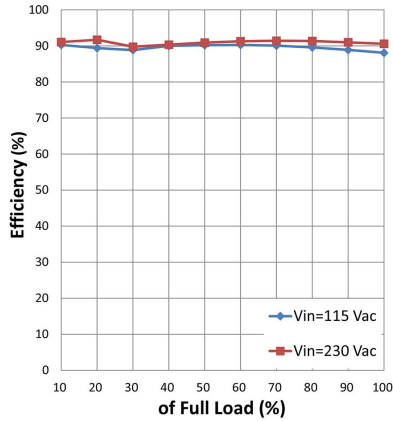


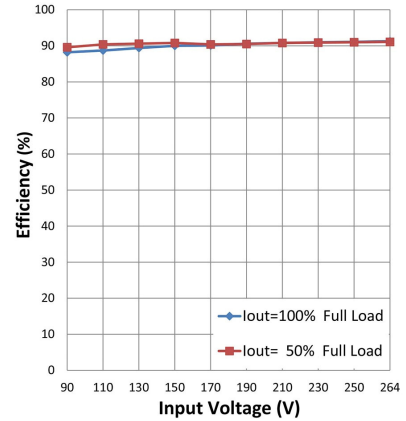
### Characteristic Curves

#### TCI 130-112-J

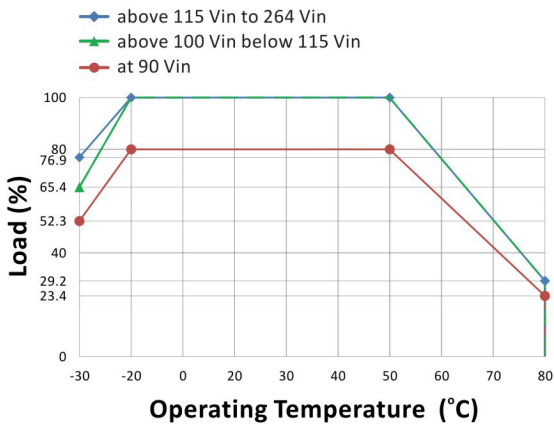
Efficiency versus Output Load



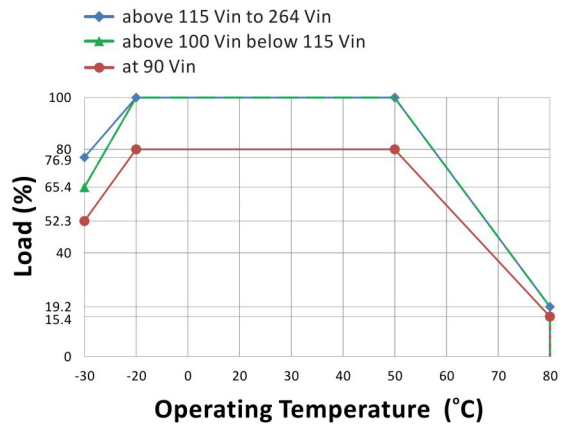
Efficiency versus Input Voltage



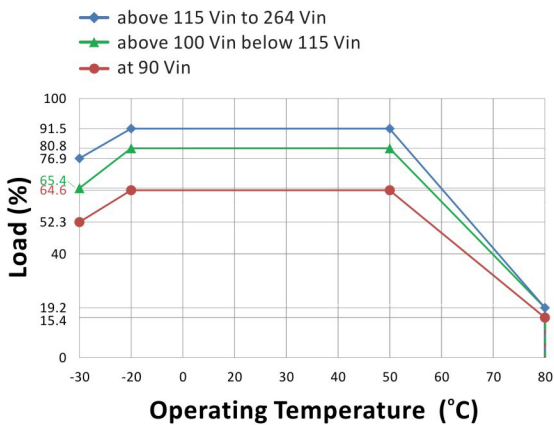
Derating Output Load versus Ambient Temperature  
Forced air cooling (8 CFM)



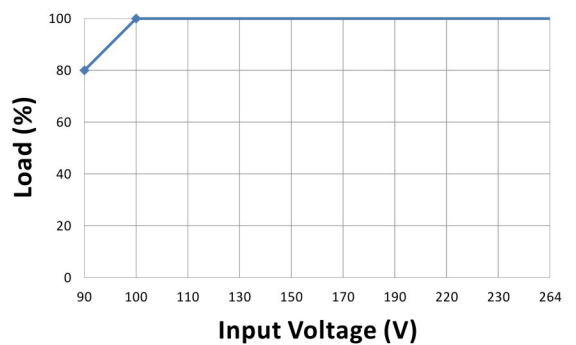
Derating Output Load versus Ambient Temperature  
Conduction cooling  
with base plate (300 x 300 x 3 mm)



Derating Output Load versus Ambient Temperature  
Natural convection (20 LFM)



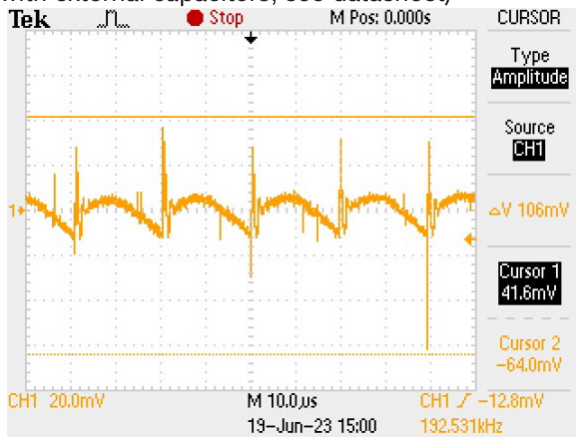
Derating Load versus Input Voltage



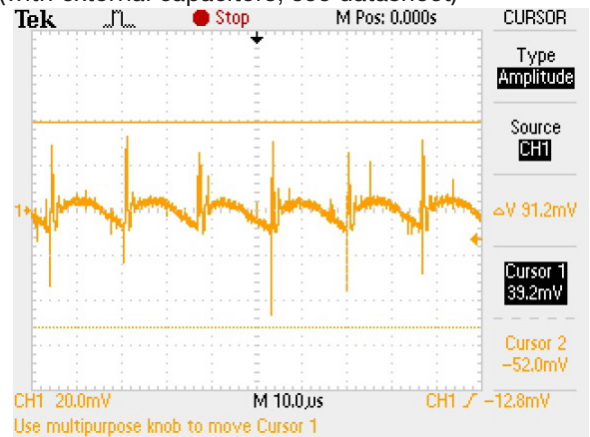
All specifications valid at nominal voltage, resistive full load and +25°C after warm-up time, unless otherwise stated.

### TCI 130-112-J

Typical Output Ripple and Noise at 115 Vin  
(with external capacitors; see datasheet)



Typical Output Ripple and Noise at 230 Vin  
(with external capacitors; see datasheet)



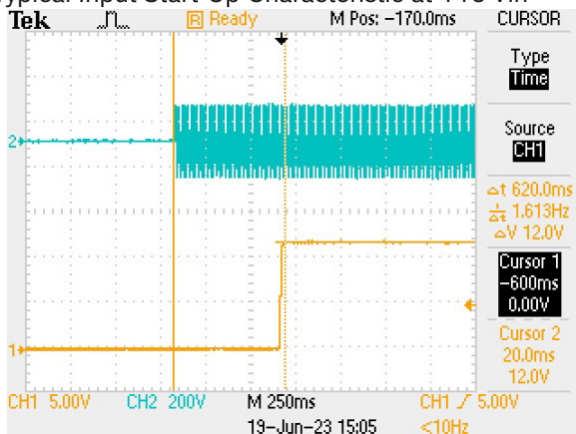
Transient Response (75% load step) at 115 Vin



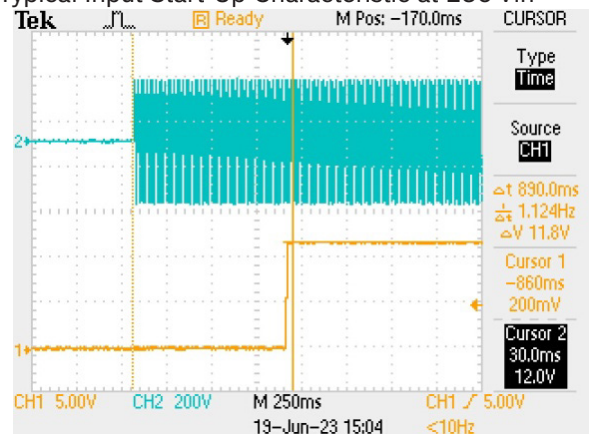
Transient Response (75% load step) at 230 Vin



Typical Input Start-Up Characteristic at 115 Vin



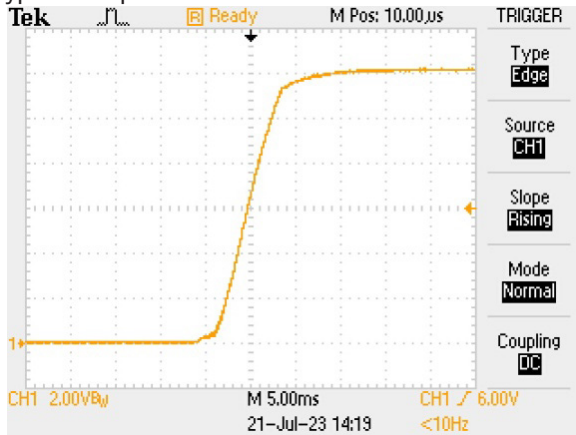
Typical Input Start-Up Characteristic at 230 Vin



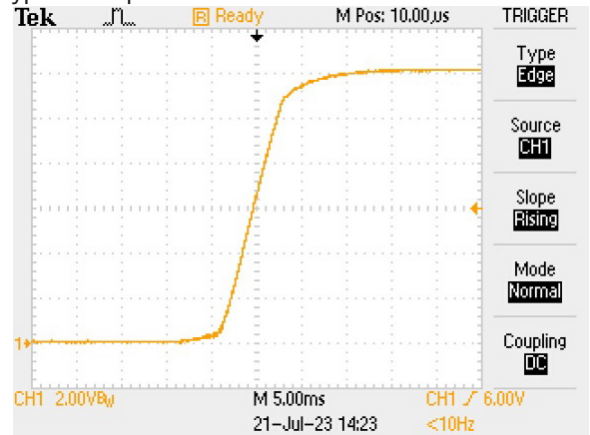
All specifications valid at nominal voltage, resistive full load and +25°C after warm-up time, unless otherwise stated.

