 | | | |
| SM 10 SM 13 SM 16 | | 8 | 5.5 7.5 9 | 6.8 9.1 11.1 | 25 33 40 | 2100 | 10 13 16 | 1149 1538 1876 | | 3133 4194 5116 | 689 923 1,126 | 952 1275 1555 | | 1904 2550 3110 | 714 956 1,166 | | |
| SK 22 SK 25 | | | 8 | 11 15 | 13.2 16.5 | 48 59 | 2500 3000 | 16 17 | | 2231 2789 | 6084 7606 | 1,339 1,673 | | 1849 2311 | 3698 4622 | 1,387 1,733 | |
| ASK 28 ASK 34 ASK 40 | | | | 8 | 15 18.5 22 | 18.4 22.8 26.8 | 66 82 96 | 4000 4000 5000 | | 14 17 16 | 3110 3854 4530 | 8481 10,510 12,353 | | 1,866 2,312 2,718 | 2577 3193 3754 | 5154 6386 7508 | 1,933 2,395 2,816 |
| ASD 35 ASD 40 ASD 50 ASD 60 | 8.5 | 18.5 22 25 30 | 20.2 23.8 28.3 34.9 | | 73 86 102 126 | 3800 3800 4500 5400 | 16 19 19 19 | 4552 5363 6378 7865 | 12,413 14,625 17,393 21,448 | Savings potential for 2000 hrs/yr | 2,731 3,218 3,827 4,719 | 3772 4444 5285 6517 | 7544 8888 10,570 13,034 | Savings potential for 2000 hrs/yr | 2,829 3,333 3,964 4,888 | | |
| BSD 65 BSD 75 BSD 83 | | 8.5 | 30 37 45 | | 35.2 43.4 52.0 | 127 156 187 | 6500 8000 8000 | 16 16 20 | 7932 9780 11,718 | | 21,631 26,670 31,955 | 4,759 5,868 7,031 | 6573 8105 9711 | | 13,146 16,210 19,422 | 4,930 6,079 7,283 | |
| CSD 85 CSD 105 CSD 125 | | | 8.5 | 45 55 75 | 50 62 75 | 179 223 270 | 9400 9400 10,700 | 16 20 21 | 11,223 13,972 16,902 | | 30,605 38,102 46,092 | 6,734 8,383 10,141 | 9300 11,578 14,006 | | 18,600 23,156 28,012 | 6,975 8,684 10,505 | |
| CSDX 140 CSDX 165 | | | | 8.5 | 75 90 | 84 101 | 302 364 | 11,000 13,000 | 23 23 | | 18,930 22,761 | 51,622 62,069 | 11,358 13,657 | | 15,686 18,861 | 31,372 37,722 | 11,765 14,146 |
| DSD 145 DSD 175 DSD 205 DSD 240 | 9 8.5 8.5 8.5 | 75 90 110 132 | | | 82 96 120 145 | 295 346 432 522 | 11,000 13,000 17,000 20,000 | 22 22 21 22 | 18,479 21,634 27,043 32,676 | 50,392 58,996 73,746 89,107 | 11,087 12,980 16,266 19,606 | 15,313 17,927 22,409 27,077 | 30,626 35,854 44,818 54,154 | 11,485 13,445 16,807 20,308 | | | |
| DSDX 245 DSDX 305 | 8.5 | 132 160 | 143 176 | 515 634 | 21,000 | 20 25 | 32,226 39,662 | 87,880 108,158 | 19,336 23,797 | 26,704 32,866 | 53,408 65,732 | 20,028 24,650 | | | | | |
| ESD 375 ESD 445 | | 8.5 | 200 250 | 221 254 | 796 914 | 30,000 34,000 | 22 22 | 49,803 57,240 | 135,813 156,093 | 29,882 34,344 | 41,270 47,432 | 82,540 94,864 | 30,953 35,574 | | | | |
| FSD 475 FSD 575 | 8.5 | | 250 315 | 274 333 | 986 1199 | 40,000 | 21 25 | 61,747 75,043 | 168,384 204,642 | 37,048 45,026 | 51,167 62,185 | 102,234 124,370 | 38,375 46,639 | | | | |
| HSD 662 HSD 722 HSD 782 HSD 842 | | 8.5 | 360 400 450 500 | 21 23 25 26 | 74 82 88 94 | 10,000 | 6 7 7 8 | 4642 5116 5521 5904 | 12,659 13,951 15,056 16,100 | 2,785 3,070 3,313 3,542 | 3847 4239 4575 4893 | 7694 8478 9150 9786 | 2,885 3,179 3,431 3,670 | | | | |

