

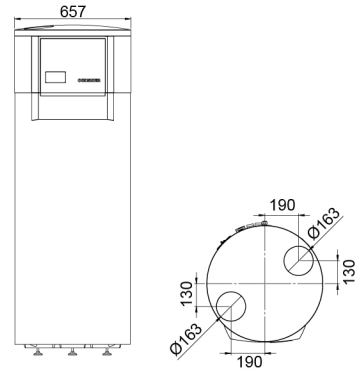
EUROPA 333 GENIUS

MULTIFUNCTIONAL APPLIANCE AIR/EXHAUST AIR HEAT PUMP WITH 300 L TANK

ORDER NUMBER: 110280

SERIES: EUROPA

TF MAX. 65°C



APPLIANCE DATA

Dimensions (diameter x height)	[mm]	650 x 1850
Type		Compact
Weight	[kg]	124
Electronic controller		Tiptronic Plus S (touchscreen)
Casing colour		Tiger white 29/11289/grey RAL 7016

SPECIFICATION

Phases/nominal voltage/frequency	[~]/[V]/[Hz]	1/220-240/50
Fuse protection (tripping curve "C")	[A]	13
Max. operating current	[A]	10.20
Starting current	[A]	18.00
Sound power/sound pressure level (at 1 m distance)	[dBA]	57.90 / 49.00

PERFORMANCE FIGURES (EN 16147 / A20)

Load profile		XL
Coefficient of performance (COP)		3.82
Heat-up time		6h 42min
Max. usable amount of water	[l]	375
Reference DHW temperature	[°C]	52.10
Average heating output	[kW]	2.18
Average power consumption	[kW]	0.52
SCOPw (VDI 4650-1:2016)		4.73

DHW TANK

Nominal capacity	[l]	300
Permissible operating pressure	[bar]	6
Material		Enamelled steel
Thermal insulation		Rigid PU foam (50 mm)
Sacrificial anode		1 x 5/4" mains current anode
Standby heat loss	[W]	89

ELECTRIC BOOSTER HEATER

Type		Electric immersion heater
Number	[pce]	2
Output	[kW]	1 x 0.7 (fixed), 1 x 0.7 (variable)

BOOSTER HEATER COIL

Type		Smooth tube 3/4"
Permissible operating pressure	[bar]	4
Permissible operating temperature of heating medium	[°C]	90
Coil surface area	[m ²]	1.40

CONDENSER

Type		Rollbond
Material		Aluminium
Max. refrigerant operating pressure	[bar]	25
Application range	[°C]	65
Heat transfer medium		Water

REFRIGERANT CIRCUIT

Refrigerant		R134a
Refrigerant charge	[kg]	1.10

COMPRESSOR

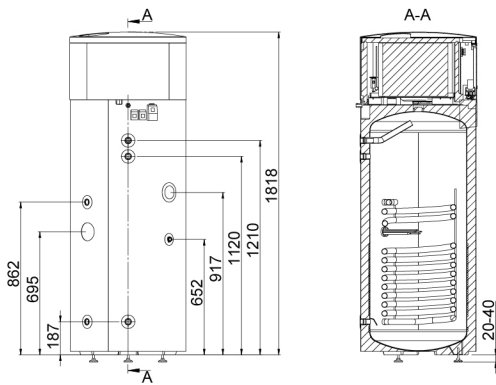
Type		Rotary piston
Output levels		1
Start type		Direct
Voltage/frequency	[V]/[Hz]	220-240 / 50

FAN

Type		Radial fan
Number	[pce]	1
Voltage/frequency	[V]/[Hz]	220-240 / 50
Power consumption	[W]	85
Max. operating current	[A]	0.70
Unrestricted air flow	[m ³ /h]	192-711
Infinitely variable		built-in
External pressure	[Pa]	80

EVAPORATOR

Type		Air/finned tube
Material		Copper/ aluminium
Number	[pce]	1
Defrost technology / frost protection shutdown		Hot gas
Max. refrigerant operating pressure	[bar]	27
Operating temperature min.	[°C]	-10
Operating temperature max.	[°C]	+40



Tiptronic Plus S controller with touchscreen
for easy operation:

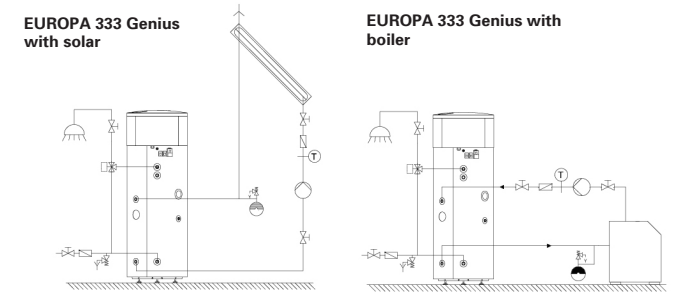
- Selectable hygiene/comfort mode
- Real time clock
- Speed control and time program for ventilation function
- Defrost function for use at temperatures down to -10°C
- Incl. solar control for on-site solar thermal system
- Smart grid function and Modbus communication

EXAMPLES OF APPLICATION



Exhaust air system (single-duct ventilation),
Exhaust air from bathroom, WC and kitchen to outside

Diagram for illustrative purposes only



EUROPA 333 Genius with solar

EUROPA 333 Genius with boiler



Installation in laundry room
DHW heating from ambient air, drying of room

Diagram for illustrative purposes only



Cooling of pantry/storeroom

Diagram for illustrative purposes only

PRODUCT DATA ErP: EUROPA 333 GENIUS

	A+		
	XL		
	COLDER	MEAN	HOTTER
η_{WH}	155	155	155
Annual power consumption [kWh]	1086	1086	1086
Temperature setting in delivered condition [°C]	52		
Sound power internal [dB]	57		
Smart grid ready (operation only in off-peak periods is possible)	Yes		