### TCI 130-112-J

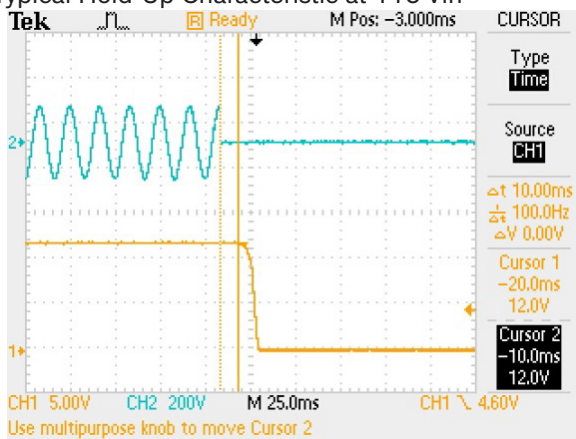
Typical Output Rise Characteristic at 115 Vin



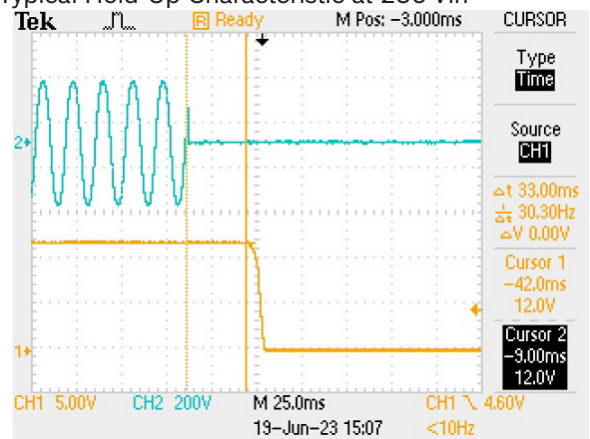
Typical Output Rise Characteristic at 230 Vin



Typical Hold-Up Characteristic at 115 Vin

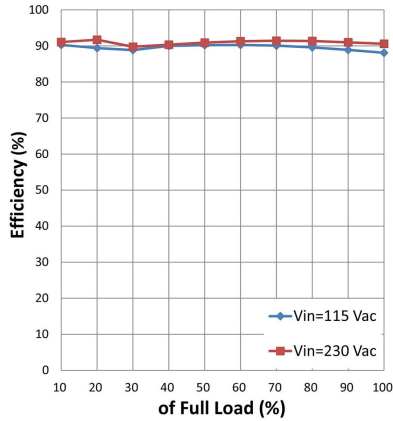


Typical Hold-Up Characteristic at 230 Vin

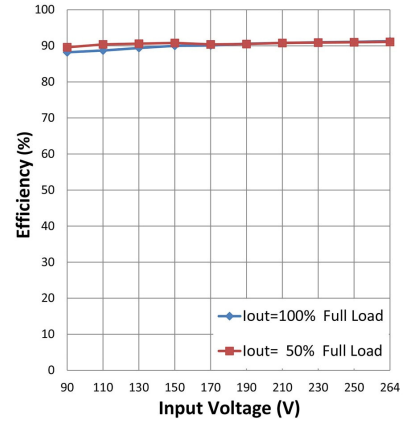


### On demand 12 Vout model with U-Bracket

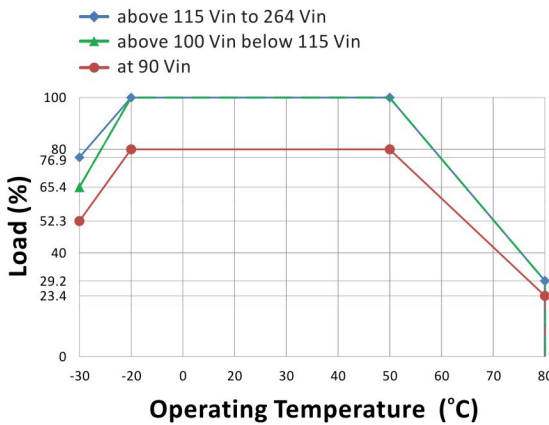
Efficiency versus Output Load



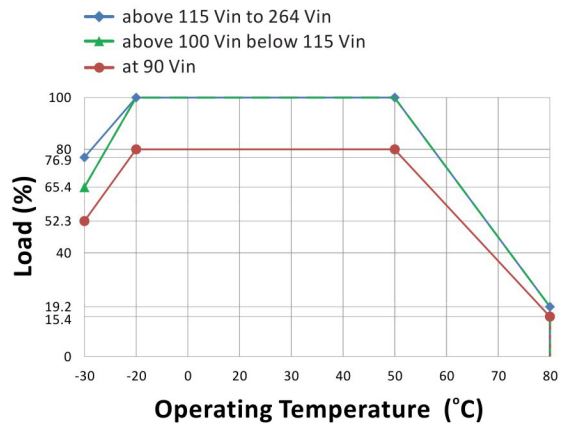
Efficiency versus Input Voltage



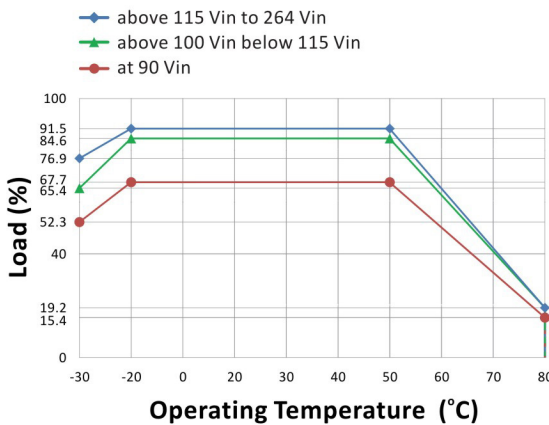
Derating Output Load versus Ambient Temperature  
Forced air cooling (8 CFM)



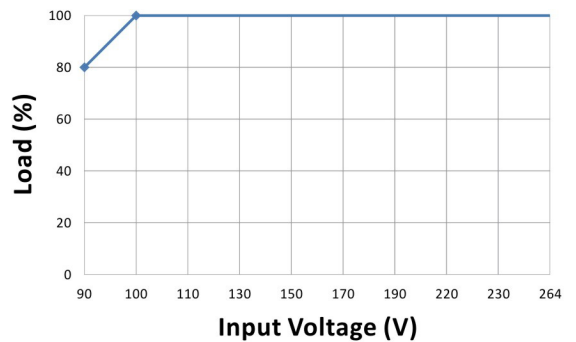
Derating Output Load versus Ambient Temperature  
Conduction cooling  
with base plate (300 x 300 x 3 mm)



Derating Output Load versus Ambient Temperature  
Natural convection (20 LFM)



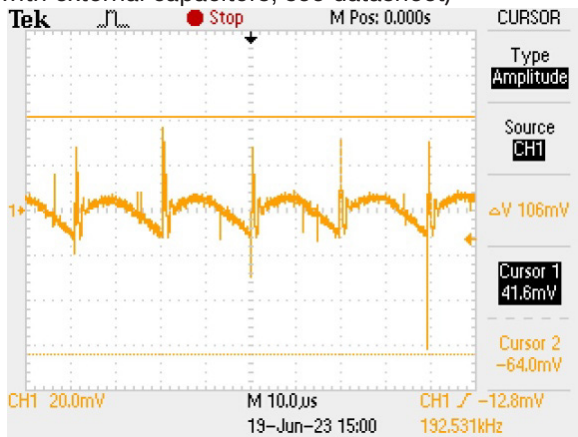
Derating Load versus Input Voltage



All specifications valid at nominal voltage, resistive full load and +25°C after warm-up time, unless otherwise stated.

