

TrueCompact

**A NEW GENERATION OF COMPACT
AIR HANDLING UNITS.**

robatherm

the air handling company

COMPACT AND EFFICIENT.



robatherm

robatherm



HIGHLY EFFICIENT PRODUCTION.

The successful composition of all processes creates efficiency – during production, installation and operation of our AHUs.

 youtube.com/robathermtv

QUALITY THAT IS PERFECTLY PACKAGED.

With TrueCompact, premium quality meets the compact-class. Air Handling Units from the series TrueCompact impress with a broad range of air flows up to 11,500 m³/h, outstanding characteristic data as well as with distinguishing energy efficiency.

- Inspection doors for easy accessibility | 1
- Highly efficient EC-fans | 2
- Integrated controls | 3
- Powder-coated casing (including base framework) | 4



1 2
3 4





PREMIUM-QUALITY

- ➔ Broad range of air flows up to 11,500 m³/h
- ➔ Weather-proof or interior version
- ➔ Complies with ErP-Stage 2018
- ➔ EUROVENT-Energy Efficiency Label A+ (2016)
- ➔ Plug & Play – Ready for connection
- ➔ Heat recovery systems (rotary heat exchanger or counter flow plate heat exchanger) up to 86%
- ➔ Excellent interior and exterior corrosion protection through powder-coating
- ➔ High hygienic standard: TÜV-certified according to DIN EN 13053 and VDI 6022
- ➔ Housing construction including inspection doors in T2/TB1-quality
- ➔ Minor electricity costs through efficiency optimized, direct-driven EC-fans
- ➔ Convenient web/remote control via Web Server

CUSTOMIZED EFFICIENCY.

Two highly efficient systems are available
for heat recovery:

TrueCompact|P with counter flow plate heat exchanger

TrueCompact|R with rotary heat exchanger

TrueCompact|P

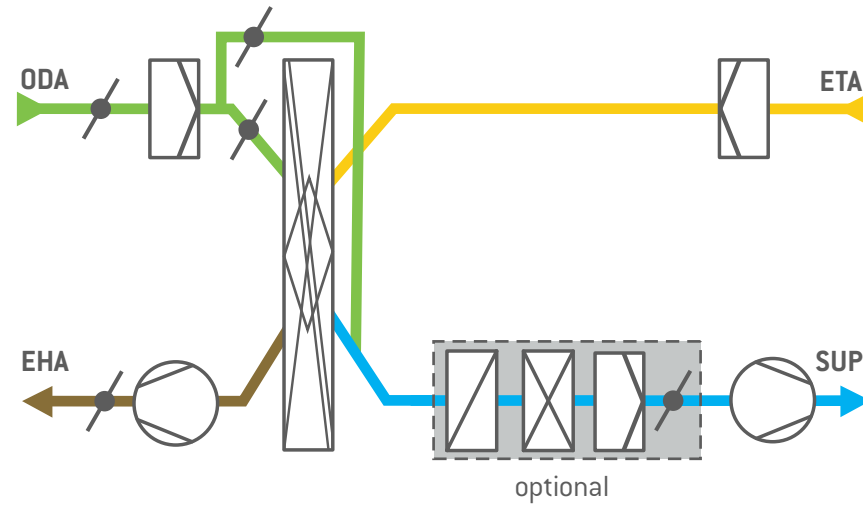


TrueCompact|R

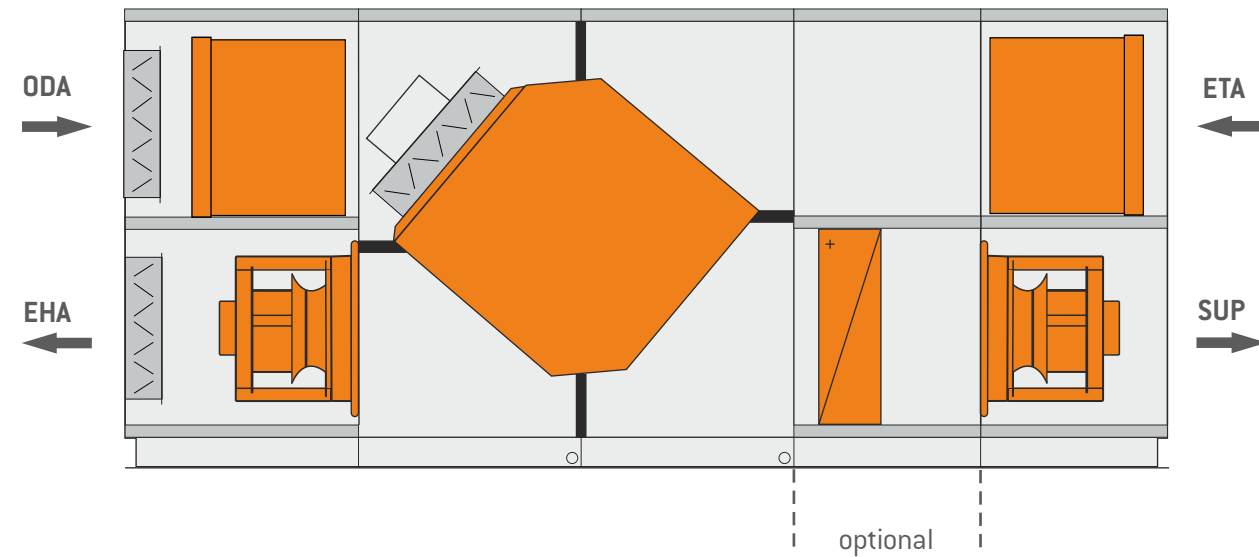


TrueCompact | P

PLANT FLOW DIAGRAM



AHU SCHEMATIC



TECHNICAL DATA

Type	Height	Depth	Length	Wight	Air Flow Volume	V-Classes (DIN EN 13053)	Heat Recovery Efficiency Dry (DIN EN 308)
[-]	[mm]	[mm]	[mm]	[kg]	[m³/h]	[-]	[%]
P i06 P e06	892	902	2488	600	1150	V1	83
P i09 P e09	1198	1208	2488	820	2125	V3	84
P i12 P e12	1504	1514	2692	1110	4300	V1	83
P i15 P e15	1810	1820	2896	1500	6200	V2	84
P i15+ P e15+	1810	1820	3202	1680	7700	V4	84
P i18 P e18	2116	2126	3202	1950	9350	V1	84
P i18+ P e18+	2116	2126	3610	2150	11000	V2	83

Type	Sound Power SUP/ETA	Electrical Power Consumption Fans SUP/ETA	SFPv SUP/ETA (DIN EN 13779)	ErP-Stage (1253/2014/EU)	EUROVENT-Class (2016)
[-]	[dB(A)]	[kW]	[kW/m³/s]	[-]	[-]
P i06 P e06	80/69	0.44/0.43	1.23/1.15	2018	A+
P i09 P e09	84/67	0.75/0.72	1,24/1,13	2018	A+
P i12 P e12	84/67	1.37/1.37	1.07/1.04	2018	A+
P i15 P e15	82/66	1.76/1.72	0.95/0.89	2018	A+
P i15+ P e15+	85/69	2.35/2.29	1.04/0.97	2018	A+
P i18 P e18	86/72	2.71/2.70	0.96/0.93	2018	A+
P i18+ P e18+	92/76	3.39/3.36	1.04/0.99	2018	A+

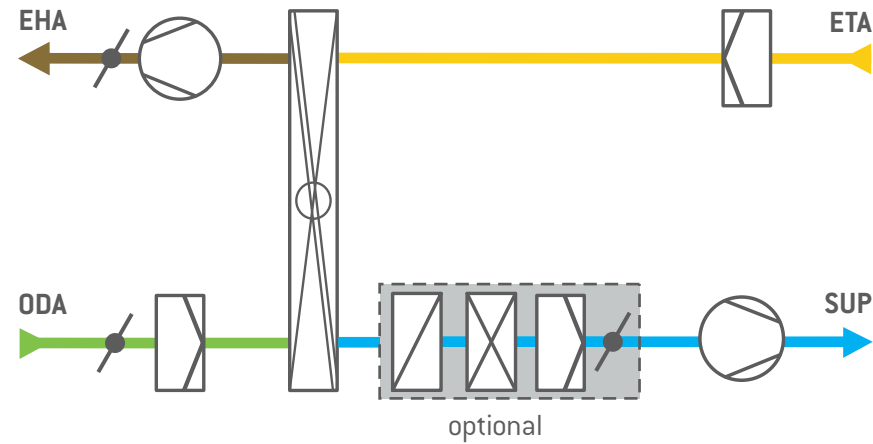
Abbreviations for types of air (according to DIN EN 13779):
 ODA = outdoor air, SUP = supply air,
 ETA = extract air, EHA = exhaust air

