



SERIES: CP60 | DESCRIPTION: PELTIER MODULE

FEATURES

- solid state device
- precise temperature control
- quiet operation



MODEL

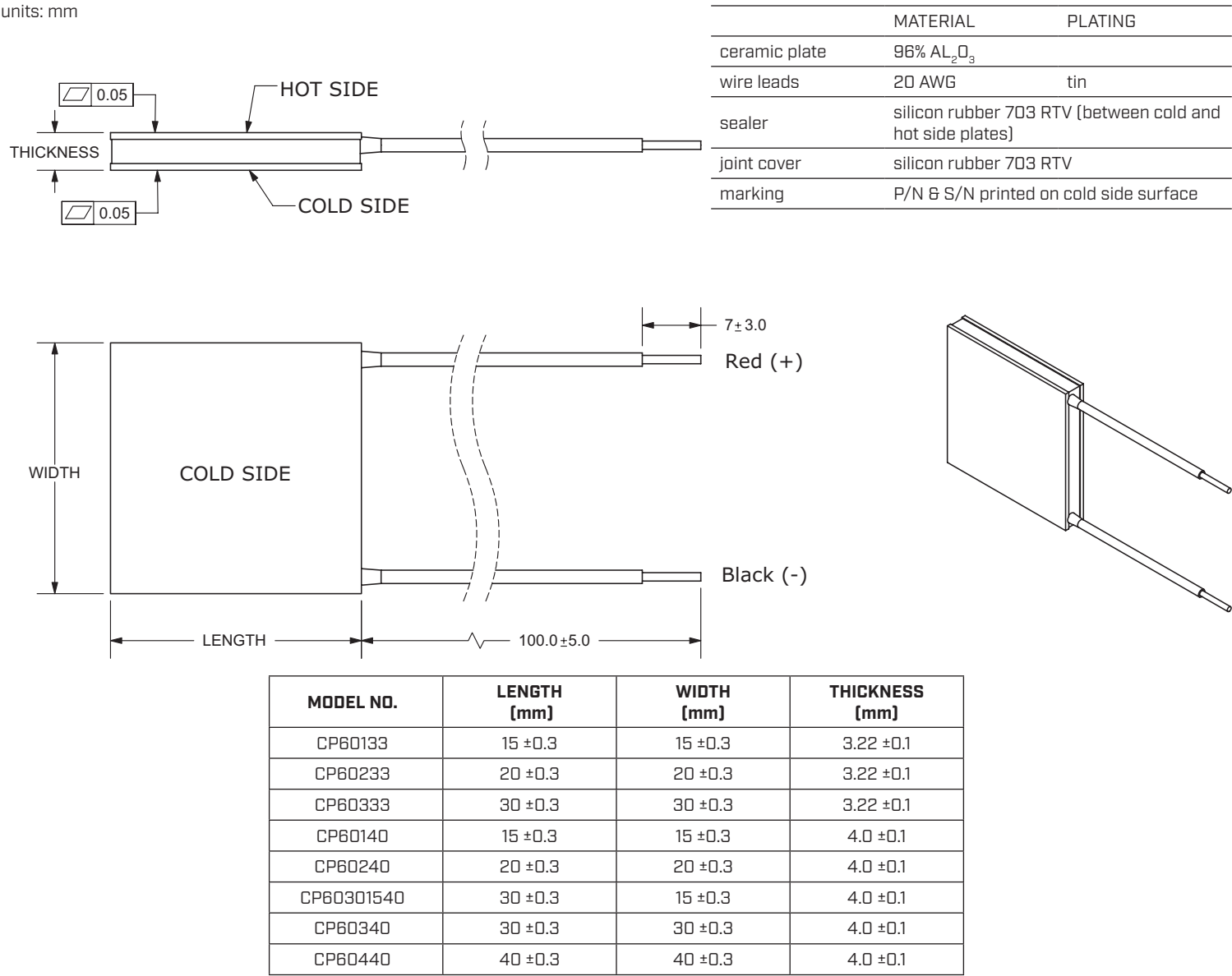
	input voltage ¹ max [Vdc]	input current ² max [A]	internal resistance ³ typ [Ω±10%]	output Qmax ⁴		output ΔTmax ⁵	
				T _h =27°C [W]	T _h =50°C [W]	T _h =27°C [°C]	T _h =50°C [°C]
CP60133	3.8	6.0	0.51	12.2	13.6	66	72
CP60233	8.6	6.0	1.20	27.9	31.2	66	72
CP60333	15.4	6.0	2.20	50.5	56.5	66	72
CP60140	2.1	6.0	0.29	7.1	7.9	68	75
CP60240	3.8	6.0	0.53	13.0	14.5	68	75
CP60301540	4.2	6.0	0.57	14.5	16.1	68	75
CP60340	8.6	6.0	1.21	29.0	32.4	68	75
CP60440	15.4	6.0	2.17	53.0	59.3	68	75

Notes: 1. Maximum voltage at ΔT max and T_h=27°C
2. Maximum current to achieve ΔT max
3. Measured by AC 4-terminal method at 25°C
4. Maximum heat absorbed at cold side occurs at I_{max}, V_{max}, and ΔT=0°C
5. Maximum temperature difference occurs at I_{max}, V_{max}, and Q=0W (ΔT max measured in a vacuum at 1.3 Pa)