### On demand 12 Vout model with U-Bracket

Typical Output Ripple and Noise at 115 Vin  
(with external capacitors; see datasheet)



Typical Output Ripple and Noise at 230 Vin  
(with external capacitors; see datasheet)



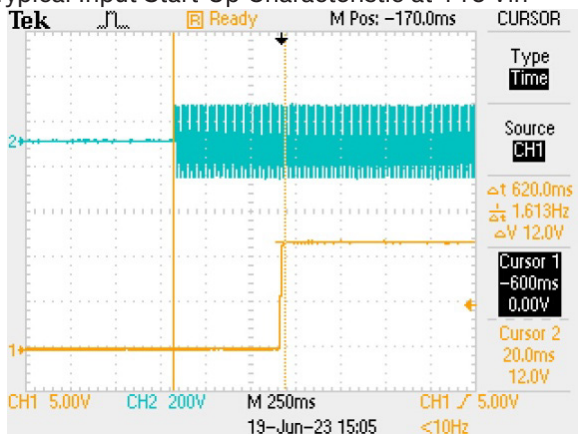
Transient Response (75% load step) at 115 Vin



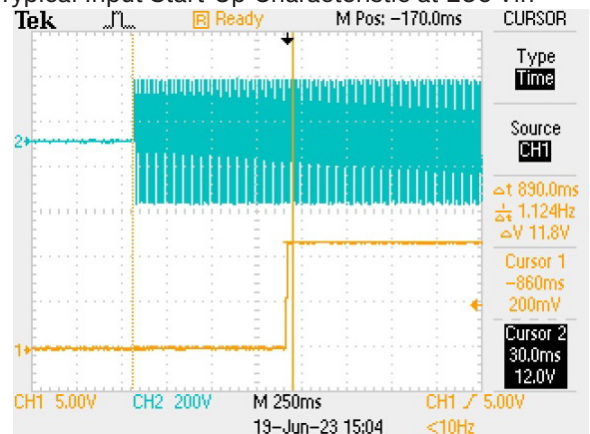
Transient Response (75% load step) at 230 Vin



Typical Input Start-Up Characteristic at 115 Vin



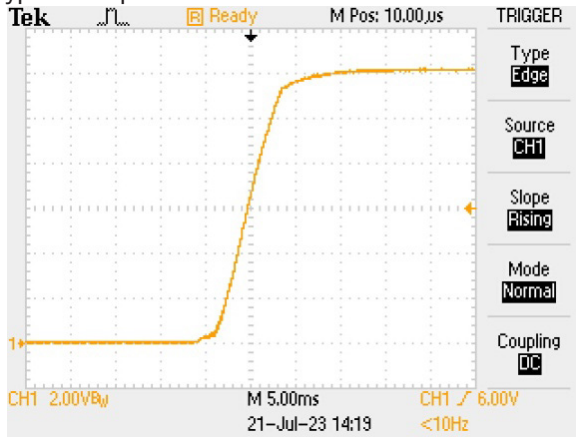
Typical Input Start-Up Characteristic at 230 Vin



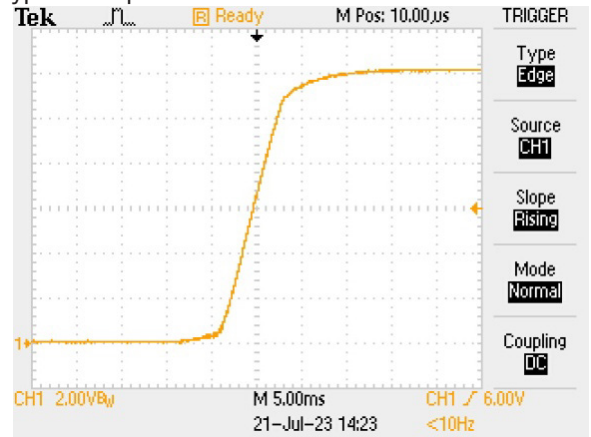
All specifications valid at nominal voltage, resistive full load and +25°C after warm-up time, unless otherwise stated.

### On demand 12 Vout model with U-Bracket

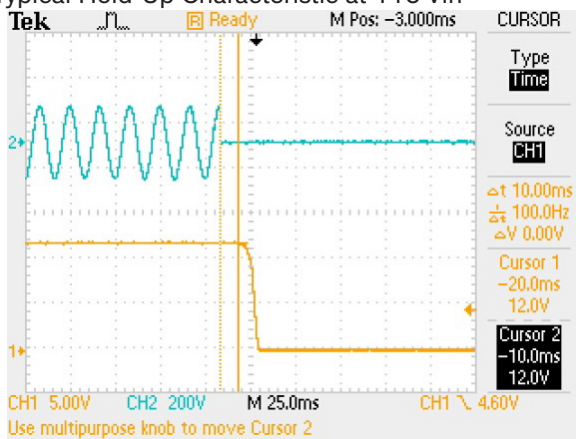
Typical Output Rise Characteristic at 115 Vin



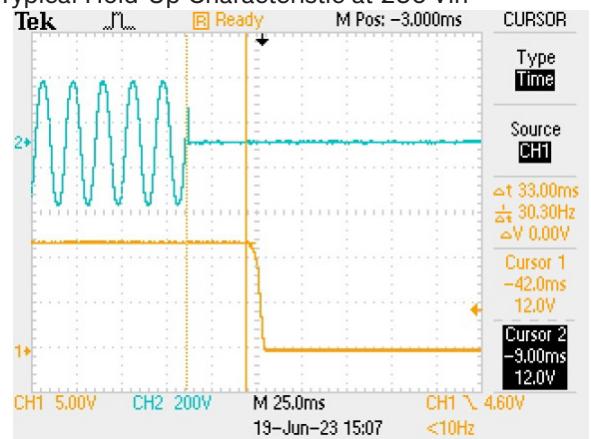
Typical Output Rise Characteristic at 230 Vin



Typical Hold-Up Characteristic at 115 Vin

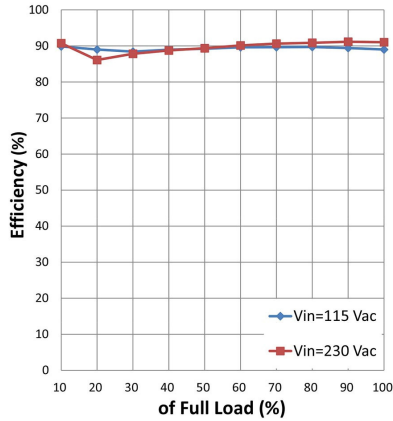


Typical Hold-Up Characteristic at 230 Vin

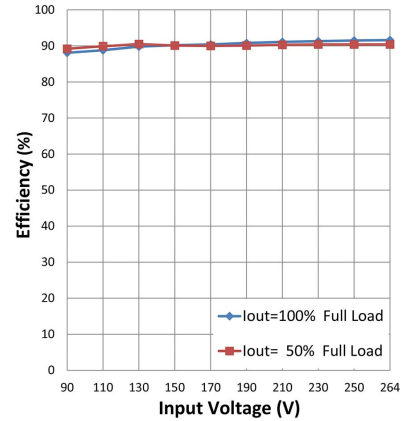


### TCI 130-124-J

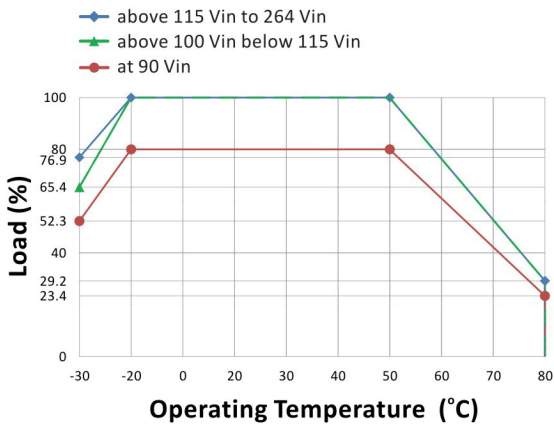
Efficiency versus Output Load



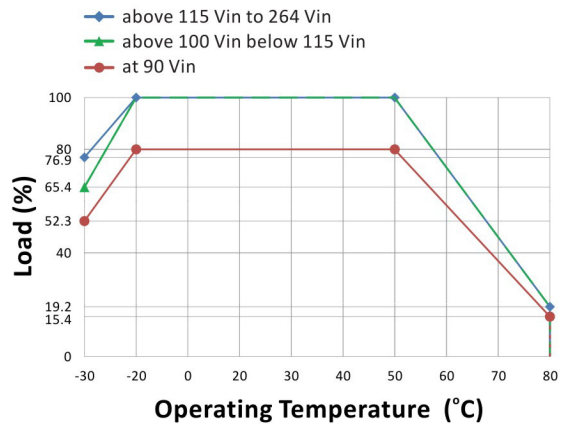
Efficiency versus Input Voltage



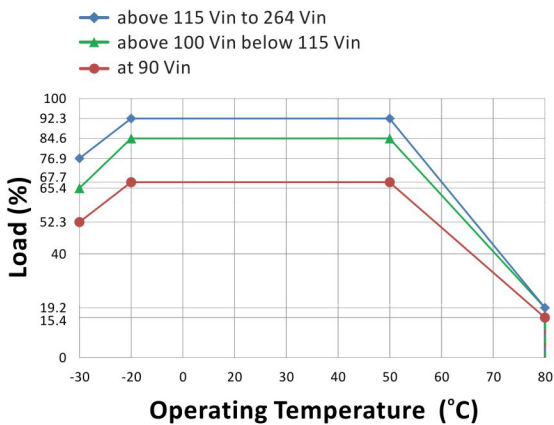
Derating Output Load versus Ambient Temperature  
Forced air cooling (8 CFM)



