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## IHP-570

## **Internal Mount** Air Conditioner/Heat Exchanger

Air Cooled Internal Mounted Nema-12, 4, 4X

24 VDC High Efficiency 240 BTU/HR

- Compact (only 17.4" X 8" X 7.8")
- Mounts and operates in any orientation, inside enclosure
- · Available in two installation styles:
  - **Style A:** Installs from inside of the enclosure **Style B:** Installs from outside of the enclosure
- · Low vibration and noise
- No moving parts except fans
- · Environmentally safe
- No compressor, fluorocarbons or filters
- · Virtually maintenance-free operation
- · Stainless steel housing
- Efficient heat exchanger mode (ECO-Mode)
- Weight 16 LBS.

### CONTROL TEMPERATURES

Active Cooling	35 °C
Heat Exchanger (ECO-Mode)	25 °C
Active Heating	10 °C
Typical Hysteresis	5 ℃
Operating Ambient	-40/+70 °C
Operating Enclosure	-10/+60 °C

### POWER INPUTS

Voltage	24 VDC
Current, Active	3.0 AMPS
Current, ECO-Mode	0.3 AMPS

### PERFORMANCE RATINGS

Cooling (Traditional) 240 BTU/HR Cooling (Din 3168) 70 WATTS Cooling COP (at L35 L35) 0.97 Heating (Traditional) > 245 BTU/HR Heating (Din 3168) > 72 WATTS Heating COP > 1.0

### INCLUDES

- · Temperature controller
- · Mounting gasket
- · Mounting hardware
- Power input leads
- · Power saving heat exchanger mode (ECO-Mode)



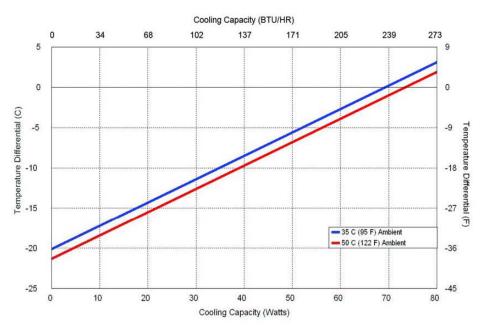


Picture above shows both installation styles Shown on the left is the **Style A** (installs from inside of the enclosure) Shown on the right is the **Style B** (installs from outside of the enclosure)

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**TECA** 1-888-TECA-USA (832-2872)

### PERFORMANCE CURVE



Equation of Lin-	<b>e</b> : y=ΔT(°C) x=	Capacity (Watts)
Ambient Temp	35°C	50°C
IHP-570	y=. 29x-20.1	y=.29x-21.3

