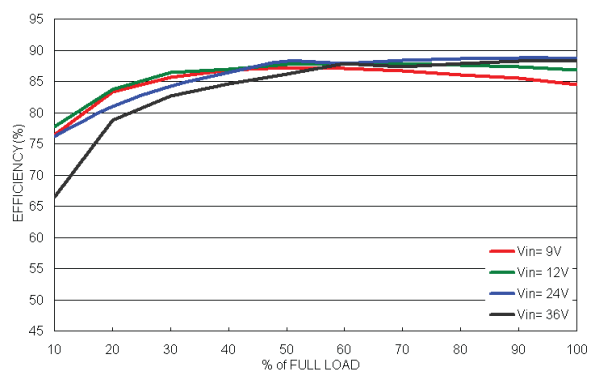## Characteristic Curves
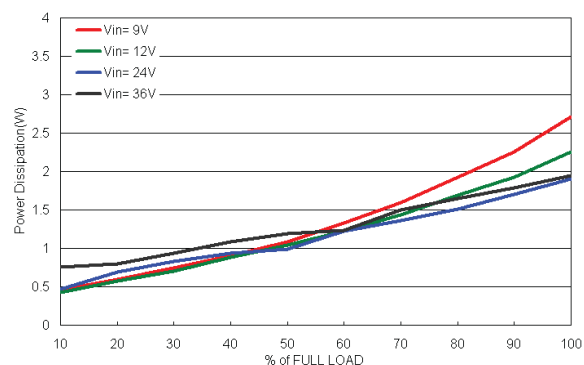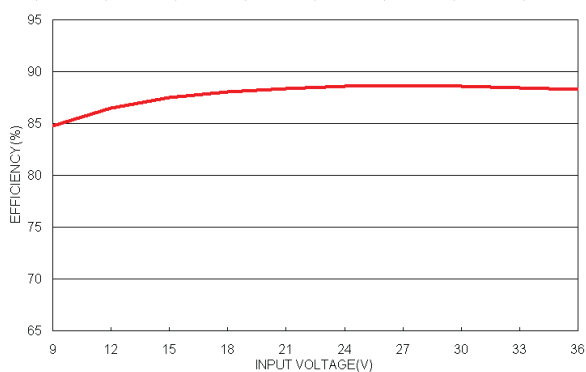
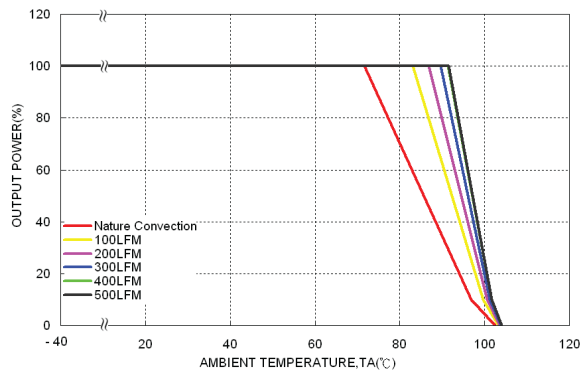### THN 20-2410WI

Efficiency versus Output Load

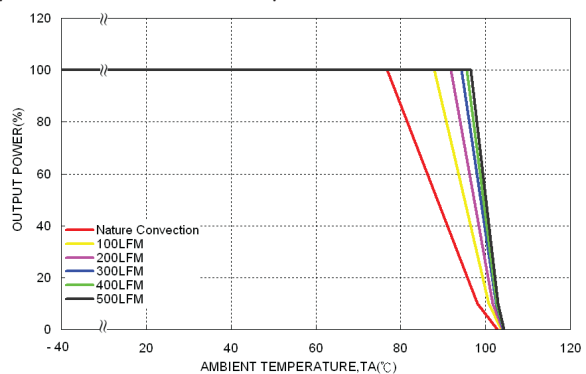Power Dissipation versus Output Load

Efficiency versus Input Voltage

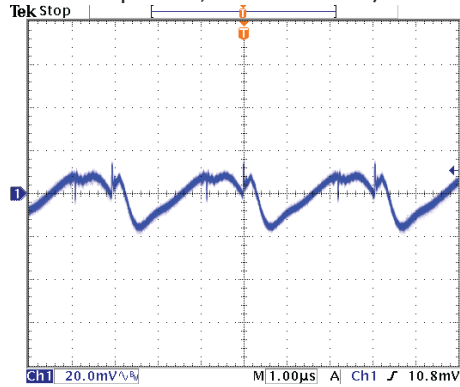

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature
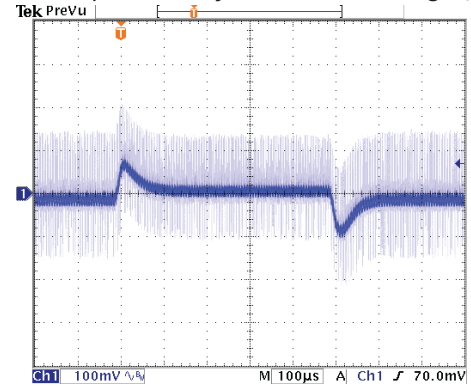(with Heatsink THN-HS1)
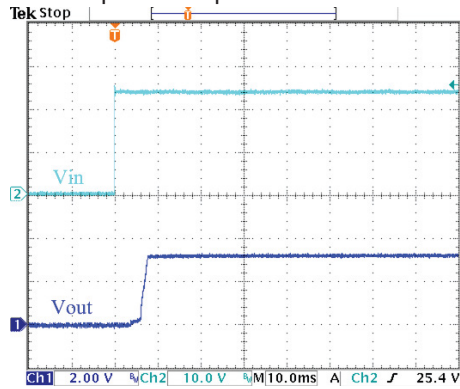
THN 20-2410WI

Typical Output Ripple and Noise
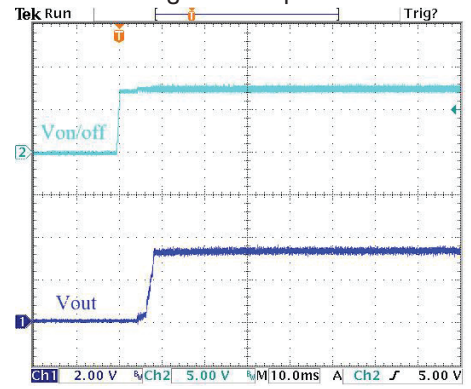(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

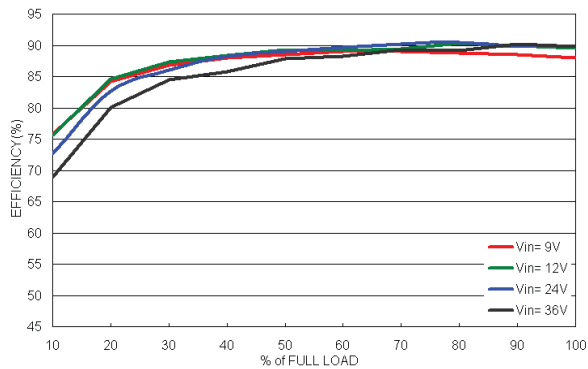
Typical Start-Up and Output Rise Characteristic

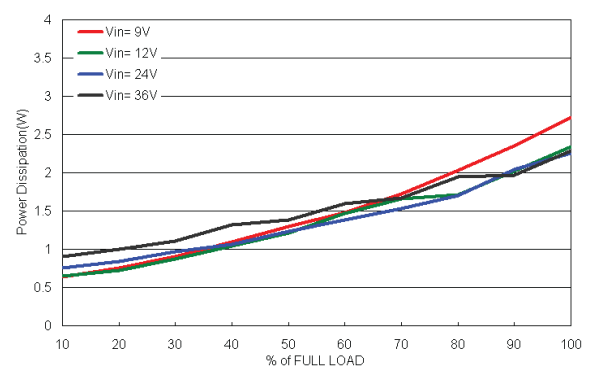Remote on/off Voltage Start-Up Characteristic

THN 20-2411WI

Efficiency versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature (with Heatsink THN-HS1)

Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

TRACO POWER

THN 20-2411WI

Typical Output Ripple and Noise
(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

Typical Start-Up and Output Rise Characteristic

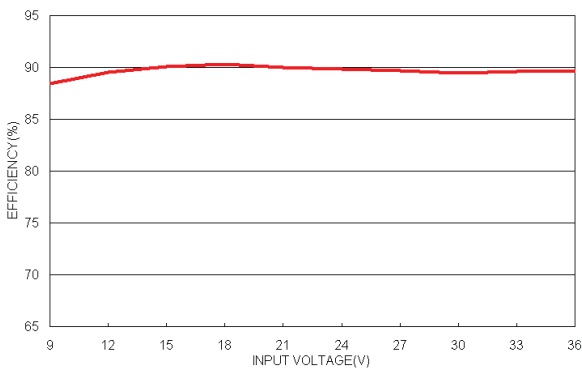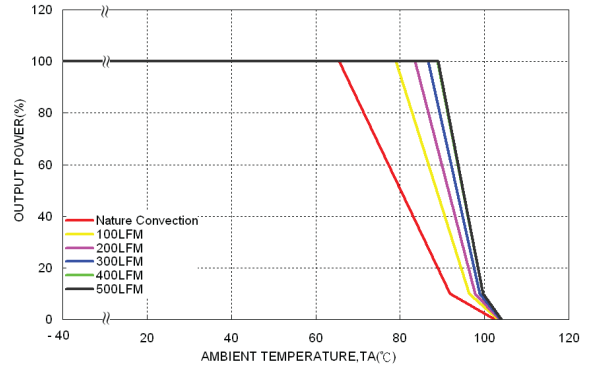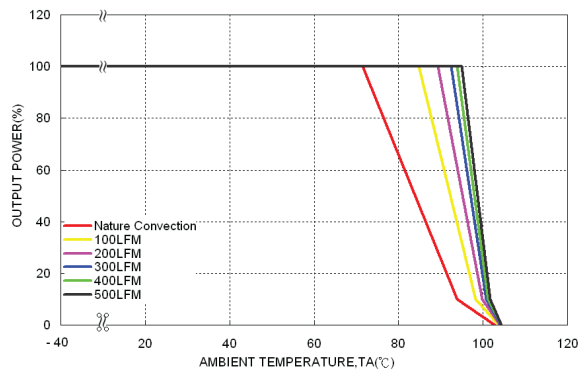Remote on/off Voltage Start-Up Characteristic

