

VI-200 Family Thermal Curves

Note: Use as a design guide only. Verify final design by actual temperature measurement.

Legend: ■—FREE AIR □—200 LFM ◆—400 LFM ◇—600 LFM ▲—800 LFM △—1000 LFM

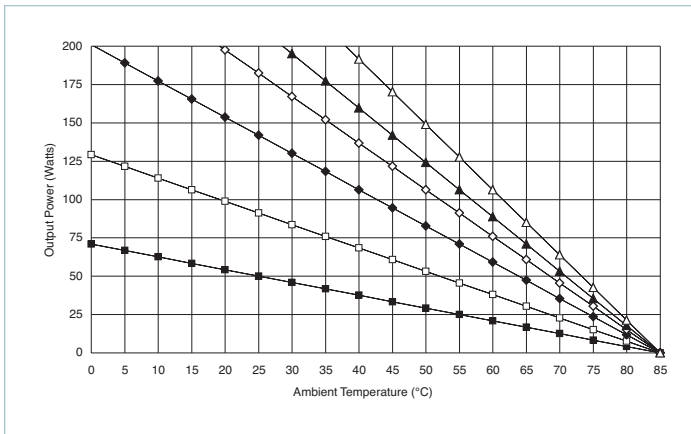


Figure 21.1 — VI-200 family baseplate-to-air (no heat sink) 5V output

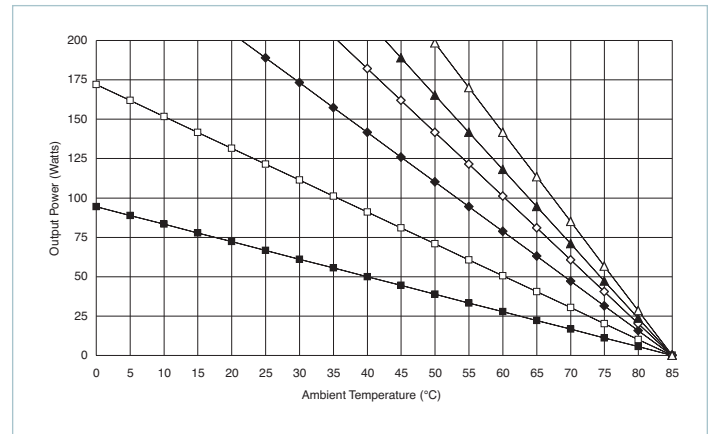


Figure 21.2 — VI-200 family baseplate-to-air (no heat sink) 12 – 48V output

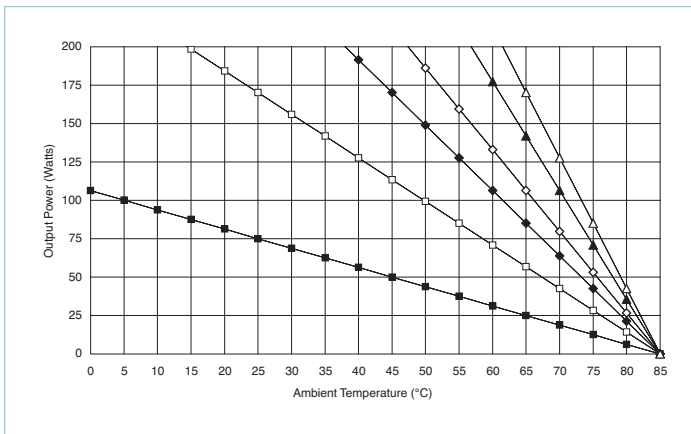


Figure 21.3 — VI-200 family, part #30089 heat sink 5V output

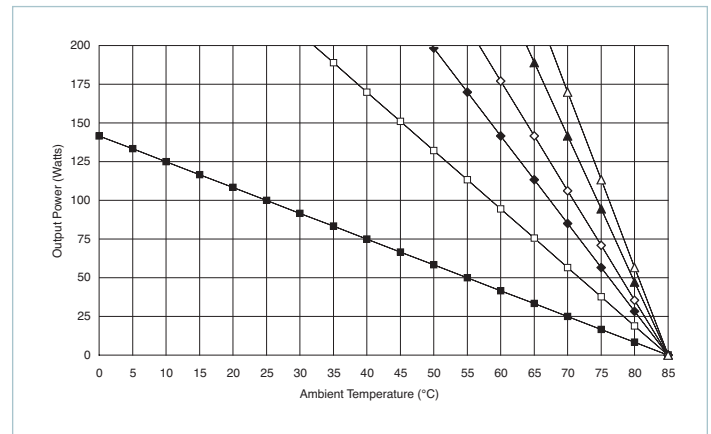


Figure 21.4 — VI-200 family, part #30089 heat sink 12 – 48V output

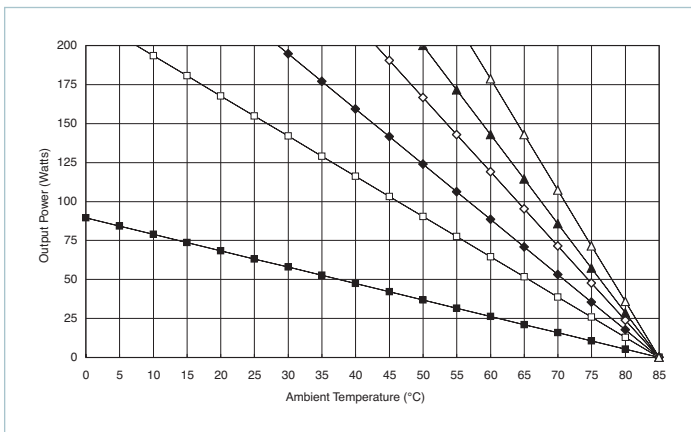


Figure 21.5 — VI-200 family, part #30194 heat sink 5V output

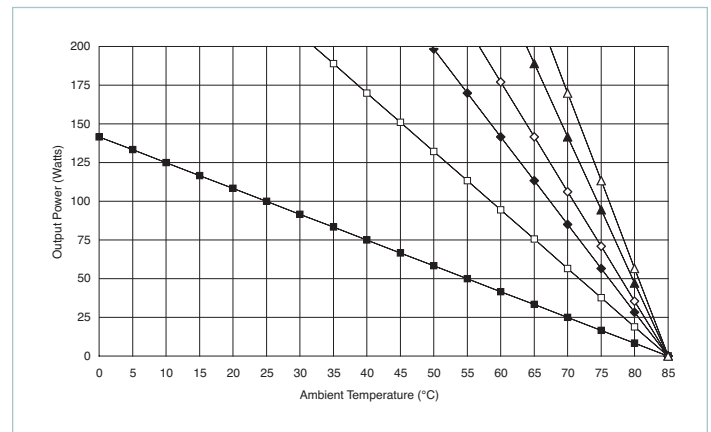


Figure 21.6 — VI-200 family, part #30194 heat sink 12 – 48V output

VI-200 Family Thermal Curves (Cont.)