### Air Conditioner - Air Cooled

### IHP-570

### MOUNTING STYLE

Internal Mounted

### **ENVIRONMENTS SERVED**

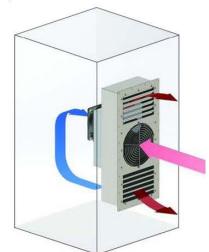
NEMA-12 IP 52 NEMA-4,4X IP 56

### RATING (TRADITIONAL)

240 BTU/hr @ 0 °F ΔT 367 BTU/hr @ +20 °F ΔT

### RATING (DIN 3168)

70 Watts L35 L35 22 Watts L35 L50



Air Flow Pattern

### CONFIGURATIONS

MODEL	PART NUMBER	NOTES	INSTALLATION STYLE	TEMPERATURE CONTROL	ENVIRONMENT
IHP-570	B-G0J5-0-000	Cool only, industrial fans	Α	TC-4F	NEMA-12, IP 52
IHP-570HC	B-G095-1-000	Heat/Cool, industrial fans	A	None*	NEMA-12, IP 52
IHP-570HC	B-G0I5-1-000	Heat/Cool, industrial fans	A	TC-7F	NEMA-12, IP 52
IHP-570XE	B-G0J5-4-000	Cool only, sealed hot side fan	A	TC-4F	NEMA-4, IP 56
IHP-570XEHC	B-G095-5-000	Heat/Cool, sealed hot side fan	A	None*	NEMA-4, IP 56
IHP-570XEHC	B-G0I5-5-000	Heat/Cool, sealed hot side fan	A	TC-7F	NEMA-4, IP 56
IHP-570X	B-G0J5-2-000	Cool only, Mil. grade hot side fan	A	TC-4F	NEMA-4X, IP 56
IHP-570XHC	B-G095-3-000	Heat/Cool, Mil. grade hot side fan	A	None*	NEMA-4X, IP 56
IHP-570XHC	B-G0I5-3-000	Heat/Cool, Mil. grade hot side fan	A	TC-7F	NEMA-4X, IP 56
IHP-570	B-G0J5-0-100	Cool only, industrial fans	В	TC-4F	NEMA-12, IP 52
IHP-570HC	B-G095-1-100	Heat/Cool, industrial fans	В	None*	NEMA-12, IP 52
IHP-570HC	B-G0I5-1-100	Heat/Cool, industrial fans	В	TC-7F	NEMA-12, IP 52
IHP-570XE	B-G0J5-4-100	Cool only, sealed hot side fan	В	TC-4F	NEMA-4, IP 56
IHP-570XEHC	B-G095-5-100	Heat/Cool, sealed hot side fan	В	None*	NEMA-4, IP 56
IHP-570XEHC	B-G0I5-5-100	Heat/Cool, sealed hot side fan	В	TC-7F	NEMA-4, IP 56
IHP-570X	B-G0J5-2-100	Cool only, Mil. grade hot side fan	В	TC-4F	NEMA-4X, IP 56
IHP-570XHC	B-G095-3-100	Heat/Cool, Mil. grade hot side fan	В	None*	NEMA-4X, IP 56
IHP-570XHC	B-G0I5-3-100	Heat/Cool, Mil. grade hot side fan	В	TC-7F	NEMA-4X, IP 56

<sup>\*</sup> For controller options contact TECA; Heating function via reverse polarity (controller dependent)

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# IHP-590

## **Internal Mount** Air Conditioner/Heat Exchanger

Air Cooled Internal Mounted Nema-12, 4, 4X

24 VDC 315 BTU/HR

#### **FEATURES**

- Compact (only 17.4" X 8" X 7.8")
- · Mounts and operates in any orientation, inside enclosure
- · Available in two installation styles:
  - **Style A:** Installs from inside of the enclosure **Style B:** Installs from outside of the enclosure
- Low vibration and noise
- No moving parts except fans
- · Environmentally safe
- No compressor, fluorocarbons or filters
- · Virtually maintenance-free operation
- · Stainless steel housing
- Efficient heat exchanger mode (ECO-Mode)
- · Weight 16 LBS.



Active Cooling	35 °C
Heat Exchanger (ECO-Mode)	25 °C
Active Heating	10 °C
Typical Hysteresis	5 °C
Operating Ambient	-40/+70 °C
Operating Enclosure	-10/+60 °C

### POWER INPUTS

Voltage 24 VDC Current, Active 6.9 AMPS Current, ECO-Mode 0.3 AMPS

### PERFORMANCE RATINGS

Cooling (Traditional) 315 BTU/HR Cooling (Din 3168) 92 WATTS Cooling COP (at L35 L35) 0.56 Heating (Traditional) > 562 BTU/HR Heating (Din 3168) > 165 WATTS Heating COP > 1.0

### INCLUDES

- · Temperature controller
- · Mounting gasket and hardware
- · Power input leads
- Power saving heat exchanger mode (ECO-Mode)





Picture above shows both installation styles

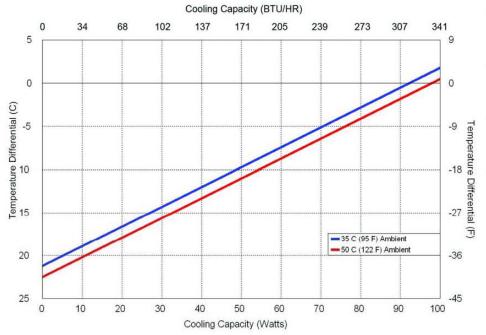
Shown on the left is the **Style A** (installs from inside of the enclosure) Shown on the right is the **Style B** (installs from outside of the enclosure)