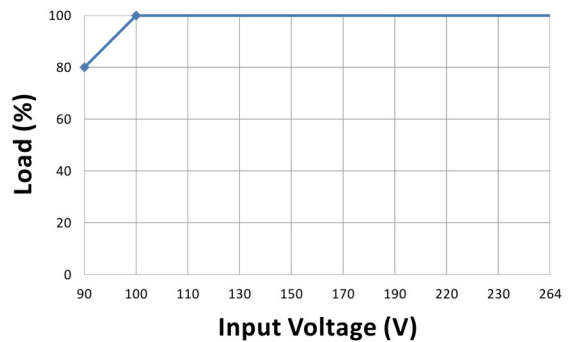
Derating Output Load versus Ambient Temperature  
Conduction cooling  
with base plate (300 x 300 x 3 mm)



Derating Output Load versus Ambient Temperature  
Natural convection (20 LFM)



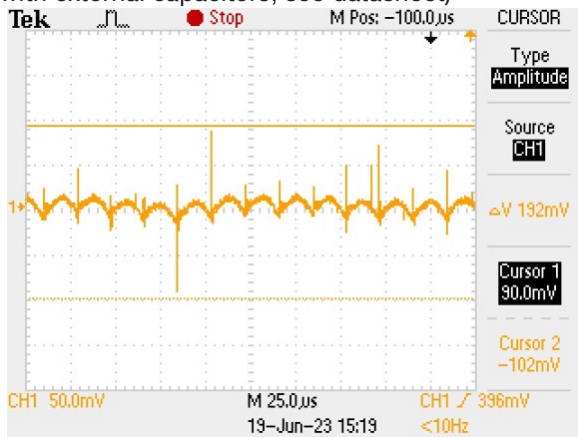
Derating Load versus Input Voltage



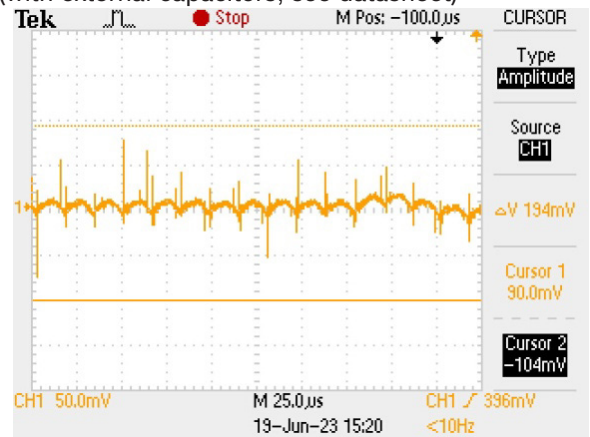
All specifications valid at nominal voltage, resistive full load and +25°C after warm-up time, unless otherwise stated.

### TCI 130-124-J

Typical Output Ripple and Noise at 115 Vin  
(with external capacitors; see datasheet)



Typical Output Ripple and Noise at 230 Vin  
(with external capacitors; see datasheet)



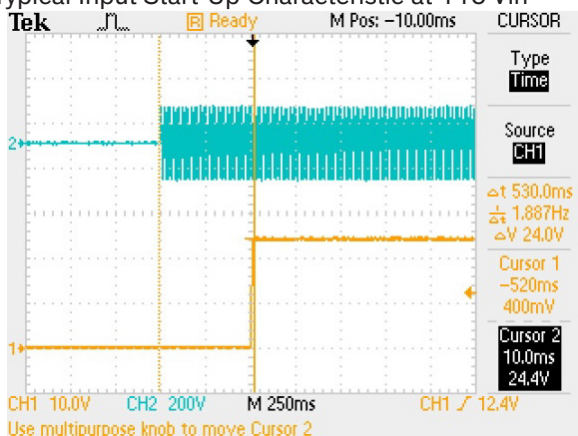
Transient Response (75% load step) at 115 Vin



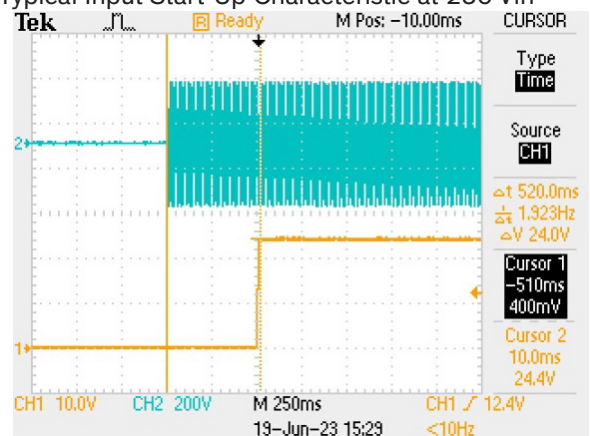
Transient Response (75% load step) at 230 Vin



Typical Input Start-Up Characteristic at 115 Vin



Typical Input Start-Up Characteristic at 230 Vin

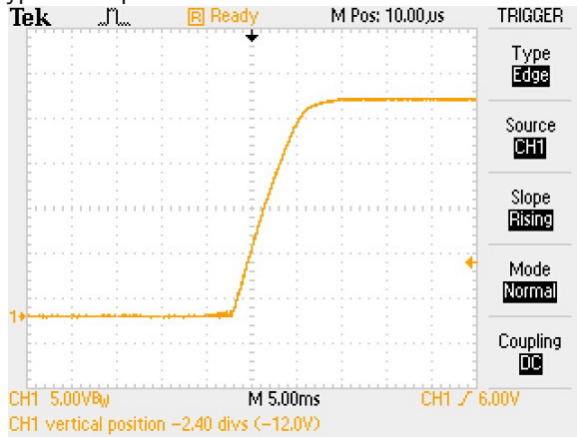


All specifications valid at nominal voltage, resistive full load and +25°C after warm-up time, unless otherwise stated.

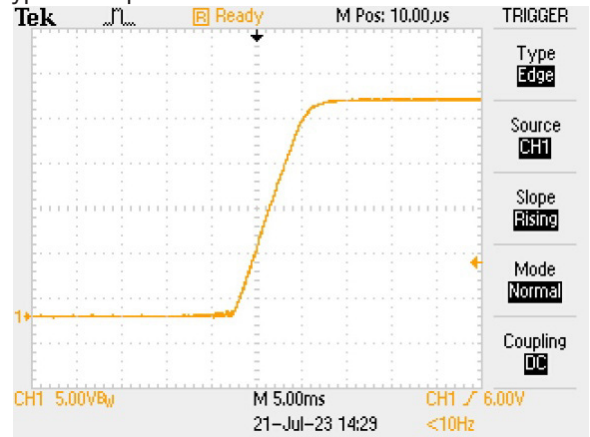


### TCI 130-124-J

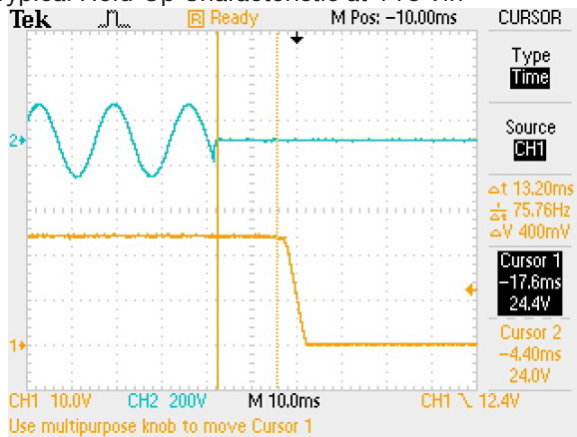
Typical Output Rise Characteristic at 115 Vin



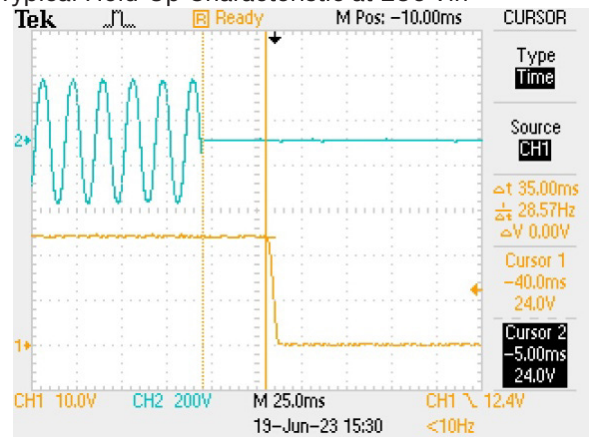
Typical Output Rise Characteristic at 230 Vin