¹ 1 MJ/h = 1 kW x 3.6

Calculation example for ASD 35

| For fuel oil | |
|-------------------------------------|---|
| Maximum available heating capacity: | 20.2 kW |
| Fuel value per litre of fuel oil: | 9.861 kWh/l |
| Fuel oil heating efficiency: | 0.9 |
| Price per litre of fuel oil: | 0.60 €/l |
| Cost savings: | $\frac{20.2 \text{ kW} \times 2000 \text{ hrs/yr}}{0.9 \times 9.861 \text{ kWh/l}} \times 0.60 \text{ €/l} = \text{€ 2,731 per year}$ |

| For natural gas | |
|-------------------------------------|---|
| Maximum available heating capacity: | 20.2 kW |
| Fuel value per m³ natural gas: | 10.2 kWh/m³ |
| Natural gas heating efficiency: | 1.05 |
| Price per m³ of natural gas: | 0.75 €/l |
| Cost savings: | $\frac{20.2 \text{ kW} \times 2000 \text{ hrs/yr}}{1.05 \times 10.2 \text{ kWh/m}^3} \times 0.75 \text{ €/l} = \text{€ 2,829 per year}$ |

Note: The indicated potential energy savings are based on compressors (8.0 / 8.5 / 9.0 bar) at operational temperature and at max. working pressure. Values may differ for other pressures.