THN 20-2412WI

Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

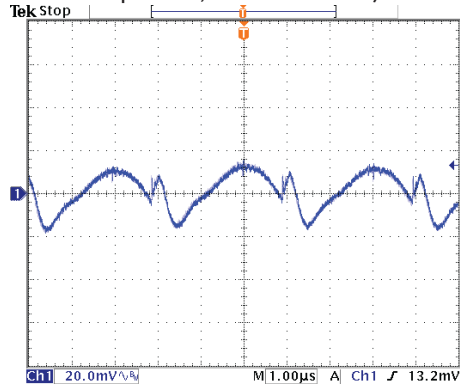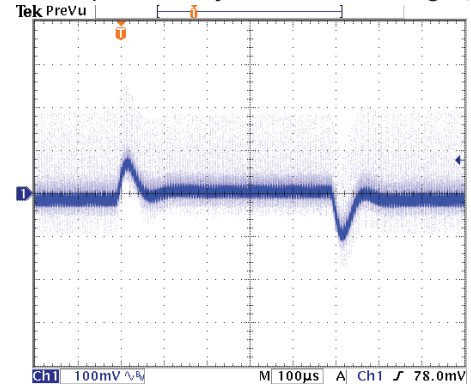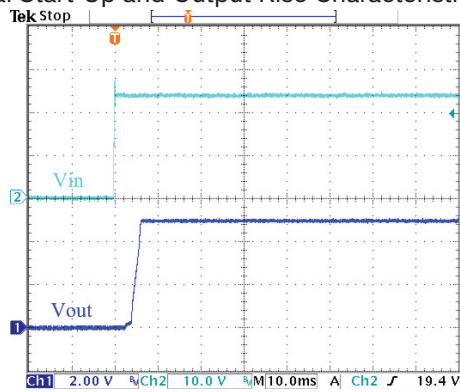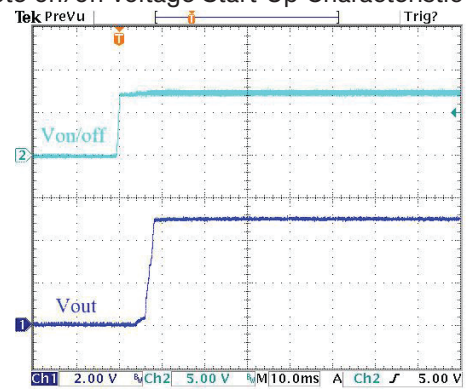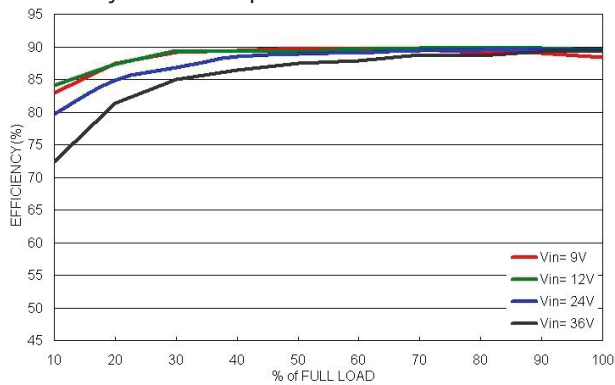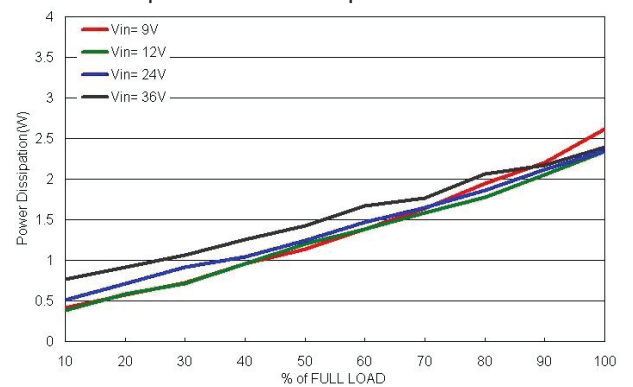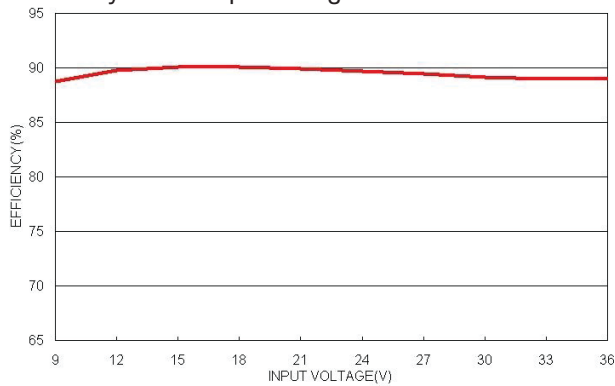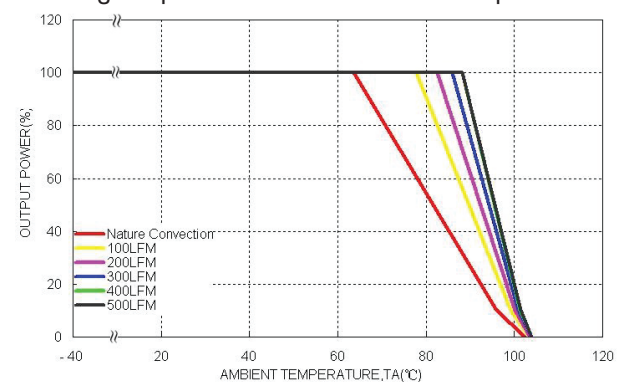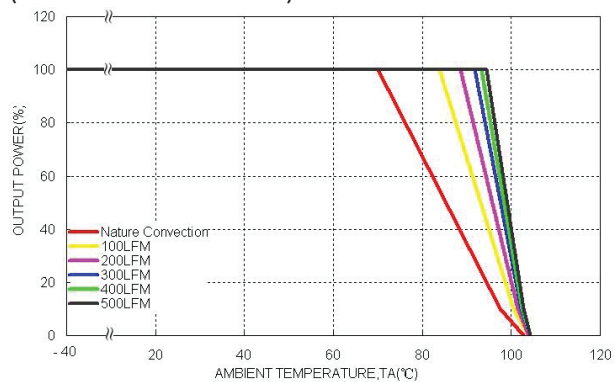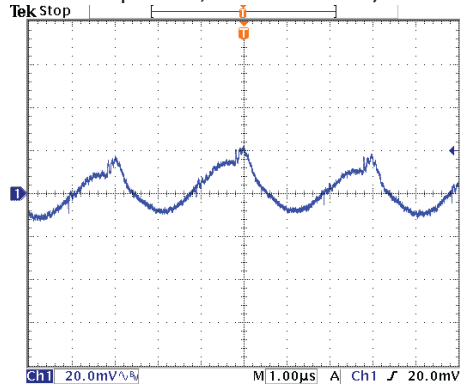### Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature (with Heatsink THN-HS1)
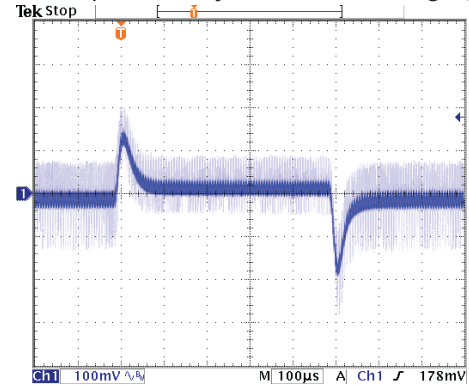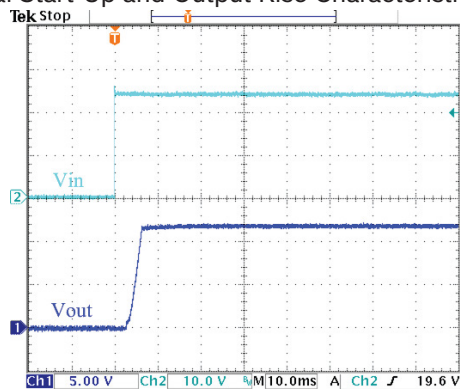
THN 20-2412WI

Typical Output Ripple and Noise
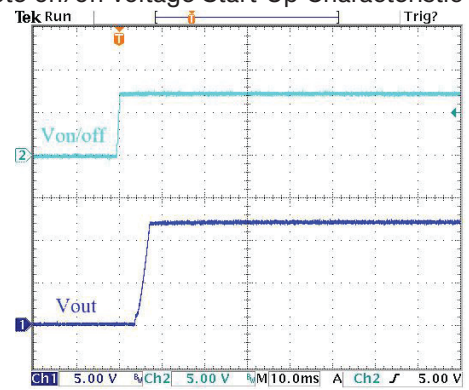(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

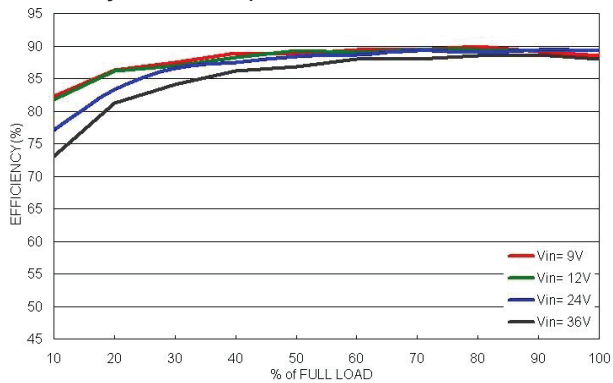
Typical Start-Up and Output Rise Characteristic

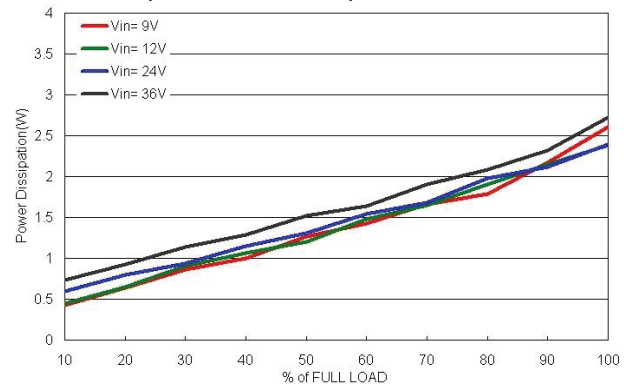Remote on/off Voltage Start-Up Characteristic

TRACO POWER

THN 20-2413WI

Efficiency versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature (with Heatsink THN-HS1)

Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

THN 20-2413WI

Typical Output Ripple and Noise
(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

Typical Start-Up and Output Rise Characteristic
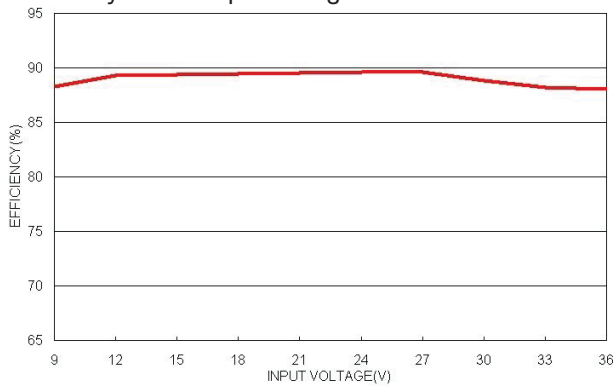

Remote on/off Voltage Start-Up Characteristic

TRACO POWER

THN 20-2415WI
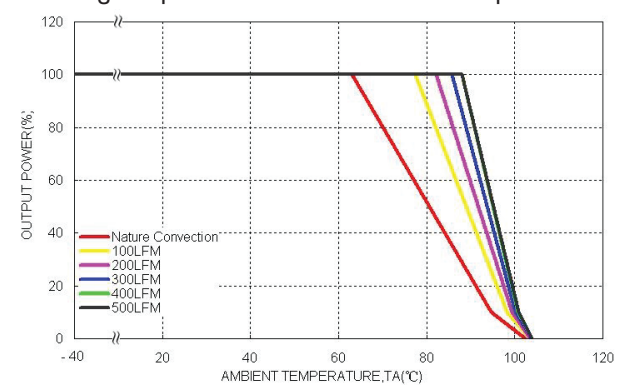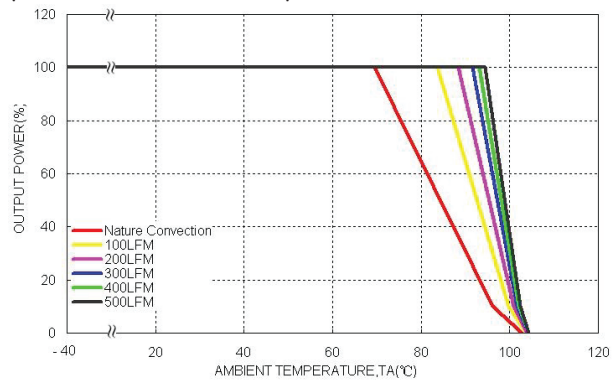
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

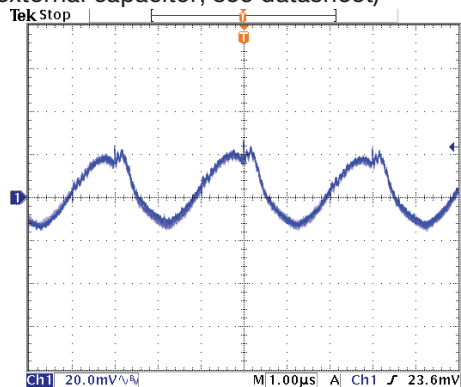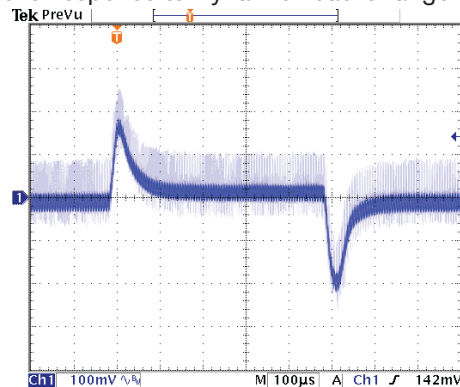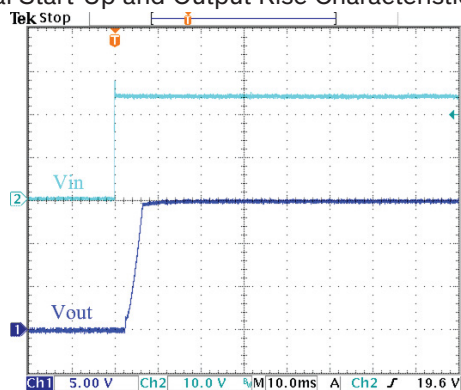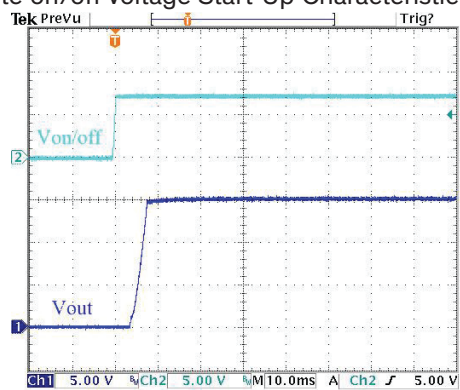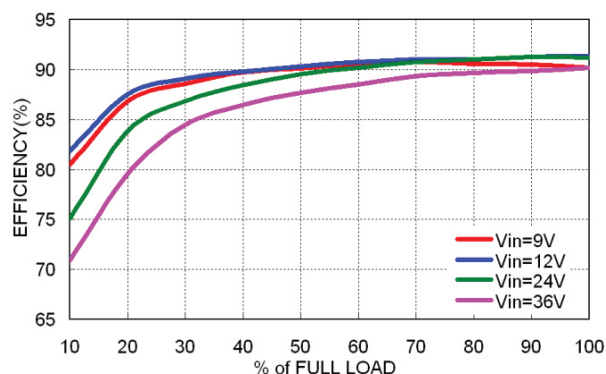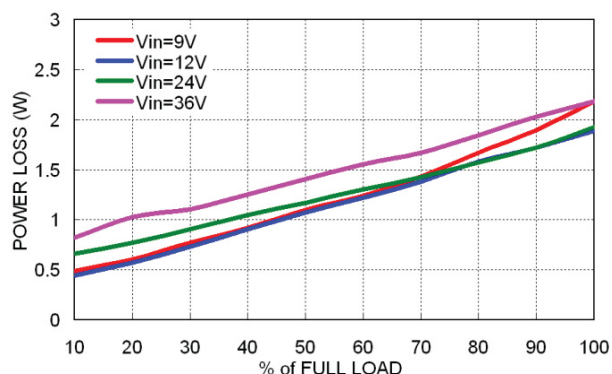**Derating Output Load versus Ambient Temperature**