Typical Hold-Up Characteristic at 115 Vin

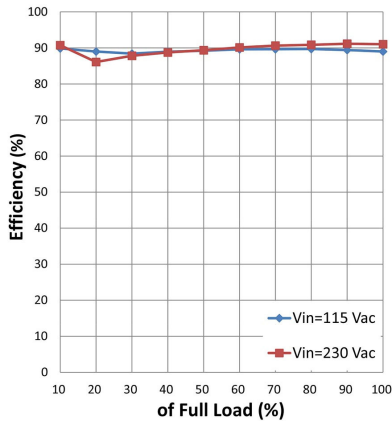


Typical Hold-Up Characteristic at 230 Vin

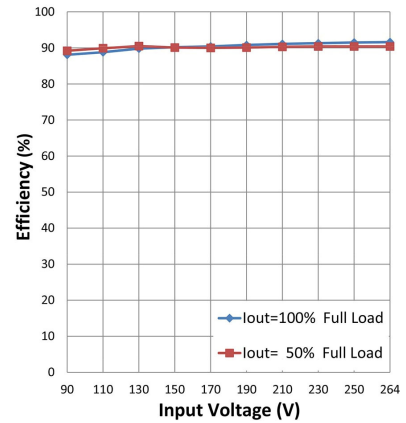


### On demand 24 Vout model with U-Bracket

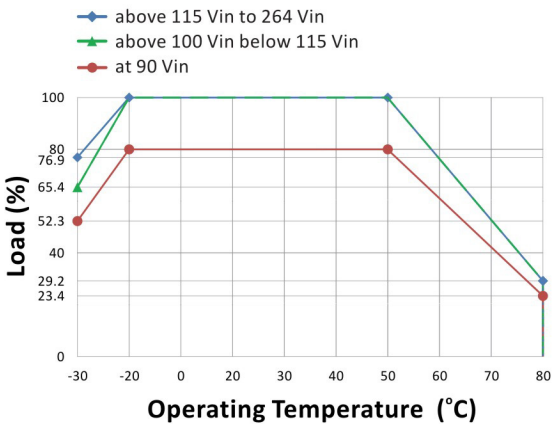
Efficiency versus Output Load



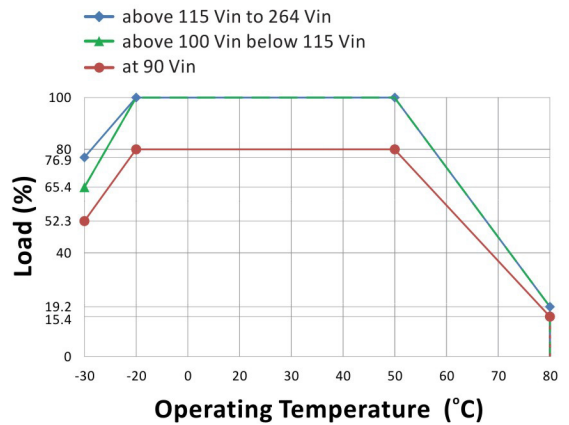
Efficiency versus Input Voltage



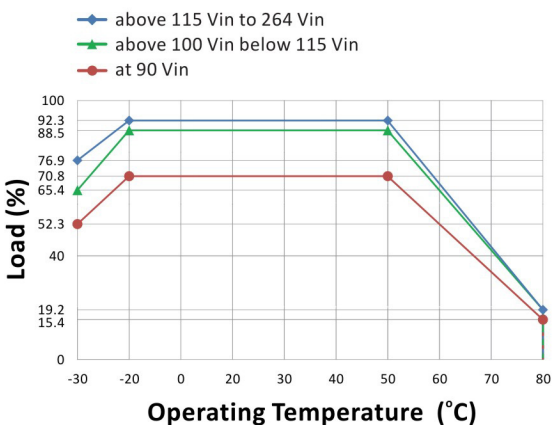
Derating Output Load versus Ambient Temperature  
Forced air cooling (8 CFM)



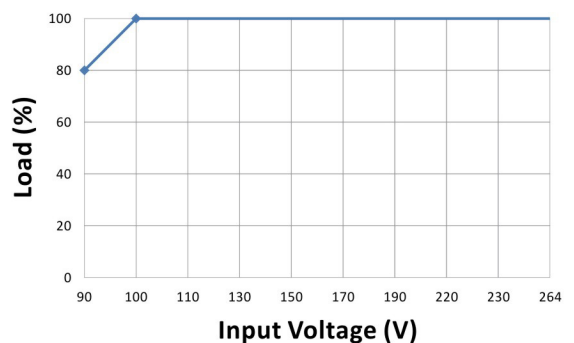
Derating Output Load versus Ambient Temperature  
Conduction cooling  
with base plate (300 x 300 x 3 mm)



Derating Output Load versus Ambient Temperature  
Natural convection (20 LFM)



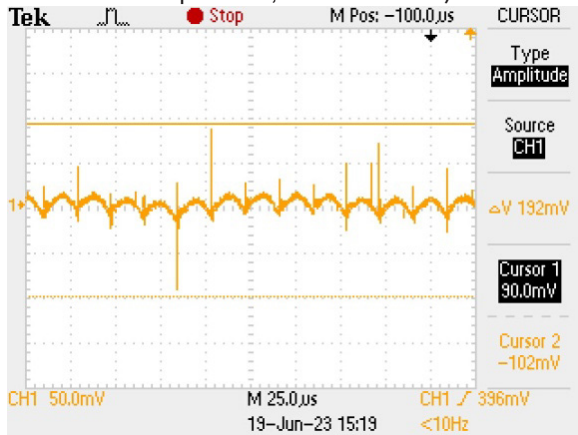
Derating Load versus Input Voltage



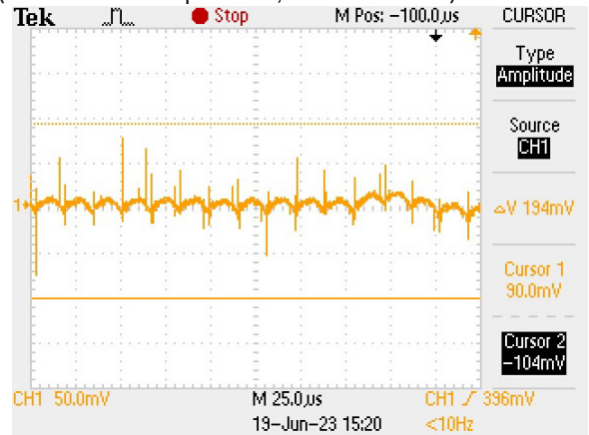
All specifications valid at nominal voltage, resistive full load and +25°C after warm-up time, unless otherwise stated.

### On demand 24 Vout model with U-Bracket

Typical Output Ripple and Noise at 115 Vin  
(with external capacitors; see datasheet)



Typical Output Ripple and Noise at 230 Vin  
(with external capacitors; see datasheet)



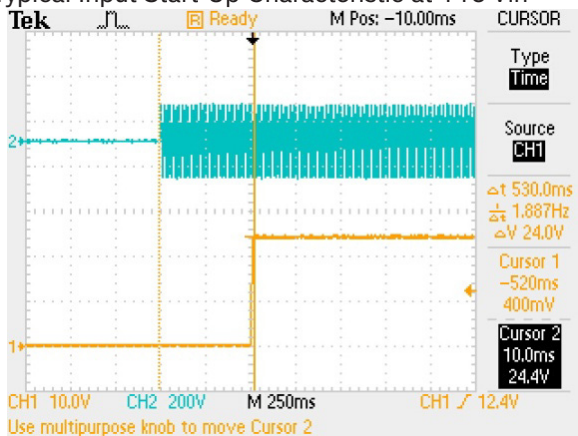
Transient Response (75% load step) at 115 Vin



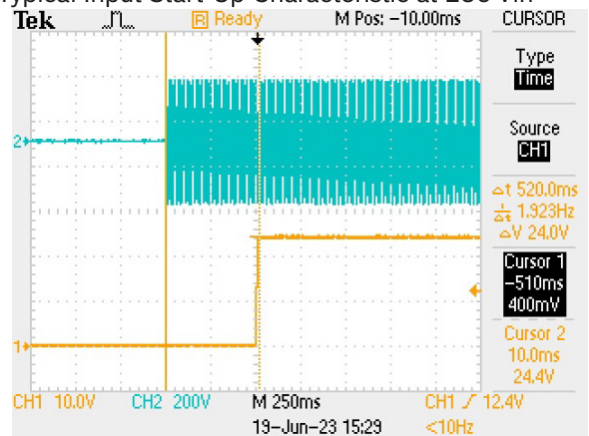
Transient Response (75% load step) at 230 Vin



Typical Input Start-Up Characteristic at 115 Vin



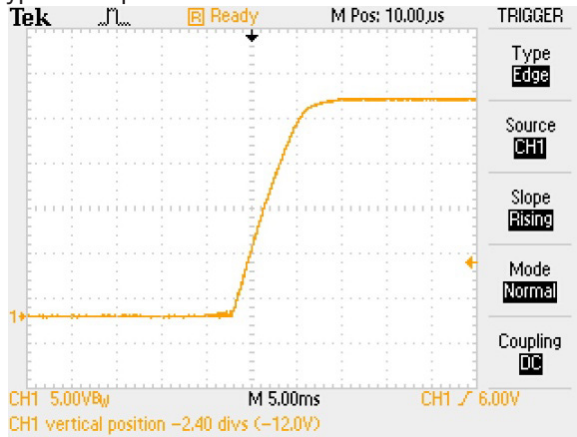
Typical Input Start-Up Characteristic at 230 Vin



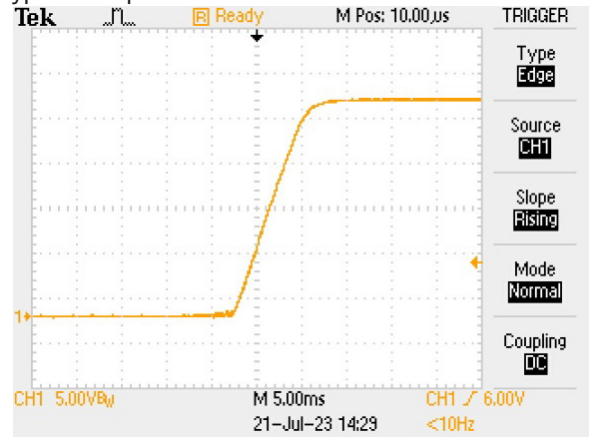
All specifications valid at nominal voltage, resistive full load and +25°C after warm-up time, unless otherwise stated.

