

# Predator - Outdoor

## High efficiency for outdoor installations

The Predator line offers a range of high-efficiency precision air conditioners for outdoor installations such as shelters/cabinets for telecommunications, power distribution, fibre optics, etc.

## 48 VDC version

The 48Vdc version is particularly suitable for cabinets powered by renewable energy sources, such as solar, wind or battery backup.



## Free Cooling

Predator units can be equipped with Free Cooling. Thanks to the direct use of external air, whenever the external air temperature is lower than the internal one, the cabinet is cooled "without cost".

Direct Free Cooling is the best solution for energy saving and ensures a considerable cost reduction.

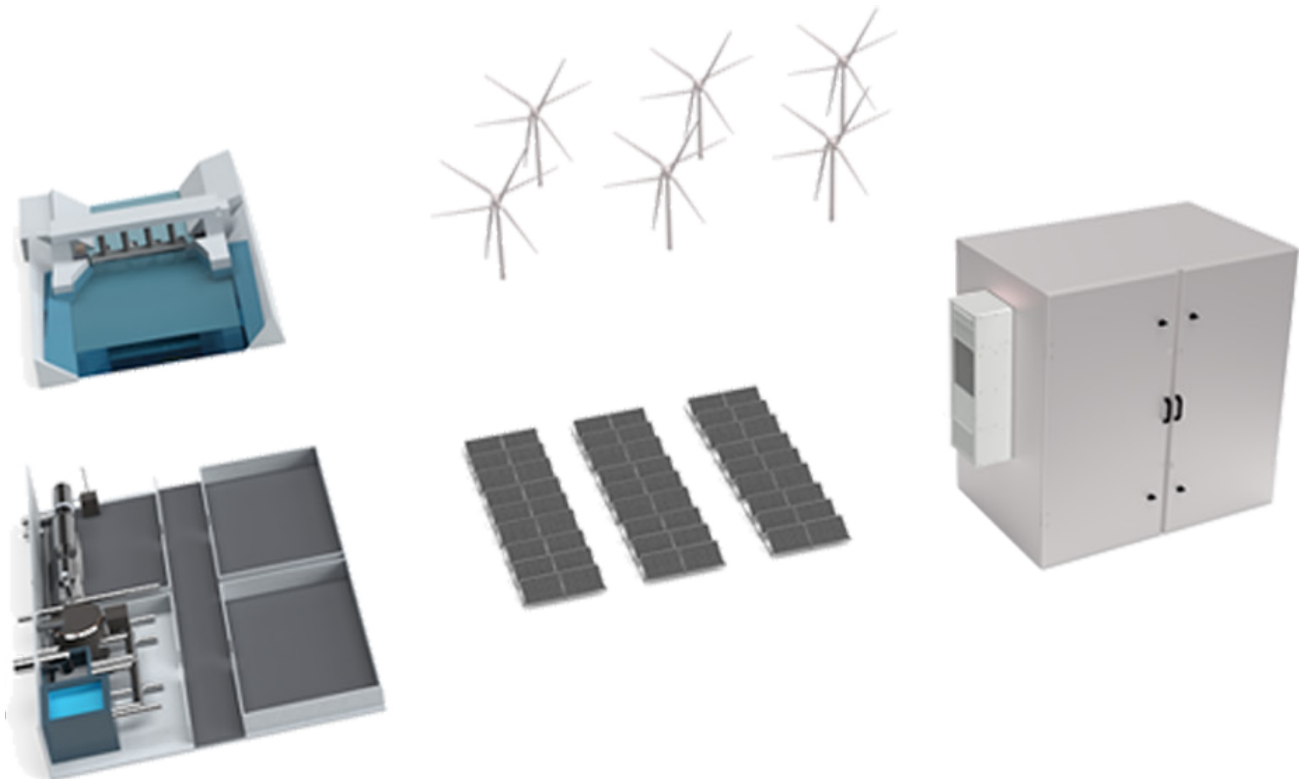
## How does Free Cooling work?