Note: Use as a design guide only. Verify final design by actual temperature measurement.

Legend: ■ FREE AIR □ 200 LFM ◆ 400 LFM ◇ 600 LFM ▲ 800 LFM △ 1000 LFM

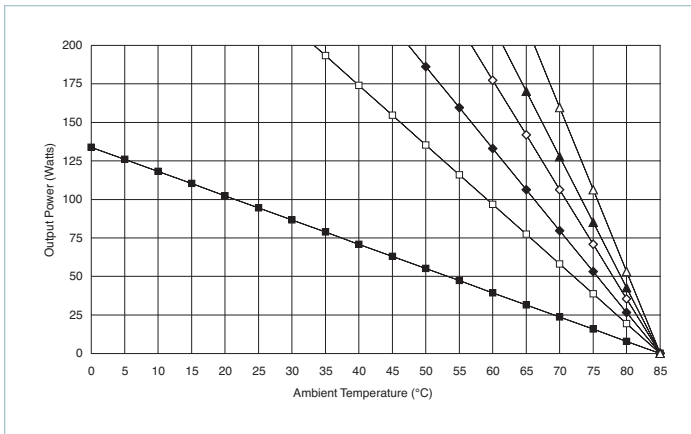


Figure 21.7 — VI-200 family, part #30090 heat sink 5V output

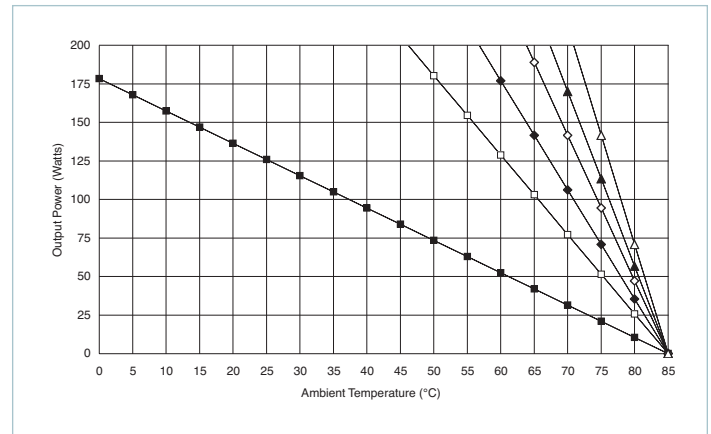


Figure 21.8 — VI-200 family, part #30090 heat sink 12 – 48V output

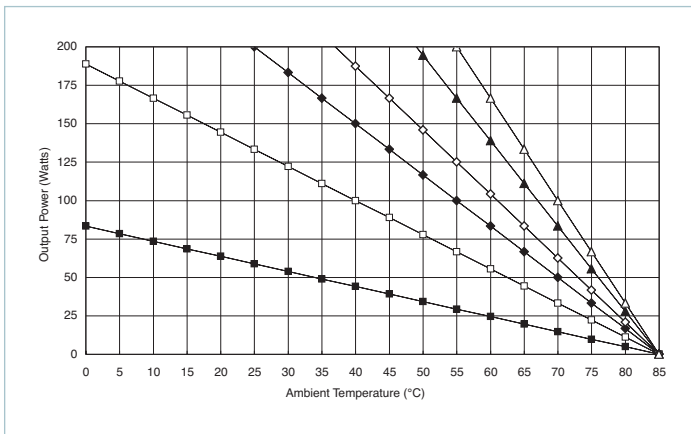


Figure 21.9 — VI-200 family, part #30775 heat sink 5V output

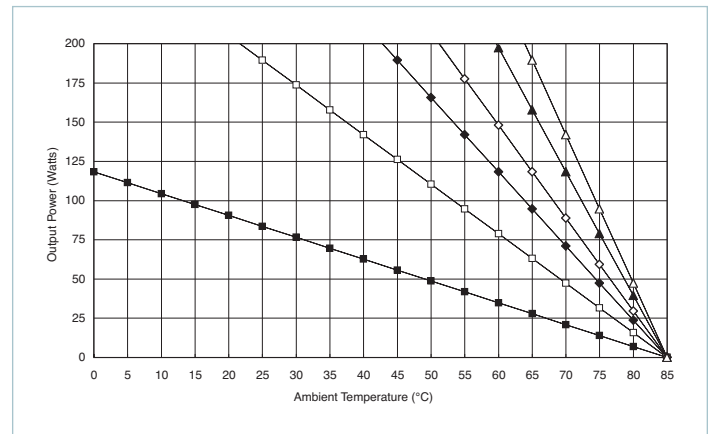


Figure 21.10 — VI-200 family, part #30775 heat sink 12 – 48V output

VI-J00 Family Thermal Curves

Note: Use as a design guide only. Verify final design by actual temperature measurement.