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### PERFORMANCE CURVE



Equation of Line	: y=ΔT(°C)	x=Capacity (Watts)
Ambient Temp	35°C	50°C
IHP-590	y=.23x-21.	2 v=.23x-22.5

NOTES

CONFIGURATIONS

PART NUMBER

B-G0I5-5-101

B-G0J5-2-101

B-G095-3-101

B-G0I5-3-101

MODEL

IHP-590XEHC

IHP-590X

IHP-590XHC

IHP-590XHC

### Air Conditioner - Air Cooled

### IHP-590

### MOUNTING STYLE

Internal Mounted

#### **ENVIRONMENTS SERVED**

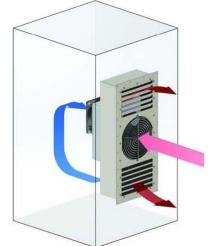
NEMA-12 IP 52 NEMA-4,4X IP 56

#### RATING (TRADITIONAL)

315 BTU/hr @ 0 °F ΔT 479 BTU/hr @ +20 °F ΔT

### **RATING (DIN 3168)**

92 Watts L35 L35 32 Watts L35 L50



Air Flow Pattern

**ENVIRONMENT** 

NEMA-4, IP 56

NEMA-4X, IP 56

NEMA-4X, IP 56

NEMA-4X, IP 56

#### STYLE CONTROL IHP-590 B-G0J5-0-001 Cool only, industrial fans A NEMA-12, IP 52 IHP-590HC B-G095-1-001 Heat/Cool, industrial fans A None\* NEMA-12, IP 52 IHP-590HC Heat/Cool, industrial fans TC-7F B-G0I5-1-001 A NEMA-12, IP 52 IHP-590XE B-G0J5-4-001 Cool only, sealed hot side fan TC-4F A NEMA-4, IP 56 IHP-590XEHC B-G095-5-001 Heat/Cool, sealed hot side fan A None\* NEMA-4, IP 56 IHP-590XEHC B-G0I5-5-001 Heat/Cool, sealed hot side fan TC-7F NEMA-4, IP 56 A IHP-590X B-G0J5-2-001 Cool only, Mil. grade hot side fan A TC-4F NEMA-4X, IP 56 IHP-590XHC B-G095-3-001 Heat/Cool, Mil. grade hot side fan A None\* NEMA-4X, IP 56 IHP-590XHC B-G0I5-3-001 Heat/Cool, Mil. grade hot side fan TC-7F NEMA-4X, IP 56 A IHP-590 B-G0J5-0-101 Cool only, industrial fans В TC-4F NEMA-12, IP 52 IHP-590HC Heat/Cool, industrial fans B-G095-1-101 В None\* NEMA-12, IP 52 IHP-590HC B-G0I5-1-101 Heat/Cool, industrial fans В TC-7F NEMA-12, IP 52 IHP-590XE B-G0J5-4-101 Cool only, sealed hot side fan В TC-4F NEMA-4, IP 56 В IHP-590XEHC B-G095-5-101 Heat/Cool, sealed hot side fan NEMA-4, IP 56 None\*