...rotary screw compressors

Hot water

| Type | At max. gauge pressure bar | Motor rated power kW | Maximum available heating capacity kW MJ/h [†] | | Heated water volume Heated to 70 °C (ΔT 25 K) m³/h (ΔT 55 K) m³/h | | Installation of the PTG system Int./ext. | Potential fuel oil savings | | | Potential natural gas savings | | | | | | |
|--|-------------------------------|-------------------------|--|------------------------------|---|------------------------------|---|------------------------------|--------------------------------------|--------------------------------------|--|--------------------------------------|--------------------------------------|--|--------------------------------------|--------------------------------------|------------------------------------|
| | | | | | | | | Fuel oil | CO ₂ | Heating cost savings | Natural gas | CO ₂ | Heating cost savings | | | | |
| | | | | | | | | l | kg | €/Year | m³ | kg | €/Year | | | | |
| SM 10 SM 13 SM 16 | 8 | 5.5 7.5 9 | 4.8 6.6 8.1 | 17 24 29 | 0.16 0.21 0.29 | 0.07 0.10 0.13 | External | 811 1116 1369 | 2212 3043 3733 | Savings potential for 1500 hrs/yr | 487 670 821 | 672 924 1134 | 1344 1848 2268 | Savings potential for 1500 hrs/yr | 504 693 851 | | |
| SK 22 SK 25 | | 8 | 11 15 | 9.4 12.0 | 34 43 | 0.32 0.41 | | 0.15 0.19 | External | | 1589 2028 | 4333 5530 | 953 1,217 | | 1317 1681 | 2634 3362 | 988 1,261 |
| ASK 28 ASK 34 ASK 40 | | | 8 | 15 18.5 22 | 13.6 16.9 19.8 | 49 61 71 | | 0.47 0.58 0.68 | | | 0.21 0.26 0.31 | Internal | 2299 2856 3347 | | 6269 7788 9127 | 1,379 1,714 2,008 | 1905 2367 2773 |
| ASD 35 ASD 40 ASD 50 ASD 60 | 8.5 | 18.5 22 25 30 | | 15.2 18.1 21.6 26.6 | 55 65 78 96 | 0.52 0.62 0.74 0.92 | 0.24 0.28 0.34 0.42 | Internal | 3425 4079 4868 5994 | 9340 11,123 13,275 16,346 | 2,055 2,447 2,921 3,596 | | 2838 3380 4034 4967 | 5676 6760 8068 9934 | 2,129 2,535 3,026 3,725 | | |
| BSD 65 BSD 75 BSD 83 | | 8.5 | | 30 37 45 | 27.1 33.5 40.1 | 98 121 144 | 0.93 1.15 1.38 | | 0.42 0.52 0.63 | Internal | 6107 7549 9037 | | 16,654 20,586 24,644 | 3,664 4,529 5,422 | 5061 6256 7488 | 10,122 12,512 14,976 | 3,796 4,692 5,616 |
| CSD 85 CSD 105 CSD 125 | | | 8.5 | 45 55 75 | 38.6 48.4 59.0 | 139 174 212 | 1.33 1.67 2.03 | | 0.60 0.76 0.92 | | Internal | 8699 10,907 13,296 | 23,722 29,743 36,258 | 5,219 6544 7978 | 7208 9038 11,018 | 14,416 18,076 22,036 | 5,406 6,779 8,264 |
| CSDX 140 CSDX 165 | | | | 8.5 | 75 90 | 66 80 | 238 288 | | 2.30 2.80 | | | 1.03 1.25 | Internal | 14,873 18,028 | 40,559 49,162 | 8,924 10,817 | 12,325 14,939 |
| DSD 145 DSD 175 DSD 205 DSD 240 | 8.5 | 75 90 110 132 | | | 61 71 88 107 | 220 256 317 385 | 2.10 2.40 3.00 3.70 | 0.96 1.11 1.38 1.68 | Internal | 13,747 16,000 19,831 24,113 | | 37,488 43,632 54,079 65,756 | | 8,248 9,600 11,899 14,468 | 11,391 13,259 16,433 19,981 | 22,782 26,518 32,866 39,962 | 8,543 9,944 12,325 14,986 |
| DSDX 245 DSDX 305 | | 8.5 | 132 160 | 105 130 | 378 468 | 3.60 4.50 | 1.64 2.04 | Internal | | 23,662 29,296 | 64,526 79,890 | 14,197 17,578 | 19,608 24,276 | 39,216 48,552 | 14,706 18,207 | | |
| ESD 375 ESD 445 | | | 8.5 | 200 250 | 162 187 | 583 673 | 5.6 6.4 | | | 2.54 2.93 | Internal | 36,507 42,141 | 99,555 114,919 | 21,904 25,285 | 30,252 34,921 | 60,504 69,842 | 22,689 26,191 |
| FSD 475 FSD 575 | | 8.5 | | 250 315 | 202 246 | 727 886 | 7.0 8.5 | 3.16 3.85 | | Internal | | 45,522 55,437 | 124,138 151,177 | 27,313 33,262 | 37,722 45,938 | 75,444 91,876 | 28,292 34,454 |
| HSD 662 HSD 722 HSD 782 HSD 842 | 8.5 | | 360 400 450 500 | 291 323 348 374 | 1048 1163 1253 1346 | 10.0 11.1 12.0 12.9 | 4.56 5.06 5.45 5.86 | Internal | 65,578 72,790 78,423 84,283 | | 178,831 198,498 213,860 229,840 | 39,347 43,674 47,054 50,570 | 54,342 60,317 64,986 69,841 | 108,684 120,634 129,972 139,682 | 40,757 45,238 48,740 52,381 | | |