Legend: ■— FREE AIR, H □— FREE AIR, V ◆— 200 LFM ◇— 400 LFM ▲— 600 LFM △— 800 LFM ●— 1000 LFM

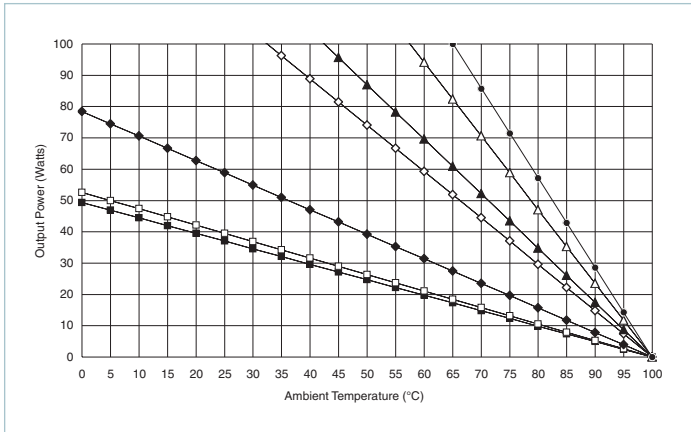


Figure 21.11 — VI-J00 family baseplate-to-air (no heat sink) 5V output

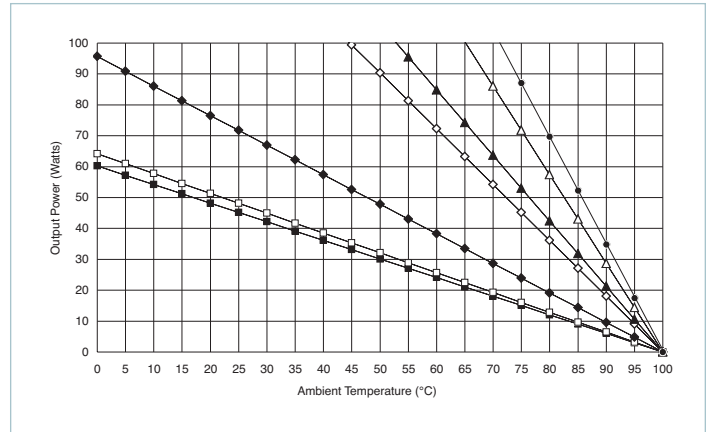


Figure 21.12 — VI-200 family baseplate-to-air (no heat sink) 12 – 48V output

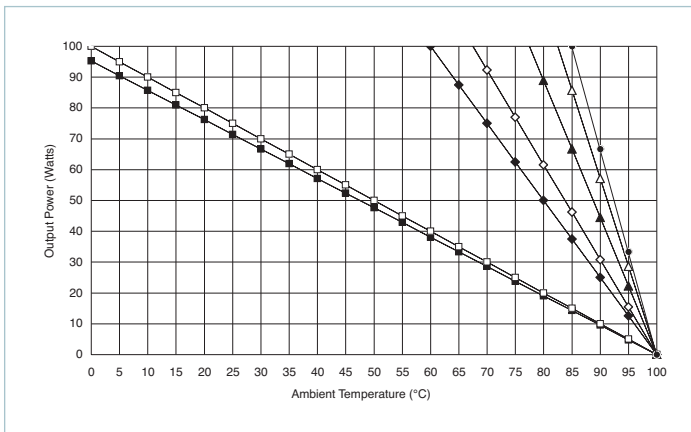


Figure 21.13 — VI-200 family, part #30191 heat sink 5V output

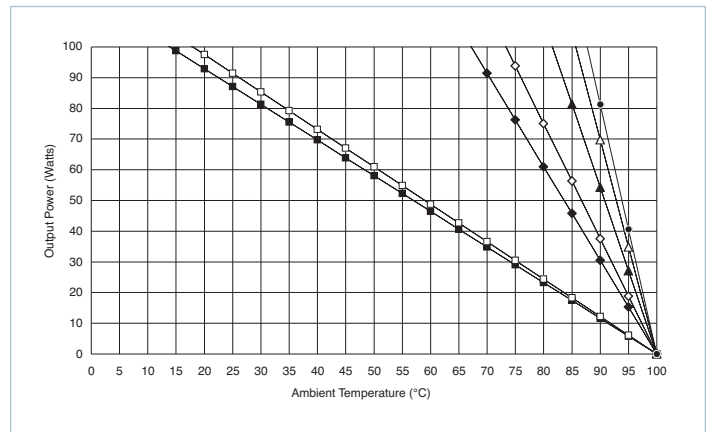


Figure 21.14 — VI-200 family, part #30191 heat sink 12 – 48V output

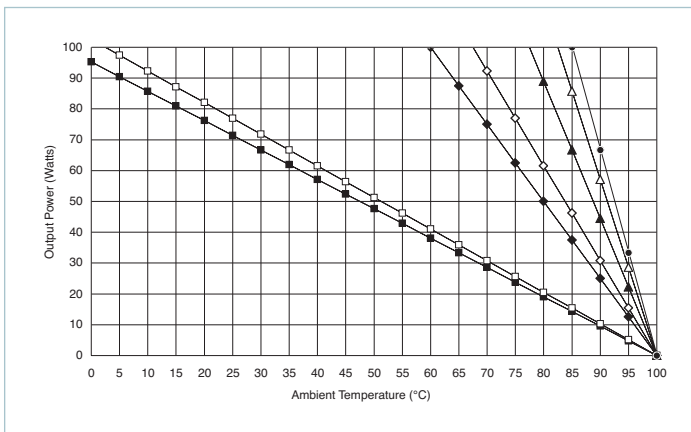


Figure 21.15 — VI-200 family, part #30771 heat sink 5V output

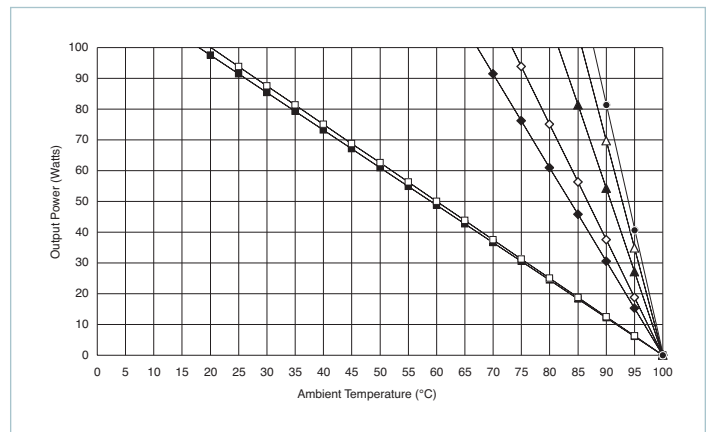


Figure 21.16 — VI-200 family, part #30771 heat sink 12 – 48V output

VI-J00 Family Thermal Curves (Cont.)

Note: Use as a design guide only. Verify final design by actual temperature measurement.

