

PRODUCT INFORMATION

DIPLOMATiC MS - DAIKIN AKL - INVERTER CHILLER

The adoption of lower GWP refrigerant (R32) :

R32 is a very high-efficiency refrigerant which is as a consequence widely used in air conditioning applications around the world, and it can be used for high efficiency chillers for machine tools. (GWP 675)

High energy-saving performance:

Achieve high energy-saving performance with the adoption of a Daikin original IPM motor, inverter and R32 refrigerant for high COP characteristics.

Highly accurate liquid temperature control by inverter technology :

The coolant temperature can be controlled within $\pm 0.1^{\circ}$ C over the entire cooling load range (from 0 to 100% load) and this helps to increase machining accuracy of machine tools.

Predictive maintenance:

Built-in warning system reminds you the maintenance timing for air filter, condenser etc, which prevents sudden stop and reduce down time.



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DIPLOMATiC MS Spa

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Cooling Capacity (with pump):

Minimum: 1.4 kW (AKL14B)

Maximum: 12.4 kW (AKL124B)

Applications:

Used for maintaining temperature on heat generating parts in machine tools to ensure optimal precision in machining processes.

ON SHOW AT:
Hall 8,
Stand-No: B74

AMB
International Exhibition
for Metal Working
10 - 14 Sep 2024
Messe Stuttgart
Germany

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DIPLOMATIC MS - DAIKIN EHU - ECORICH HYBRID HYDRAULIC POWER UNIT

High energy-saving performance:

- The highly efficient IPM motor surpasses IE4 class to reduce power consumption by up to 65% compared to a conventional hydraulic unit.

Restricted oil temperature rise:

- Suppressing the oil temperature reduces the thermal distortion on the machine, improves the environment at the machine site, prevents degradation of hydraulic oil and extends the oil replacement interval.

Space-saving design:

- A more compact and lightweight unit offers easier installation. All models offer a 9% reduced footprint. The EHU1404/2504 model offers a 40% mass reduction compared to a conventional hybrid unit.



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The world first hybrid hydraulic system that combines hydraulics technology and Daikin motor/inverter technology.

Applications: industrial stationary equipment

It complies with regulations.

All models comply with CE standards.

- ✓ Tank: 45 l / tankless
- ✓ Max Pressure: 70/135 bar
- ✓ Max Flow Rate: 28,5 l/min 15 l/min

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