Derating Output Load versus Ambient Temperature (with Heatsink THN-HS1)

THN 20-2415WI

Typical Output Ripple and Noise
(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

Typical Start-Up and Output Rise Characteristic
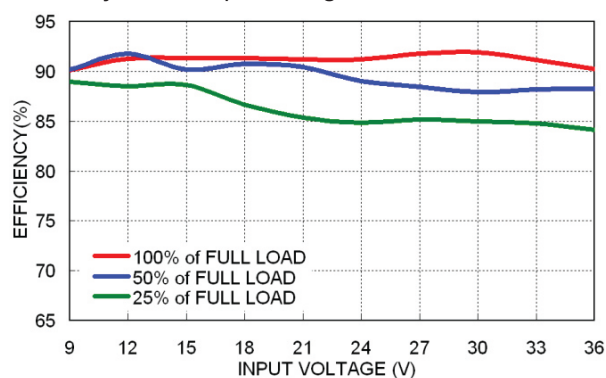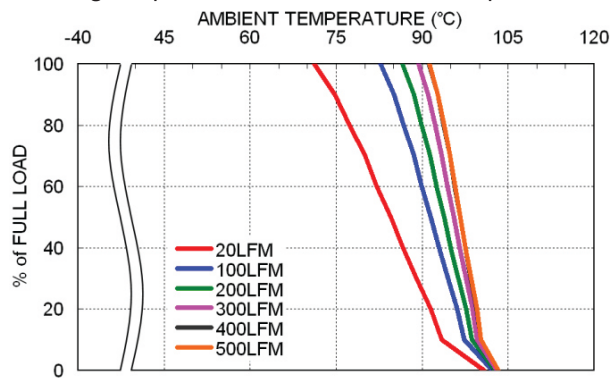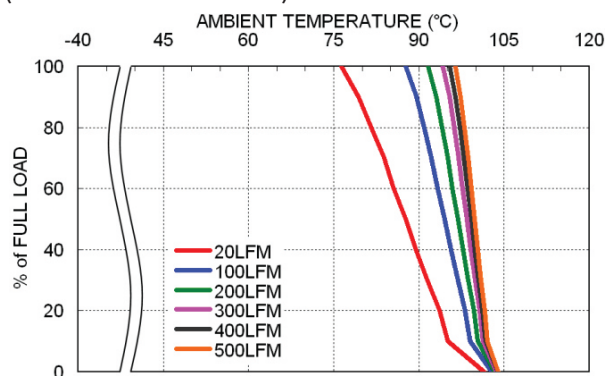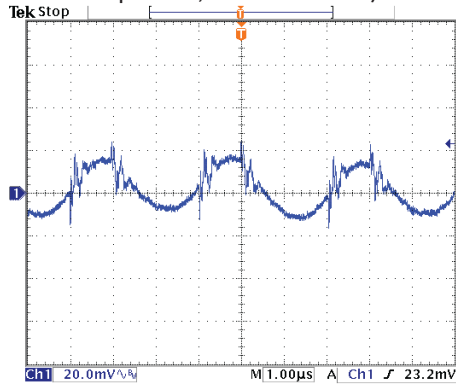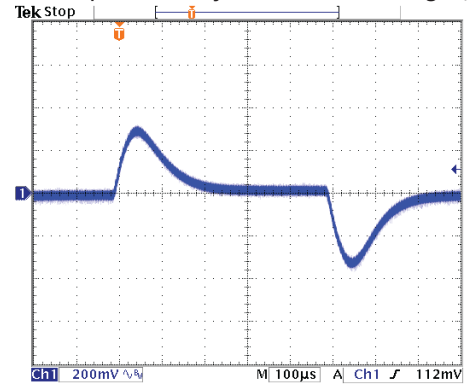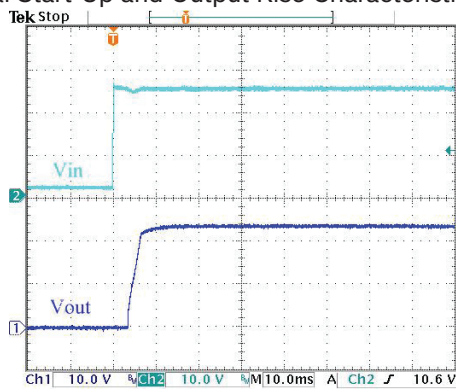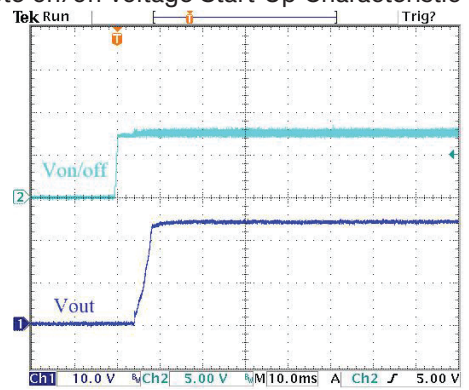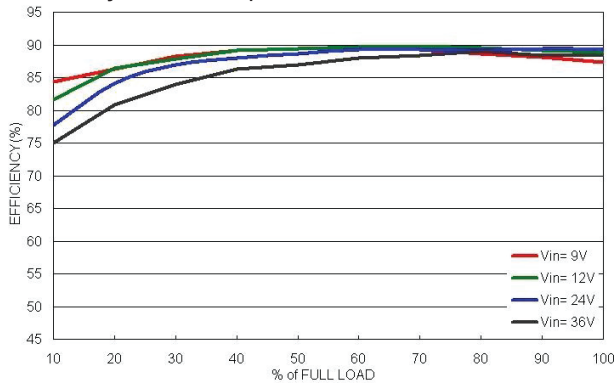
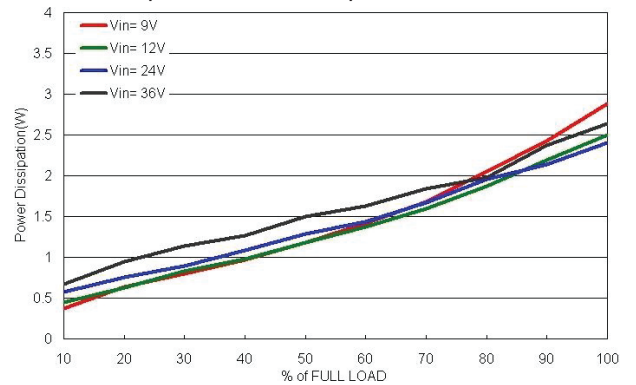Remote on/off Voltage Start-Up Characteristic

TRACO POWER

THN 20-2422WI

Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature (with Heatsink THN-HS1)

THN 20-2422WI

Typical Output Ripple and Noise
(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

Typical Start-Up and Output Rise Characteristic
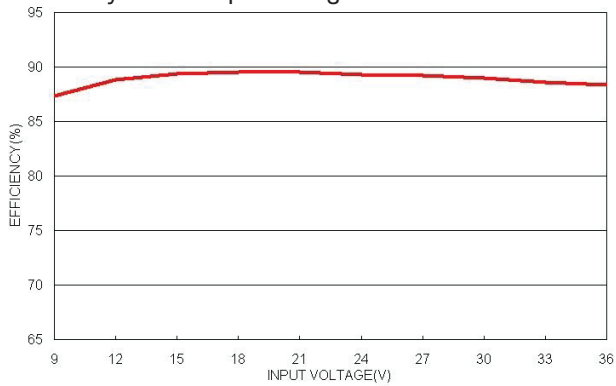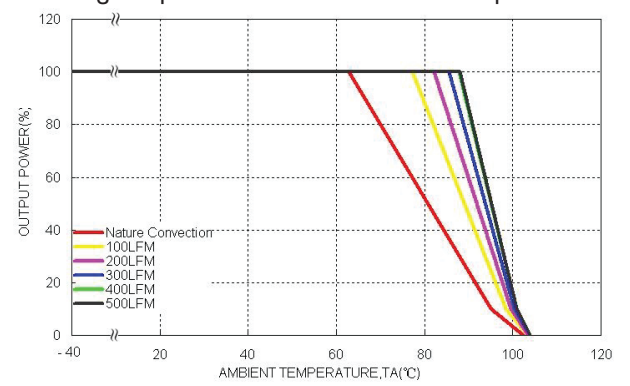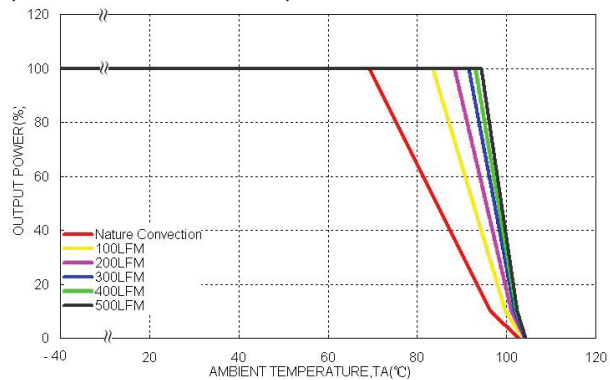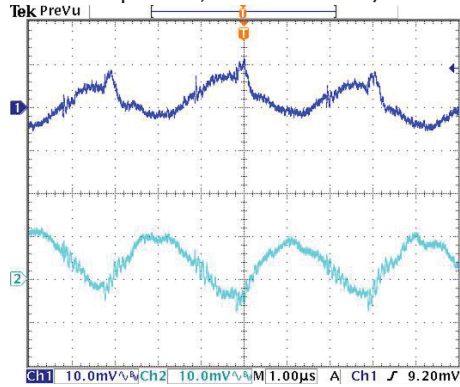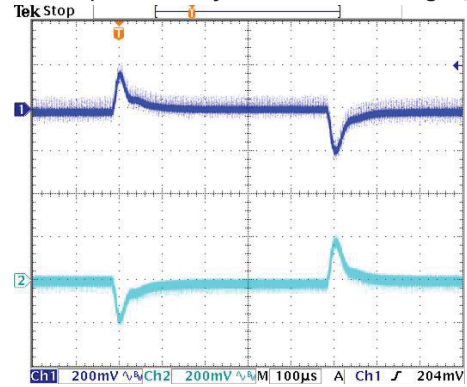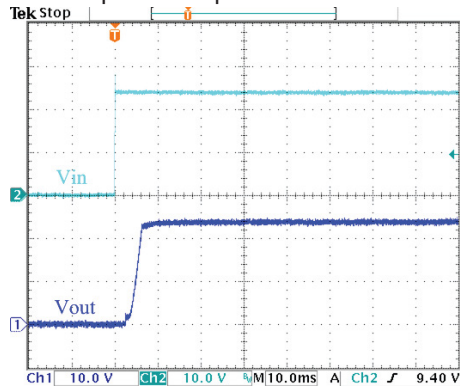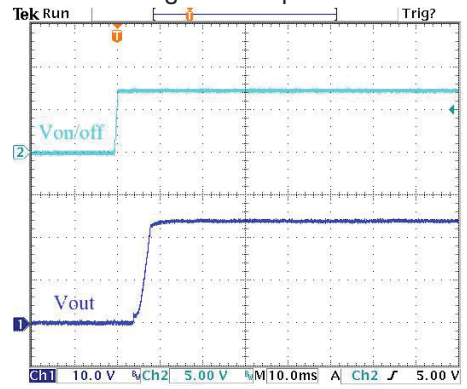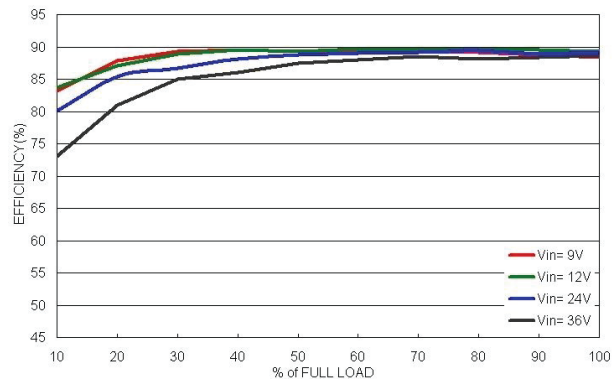