Legend: ■ — FREE AIR, H □ — FREE AIR, V ◆ — 200 LFM ◇ — 400 LFM ▲ — 600 LFM △ — 800 LFM ● — 1000 LFM

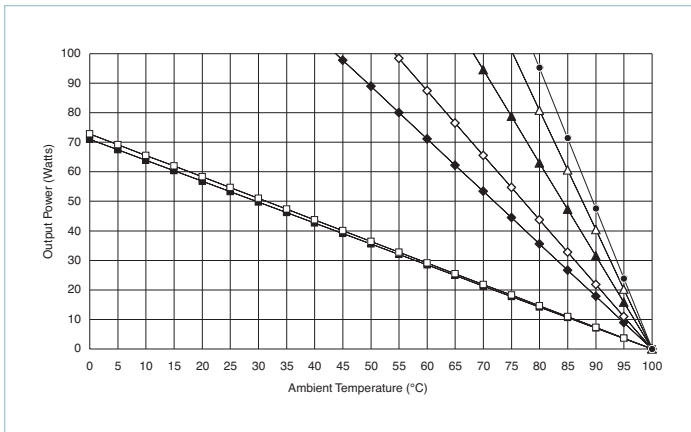


Figure 21.17 — VI-200 family, part #30140 heat sink
5V output

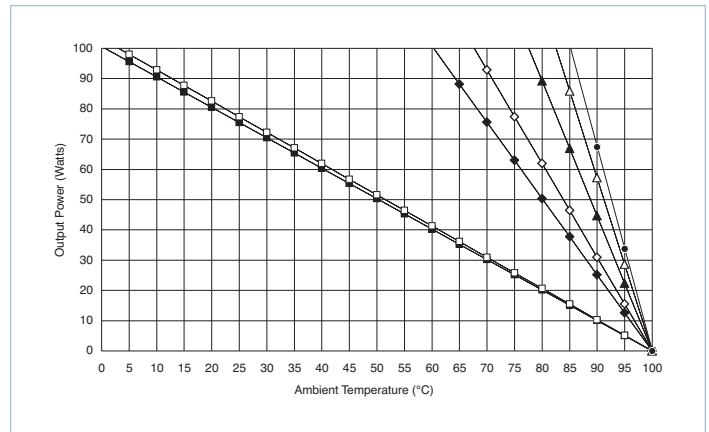


Figure 21.18 — VI-200 family, part #30140 heat sink
12 – 48V output

FinMod™ VI-200 Family Thermal Curves

Note: Use as a design guide only. Verify final design by actual temperature measurement.

Legend: ■— FREE AIR □— 200 LFM ◆— 400 LFM ◇— 600 LFM ▲— 800 LFM △— 1000 LFM

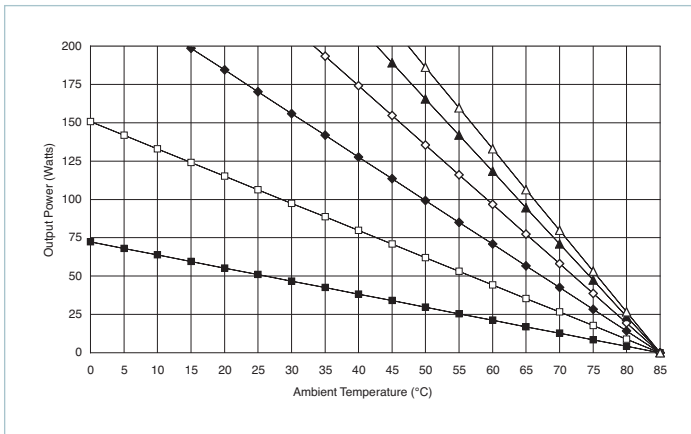


Figure 21.19 — FinMod VI-200 family F1/F3 configuration
5V output

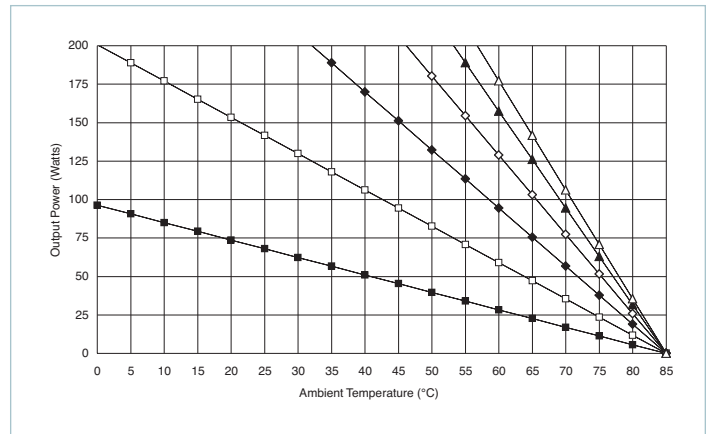


Figure 21.20 — FinMod VI-200 family F1/F3 configuration
12 – 48V output

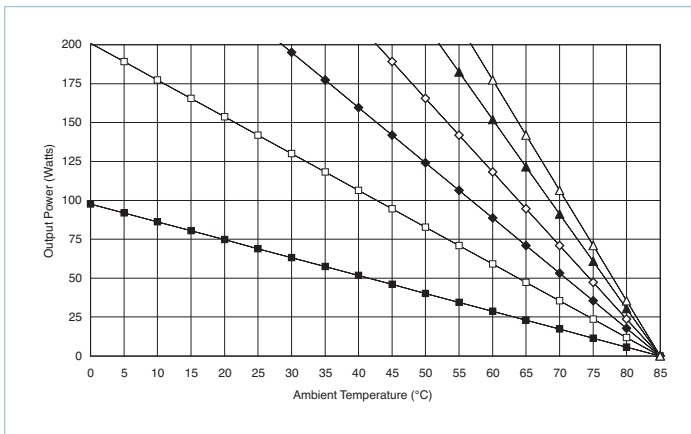


Figure 21.21 — FinMod VI-200 family F2/F4 configuration
5V output

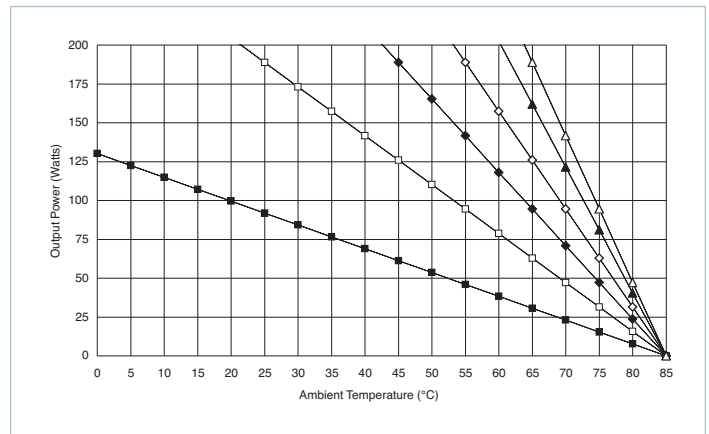


Figure 21.22 — FinMod VI-200 family F2/F4 configuration
12 – 48V output

FinMod™ VI-J00 Family Thermal Curves

Note: Use as a design guide only. Verify final design by actual temperature measurement.