### On demand 24 Vout model with U-Bracket

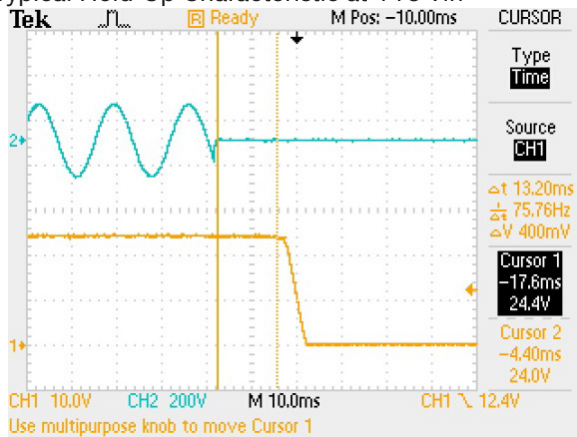
Typical Output Rise Characteristic at 115 Vin



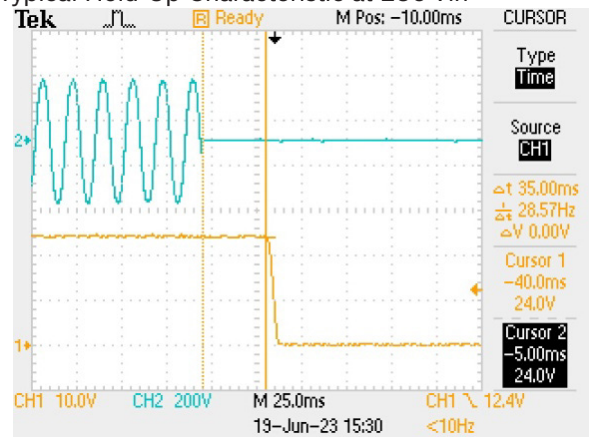
Typical Output Rise Characteristic at 230 Vin



Typical Hold-Up Characteristic at 115 Vin

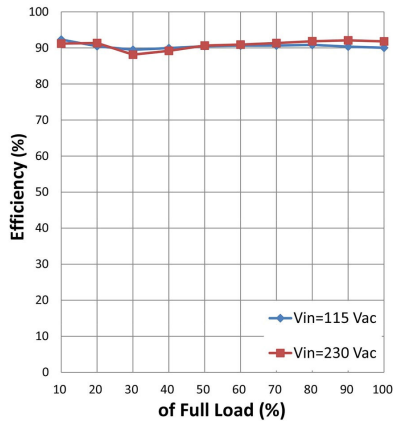


Typical Hold-Up Characteristic at 230 Vin

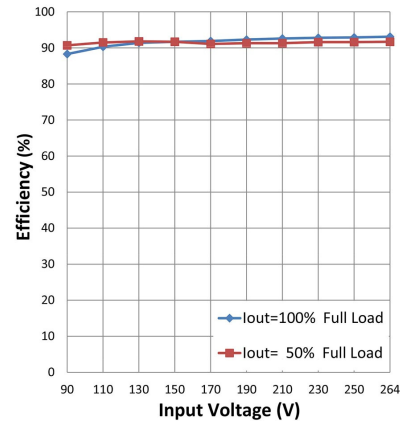


### TCI 130-148-J

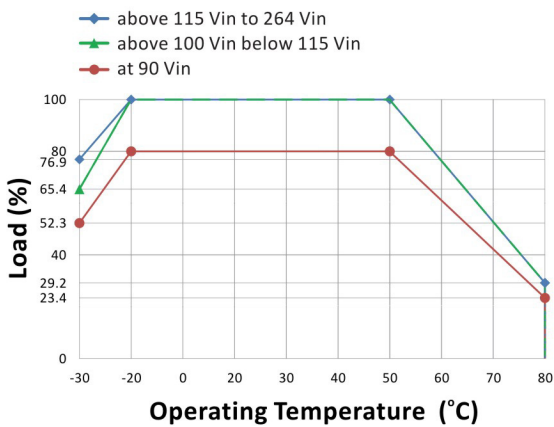
Efficiency versus Output Load



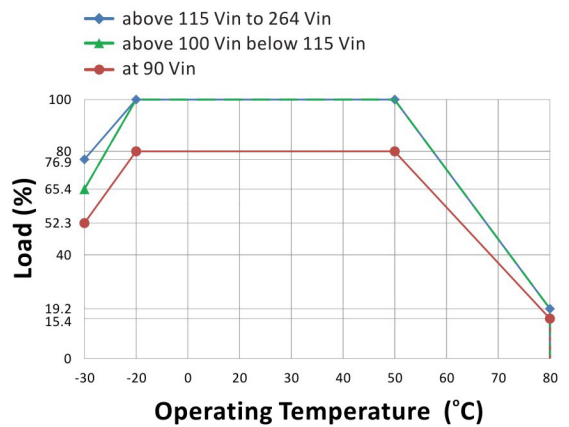
Efficiency versus Input Voltage



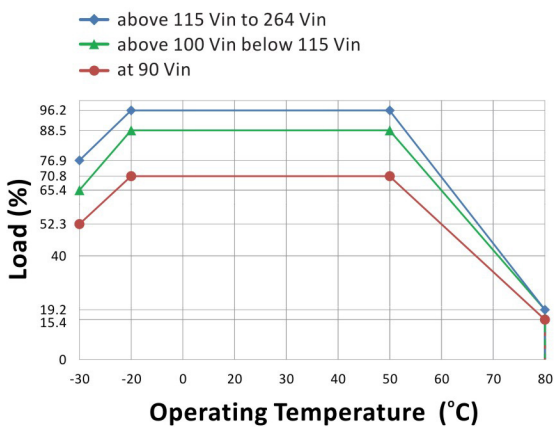
Derating Output Load versus Ambient Temperature  
Forced air cooling (8 CFM)



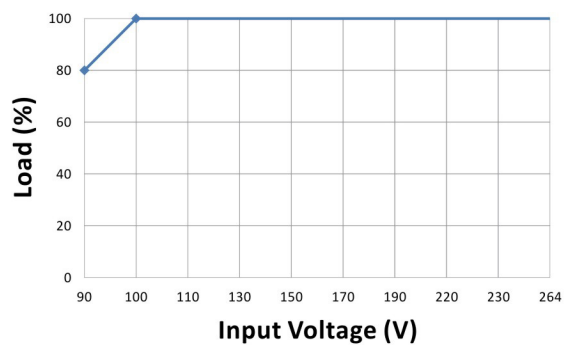
Derating Output Load versus Ambient Temperature  
Conduction cooling  
with base plate (300 x 300 x 3 mm)



Derating Output Load versus Ambient Temperature  
Natural convection (20 LFM)



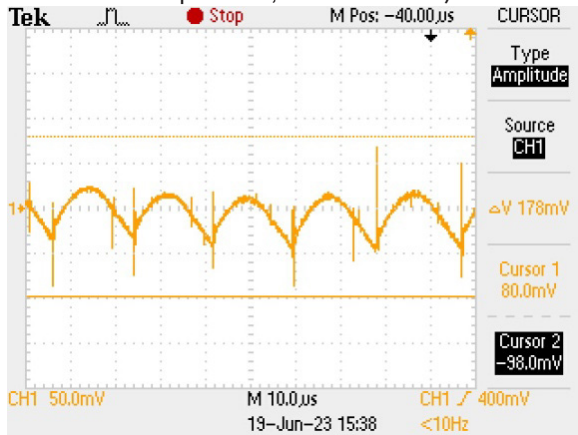
Derating Load versus Input Voltage



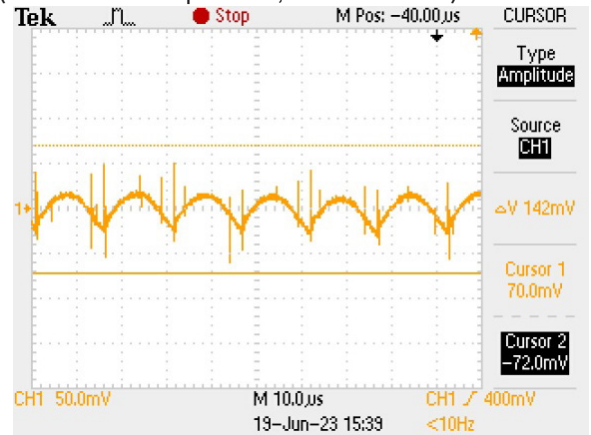
All specifications valid at nominal voltage, resistive full load and +25°C after warm-up time, unless otherwise stated.