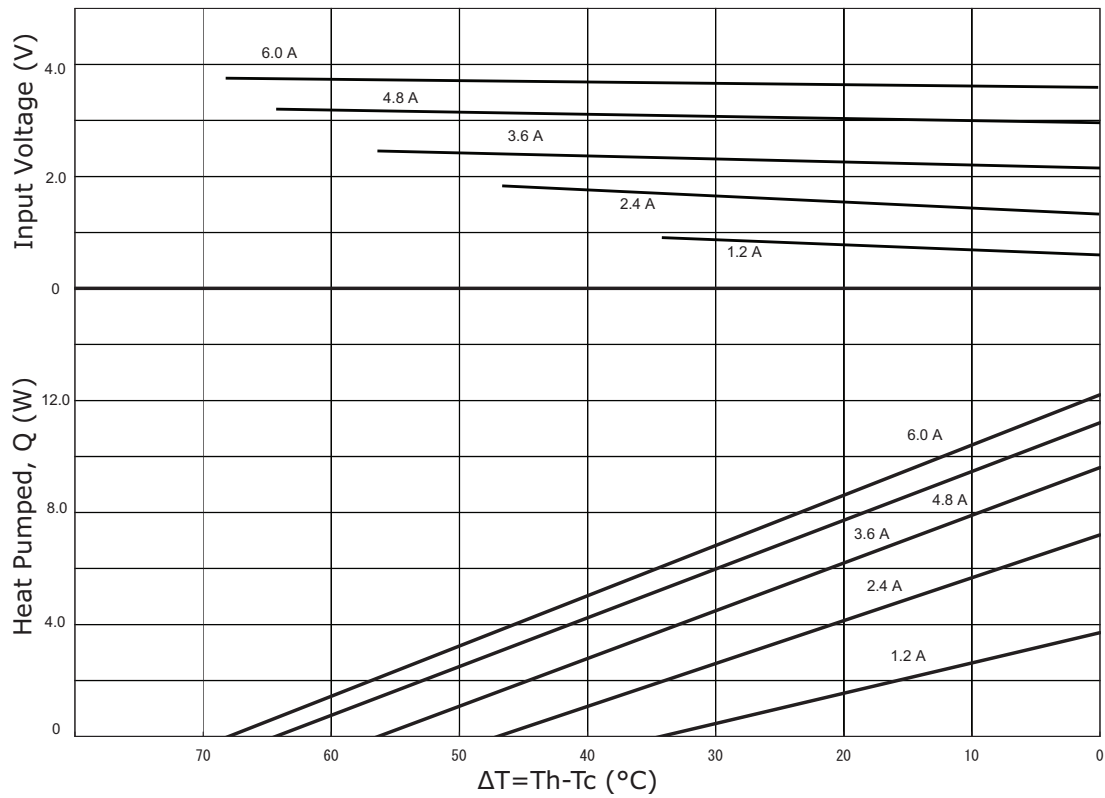
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
solder melting temperature	connection between thermoelectric pairs	235			°C
	CP60133, CP60233, CP60333, CP60301540	138			°C
assembly compression				1	MPa
hot side plate				80	°C
RoHS	yes				

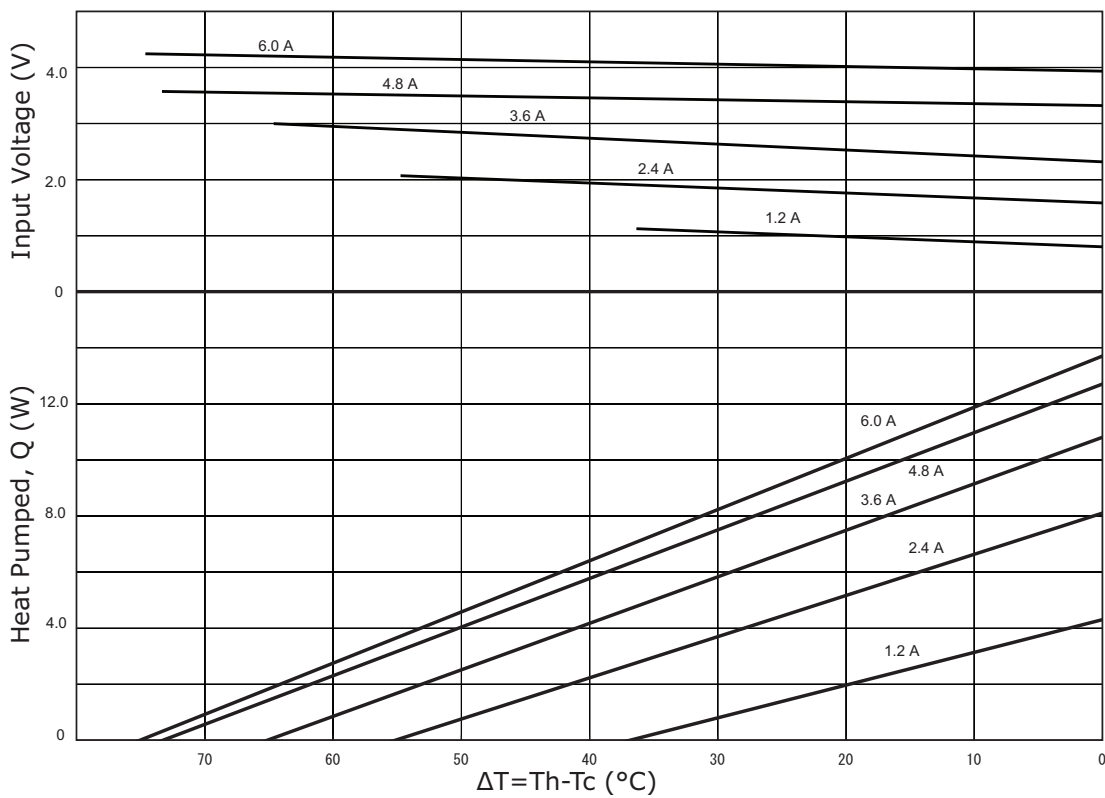
MECHANICAL DRAWING



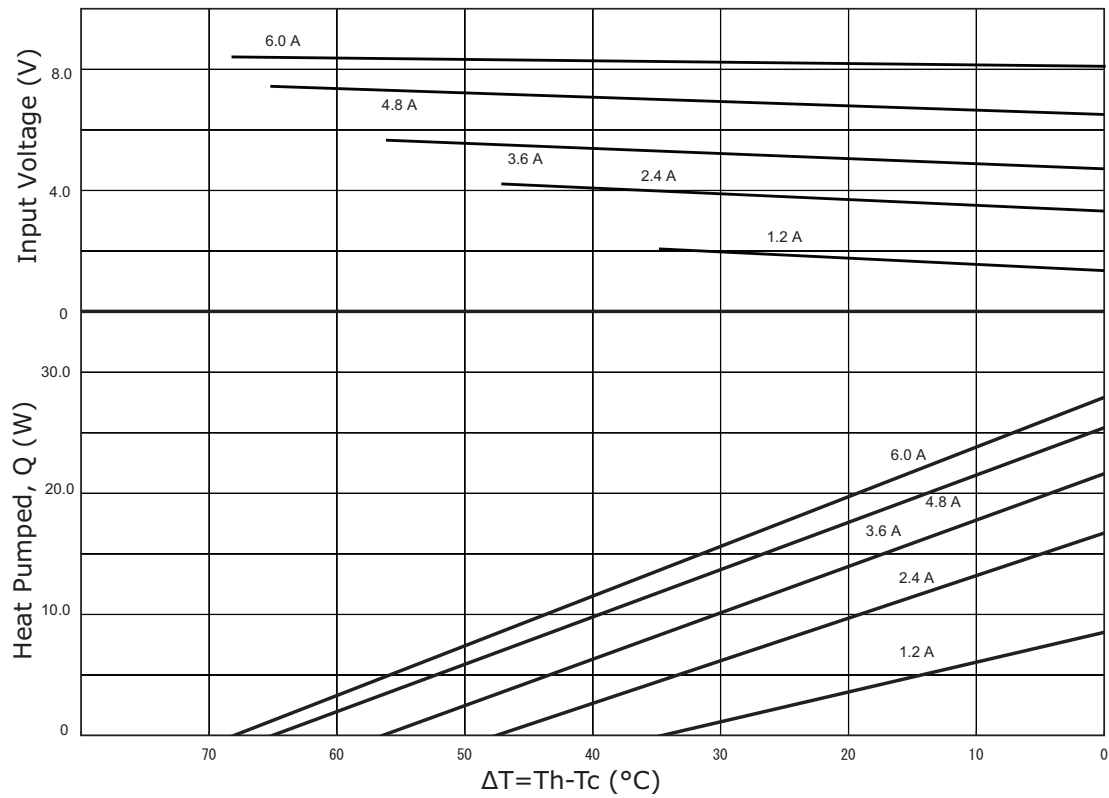
CP60133 PERFORMANCE (Th=27°C)