Legend: ■— FREE AIR, H □— FREE AIR, V ◆— 200 LFM ◇— 400 LFM ▲— 600 LFM △— 800 LFM ●— 1000 LFM

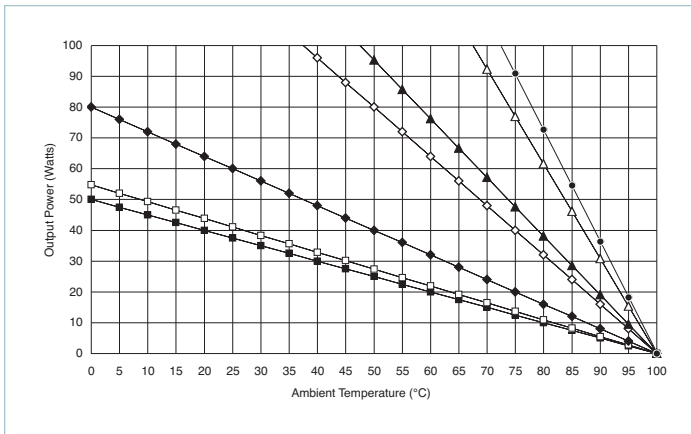


Figure 21.23 — FinMod VI-J00 family F1/F3 configuration 5V output

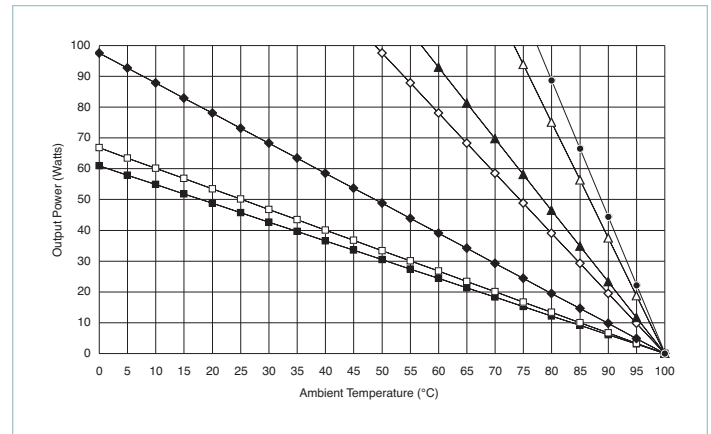


Figure 21.24 — FinMod VI-J00 family F1/F3 configuration 12 – 48V output

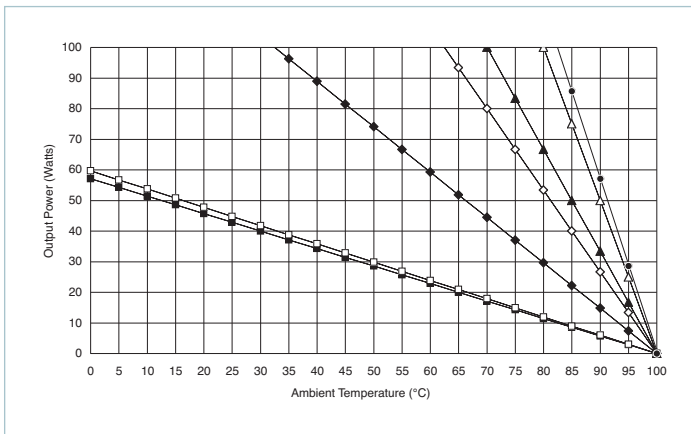


Figure 21.25 — FinMod VI-J00 family F2/F4 configuration 5V output

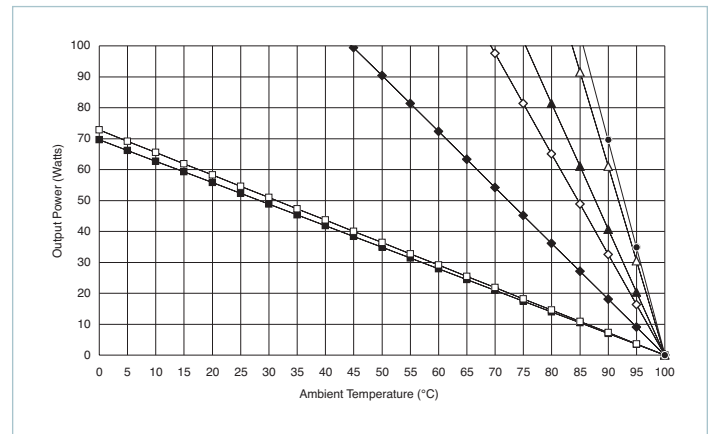


Figure 21.26 — FinMod VI-J00 family F2/F4 configuration 12 – 48V output

SlimMod™ VI-200 Family Thermal Curves

Note: Use as a design guide only. Verify final design by actual temperature measurement.

Legend: ■ FREE AIR □ 200 LFM ◆ 400 LFM ◇ 600 LFM ▲ 800 LFM △ 1000 LFM

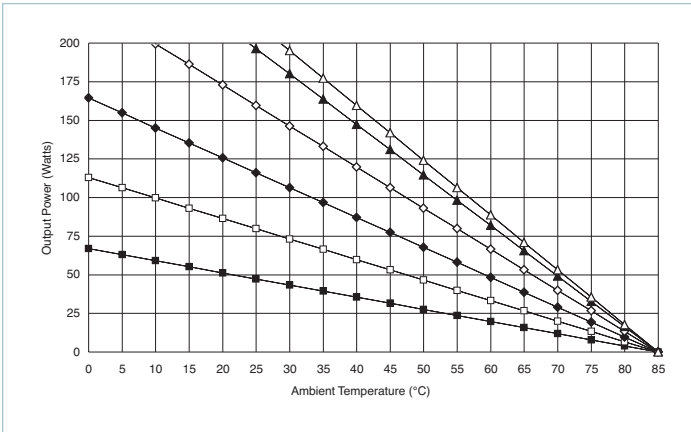


Figure 21.27 — SlimMod VI-200 family 5V output

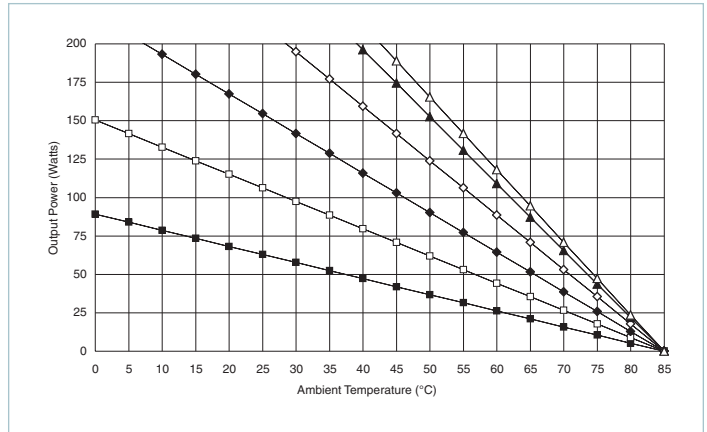


Figure 21.28 — SlimMod VI-200 family 12 – 48V output

SlimMod™ VI-J00 Family Thermal Curves

Note: Use as a design guide only. Verify final design by actual temperature measurement.

