



# TRIBUS NATURAL 3 IN 1

R290

DOMESTIC HOT WATER 70°C  
HEAT PUMP  
CHILLER



## Capacities:

14,5 ~ 19,1 kW Domestic Hot Water  
4,4 ~ 16,2 kW Heat pump  
4,2 ~ 14,8 kW Chiller

## APPLICATIONS



HOUSINGS



STORES IN HISTORIC CENTER



RESIDENTIAL



# TRIBUS NATURAL 3IN1

Compact **MULTIPURPOSE** unit for outdoor installation consisting of a complete conditioning and DHW production system.

Air to Water heat pump **INVERTER** Total Recovery, configurable for all system needs.

**Renovation:** we preserve your radiators.

**New buildings:** no boiler required.

## INDOOR CONDITIONING UNITS

- RADIANT UNDERFLOOR
- HYDRONIC CASSETTES
- RADIATORS
- CEILING/FLOOR/WALL FAN COILS

## FUNCTIONALITY



HEAT PUMP



CHILLER



DOMESTIC HOT WATER



HIGH EFFICIENCY



SUSTAINABLE REFRIGERANT

very low environmental impact with GWP 3 (Global Warming Potential)



TOTAL RECOVERY

- REMOTE MANAGEMENT SYSTEM
- ENERGY SAVINGS
- TAX INCENTIVES



SEASONAL ENERGY EFFICIENCY medium climate		EN 16147 - CLASS A+	
		230V	400V
DHW efficiency cycle		ηwh 122	ηwh 121
Load profile		L	L
Production DHW		70°C	70°C

MODEL		230V	400V	NOMINAL PERFORMANCE
Absorbed power	kW	0,9~2,9	1,2~3,8	
Absorbed current	A	6,3~8,6	7,84~12,0	
Water flow	m³/h	1,93	2,55	CW water temperature Tw=12/7°C Air ambient temperature Ta=35°C
Pressure drop	kPa	22	38	
Sound pressure level	dB(A)	32	36	measured at 10m field from the unit (ISO3744)
Seasonal efficiency low temperature HEATING	SCOP	W/W (ηsh)% 190	4,92 192	<b>ErP (Energy Related Products)</b> Rif.REG. UE 813-814/2013 <b>CLASS A+++</b>
Seasonal efficiency low temperature COOLING	SEER	W/W (ηsh)% 202	5,15 199	



Dimensions	LxHxB mm
STD	1500 x 980 x 450
With hydraulic kit	1500 x 1345 x 450

## STD COMPONENTS

- Galvanized steel FRAME painting RAL 7037PB
- BLDC twin rotary COMPRESSOR
- BLDC brushless FAN 6 poles
- Finned coil HEAT EXCHANGER air side
- Brazed plate HEAT EXCHANGER A/C water side
- Condensation Brazed plate HEAT EXCHANGER DHW
- REFRIGERANT LEAK SENSOR
- Switching SOLENOID VALVE for the prouction of DHW
- REFRIGERANT SIDE INVERSION VALVE
- REGENERATIVE liquid/vapour EXCHANGER

## LEGEND

COMBINE CYCLE: Simultaneously COOLING + DHW

SINGLE CYCLE: Only DHW or HEATING or COOLING

POWER SUPPLY: V230/Hz50/Ph1+PE - V400/Hz50/Ph3+PE

## ACCESSORIES

- ✓ Remote control
- ✓ Control system and remote assistance
- ✓ Special coil coatin
- ✓ Domestic water pump
- ✓ Domestic water storage
- ✓ Antivibration dampers
- ✓ Circulation pump (TECHNICAL WATER)
- ✓ Expansion vessel
- ✓ Inlet water filter
- ✓ Flow switch



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