[†] 1 MJ/h = 1 kW x 3.6

Calculation example for ASD 35

| For fuel oil | | For natural gas | |
|-------------------------------------|--|-------------------------------------|--|
| Maximum available heating capacity: | 15.2 kW | Maximum available heating capacity: | 15.2 kW |
| Fuel value per litre of fuel oil: | 9.861 kWh/l | Fuel value per m³ natural gas: | 10.2 kWh/m³ |
| Fuel oil heating efficiency: | 0.9 | Natural gas heating efficiency: | 1.05 |
| Price per litre of fuel oil: | 0.60 €/l | Price per m³ of natural gas: | 0.75 €/l |
| Cost savings: | $\frac{15.2 \text{ kW} \times 2000 \text{ hrs/yr}}{0.9 \times 9.861 \text{ kWh/l}} \times 0.60 \text{ €/l} = \text{€ } 2,055 \text{ per year}$ | Cost savings: | $\frac{15.2 \text{ kW} \times 2000 \text{ hrs/yr}}{1.05 \times 10.2 \text{ kWh/m}^3} \times 0.75 \text{ €/l} = \text{€ } 2,129 \text{ per year}$ |

Note: The indicated potential energy savings are based on compressors (8 / 8.5 / 9 bar) at operational temperature and at max. working pressure. Values may differ for other pressures.

Heat recovery systems for...

Hot air

The Air-Cooled Aftercooler (ACA) is an air/air heat exchanger. The process air is cooled in a cross-flow process in which ambient air is warmed via the heat exchanger. For the cooling medium supply, only an electrical connection for the fan is needed. At an ambient temperature of 20 °C, for example, the process air entering the cooler can be cooled from 150 °C to 30 °C. The ACA offers advantages especially in the pneumatic conveying of temperature-sensitive bulk goods. Furthermore, if a production hall needs to be heated in the winter, the ACA can do that too. The exhaust air flow from the cooler contains up to 75% of the electrical power as blower heat. For optimal energy gains or cooling efficiency, the maximum pressure loss is a mere 35 mbar. To monitor the unit's function, an integrated thermostat detects the process air discharge temperature and activates a floating contact via an adjustable activation point.



Application examples

- Cooling of process air from blowers
e.g. for bulk goods conveying
- Heating of production halls

Hot water

The water-cooled WRN aftercooler is a bundled-tube heat exchanger in which the process air flows through several cooling pipes surrounded by water. The water serves as a cooling and heat transfer medium. This type of heat exchanger is customised for each project to ensure that the drop in the process air temperature and rise in water temperature precisely match the requirements. To minimise the pressure loss resulting from the additional power consumption of the blowers and to maximise the heat transfer, various cooling pipe geometries are used. Moreover, various materials are available for the cooling pipes as dictated by the water quality. The cooler shrouding is enamel-coated. The maximum achievable temperature drop in the return water flow below the process air inlet temperature in the heat exchanger is approx. 5°K.



Application examples

- Integration into heating circuits to raise return air temperature
- Integration into heat pump circuits
- Floor heating
- Drying sludge

...blowers



Image: DC 236 C with ACA compressed air aftercooler



Image: FBS 660 S SFC with bundled-tube heat exchanger

Technical specifications of heat recovery systems...

Hot air

| Model | Max. process air flow rate | Max. pressure loss | Max. fan flow rate ¹⁾ | Fan power supply (400V) | Fan power ¹⁾ | Total mass | Dimensions W x D x H | Connection nominal width |
|---------|----------------------------|--------------------|----------------------------------|-------------------------|-------------------------|------------|----------------------|--------------------------|
| | Nm ³ /min | mbar | m ³ /h | A | W | kg | mm | DN |
| ACA 53 | 5 | 15 | 1700 | 0.24 | 110 | 58 | 980 x 650 x 610 | 50 |
| ACA 88 | 7 | 25 | 1700 | 0.24 | 110 | 58 | 980 x 650 x 610 | 65 |
| ACA 130 | 12 | 25 | 3100 | 0.43 | 210 | 97 | 980 x 650 x 610 | 80 |
| ACA 165 | 14 | 30 | 3100 | 0.43 | 210 | 97 | 980 x 650 x 610 | 100 |
| ACA 235 | 22 | 30 | 6200 | 0.43 (2x) | 210 | 193 | 1900 x 850 x 1200 | 100 |
| ACA 350 | 30 | 35 | 6200 | 0.43 (2x) | 210 | 199 | 1900 x 850 x 1280 | 150 |