Legend: ■ FREE AIR, H □ FREE AIR, V ◆ 200 LFM ◇ 400 LFM ▲ 600 LFM △ 800 LFM ● 1000 LFM

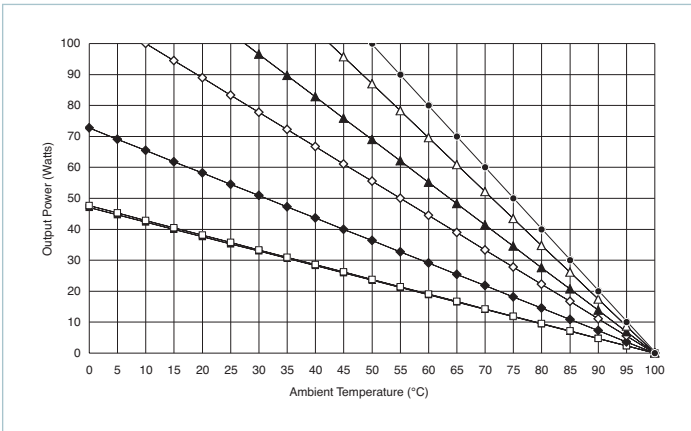


Figure 21.29 — SlimMod VI-J00 family 5V output

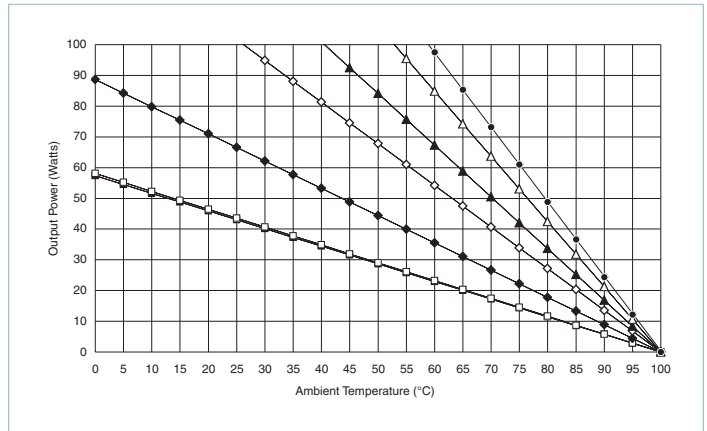


Figure 21.30 — SlimMod VI-J00 family 12 – 48V output

ComPAC™ Family Thermal Curves

Note: Use as a design guide only. Verify final design by actual temperature measurement.