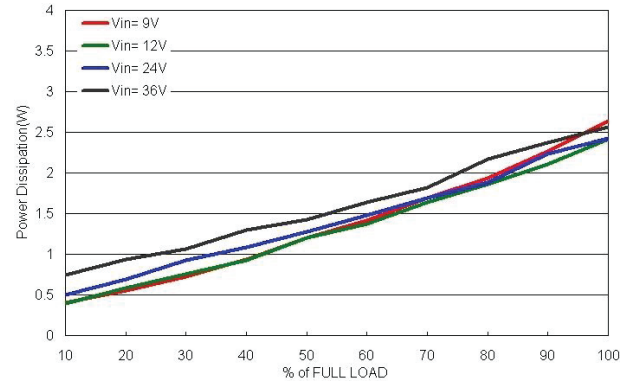Remote on/off Voltage Start-Up Characteristic

TRACO POWER

THN 20-2423WI

Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature (with Heatsink THN-HS1)

THN 20-2423WI

Typical Output Ripple and Noise
(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

Typical Start-Up and Output Rise Characteristic

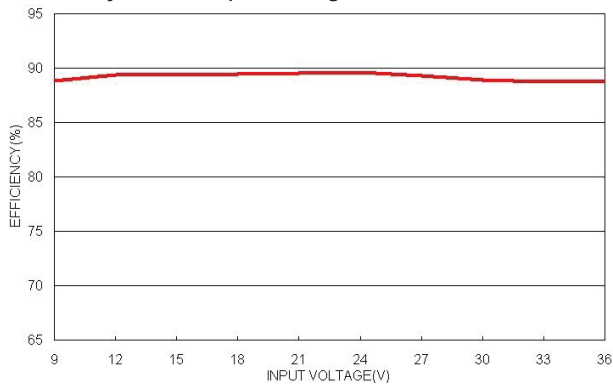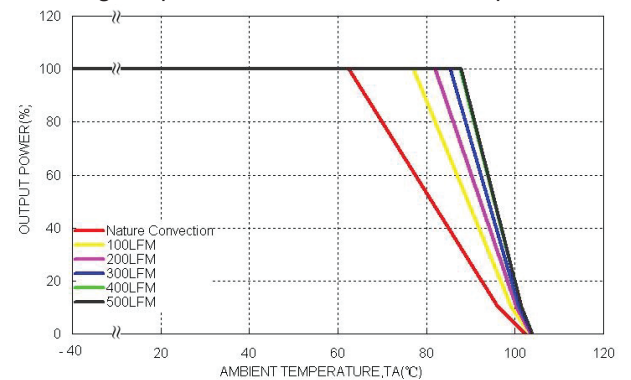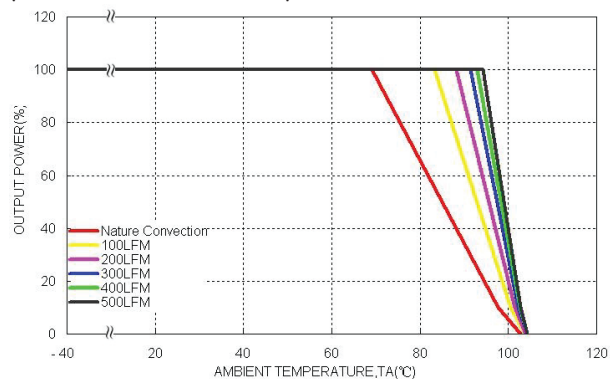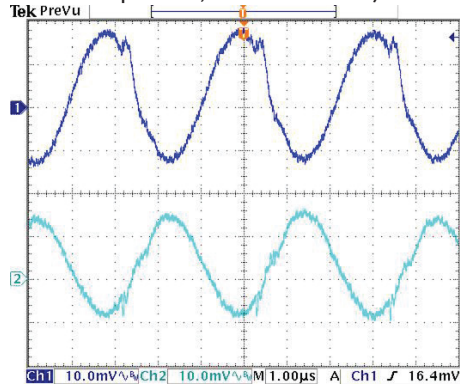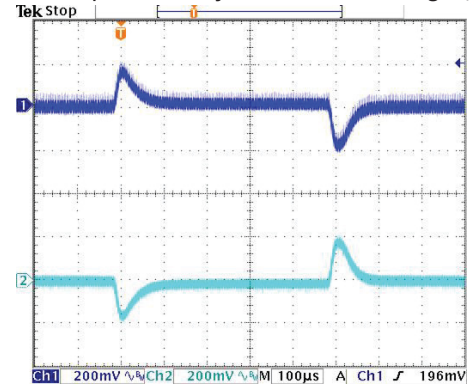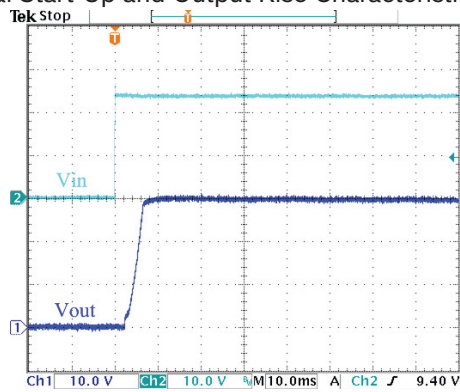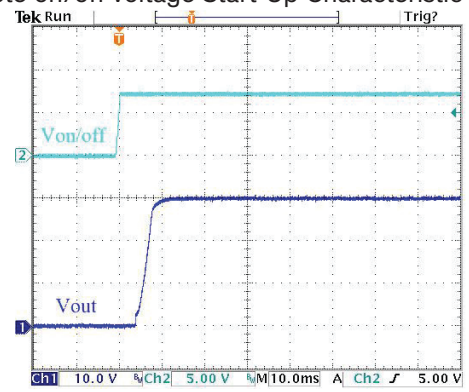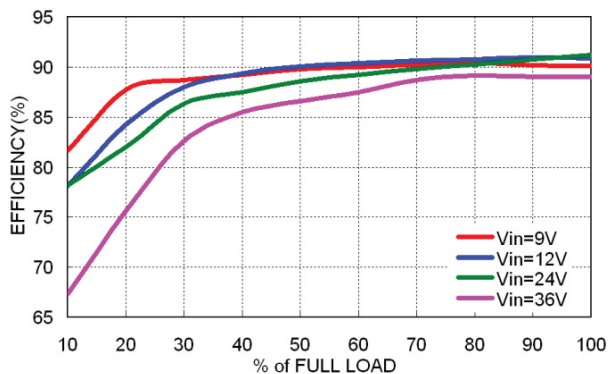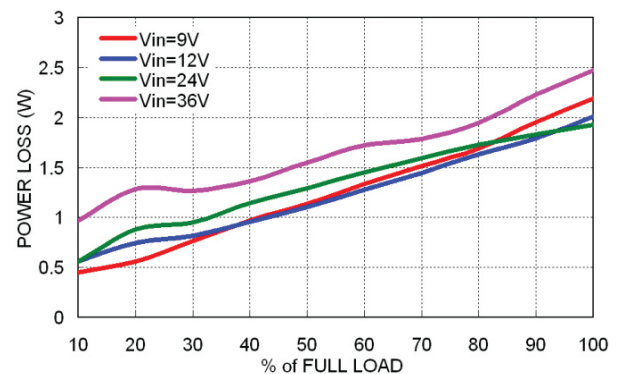Remote on/off Voltage Start-Up Characteristic

THN 20-2425WI

Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature (with Heatsink THN-HS1)

III TRACO POWER

THN 20-2425WI

Typical Output Ripple and Noise
(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

Typical Start-Up and Output Rise Characteristic
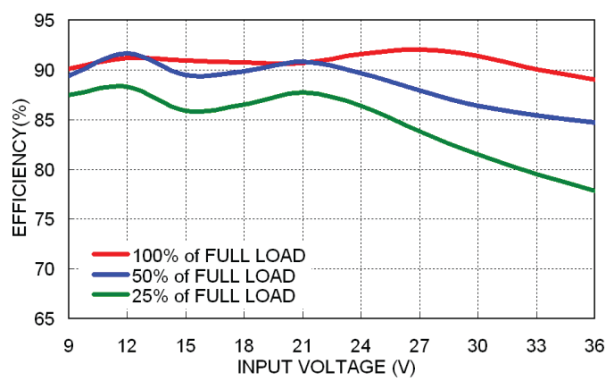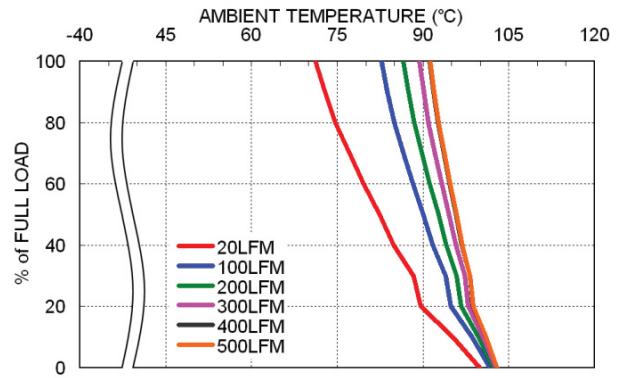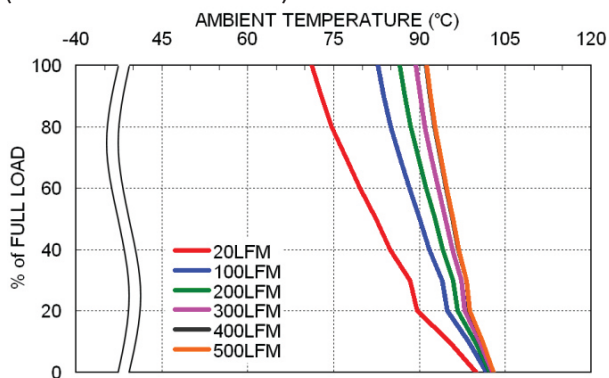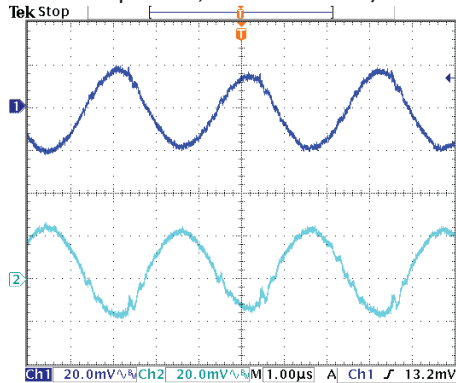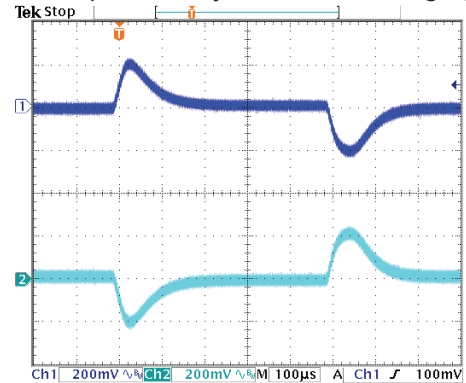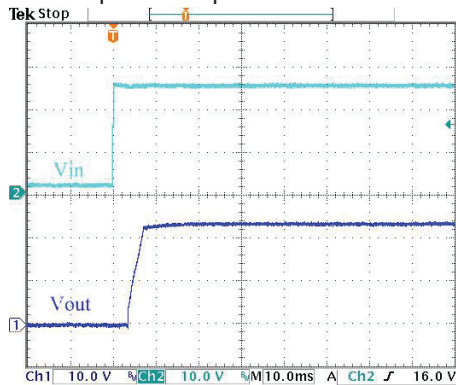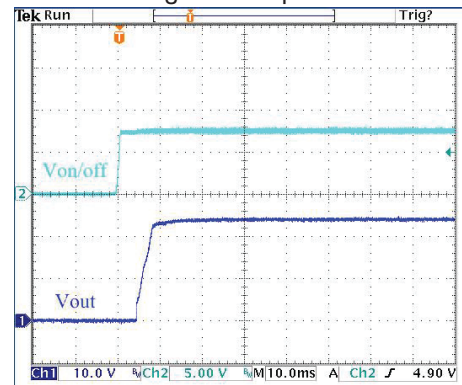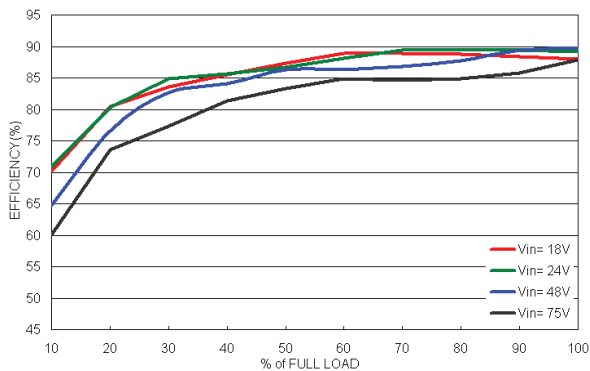