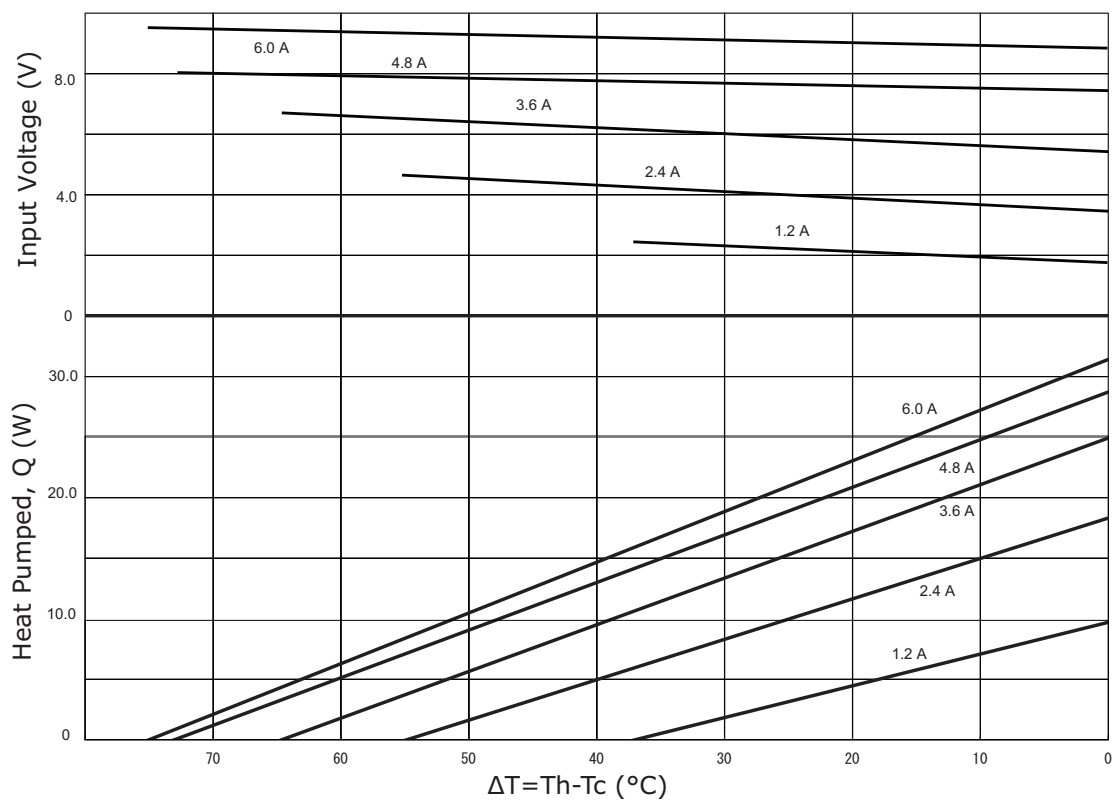
CP60133 PERFORMANCE (Th=50°C)



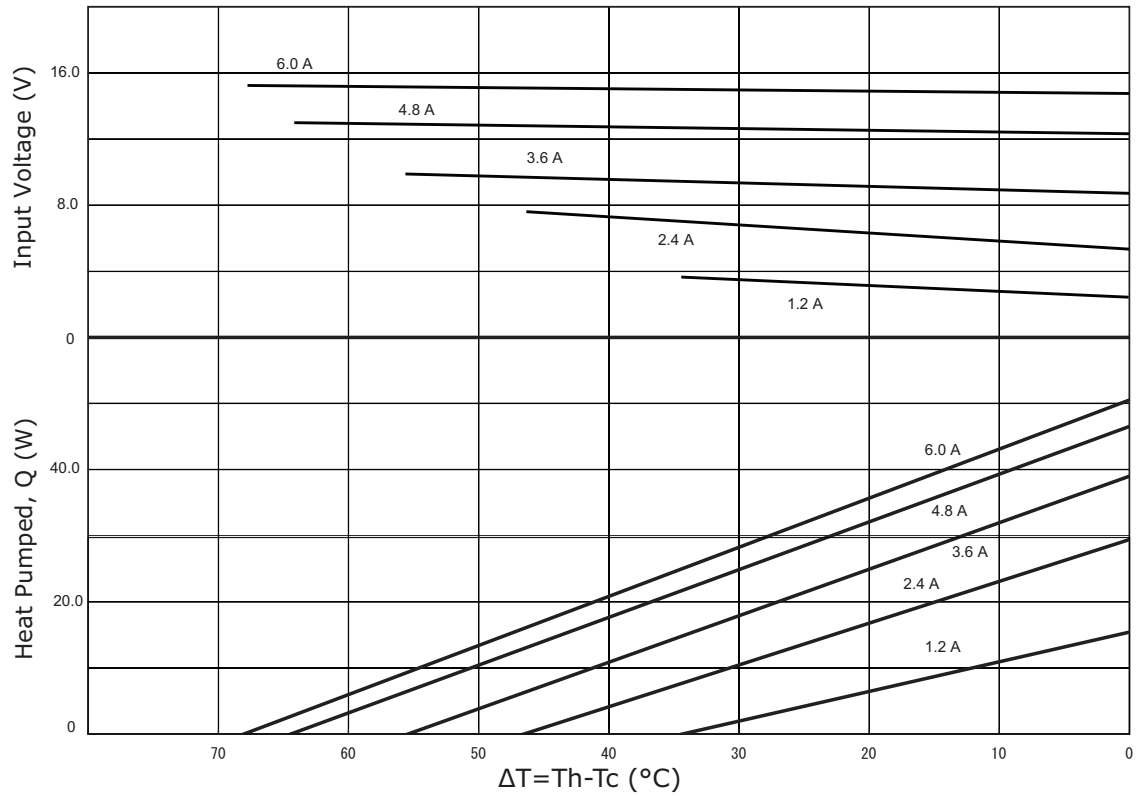
CP60233 PERFORMANCE (Th=27°C)



