TRANE®

PICCO

Small reversible heat pumps

Cooling capacity: 6 to 70 kW

Heating capacity: 6.5 to 65 kW

Ingersoll Rand®

Trane Picco

Market-leading range of high performance, compact heat pumps with inverter driven scroll compressors.

INVERTER TECHNOLOGY

EUROVENT CERTIFIED PERFORMANCE
03.12.047
Range CCTA
www.eurovent-certification.com

ErP Compliant

Features

- Customized microprocessor control system with overheat protection and electronic expansion valve (EEV).
- Twin rotary DC inverter compressors.
- DC inverter driven axial fans.
- Condenser coil with hydrophilic aluminium fins and copper piping.
- Heat exchanger: Brazed stainless steel plate to AISI 316.
- Copper piped refrigerant circuit with condensing control, EEV, reverse valve, high/low pressure switch, liquid separator and receiver, maintenance and control valves, double inlet pressure ,high and low pressure transducers.

- Integral hydraulic system with high efficiency brushless pump, expansion tank, flow switch, air valve, pressure relief valve, pressure gauge and water valve for charging/ discharging the system.
- Conto termico 2.0 elegible. Class A in cooling and heating. Available for all regional subsidy programs
- Ecodesign compliant
- Modular set-up with Hi-T controller (optional)

6 - 16 kW models

- 2 Reversible heat pump versions available
- With or without integrated defrosting kit
- 3 levels of acoustic packages

Picco reversible heat pumps are designed for light commercial applications. Being extremely versatile, they can provide hot water for winter heating, sanitary hot water and chilled water for summer cooling. The system works seamlessly with radiant and fan coil systems using network or renewable sourced power supply.

Water up to **63°C** with resistance

Hi-T Compatible

OK Conto termico 2.0

Fino al **65°C** Recupero fiscale*

Specifications 6 - 16 kW models

A wide choice is provided by a range of six unit models with seven different capacity ratings from 6 to 16 kW.

		06	08	10	12	14	14T	16	16T
(1) Cooling capacity (50 Hz)	kW	6.87	8.52	10	11.9	13.8		15.69	
(1) Cooling capacity (≈30 Hz)*		3.65	4.65	5.4	5.4	6.7		8.7	
(1) Cooling capacity (≈58 Hz)*		7.56	9.12	11.35	13.1	15.2		16.3	
(1) Power input	kW	1.69	2.18	2.26	2.65	2.93		3.20	
(1) E.E.R.	W/W	4.06	3.91	4.43	4.49	4.72		4.90	
(5) SEER	W/W	3.59	3.61	4.63	4.73	4.51		4.77	
(3) Heating capacity (50 Hz)		6.57	8.01	10	12.1	13.76		15.21	
(3) Heating capacity (≈30 Hz)*		2.78	3.54	4.69	4.69	5.5		7.1	
(3) Heating capacity (≈58 Hz)*	kW	7.23	8.81	10.8	12.7	15.1		15.9	
(3) Power input	kW	1.47	1.85	2.26	2.89	3.2		3.45	
(3) C.O.P.	W/W	4.47	4.33	4.43	4.19	4.3		4.41	
(6) SCOP	W/W	3.84	3.83	4.24	4.31	4.01		4.07	
Energy efficiency class		A++ / A+	A++ / A+	A++ / A+	A++ / A+	A++ / A+		A++ / A++	
Power supply	V~, Ph, Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	400/3/50	230/1/50	400/3/50
Ambient air temp.	°C		-20/+46		-20/+46				
Sound power	dB(A)	62.0	62.5	63	63.5	65.5		66.0	
Pump power	kW	0.045	0.045	0.06	0.075	0.14		0.14	
Water flow	m³/h	1.13	1.38	1.72	2.08	2.37		2.62	
Net weight	kg	63.4	63.4	95.5	95.5	115.5		126.3	
Width	mm	925	925	1047	1047	1060		1060	
Depth	mm	380	380	465	465	455		455	
Height	mm	785	785	913	913	1405		1405	

(1) Cooling: ambient air temperature 35°C, in/out temperature water 23/18°C
(3) Heating: ambient air temperature 7°C d.b. 6°C w,b, Water Temp in/out 30/35°C
(5) Cooling: temperature in/out water 23/18°C
(6) Heating: average dimatic conditions: Tbiv = -7°C, Water Temp in/out 30/35°C
(7) Sound power, heating mode condition (3); value determined on the basis of measurements taken in accordance with the UNI EN ISO 9614.2, in compliance with the requirements of the Eurovent certification
* = min./max. compressor speed varies per unit model

ACCESSORIES
AG   Vibration damper kit
KA   Antifreeze kit
Hi-T   Multifunctioning touch screen remote control
VDIS   Diverter valve (1") Kvs 6,9
SAS   DHW probe / Sanitary water probe
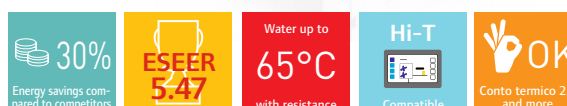EXOGEL Frost protection

25 - 70 kW models

- Reversible inverter heat pump
- With or without steam injection

- Acoustic packages available:
  - Standard noise
  - Low noise (SL1)
  - Extra low noise (SSL2)

Designed for commercial applications, the reversible heat pumps provide hot water for winter heating, sanitary hot water at 58°C (up to 65°C with auxiliary electric heater) and chilled water for summer cooling. These versions can be used in combination with radiant/fan coil systems, centralized systems or medium to large industrial or commercial systems. SEER and SCOP reach high values with DC scroll compressors, EC fan and high efficiency heat exchangers.