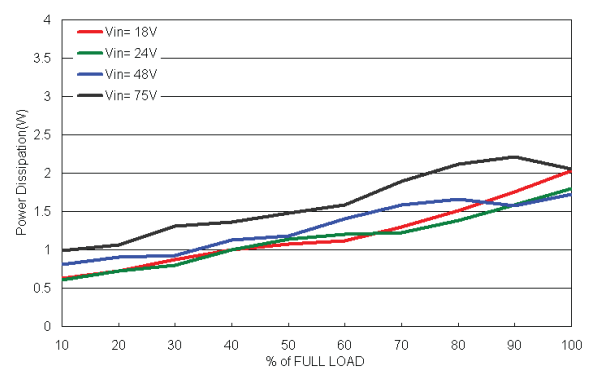Remote on/off Voltage Start-Up Characteristic

TRACO POWER

THN 20-4810WI

Efficiency versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature (with Heatsink THN-HS1)

Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

THN 20-4810WI

Typical Output Ripple and Noise
(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

Typical Start-Up and Output Rise Characteristic

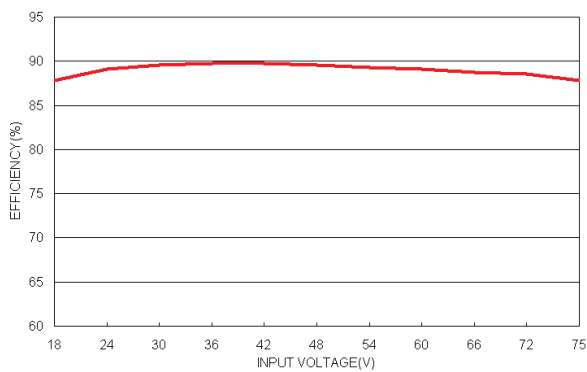Remote on/off Voltage Start-Up Characteristic

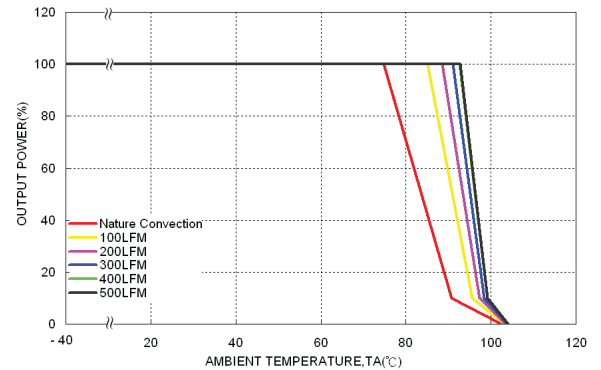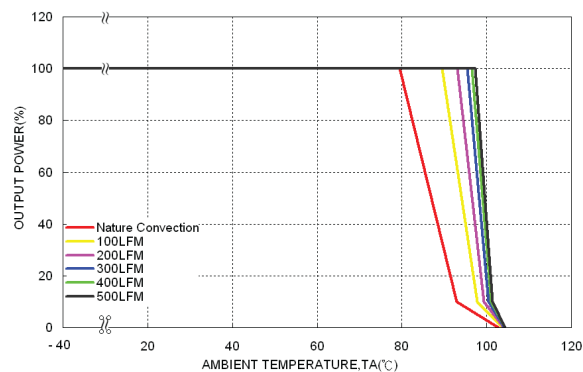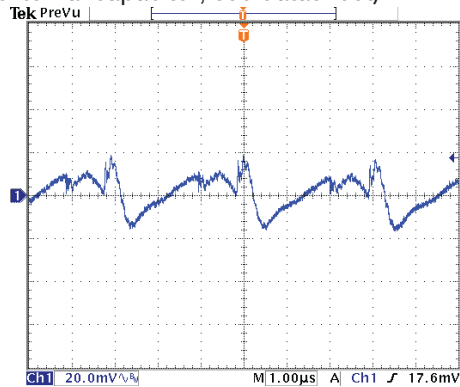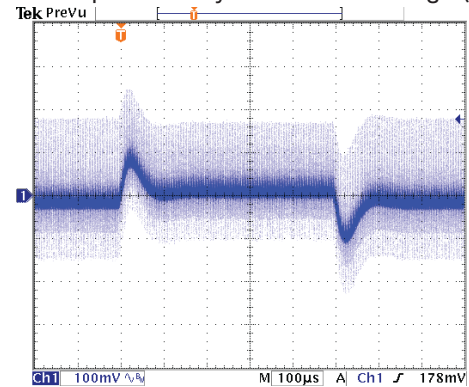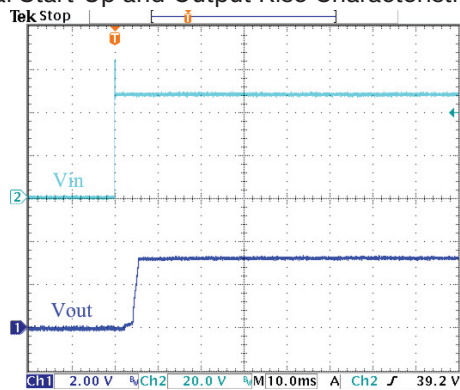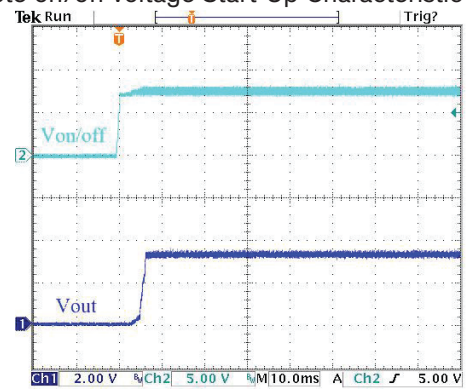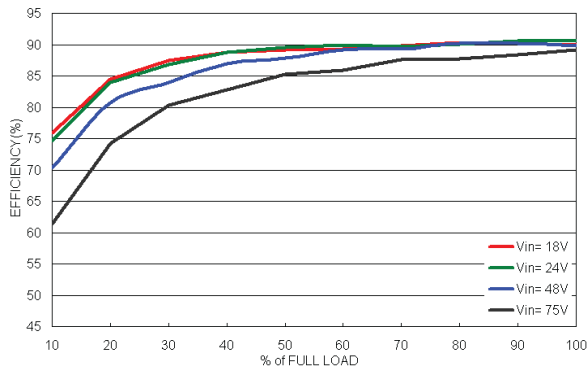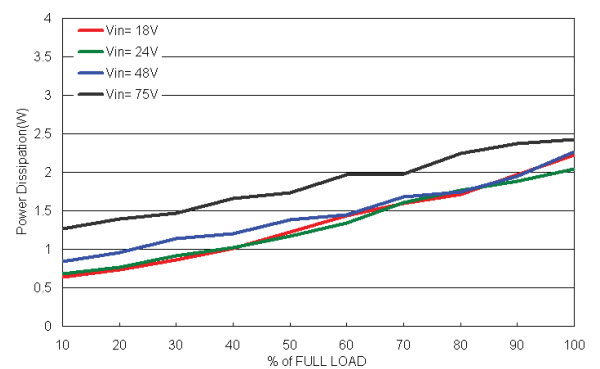## THN 20-4811WI

Efficiency versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature (with Heatsink THN-HS1)

Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

THN 20-4811WI

Typical Output Ripple and Noise
(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

Typical Start-Up and Output Rise Characteristic

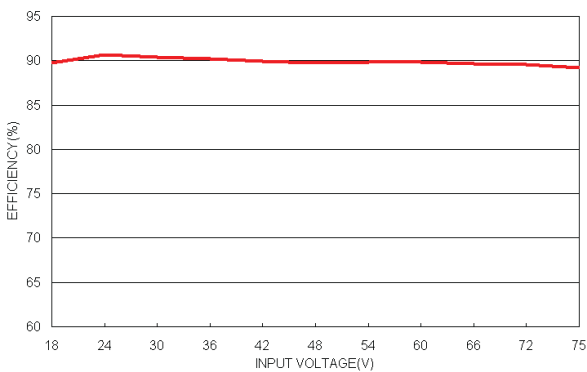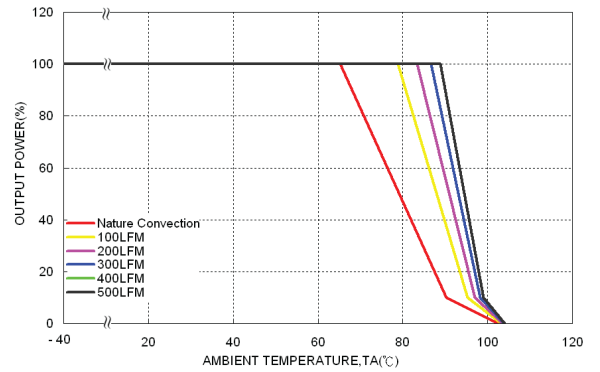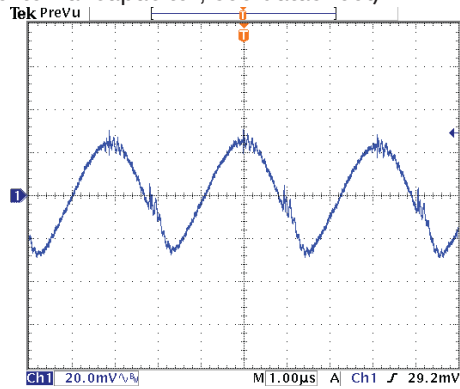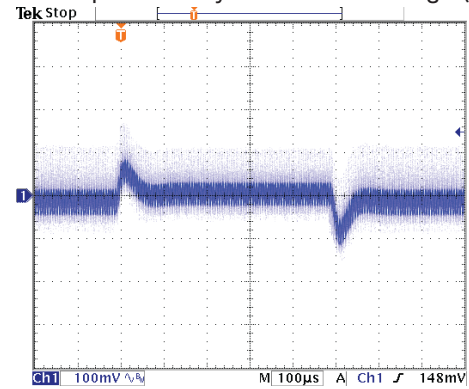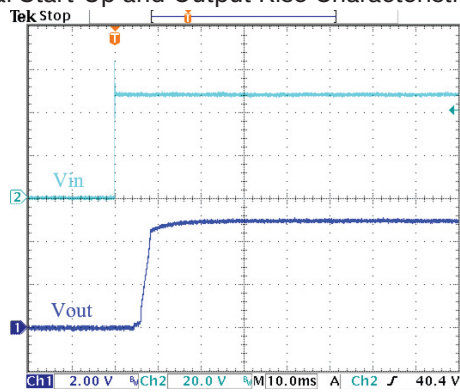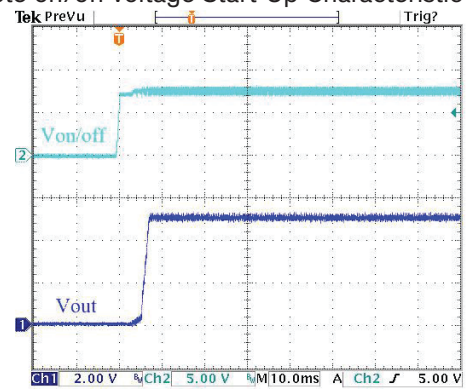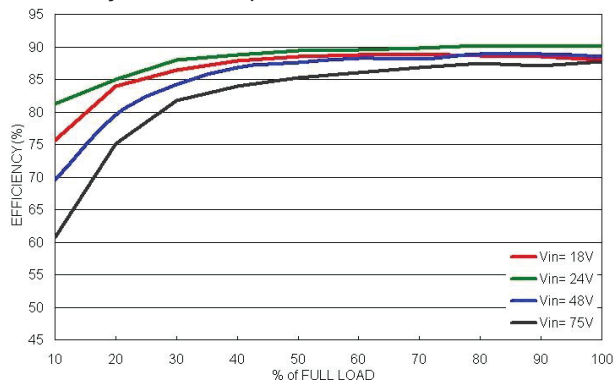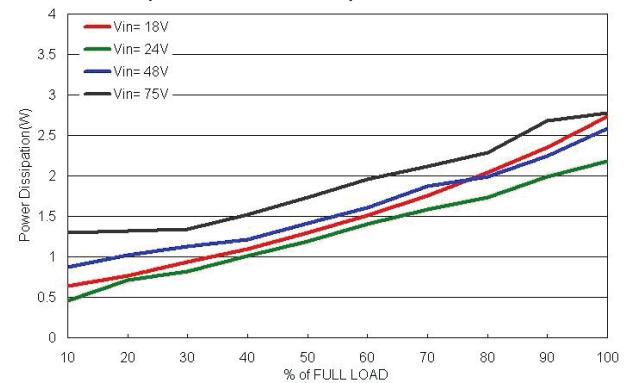Remote on/off Voltage Start-Up Characteristic