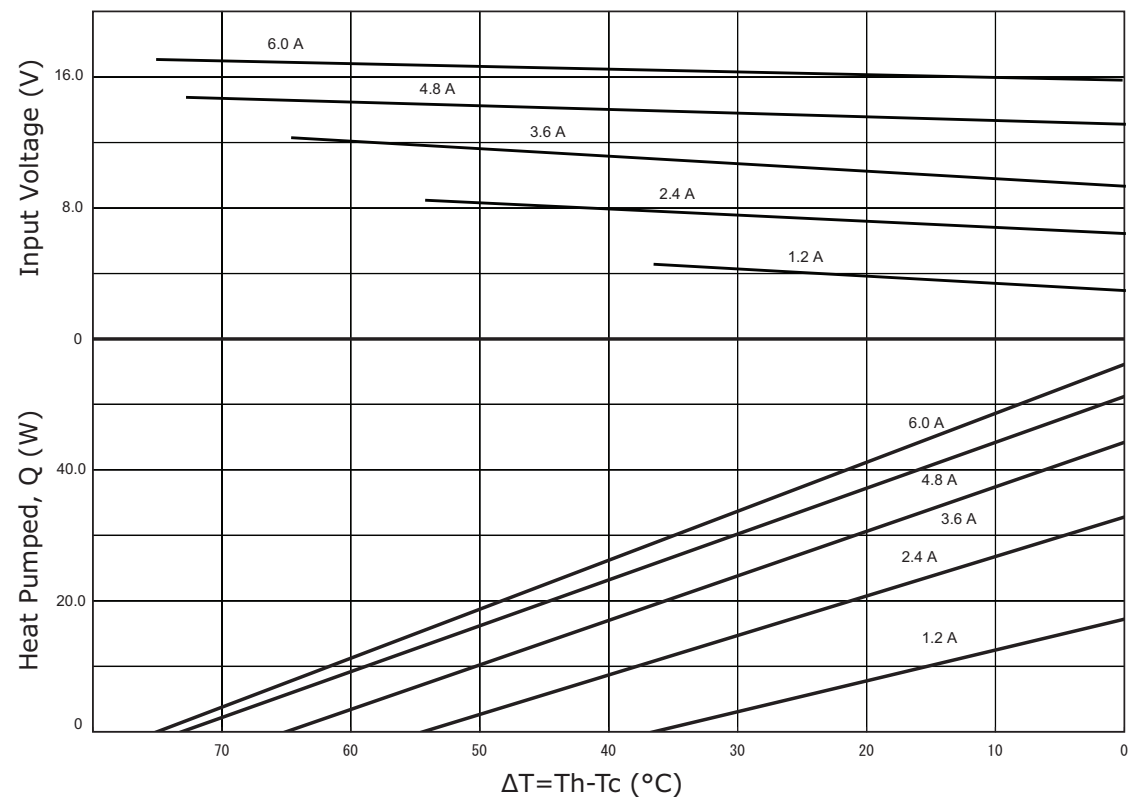
CP60233 PERFORMANCE (Th=50°C)



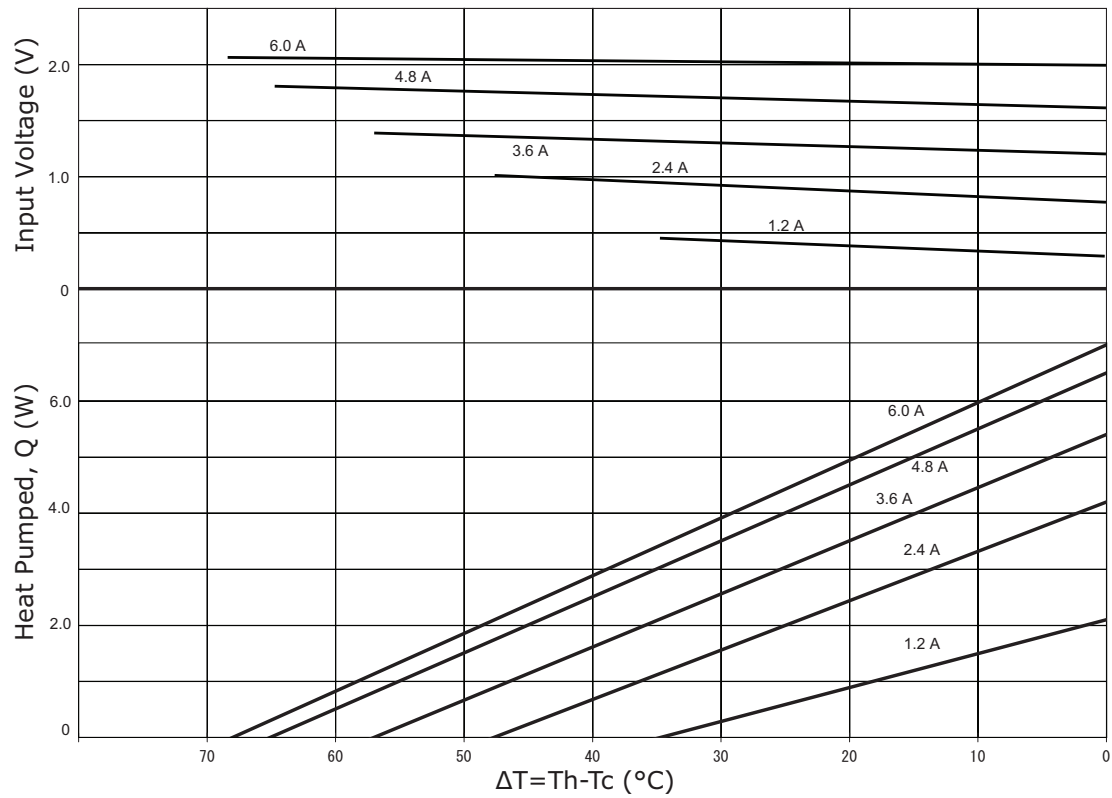
CP60333 PERFORMANCE (Th=27°C)