¹⁾ at max. pressure

Sample calculation for ACA 350 (for heating of production halls)

| Blower (37 kW) | |
|------------------------|------------------------|
| Flow rate: | 30 m ³ /min |
| Pressure differential: | 600 mbar |
| Inlet temperature: | 0 °C |
| Discharge temperature: | 52 °C |

| ACA 350 | |
|-----------------------------|---|
| Heat emission: | 25 kW |
| Air heating output: | 2200 m ³ /h from 0 to +35 °C |
| Pressure loss, process air: | 35 mbar = 2.2 kW |

...for blowers

Hot water

| Model | NW | V max (air) | V max (H ₂ O) | Connection dimensions | | Dimensions | | Weight kg |
|----------------|-----|----------------------|--------------------------|-----------------------|---------------|------------|----------------------|--------------|
| | | Nm ³ /min | m ³ /h | Air | Water | ∅ cabinet | Length ^{*)} | |
| WRN 38 smooth | 125 | 11 | 1.3 | DN 125, PN 16 | 1 ¼ | 168 | 1415 | 45 |
| WRN 60 smooth | 150 | 16 | 5 | DN 150, PN 16 | 1 ¼ | 194 | 1416 | 100 |
| WRN 90 smooth | 200 | 28 | 6 | DN 200, PN 16 | 1 ¼ | 245 | 1430 | 135 |
| WRN 130 smooth | 250 | 38 | 8 | DN 250, PN 10 | 1 ½ | 273 | 1441 | 220 |
| WRN 170 smooth | 300 | 53 | 10 | DN 300, PN 10 | 2 | 324 | 1441 | 275 |
| WRN 200 smooth | 350 | 65 | 12 | DN 350, PN 10 | 2 | 356 | 1441 | 365 |
| WRN 250 smooth | 350 | 67 | 12 | DN 350, PN 10 | DN 65, PN 16 | 375 | 1641 | 390 |
| WRN 350 smooth | 450 | 100 | 13 | DN 450, PN 10 | DN 80, PN 16 | 450 | 1649 | 580 |
| WRN 450 smooth | 500 | 130 | 15 | DN 500, PN 10 | DN 100, PN 16 | 519 | 1655 | 685 |

*) With welded counterflange (included within scope of delivery)

Sample calculation for WRN 170 (heating boost)

| Blower (37 kW) | |
|------------------------|------------------------|
| Flow rate: | 30 m ³ /min |
| Pressure differential: | 600 mbar |
| Inlet temperature: | 0 °C |
| Discharge temperature: | +52 °C |

| ACA 350 | |
|-----------------------------|--|
| Heat emission: | 14 kW |
| Air heating output: | 600 l/h (water) from +25 °C to +45 °C |
| Pressure loss, process air: | 20 mbar (approx. 1.2 kW more at the blower) = 2 kW |

The world is our home

As one of the world's largest compressed air system providers and compressor manufacturers, KAESER KOMPRESSOREN is represented throughout the world by a comprehensive network of branches, subsidiary companies and authorised partners in over 100 countries.

With innovative products and services, KAESER KOMPRESSOREN's experienced consultants and engineers help customers to enhance their competitive edge by working in close partnership to develop progressive system concepts that continuously push the boundaries of performance and compressed air efficiency.

Moreover, the decades of knowledge and expertise from this industry-leading system provider are made available to each and every customer via the KAESER group's global computer network.

These advantages, coupled with KAESER's worldwide service organisation, ensure that every product operates at the peak of its performance at all times and provides maximum availability.



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