Legend: ■ FREE AIR, H □ FREE AIR, V ◆ 200 LFM ◇ 400 LFM ▲ 600 LFM △ 800 LFM ● 1000 LFM

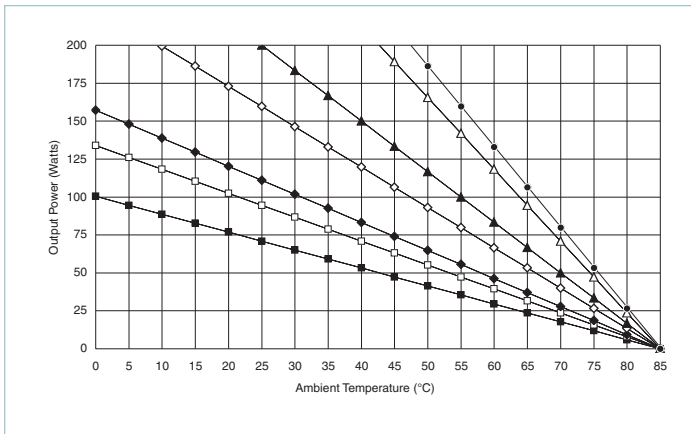


Figure 21.31 — 1-up ComPAC
5V output

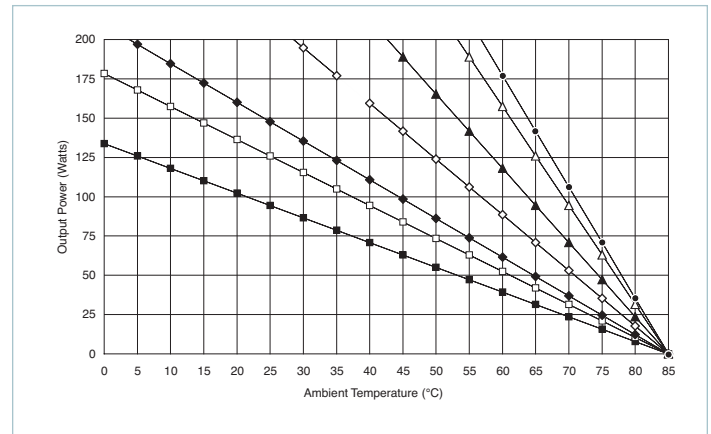


Figure 21.32 — 1-up ComPAC
12 – 48V output

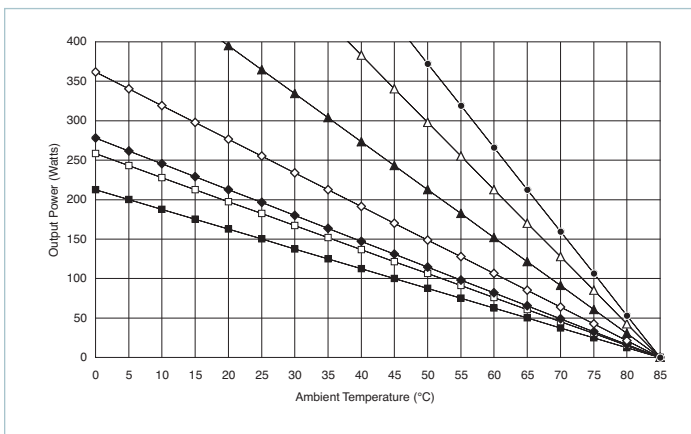


Figure 21.33 — 2-up ComPAC
5V output

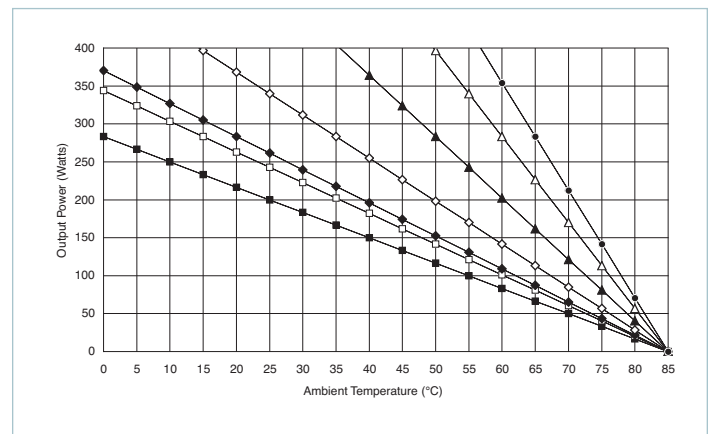


Figure 21.34 — 2-up ComPAC
12 – 48V output

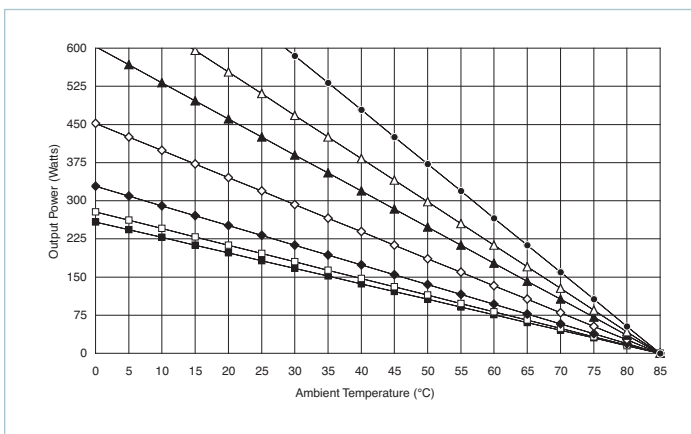


Figure 21.35 — 3-up ComPAC
5V output

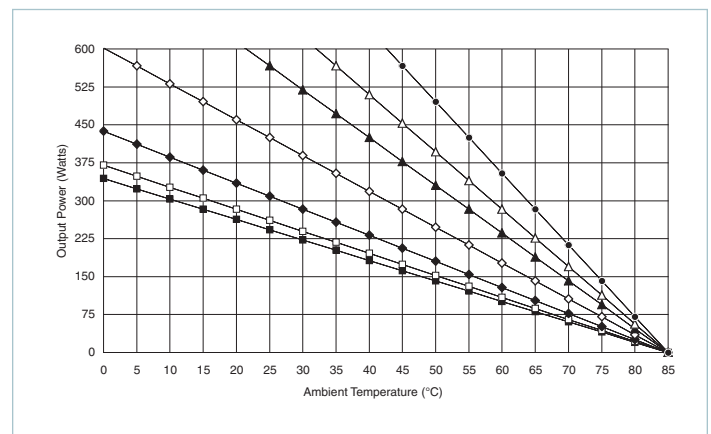


Figure 21.36 — 3-up ComPAC
12 – 48V output

FlatPAC™ Family Thermal Curves

Note: Use as a design guide only. Verify final design by actual temperature measurement.