### TCI 130-148-J

Typical Output Ripple and Noise at 115 Vin  
(with external capacitors; see datasheet)



Typical Output Ripple and Noise at 230 Vin  
(with external capacitors; see datasheet)



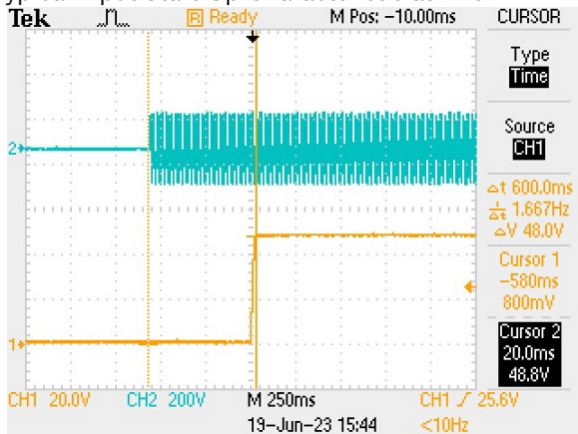
Transient Response (75% load step) at 115 Vin



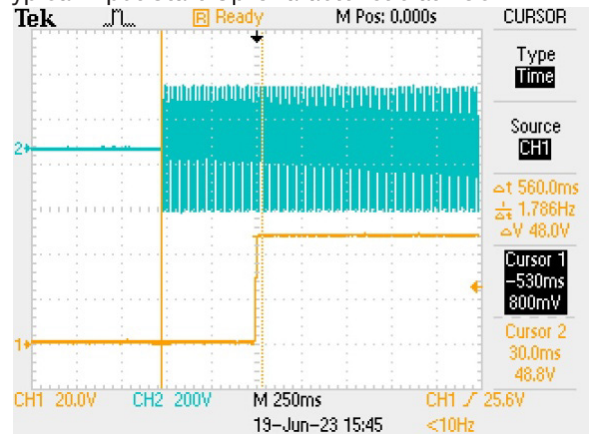
Transient Response (75% load step) at 230 Vin



Typical Input Start-Up Characteristic at 115 Vin



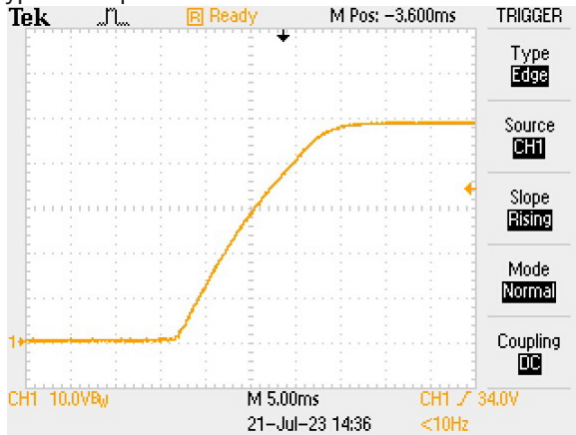
Typical Input Start-Up Characteristic at 230 Vin



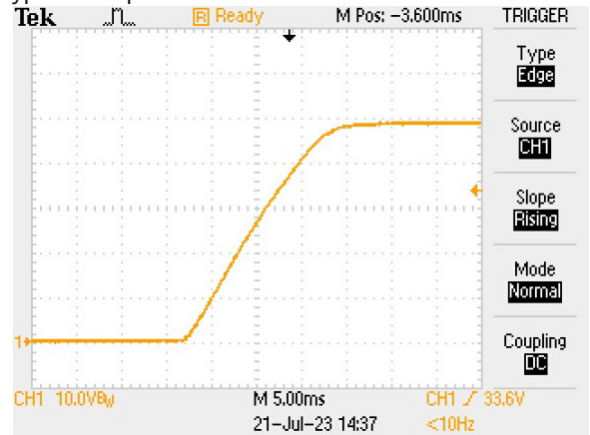
All specifications valid at nominal voltage, resistive full load and +25°C after warm-up time, unless otherwise stated.

### TCI 130-148-J

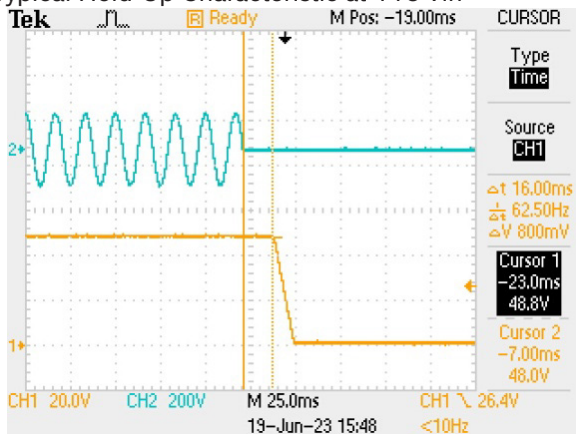
Typical Output Rise Characteristic at 115 Vin



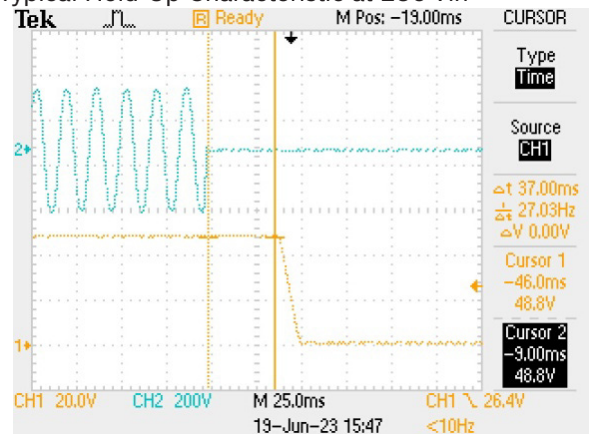
Typical Output Rise Characteristic at 230 Vin



Typical Hold-Up Characteristic at 115 Vin

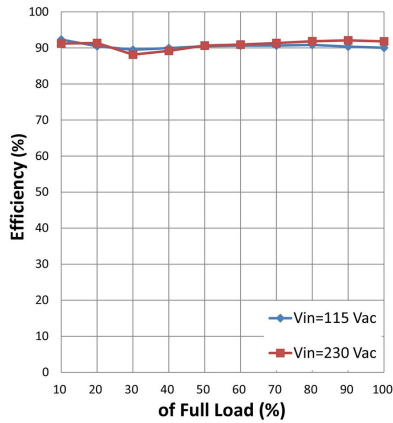


Typical Hold-Up Characteristic at 230 Vin

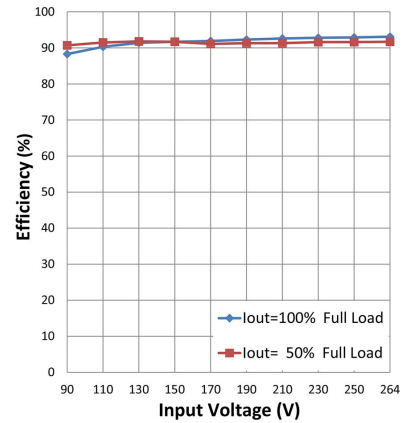


### On demand 48 Vout model with U-Bracket

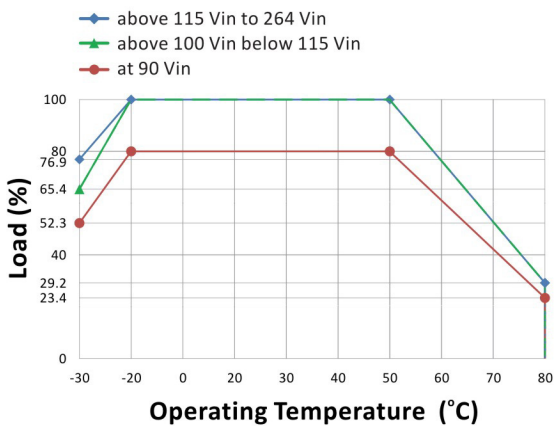
Efficiency versus Output Load



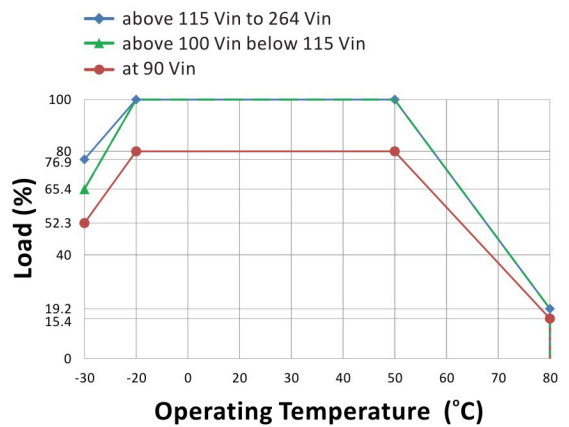
Efficiency versus Input Voltage



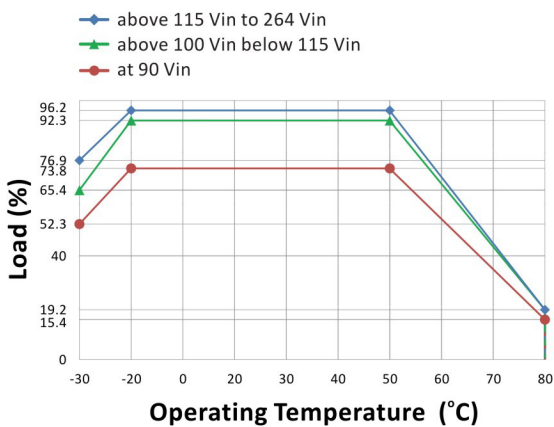
Derating Output Load versus Ambient Temperature  
Forced air cooling (8 CFM)