The DC inverter compressors allow to save up to 25% in power consumption. The inverter compressors optimized for heat pump operation under heavy conditions can be integrated with a steam injection system to provide a high level of comfort with low energy consumption even in the winter season (down to -25°C ambient air temperature).

30% Energy savings compared to competitors
ESEER 5.47
Water up to 65°C with resistance
Hi-T Compatible
OK Conto termico 2.0 and more

Specifications 25 - 70 kW models

A wide range of ten unit models with seven different capacity ratings from 25 to 70 kW.

		0125	0135	0235	0250F	0250	0260	0270	LT 0125	LT 0235	LT 0250
(1) Cooling capacity (50 Hz)	kW	30.65	36.37	36.37	49.32	49.32	57.14	70.76	30.67	36.37	47.56
(1) Cooling capacity (≈58 Hz)*	kW	33.5	39.3	39.3	51.8	51.8	60.6	72.2			
(1) Power input	kW	6.82	8.91	8.91	12.71	12.52	13.97	18.18	7.34	8.91	12.52
(1) E.E.R.	W/W	4.46	4.08	4.08	3.90	3.90	4.09	3.76	4.18	4.08	3.80
(2) Cooling capacity (50 Hz)	kW	21.15	27.04	27.04	36.36	36.36	42.97	53.4	22.5	26.9	37.6
(2) Cooling capacity (≈58 Hz)*	kW	23.1	29.1	29.1	38.3	38.3	45.6	55			
(2) Power input	kW	6.46	9.10	9.10	11.96	12.90	13.77	17.6	7.26	9.10	12.83
(2) E.E.R.	W/W	3.26	2.96	2.96	3.08	2.80	3.12	2.83	3.10	2.96	2.93
(2) SEER	W/W	4.06	4.50	4.08	4.32	3.66	4.41	3.97	3.93	4.04	3.91
(3) Heating capacity (50 Hz)	kW	24.57	32.65	32.65	48.25	48.25	52.04	65.2	25.8	32.5	49.26
(3) Heating capacity (≈58 Hz)*	kW	27.1	35.3	35.3	51.2	51.2	55.1	66.5			
(3) Power input	kW	5.62	8.02	7.98	11.77	11.87	12.59	16.07	6.17	7.98	12.93
(3) C.O.P.	W/W	4.40	4.07	4.07	4.14	4.10	4.13	3.78	4.18	4.07	3.81
(4) Heating capacity (50 Hz)	kW	22.05	32.33	32.33	41.07	41.07	49.33	60.45	4.18	4.07	3.81
(4) Heating capacity (≈58 Hz)*	kW	24.4	35.1	35.1	43.5	43.5	52.3	62.25			
(4) Power input	kW	6.44	9.92	9.97	14.7	12.40	15.12	19.56	7.27	9.97	14.4
(4) C.O.P.	W/W	3.44	3.26	3.26	3.22	3.34	3.26	3.08	3.53	3.26	3.28
(3) SCOP	W/W	3.83	3.95	3.88	3.99	3.82	3.82	3.84	4.02	4.03	3.82
Power supply	V, Ph, Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
Width	mm	1198	1198	1198	1198	1198	1198	1198	1198	1198	1198
Depth	mm	1198	1198	1198	1198	1198	1198	1198	1198	1198	1198
Height	mm	1673	1673	1673	1741	1741	1741	1741	1673	1673	1741
Height (SSL)	mm	1906	1906	1906	1906	1906	1906	1906	1906	1906	1906
Weight	kg	355	382	412	428	428	454	460	355	412	428

(1) Cooling: ambient air temperature 35°C, inlet/outlet temperature water 23/18°C
(2) Cooling: ambient air temperature 35°C, inlet/outlet temperature water 12/7°C
(3) Heating: ambient air temperature 7°C B S 6°C b u, Water Temp inlet/outlet 30/35°C
(4) Heating: ambient air temperature 7°C B S 6°C b u, Water Temp inlet/outlet 40/45°C
(5) Cooling: temperature inlet/outlet water 23/18°C
* = min./max. compressor speed varies per unit model

ACCESSORIES

IM	Protection module	GI1	Plant management module
FANO	DC fan	SL1	Silencing / low noise version
AC FAN1	AC fan No LT version	SSL2	Super silencing / super low noise version
CI1	EC integrated pump	Hi-T	Multifunction touch screen remote controller
CI2	Shut off valve	AG	Rubber shock absorbers
CI3	High efficiency integrated auto adaptive circulatore	TR2	Anti-corrosion finguard treatment
KA1	Antifreeze kit	SAS	Sanitary water probe

Ingersoll Rand

TRANE   **THERMO KING**   **Ingersoll Rand**   **Club Car**

trane.eu   ingersollrand.com