THN 20-4812WI

Efficiency versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature (with Heatsink THN-HS1)

Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

THN 20-4812WI

Typical Output Ripple and Noise
(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

Typical Start-Up and Output Rise Characteristic

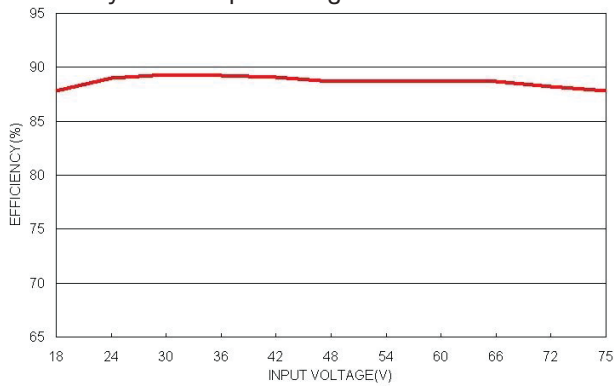Remote on/off Voltage Start-Up Characteristic

THN 20-4813WI
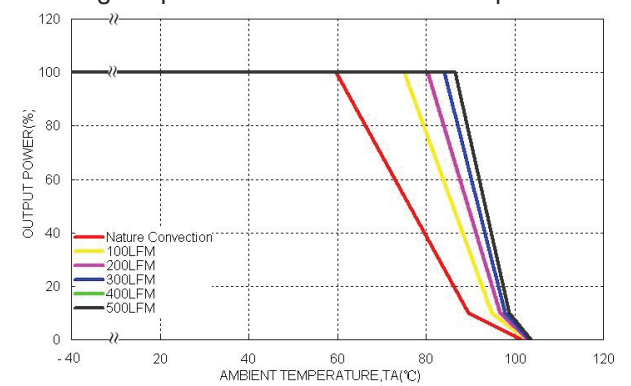
Efficiency versus Output Load
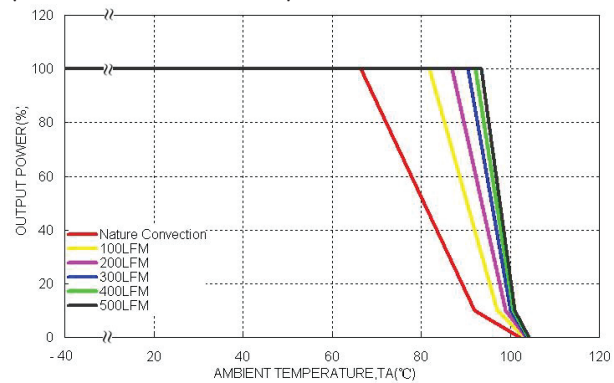

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature
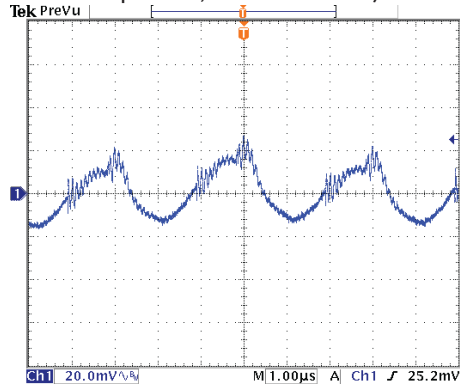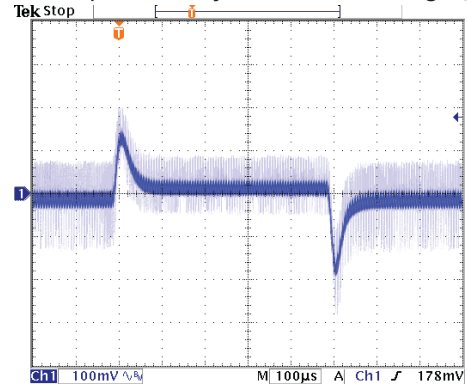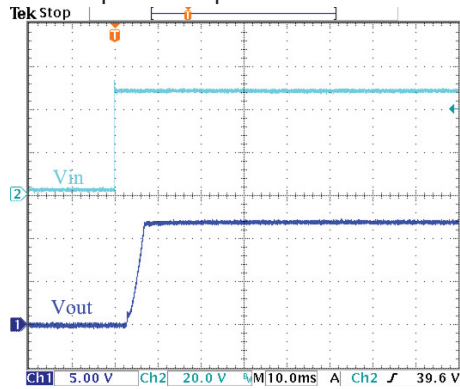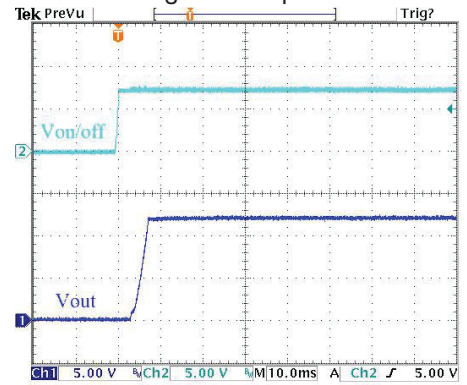

Derating Output Load versus Ambient Temperature (with Heatsink THN-HS1)

THN 20-4813WI

Typical Output Ripple and Noise
(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)
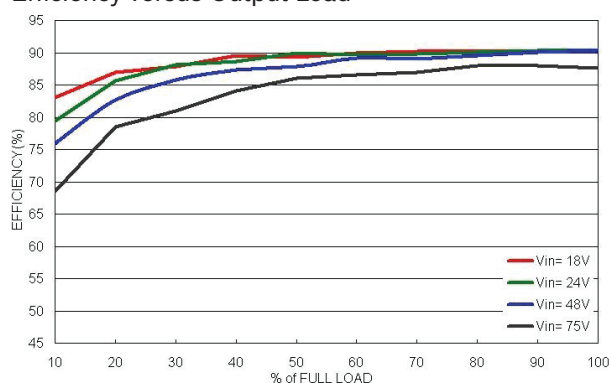

Typical Start-Up and Output Rise Characteristic

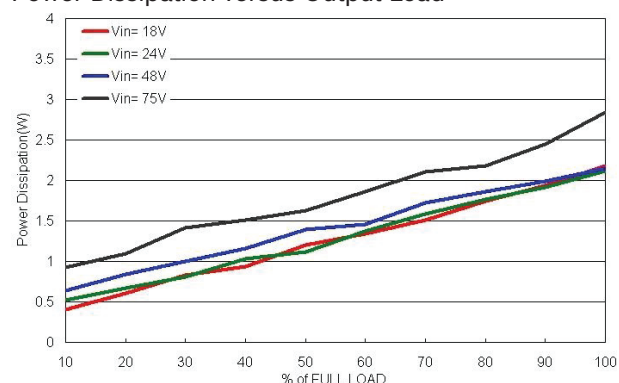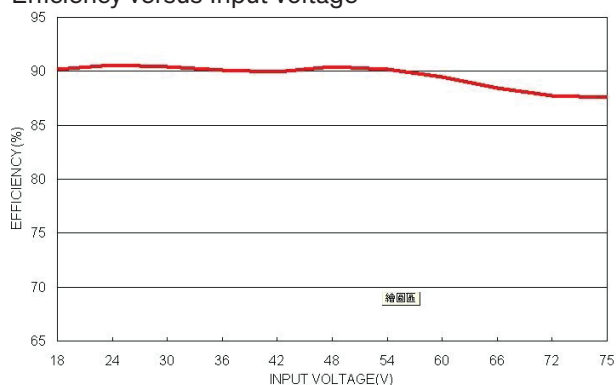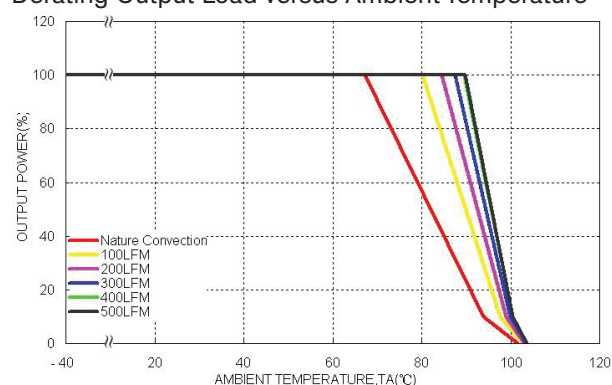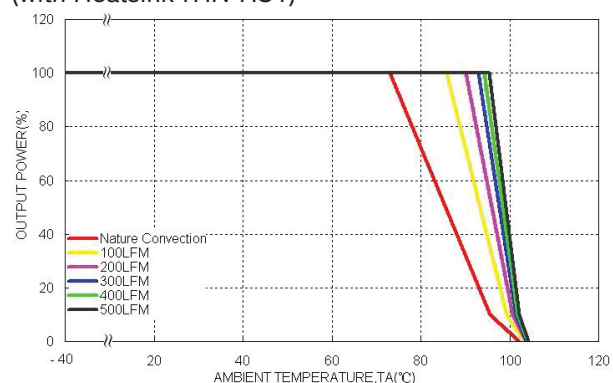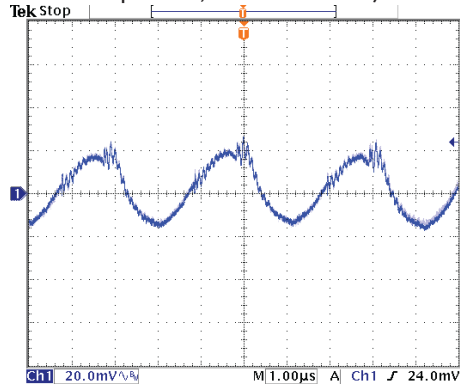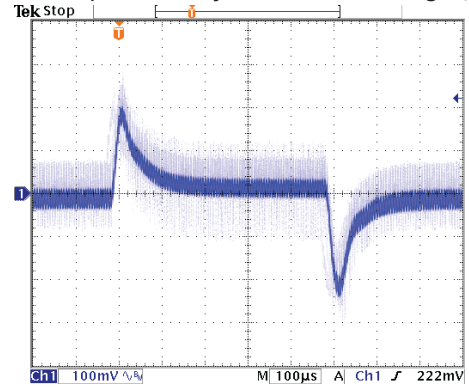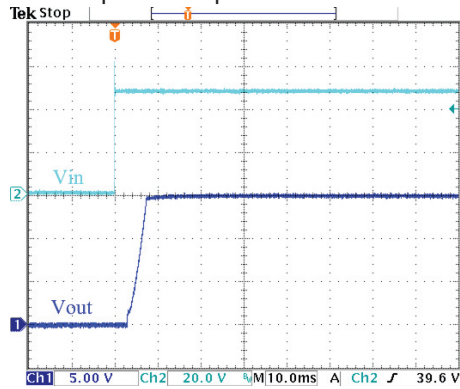Remote on/off Voltage Start-Up Characteristic

TRACO POWER

THN 20-4815WI

Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature (with Heatsink THN-HS1)

THN 20-4815WI

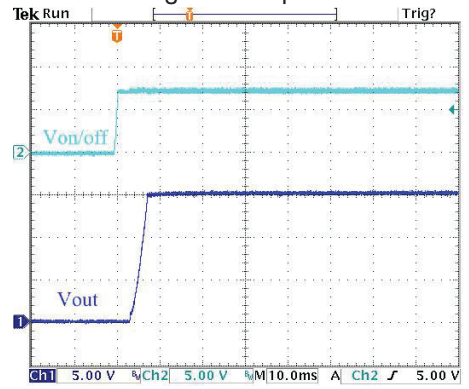Typical Output Ripple and Noise
(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