Layout conditions heat recovery system (DIN EN 308):
 ODA = +5°C/0% relative humidity
 ETA = +25°C/0% relative humidity

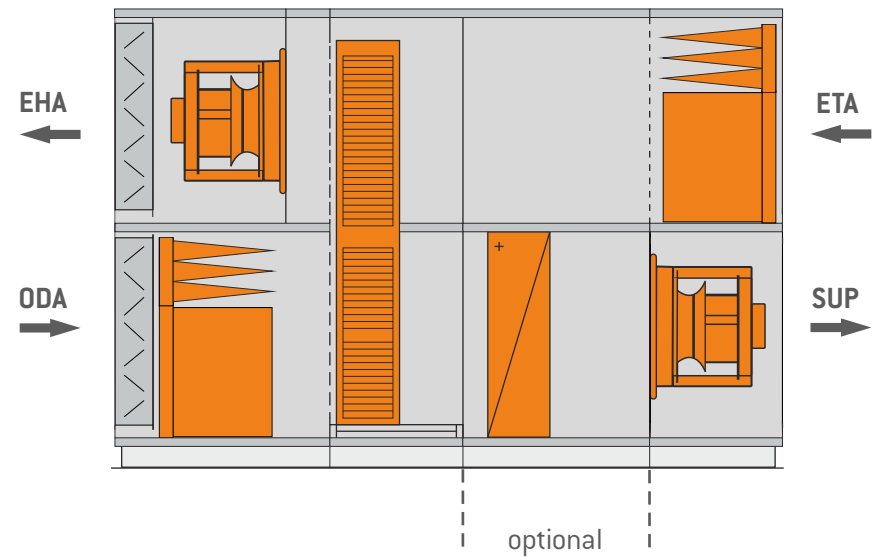
External pressure increase (SUP/ETA):
 300 Pa/300 Pa

TrueCompact | R

PLANT FLOW DIAGRAM



AHU SCHEMATIC



TECHNICAL DATA

Type	Height	Depth	Length	Weight	Air Flow Volume	V-Classes (DIN EN 13053)	Heat Recovery Efficiency Dry (DIN EN 308)
[-]	[mm]	[mm]	[mm]	[kg]	[m³/h]	[-]	[%]
R i06 R e06	892	902	1876	550	1150	V1	73
R i09 R e09	1198	1208	1876	710	2125	V3	82
R i12 R e12	1504	1514	1978	960	4800	V2	81
R i15 R e15	1810	1820	1978	1250	7000	V3	82
R i18 R e18	2116	2126	2080	1650	11500	V2	81

Type	Sound Power SUP/ETA	Electrical Power Consumption Fans SUP/ETA	SFPv SUP/ETA (DIN EN 13779)	ErP-Stage (1253/2014/EU)	EUROVENT-Class (2016)
[-]	[dB(A)]	[kW]	[kW/m³/s]	[-]	[-]
R i06 R e06	80/66	0.42/0.40	1.18/1.07	2018	A+
R i09 R e09	84/67	0.74/0.70	1.24/1.10	2018	A+
R i12 R e12	85/68	1.50/1.79	1.02/1.12	2018	A+
R i15 R e15	84/67	1.98/1.89	0.96/0.87	2018	A+
R i18 R e18	92/77	3.36/3.25	1.01/0.95	2018	A+

Abbreviations for types of air [according to DIN EN 13779]:
 ODA = outdoor air, SUP = supply air,
 ETA = extract air, EHA = exhaust air

Layout conditions heat recovery system (DIN EN 308):
 ODA = +5°C/0% relative humidity
 ETA = +25°C/0% relative humidity

External pressure increase [SUP/ETA]:
 300 Pa/300 Pa



DELIVERED READY FOR CONNECTION.

TrueCompact air handling units are delivered ready for operation – complying to the ErP-directive and including energy efficiency label.

➔ robatherm.com/en/truecompact

robatherm

the air handling company

robatherm
Industriestrasse 26
89331 Burgau, Germany

Tel. +49 8222 999-0
Fax +49 8222 999-222
info@robatherm.com
www.robatherm.com