INSTALLATION

В

В

В

**TEMPERATURE** 

TC-7F

TC-4F

None\*

TC-7F

Heat/Cool, sealed hot side fan

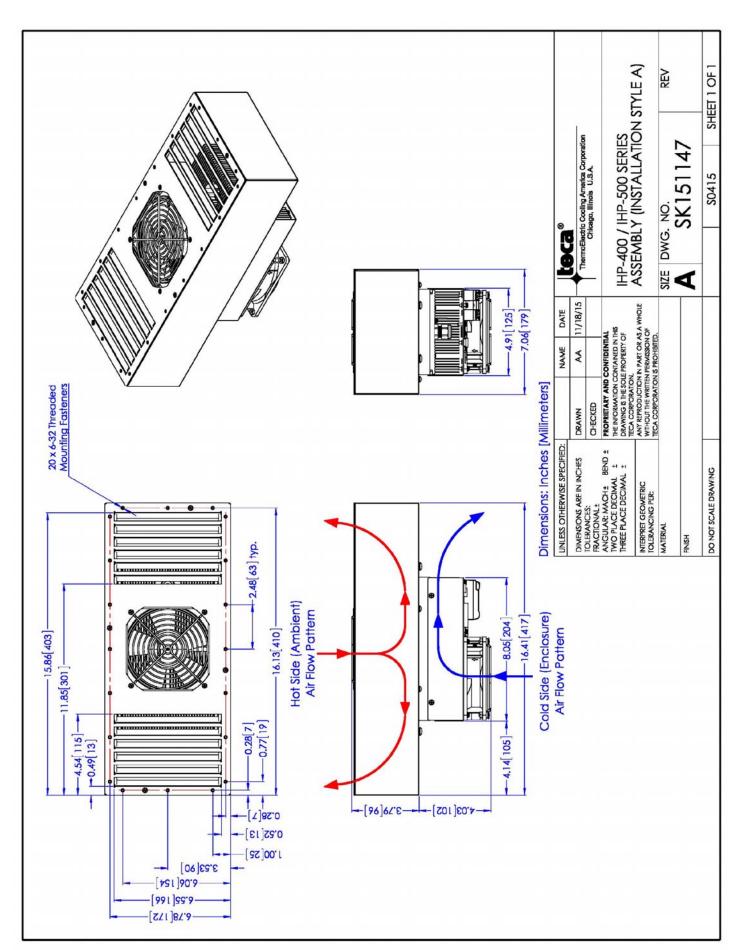
Cool only, Mil. grade hot side fan

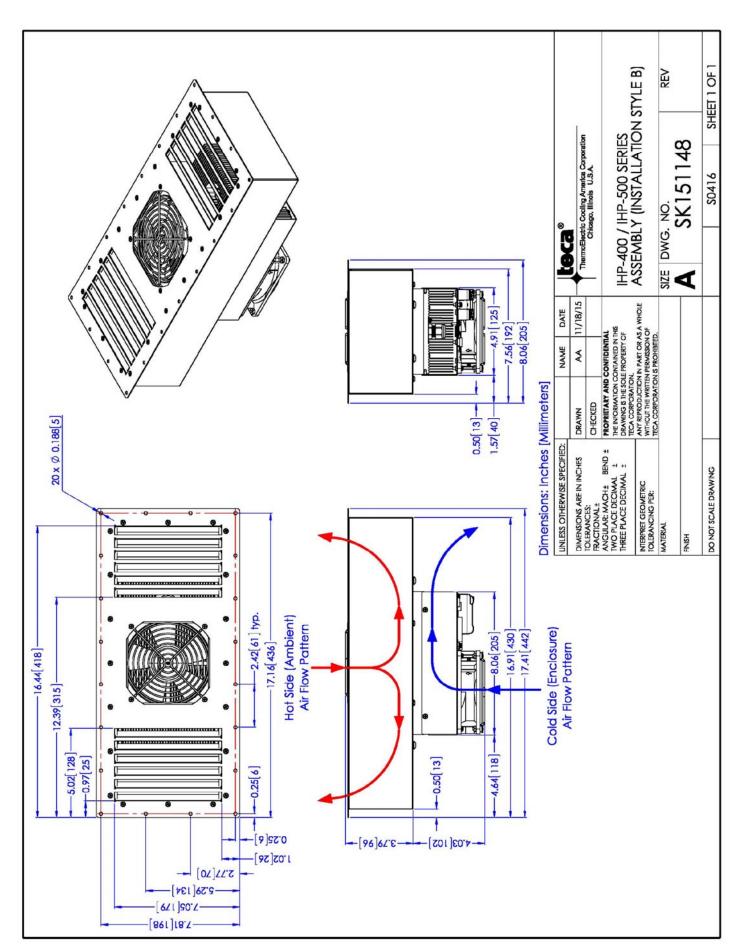
