

Thermal Management

Vortex Range

High Temperature vortex cooler | HT

IP 66 | TYPE 4X



Description:

Compact and reliable way to cool enclosures. It produces cold air from compressed air, with no moving parts. The easy mounting through a standard electrical knockout makes this solution specially suitable to be installed even when the enclosures are already in the field. Vortex coolers HT provide a 48°C temperature drop from supply air temperature when the inlet pressure is 7 bar (elevated inlet temperature will produce a rise in cold air temperature and reduction in cooling capacity, low air pressures will also reduce the cooling capacity). For a continuous Vortex operating, relative humidity inside the enclosure is maintained at approximately 45%, no moisture condenses inside the enclosure (the enclosure must be sealed). Suitable even for ambient temperatures up to 93°C, the internal components can withstand these high temperatures. It includes a silencer to minimize the noise. The coolers must be installed vertically to maintain the protection degree.

Material:

Internal vortex tube manufactured in stainless steel. External cover, BP TYPE 12 in plastic and aluminium, BP TYPE 4 in aluminium, and TYPE 4X in stainless steel.

Protection:

Depending on type, up to IP 66 | TYPE 4X.

Approvals:

CE, cULus_Listed.

Pack quantity:

Vortex cooler with mounting accessories.



IP 66 | TYPE 4X

IP 66 | TYPE 4, Aluminium

H	Cooling Capacity (W)	Air flow (l/ min)	Noise (dB)	Silencer included	Low pressure relief valve	Instalation cut-out diam. (mm)	Air inlet	Item no.
184	293	425	73	Yes	Yes	48	1/4"	HT4615
184	586	850	74	Yes	Yes	48	1/4"	HT4630
184	820	1133	78	Yes	Yes	48	1/4"	HT4640

IP 66 | TYPE 4X, Stainless steel

H	Cooling Capacity (W)	Air flow (l/ min)	Noise (dB)	Silencer included	Low pressure relief valve	Instalation cut-out diam. (mm)	Air inlet	Item no.
184	293	425	73	Yes	Yes	48	1/4"	HT4615SS
184	586	850	74	Yes	Yes	48	1/4"	HT4630SS
184	820	1133	78	Yes	Yes	48	1/4"	HT4640SS

Dimensional drawing | HT

