

Peltier Cooling units

100–500 W

PTM 100 / PTM 150 / PTM 500



Peltier cooling unit product line for use in sensitive areas, circuitry and small control cabinets.

- ideal for the cooling of operating and control elements
- particularly suitable for support arm systems
- vibration-free, also usable for precision processes
- pinpoint cooling of hotspots

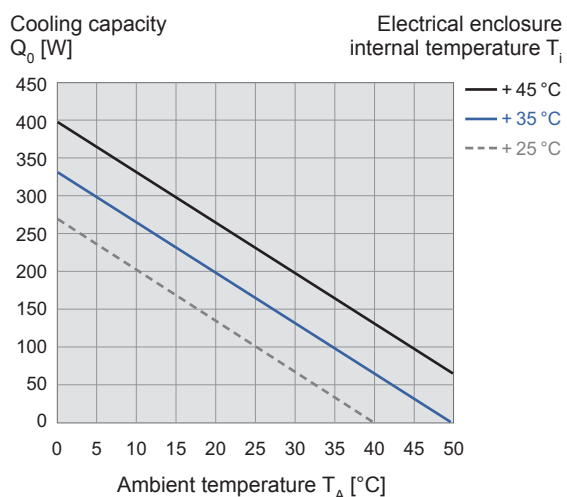
Data		PTM 100	PTM 150	PTM 500		Unit
Article number	horizontal	15310080055	15315080055	15350010055	15350080055	
	vertical	15310180055	15315180055	15350110055	15350180055	
AC 50 / 60 Hz / DC						
Rated voltage ± 10 %		24 DC	24 DC	230 AC	24 DC	V
Cooling performance according to EN 14511	L35/L35	100	150	500		W
Power consumption	L35/L35	102	240	888	552	
Current consumption	L35/L35	4.25	10	5.97	26	A
Unimpeded airflow (free flow)	internal	76	114	870		m³/h
	external	156	234	870		
Pre fuse T		6	16	10	30	A
Type of connection	DC	connection via terminal strip, max. 2.5 mm² / AWG 16				
	AC	main plug				
Sensor cable length		1200		1000		mm
Noise level (according to EN ISO 3741)		47		55		dB (A)
Weight (without packaging)		6.7	9.16	36.2		kg
Ambient temperature range		- 40 ... + 50 / - 40 ... + 122				°C / °F
Control range (adjustable)		+ 0 ... + 50 / + 32 ... + 122				
Duty cycle		100%				
Condensate management		condensate drain				
Protection system according to EN 60529	IP 54	towards the electrical enclosure if used as intended by the manufacturer				
	IP 24	towards the surroundings if used as intended by the manufacturer				
Design	housing	galvanised sheet steel				
	cover	galvanised/electrostatically powder coated (200 °C)				
Installation location		H - horizontal / V - vertical				
Colour (cover)		RAL 7035, different colours available on request				
Accessories	Piece	Article number			Information on page	
External condensate evaporation system	1	18314000001			64	
Condensate bottle	1	18314000100			64	

Approvals see page 19

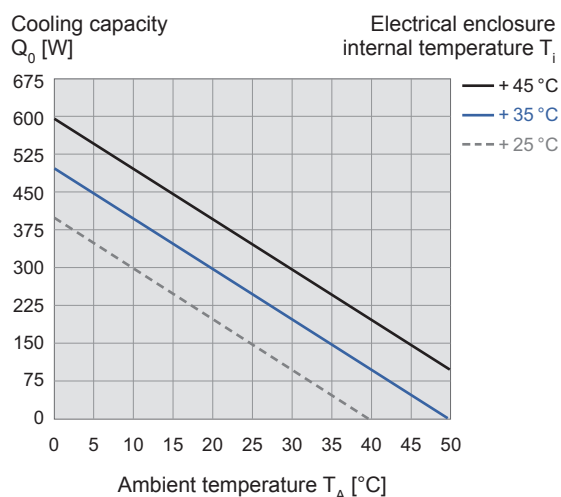
For additional information to ensure the accurate setting of the motor protection switch, please see technical specific data sheet. This information is included with the delivery of the unit or can be found at www.pfannenber.com.

Cooling capacity performance curves

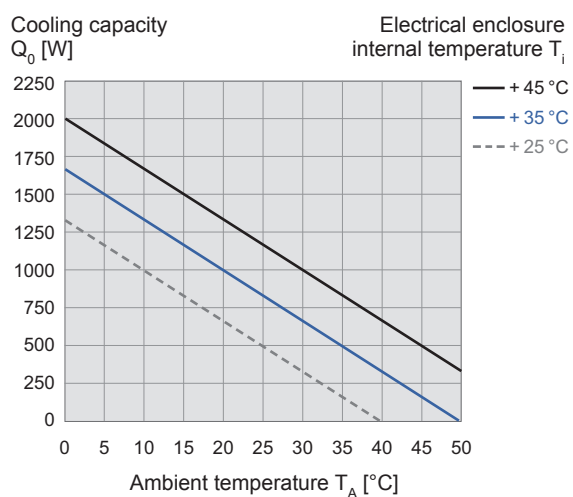
PTM 100



PTM 150



PTM 500



Dimensions

mm	PTM 100	PTM 150	PTM 500
X	181	181	338
Y	367	495	981
Z1	151	151	113
Z2	75	75	107