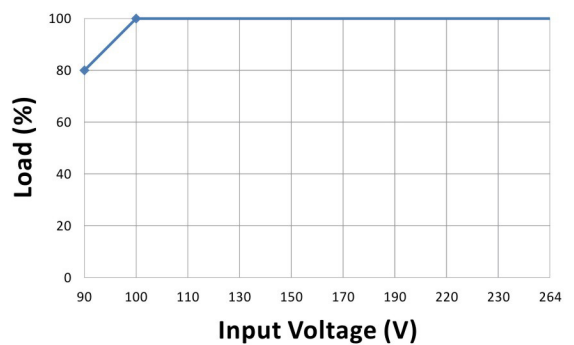
Derating Output Load versus Ambient Temperature  
Conduction cooling  
with base plate (300 x 300 x 3 mm)



Derating Output Load versus Ambient Temperature  
Natural convection (20 LFM)



Derating Load versus Input Voltage

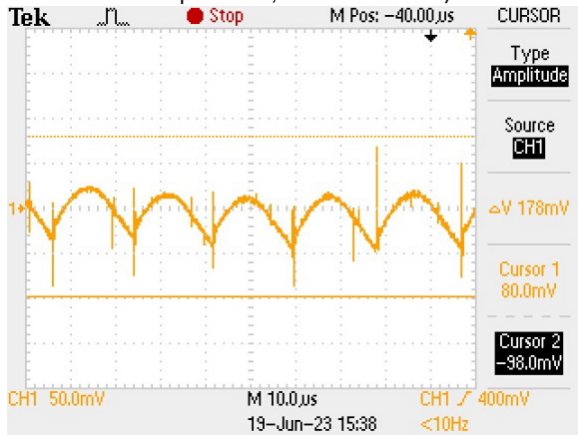


All specifications valid at nominal voltage, resistive full load and +25°C after warm-up time, unless otherwise stated.

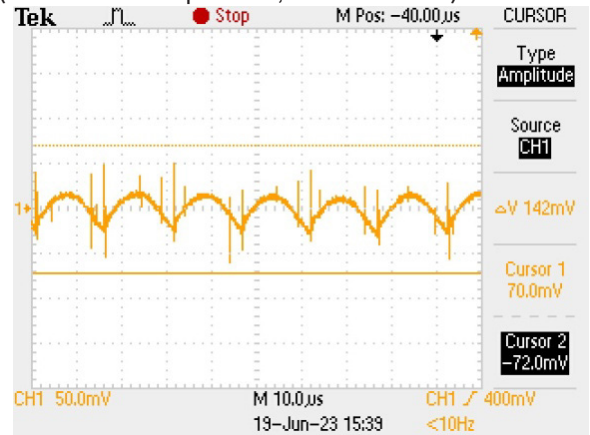


### On demand 48 Vout model with U-Bracket

Typical Output Ripple and Noise at 115 Vin  
(with external capacitors; see datasheet)



Typical Output Ripple and Noise at 230 Vin  
(with external capacitors; see datasheet)



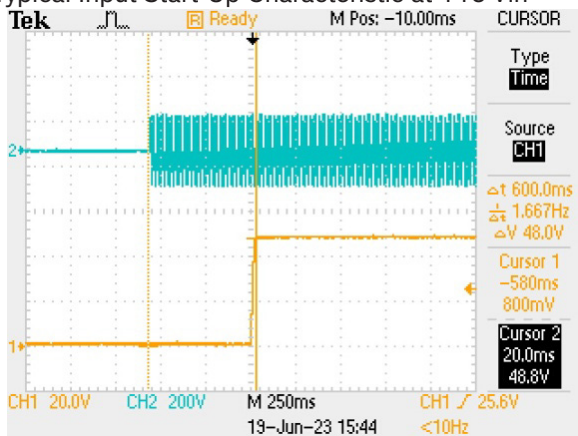
Transient Response (75% load step) at 115 Vin



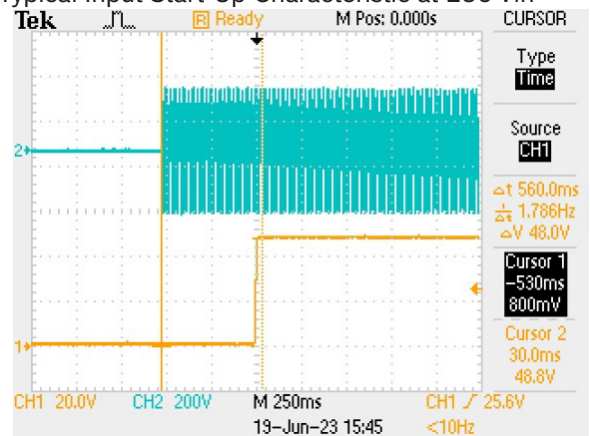
Transient Response (75% load step) at 230 Vin



Typical Input Start-Up Characteristic at 115 Vin



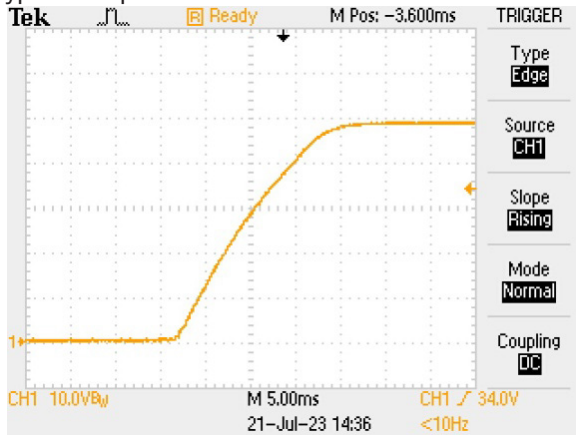
Typical Input Start-Up Characteristic at 230 Vin



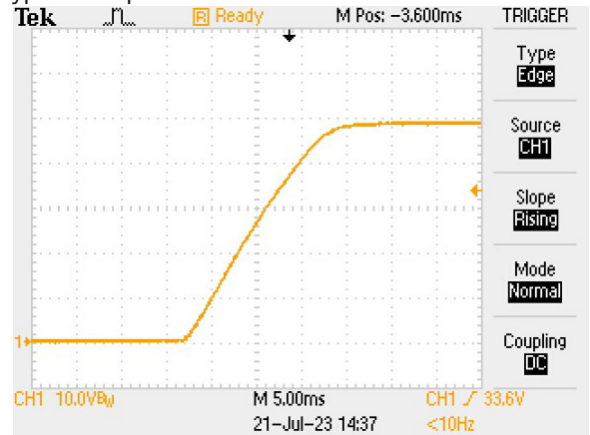
All specifications valid at nominal voltage, resistive full load and +25°C after warm-up time, unless otherwise stated.

### On demand 48 Vout model with U-Bracket

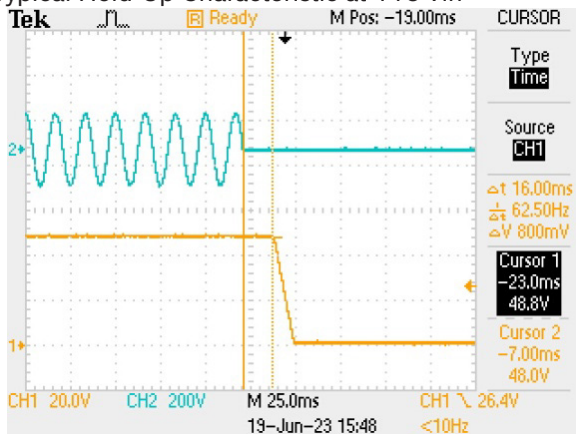
Typical Output Rise Characteristic at 115 Vin



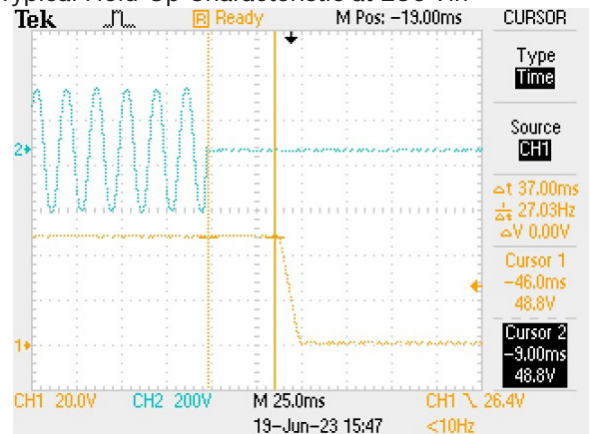
Typical Output Rise Characteristic at 230 Vin



Typical Hold-Up Characteristic at 115 Vin



Typical Hold-Up Characteristic at 230 Vin



All specifications valid at nominal voltage, resistive full load and +25°C after warm-up time, unless otherwise stated.