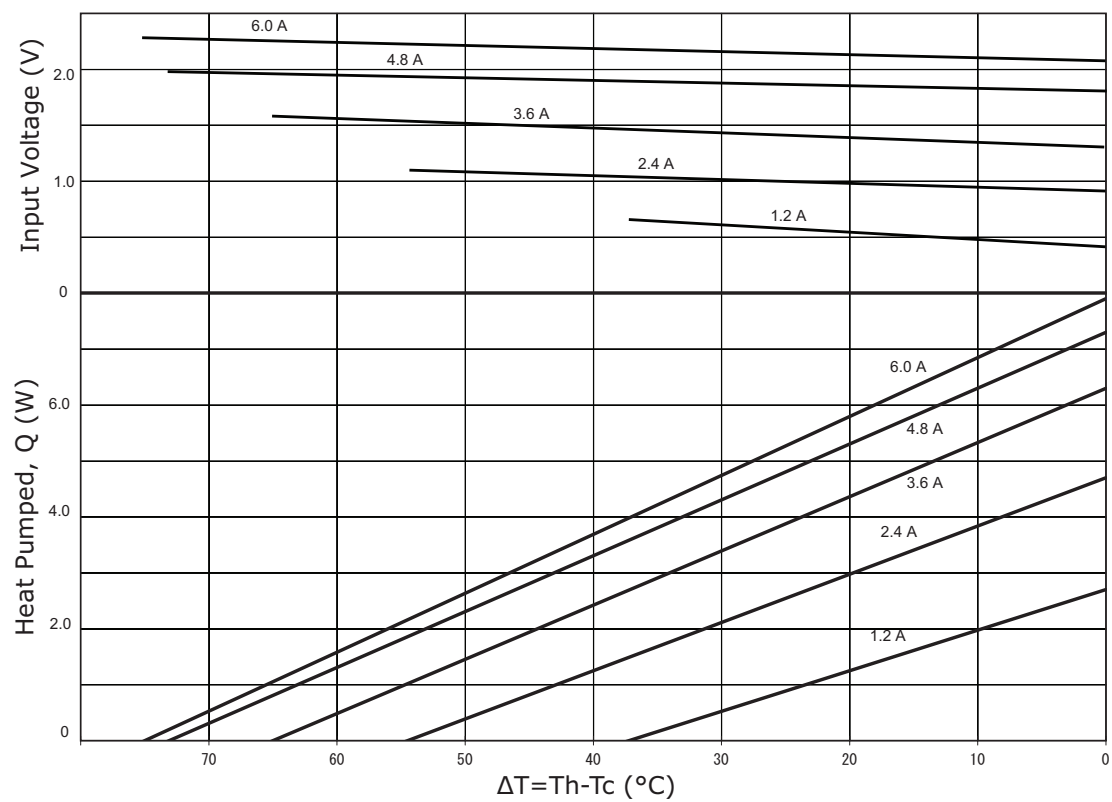
CP60333 PERFORMANCE (Th=50°C)



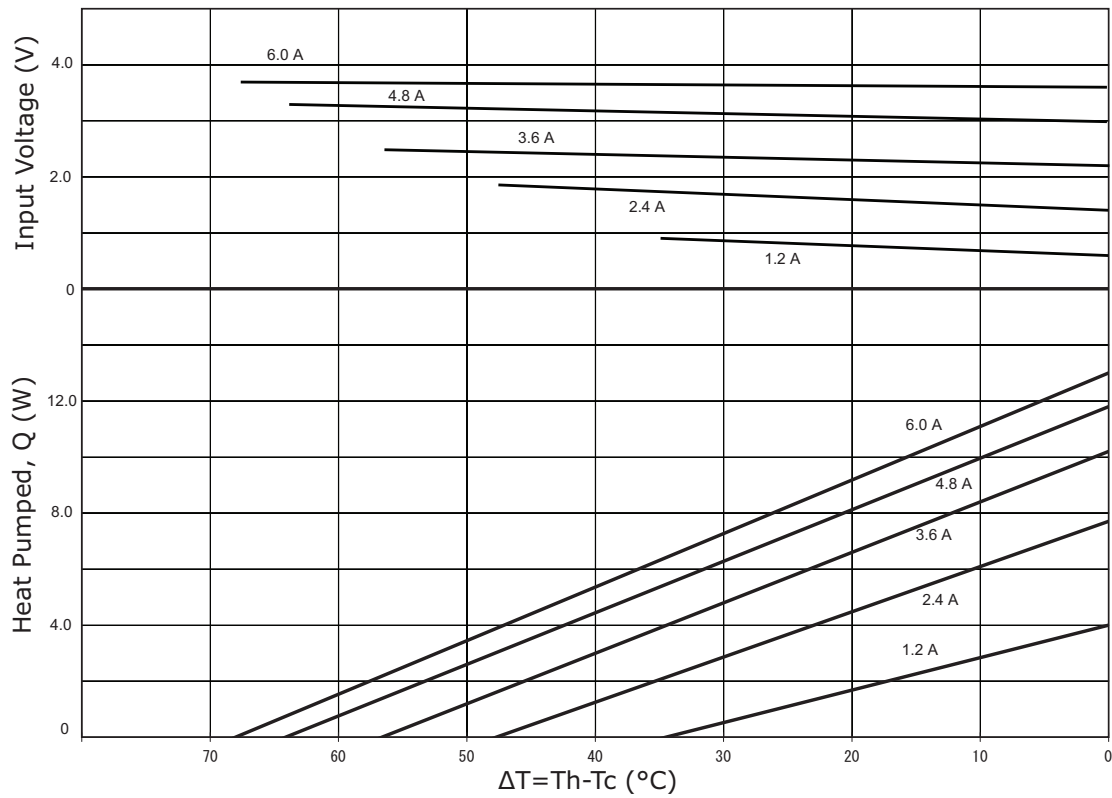
CP60140 PERFORMANCE (Th=27°C)