An alternative system to direct expansion cooling, which uses suitably filtered ambient air to cool the cabinet. The system automatically expels hot air from the cabinet, in the same quantity as that injected. A motorized damper mixes the external air flow and discharge air flow, by modulating the free cooling capacity.

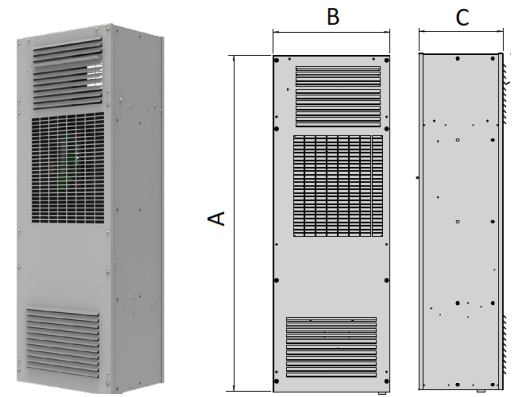
Predator air conditioners, thanks to their high air flow rate in Direct Free Cooling, represent the best solution for energy saving. Whenever environmental conditions allow it, Predator works in free cooling mode; in this mode the evaporator fan is the only component in operation, while compressor and condenser fan are switched off. Direct free cooling combined with emergency ventilation guarantees service continuity, even in the event of a main power failure, if the operating conditions can guarantee the functioning.

## Main Features

- Internal, external or semi-flush mounting
- Cooling Capacity 1000/2000W
- Functioning up to +60°C (ambient temperature)
- Certifications: CE, EAC
- Available configurations:
  - without Free Cooling
  - with Free Cooling without emergency ventilation
  - with Free Cooling and 48VDC emergency ventilation

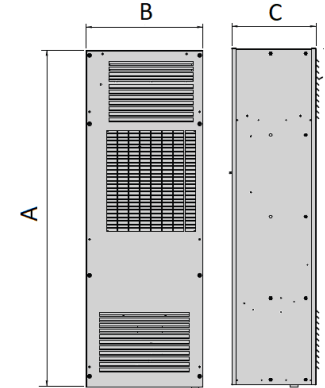


## PRT10H/F PRT100



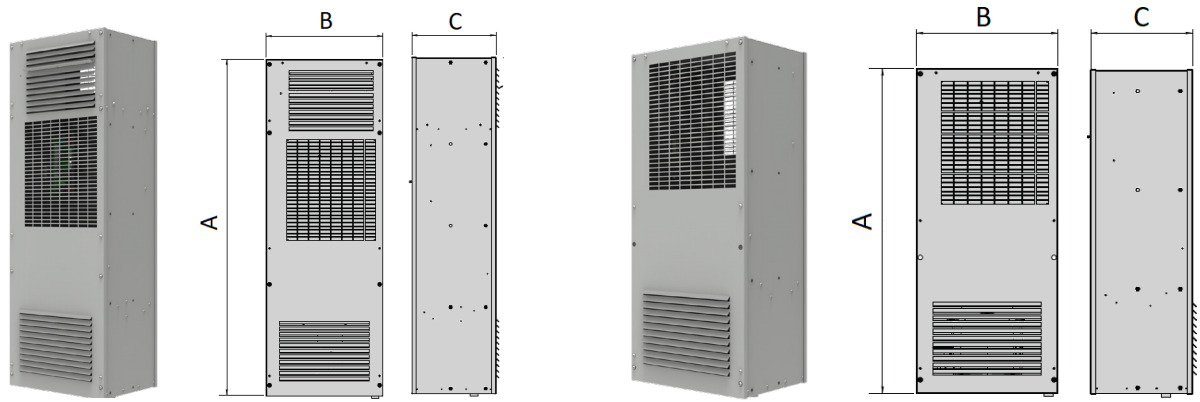
CODE	M.U.	PRT10HA3201000	PRT10FA3201000
Power Supply	V - Hz	230-1-50/60 + 48VDC	230 - 1 - 50/60
Cooling Capacity	L35L35 W	1000	1000
Cooling Capacity	L35L50 W	750	750
Power consumption - L35L50	@230VAC W	600	600
	@48VDC W	110	--
Current consumption - L35L35	@230VAC A	2,5	2,7
	@48VDC A	2,6	--
Start-up current	@230VAC A	16	16
Internal operating temp..	min/ max °C	+25 / +45	+25 / +45
External operating temp.	min/ max °C	-20 / +60	-20 / +60
Internal circuit protection degree	CE IP	54	54
External sound pressure	dB(A)	59	59
Height (A)	mm	1200	1200
Width (B)	mm	417	417
Depth (C)	mm	300	300
Weigth	kg	59	59