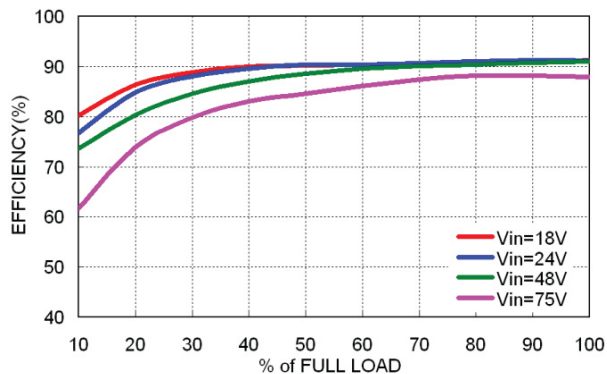Typical Start-Up and Output Rise Characteristic
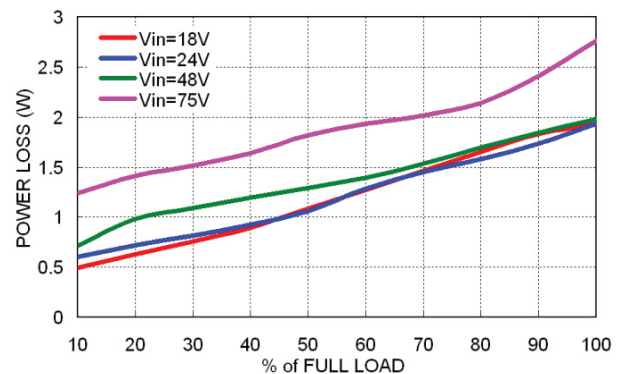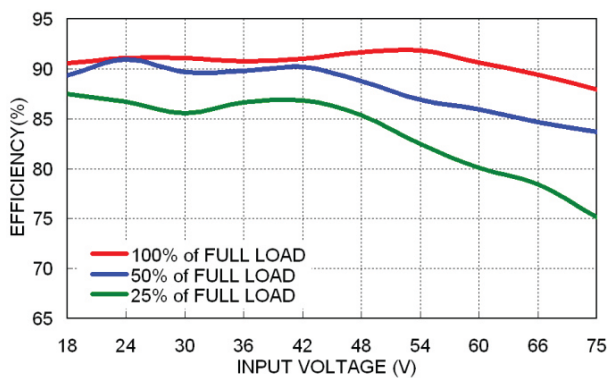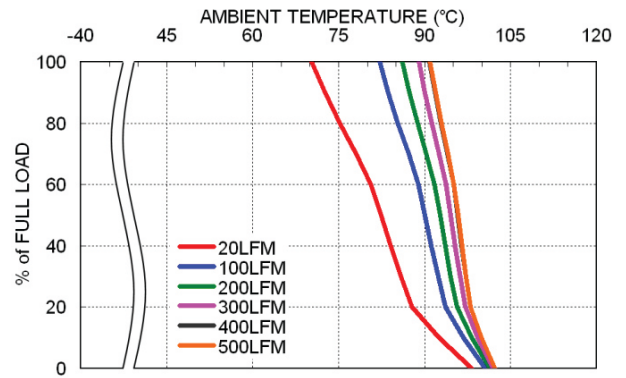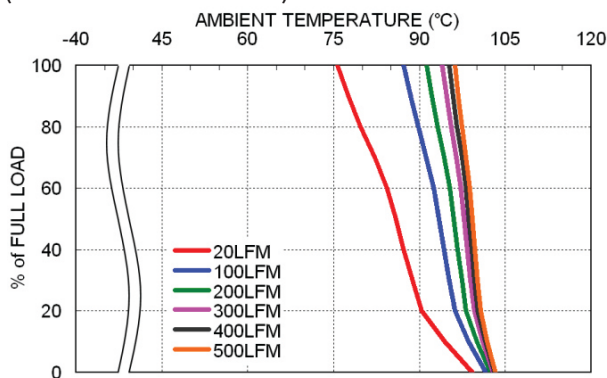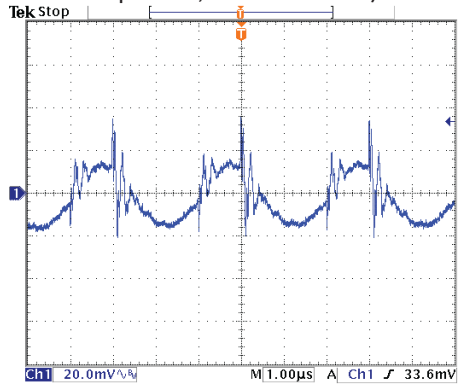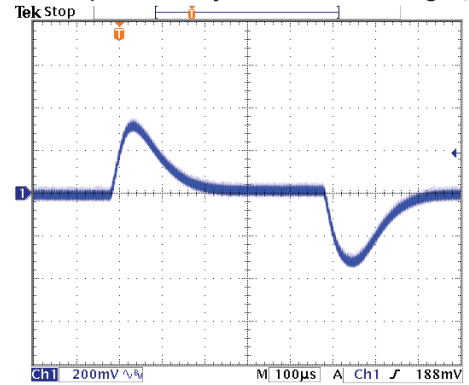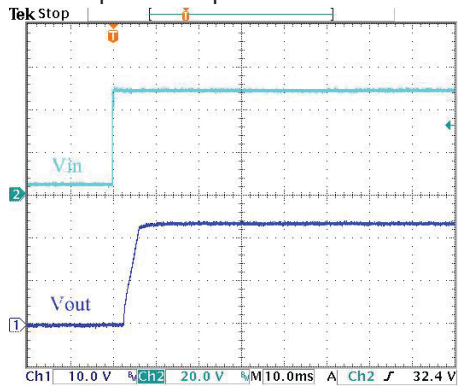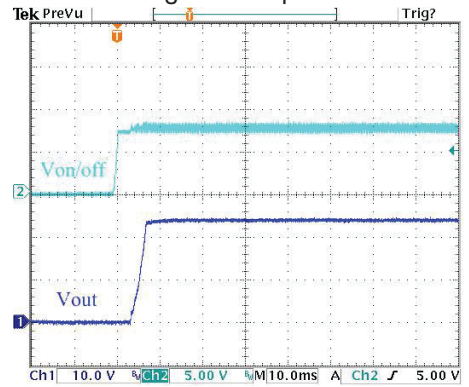

Remote on/off Voltage Start-Up Characteristic

III TRACO POWER

THN 20-4822WI

Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature (with Heatsink THN-HS1)

THN 20-4822WI

Typical Output Ripple and Noise
(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

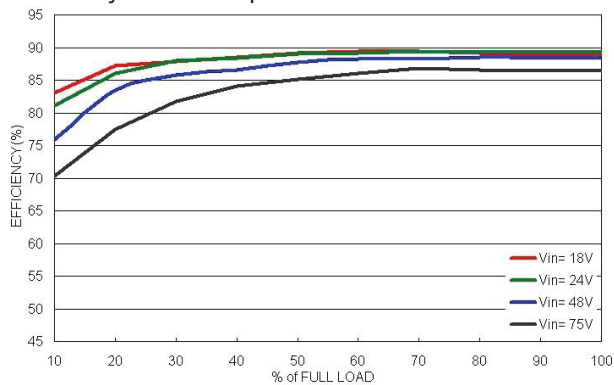Typical Start-Up and Output Rise Characteristic
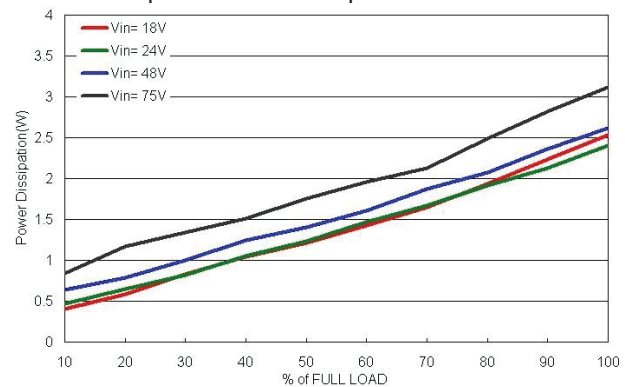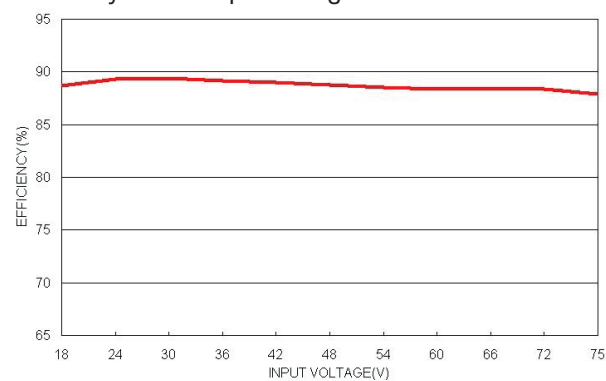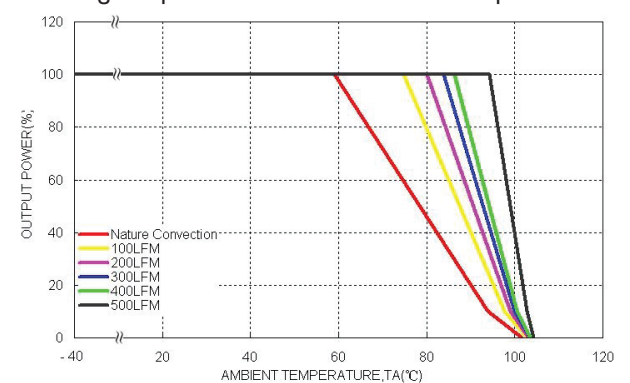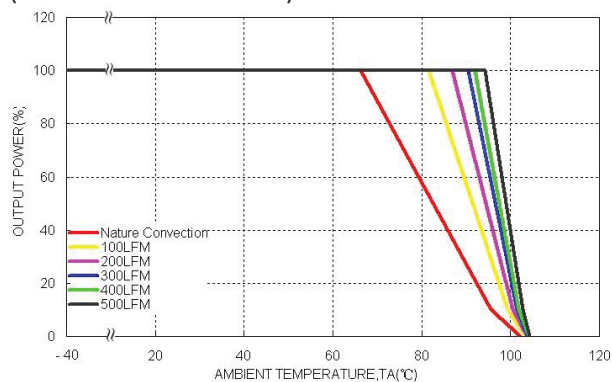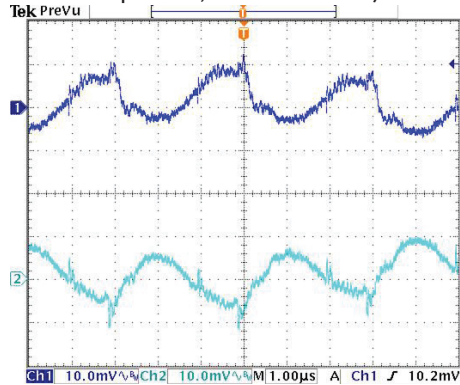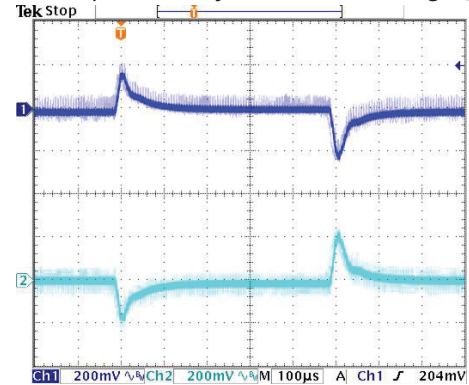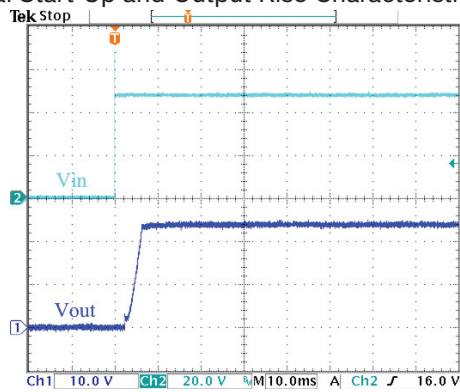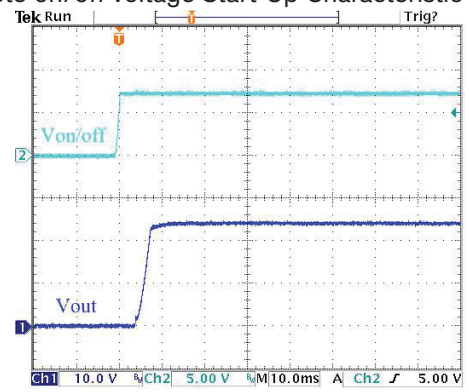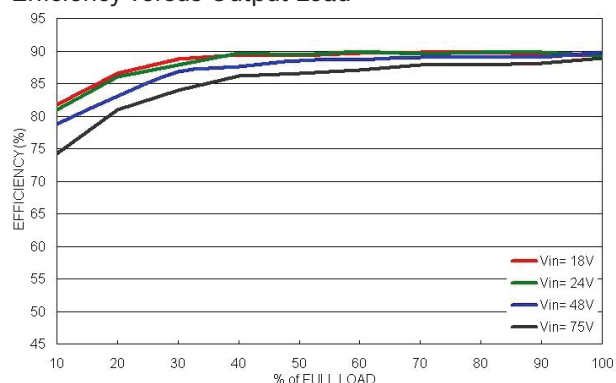
Remote on/off Voltage Start-Up Characteristic