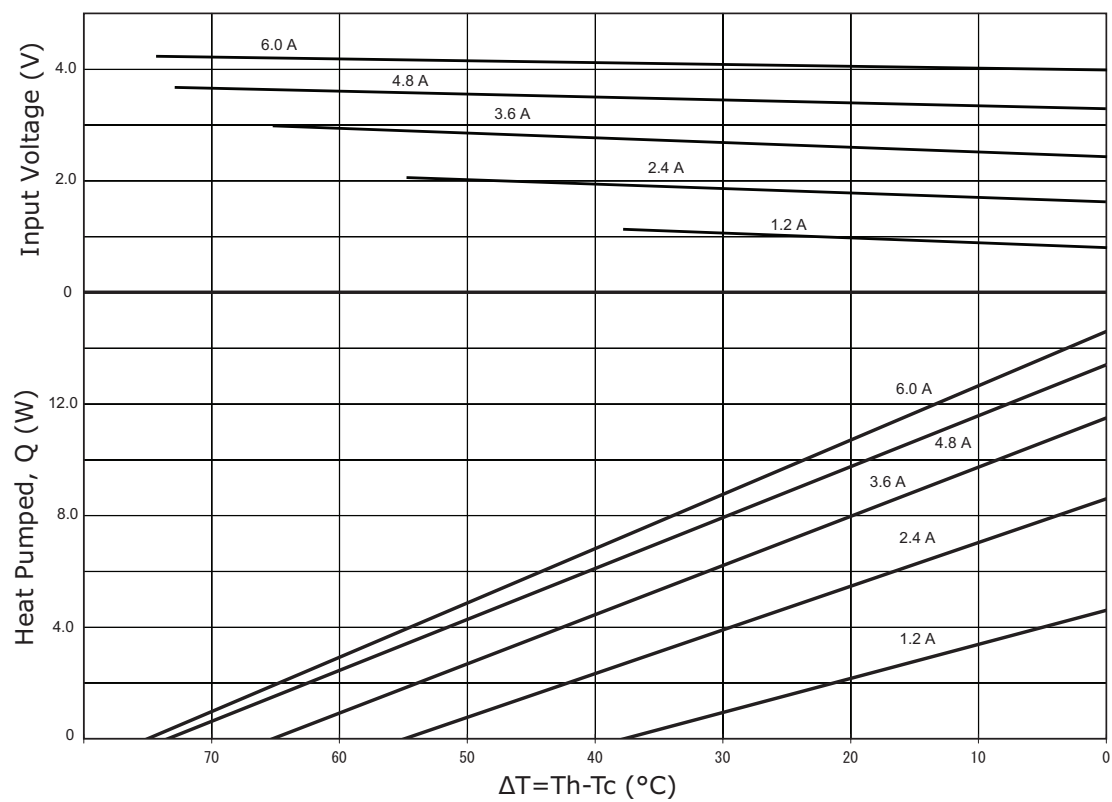
CP60140 PERFORMANCE (Th=50°C)



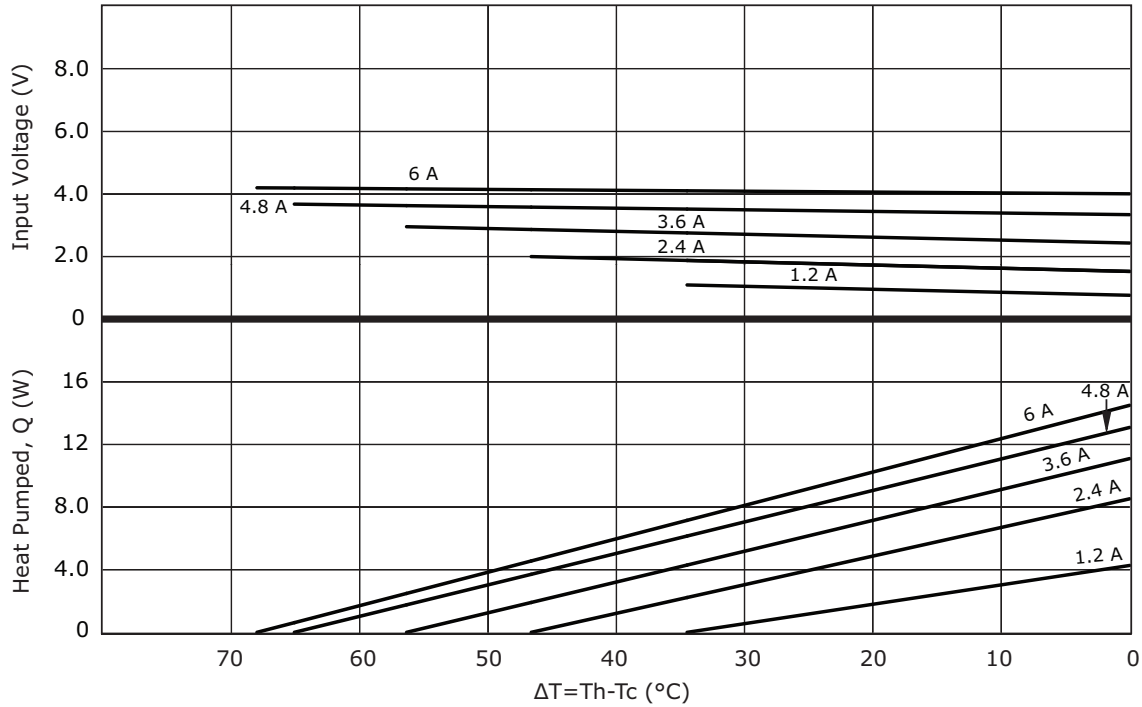
CP60240 PERFORMANCE (Th=27°C)



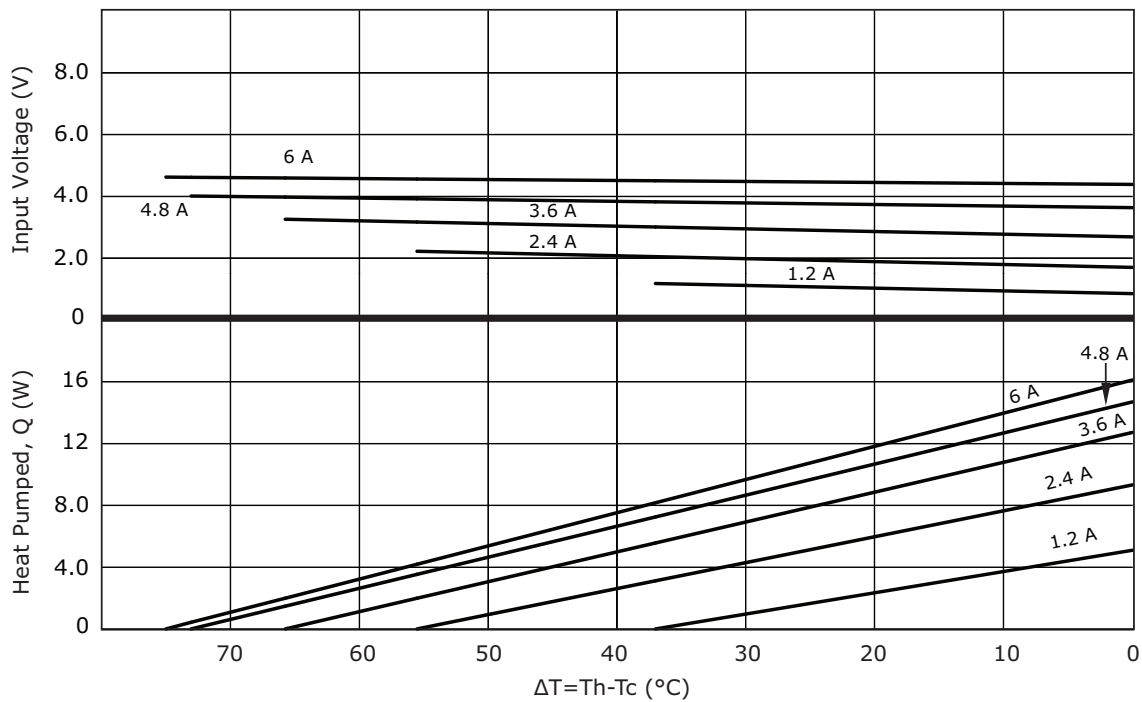
CP60240 PERFORMANCE (Th=50°C)



