



# 50%

lower energy costs in operating the inking unit pump for temperature control circulation thanks to the CombiStar Pro. CombiStar Pro cooling units have an energy-efficient digital scroll compressor, which cuts energy requirements by up to 15 percent. The free cooling system saves even more energy. This innovative system cools the inking unit with outside air as long as the temperature is below 20°C. The cooling units are activated automatically only once the temperature is above that level and remains there.

## 140,000 kWh

is saved annually by the AirStar Pro air supply cabinet when printing 36 million pages a year. This equates to 84,000 kg of CO<sub>2</sub>, or the annual consumption of around 40 households. Crucially, with an efficiency level of 70 instead of the usual 35 percent, the energy yield is twice as efficient. Turbo radial blowers also save energy because they are activated only when required.



## 3,600 kWh

is saved each year by a print shop using the standby function for just one hour each day – this equates to the annual energy consumption of an average household, or 2,160 kg of CO<sub>2</sub>. The function is easy to operate and, thanks to the rapid press startup, can also be used for short pauses.

# 0

is the number of times the press needs to be stopped to adjust inks or make readjustments – all thanks to Prinect Inpress Control. This maximizes productivity and cuts waste. The system also adopts the ink presettings directly from prepress, thereby cutting the makeready times for each new job.

## 27,000 kWh

is saved annually by the DryStar Combination dryer when printing 36 million pages a year. This equates to 16.2 metric tons of CO<sub>2</sub>. Patented round nozzles are particularly energy-saving for drying coatings. The warm air is generated directly above the sheets. The smaller the distance from the sheet of paper, the more efficient the nozzles. There's another benefit, too. In conjunction with the heat recovery cabinet, warm exhaust air serves as a source of energy. Heat exchangers first remove moisture from it before the warm exhaust air is mixed with cold air and reused for drying.



# H<sub>2</sub>O



is the magic formula, since using water to cool peripherals is much more efficient than using an air-conditioning or ventilation system. The pressroom remains cooler and the production environment is stabilized. The energy generated in water cooling can also be used for other areas outside the press.

## HEAVYWEIGHT ON ECO DIET

One Heidelberg pressroom heavyweight is making exceptionally light use of resources. A whole range of eco components are ensuring the Speedmaster XL 106 minimizes energy consumption, emissions, paper waste and other waste – while maximizing productivity. Here's an overview of the various energy-slimming agents.



# 8 kWh

is sufficient to print 1,000 sheets at maximum speed using a press's most energy-efficient operating mode. The integrated energy measuring device continuously displays on the wallscreen how much energy is currently being consumed for one thousand sheets, thus enabling printers to optimize their press.



# 95%

efficiency is achieved by the frequency-controlled sine synchronous drive – 5 percent more than standard motors, which means the losses are only half as great. Various drives also offer impressive energy recovery. Inverters harness the thermal energy generated in slowing down the motors to power other units in the press.