TRACO POWER

THN 20-4823WI

Efficiency versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature (with Heatsink THN-HS1)

Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

THN 20-4823WI

Typical Output Ripple and Noise
(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

Typical Start-Up and Output Rise Characteristic
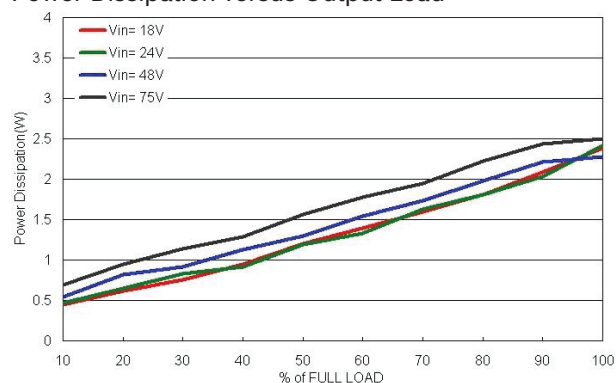

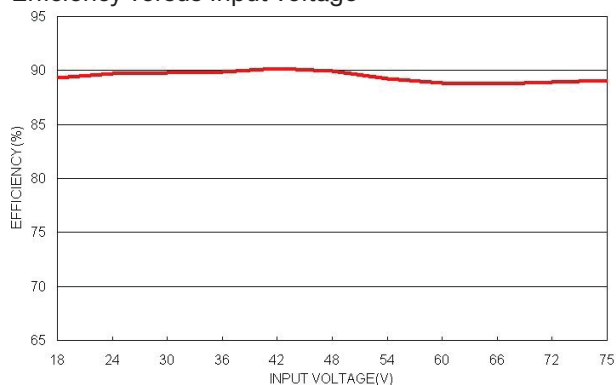Remote on/off Voltage Start-Up Characteristic

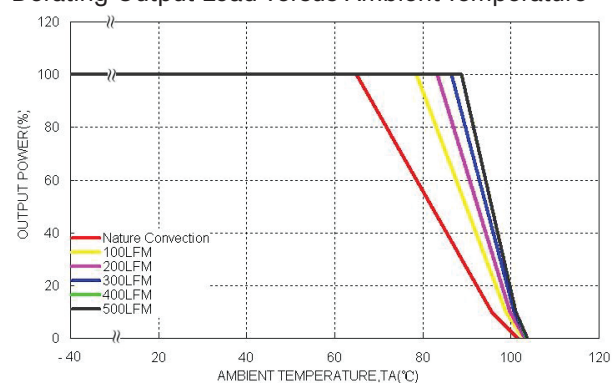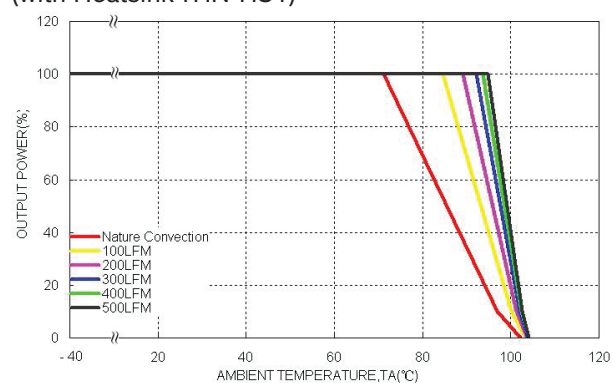## THN 20-4825WI

Efficiency versus Output Load

Efficiency versus Input Voltage

Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature
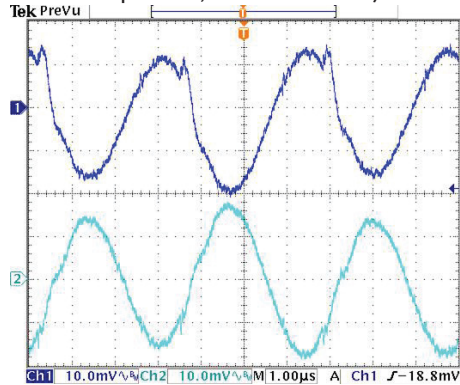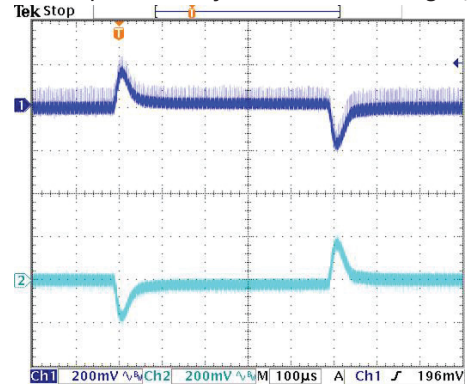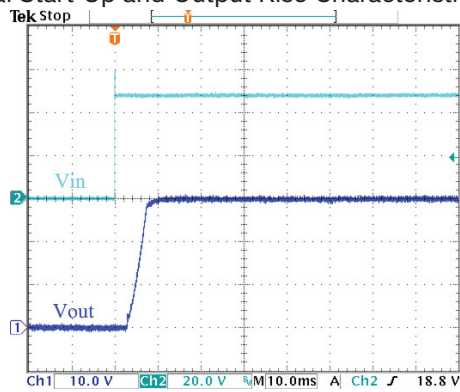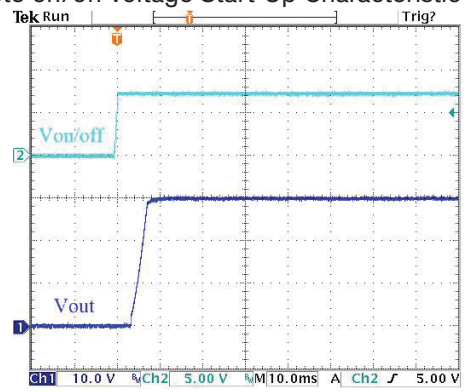

Derating Output Load versus Ambient Temperature (with Heatsink THN-HS1)

THN 20-4825WI

Typical Output Ripple and Noise
(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)
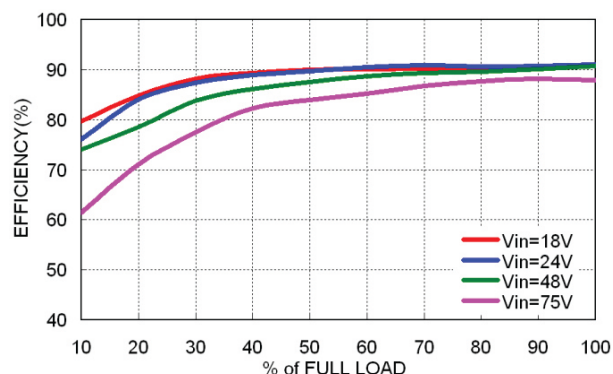

Typical Start-Up and Output Rise Characteristic

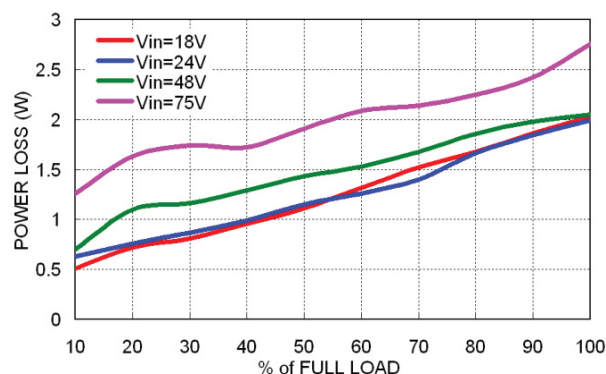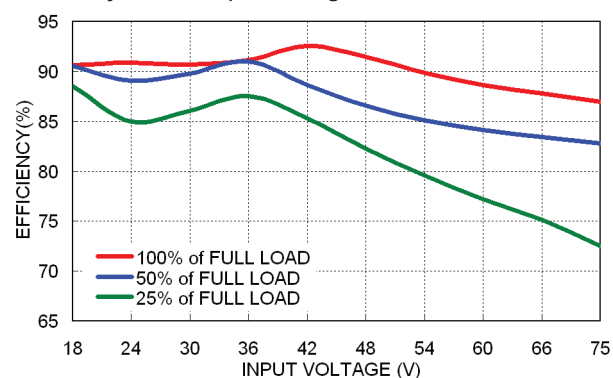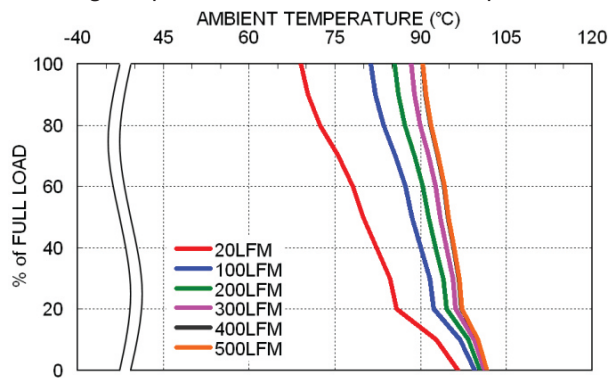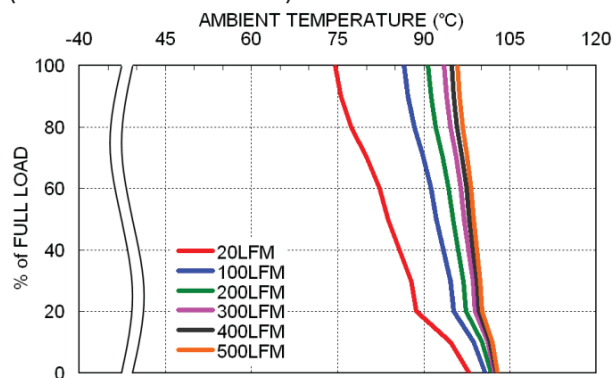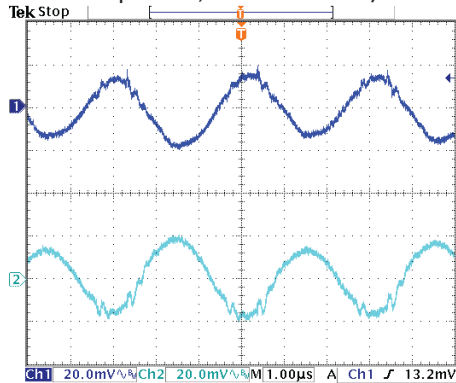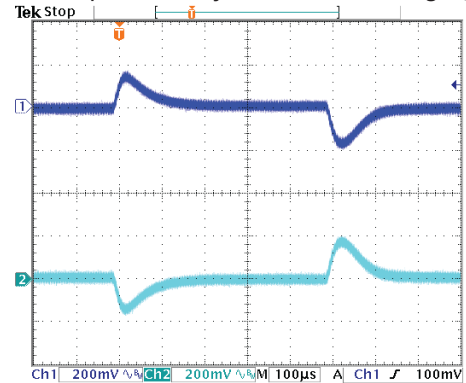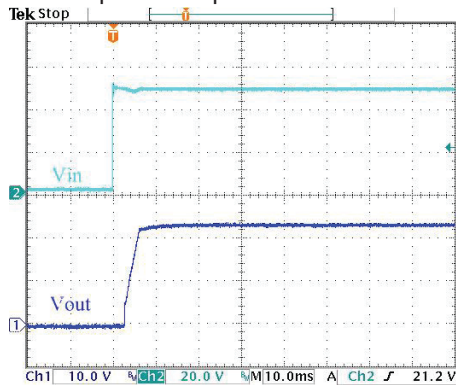Remote on/off Voltage Start-Up Characteristic