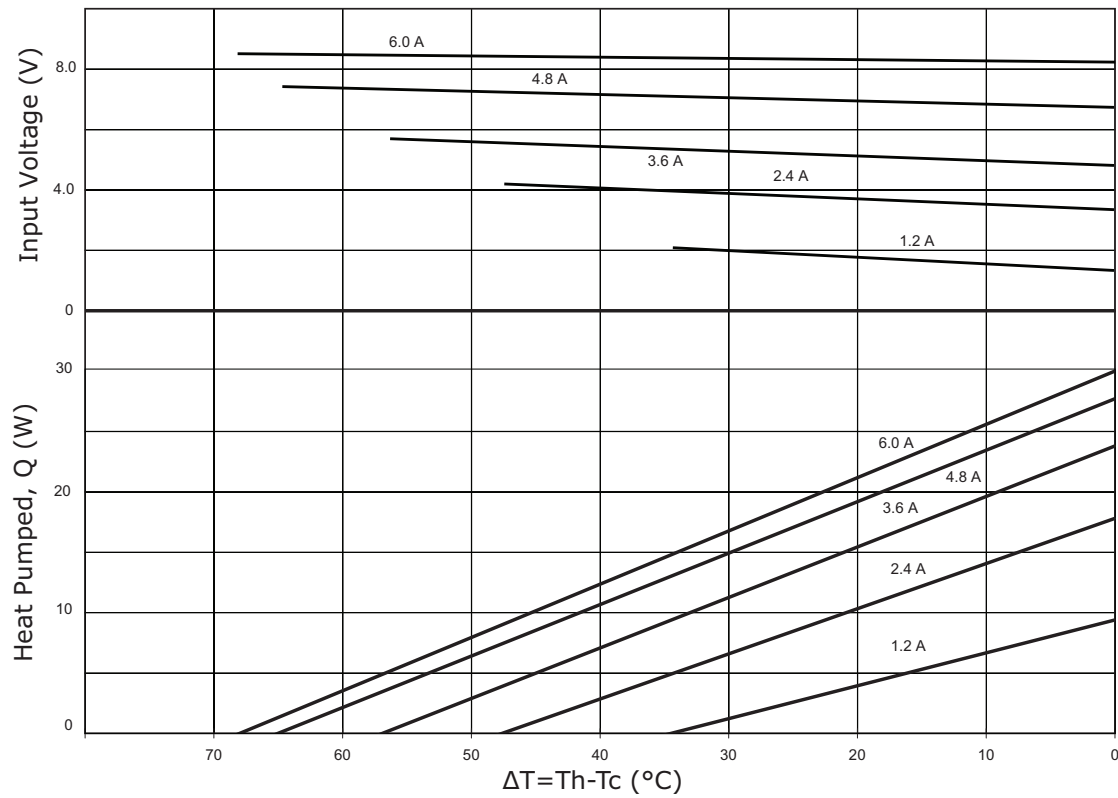
CP60301540 PERFORMANCE (Th=27°C)



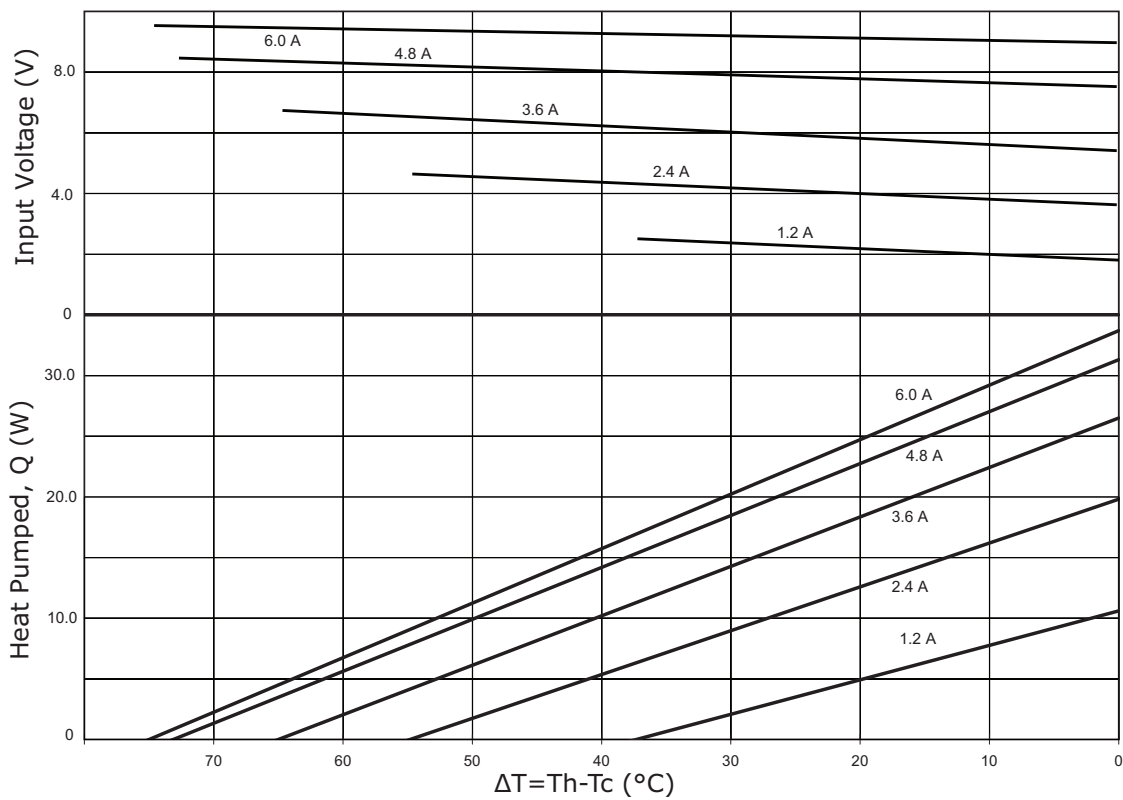
CP60301540 PERFORMANCE (Th=50°C)