Legend: ■ FREE AIR, H □ FREE AIR, V ◆ 200 LFM ◇ 400 LFM ▲ 600 LFM △ 800 LFM ● 1000 LFM

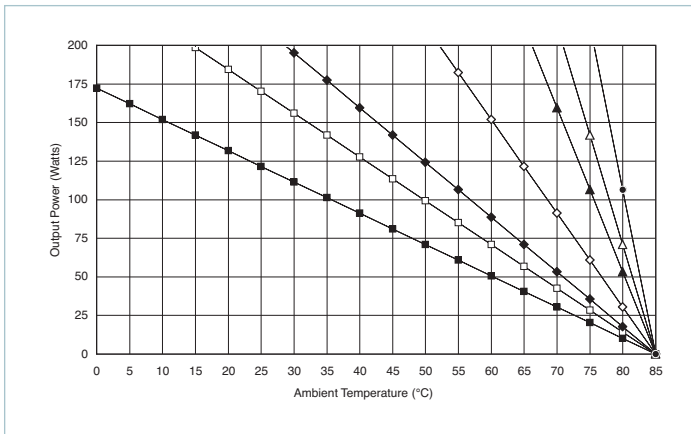


Figure 21.37 — 1-up FlatPAC
5V output

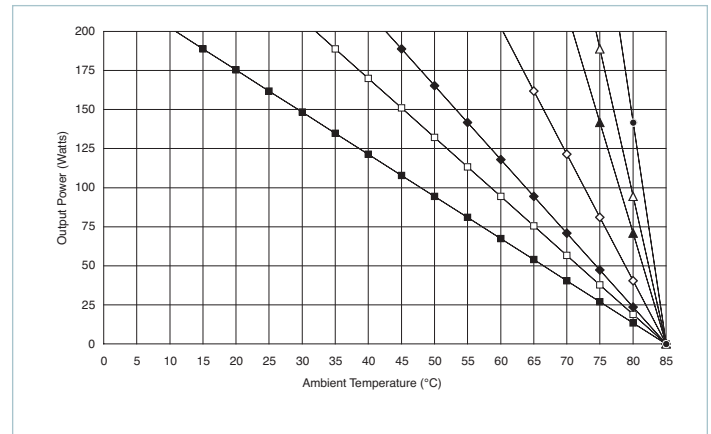


Figure 21.38 — 1-up FlatPAC
12 – 48V output

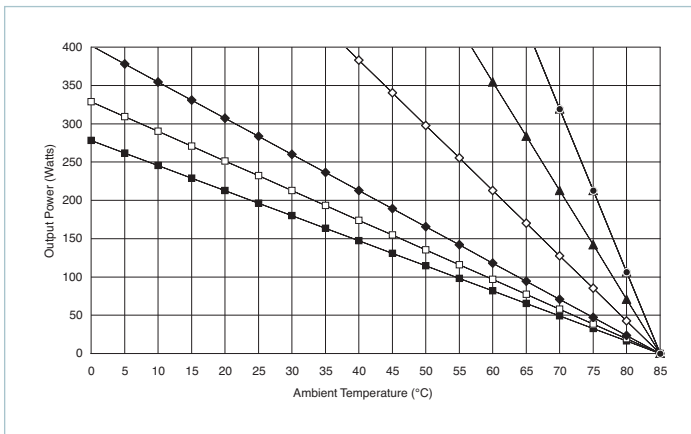


Figure 21.39 — 2-up FlatPAC
5V output

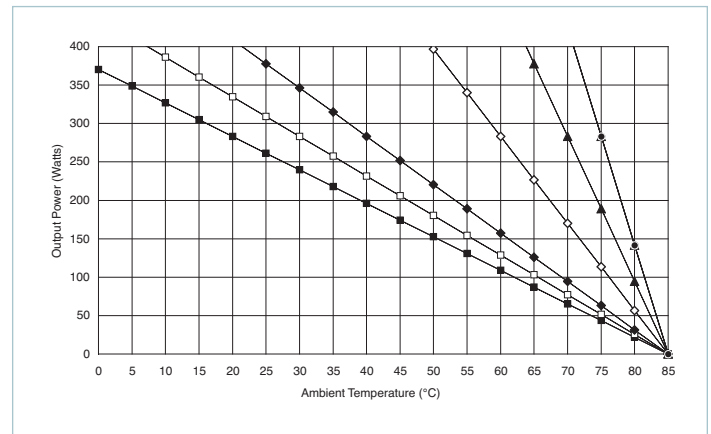


Figure 21.40 — 2-up FlatPAC
12 – 48V output

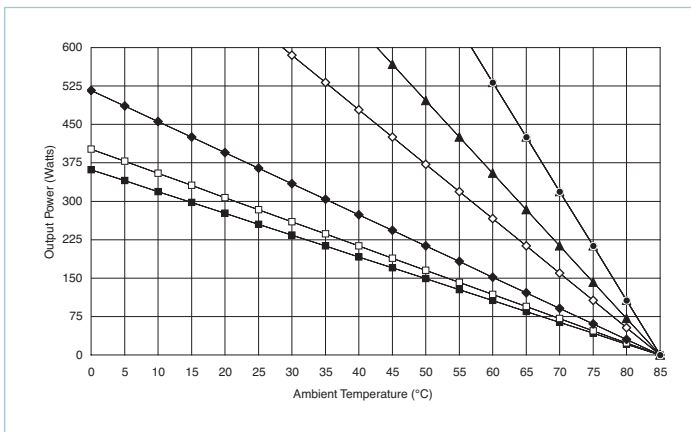


Figure 21.41 — 3-up FlatPAC
5V output

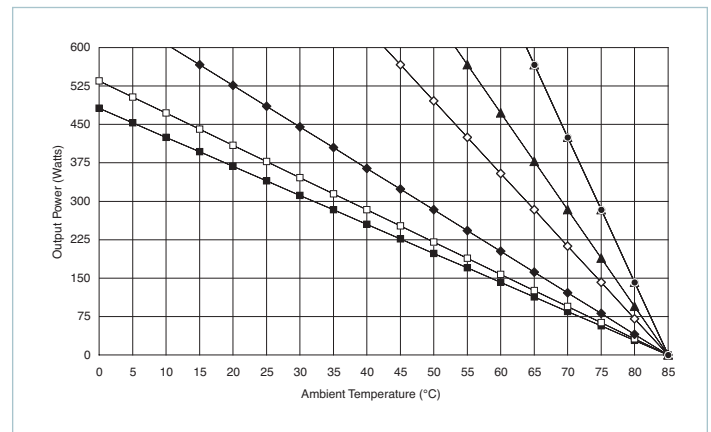


Figure 21.42 — 3-up FlatPAC
12 – 48V output

PFC FlatPAC™ Family Thermal Curves

Note: Use as a design guide only. Verify final design by actual temperature measurement.

Legend: ■ FREE AIR □ 200 LFM ◆ 400 LFM ◇ 600 LFM ▲ 800 LFM △ 1000 LFM

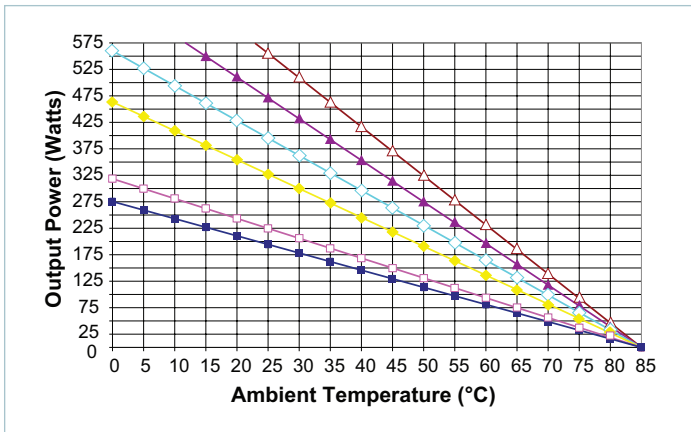


Figure 21.43 — Output power de-rating vs. temperature, $V_{OUT} \geq 12V$

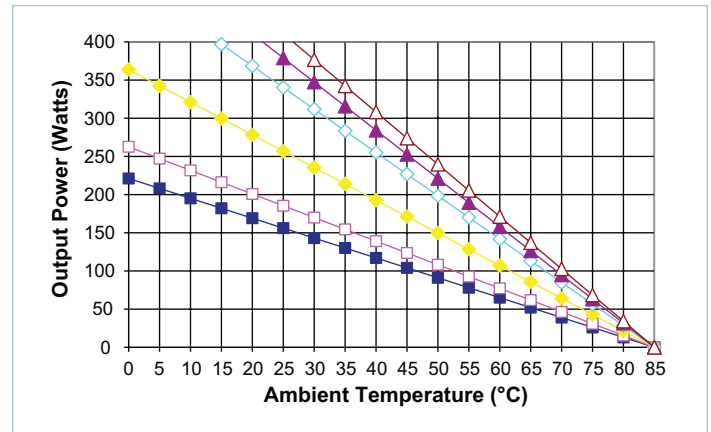


Figure 21.44 — Output power de-rating vs. temperature, $V_{OUT} = 5V$

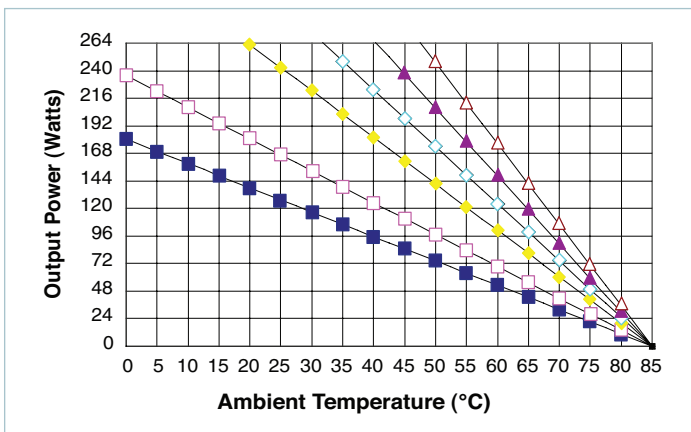


Figure 21.45 — Output power de-rating vs. temperature, $V_{OUT} = 3.3V$