## PRT14H/F



CODE	M.U.	PRT14HA3201000	PRT14FA3201000
Power Supply	V ~ Hz	230-1-50/60 +48VDC	230-1-50/60
Cooling Capacity	L35L35 W	1400	1400
Cooling Capacity	L35L50 W	1000	1000
Power consumption - L35L50	@230VAC W	770	770
	@48VDC W	100	--
Current consumption - L35L35	@230VAC A	4,3	4,5
	@48VDC A	2,4	--
Start-up current	@230VAC A	17	17
Internal operating temp..	min/ max °C	+25 / +45	+25 / +45
External operating temp.	min/ max °C	-20 / +60	-20 / +60
Internal circuit protection degree	CE IP	54	54
External sound pressure	dB(A)	59	59
Height (A)	mm	1200	1200
Width (B)	mm	417	417
Depth (C)	mm	300	300
Weigth	kg	61	61

## PRT20H/F PRT200



CODE	M.U.	PRT20HA3201000	PRT20FA3201000	PRT20FD3121000	PRT200D3121000
Power Supply	V - Hz	230-1-50/60 +48VDC	230-1-50/60	48VDC	48VDC
Cooling Capacity	L35L35 W	2000	2000	2000	2000
Cooling Capacity	L35L50 W	1750	1750	1750	1750
Power consumption - L35L50	@230VAC W	1100	1200	--	--
	@48VDC W	100	--	1390	1390
Current consumption - L35L35	@230VAC A	5.5	5.3	--	--
	@48VDC A	2.4	--	29	29
Start-up current	@230VAC A	20	20	--	--
Internal operating temp..	min/ max °C	+25 / +45	+25 / +45	+25 / +45	+25 / +45
External operating temp.	min/ max °C	-20 / +60	-20 / +60	-20 / +60	-20 / +60
Internal circuit protection degree	CE IP	54	54	54	54
External sound pressure	dB(A)	60	60	69	69
Height (A)	mm	1200	1200	1200	955
Width (B)	mm	417	417	417	417
Depth (C)	mm	300	300	300	300
Weigth	kg	63	63	61	58

## Optional Predator PRT

CODE	Free Cooling	Emergency Ventilation	Electrical Heating
PRT10FA3201000	•	--	--
PRT10HA3201000	•	•	RSC0.6 / RSC1.0
PRT14FA3201000	•	--	--
PRT14HA3201000	•	•	RSC0.6 / RSC1.0
PRT20FA3201000	•	--	--
PRT20HA3201000	•	•	RSC0.6 / RSC1.0
PRT200D3121000	--	--	--
PRT20FD3121000	•	--	--

## Accessories Predator PRT

CODE	Keypad	Flush and Semi-flush mounting frame
PRT10FA3201000	ACTKPDC1010HNL	ACTBSFPRT01FC
PRT10HA3201000	ACTKPDC1010HNL	ACTBSFPRT01FC
PRT14FA3201000	ACTKPDC1010HNL	ACTBSFPRT01FC
PRT14HA3201000	ACTKPDC1010HNL	ACTBSFPRT01FC
PRT20FA3201000	ACTKPDC1010HNL	ACTBSFPRT01FC
PRT20HA3201000	ACTKPDC1010HNL	ACTBSFPRT01FC
PRT200D3121000	ACTKPDC1010HNL	ACTBSFPRT01
PRT20FD3121000	ACTKPDC1010HNL	ACTBSFPRT01FC