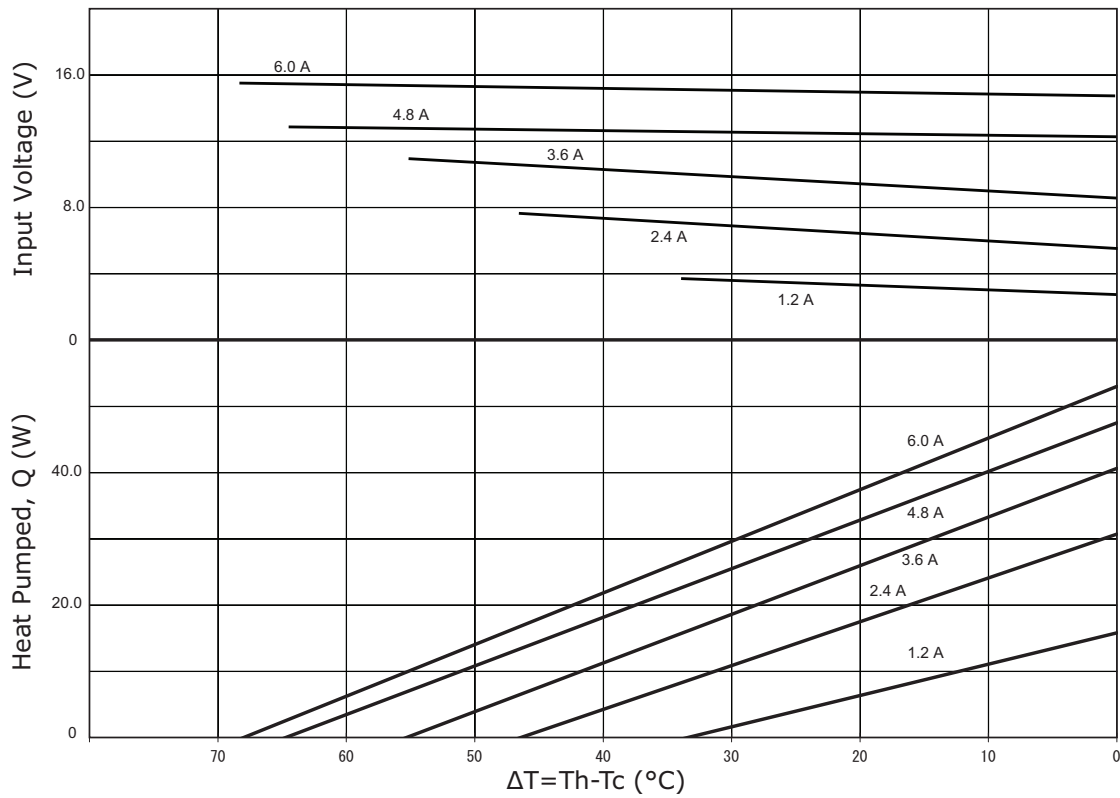
CP60340 PERFORMANCE (Th=27°C)



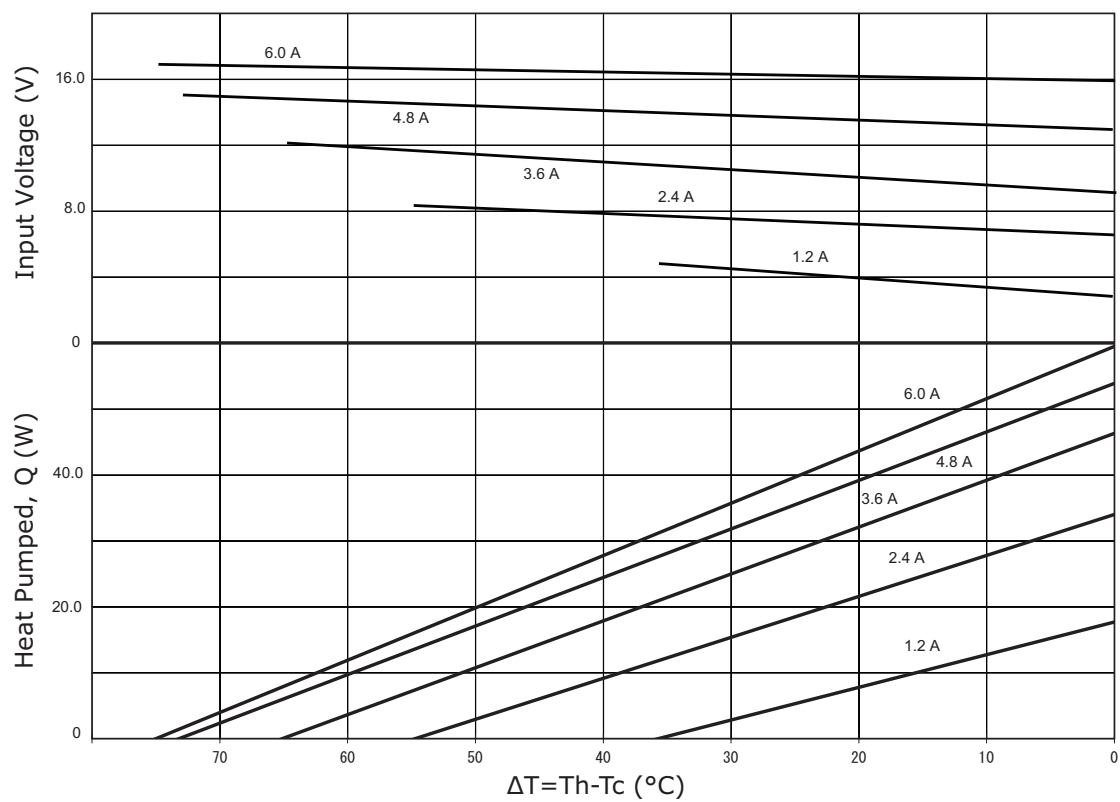
CP60340 PERFORMANCE (Th=50°C)



CP60440 PERFORMANCE (Th=27°C)



CP60440 PERFORMANCE (Th=50°C)



REVISION HISTORY

rev.	description	date
1.0	initial release	09/03/2009
1.01	applied new template	05/08/2012
1.02	added new models	09/09/2016
1.03	changed thickness of CP60133, CP60233, CP60333, CP60301540 models	09/20/2018
1.04	brand update	10/28/2019
1.05	logo, datasheet style update	08/05/2022
1.06	CUI Devices rebranded to Same Sky	09/12/2024

The revision history provided is for informational purposes only and is believed to be accurate.



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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