Heat/Cool, Mil. grade hot side fan

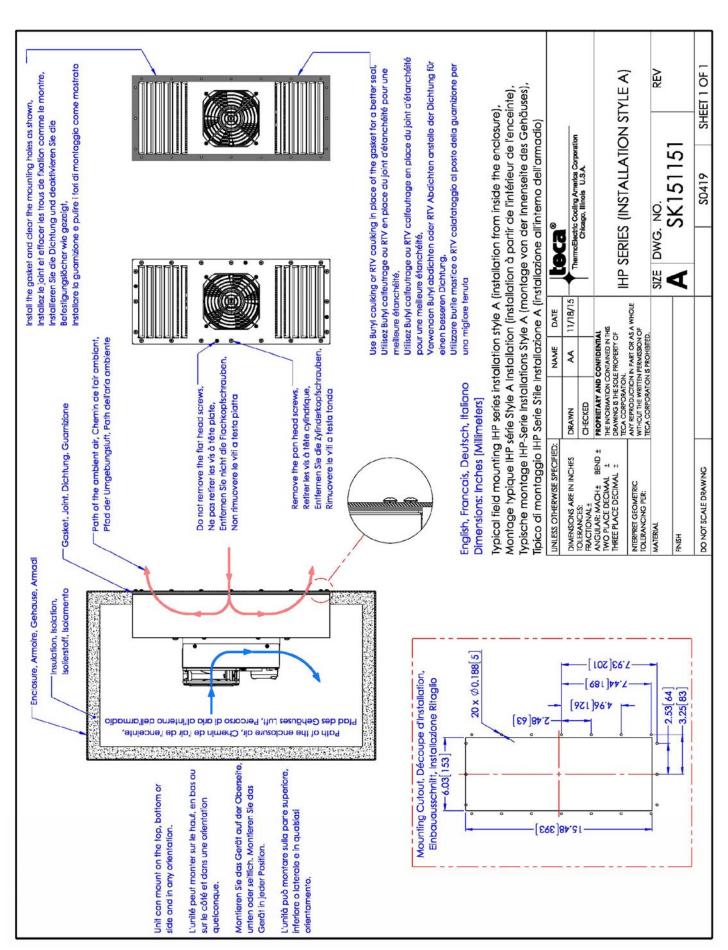
Heat/Cool, Mil. grade hot side fan

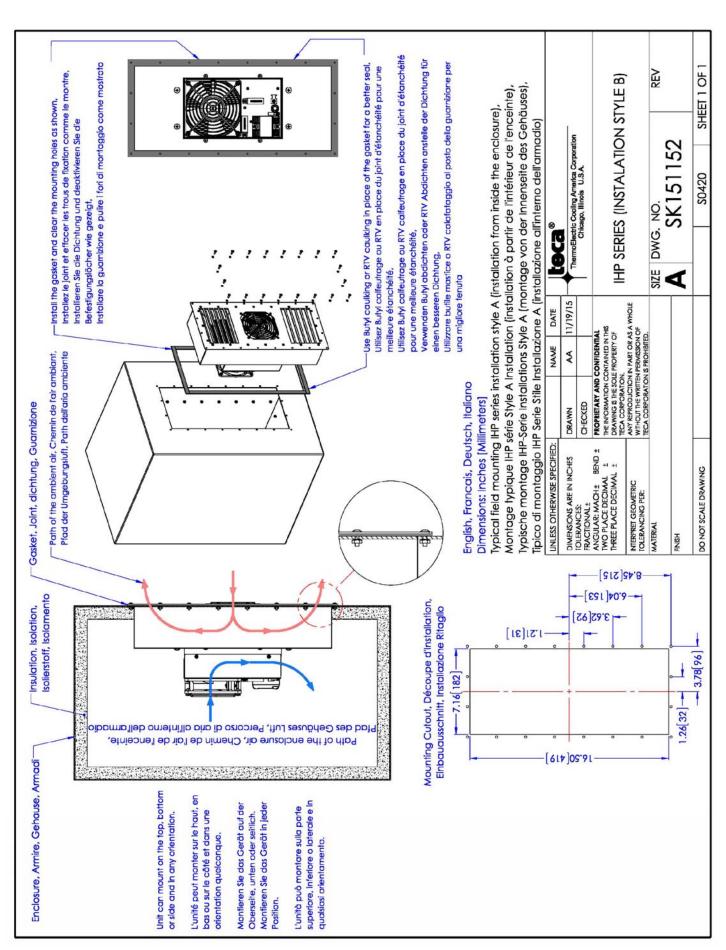
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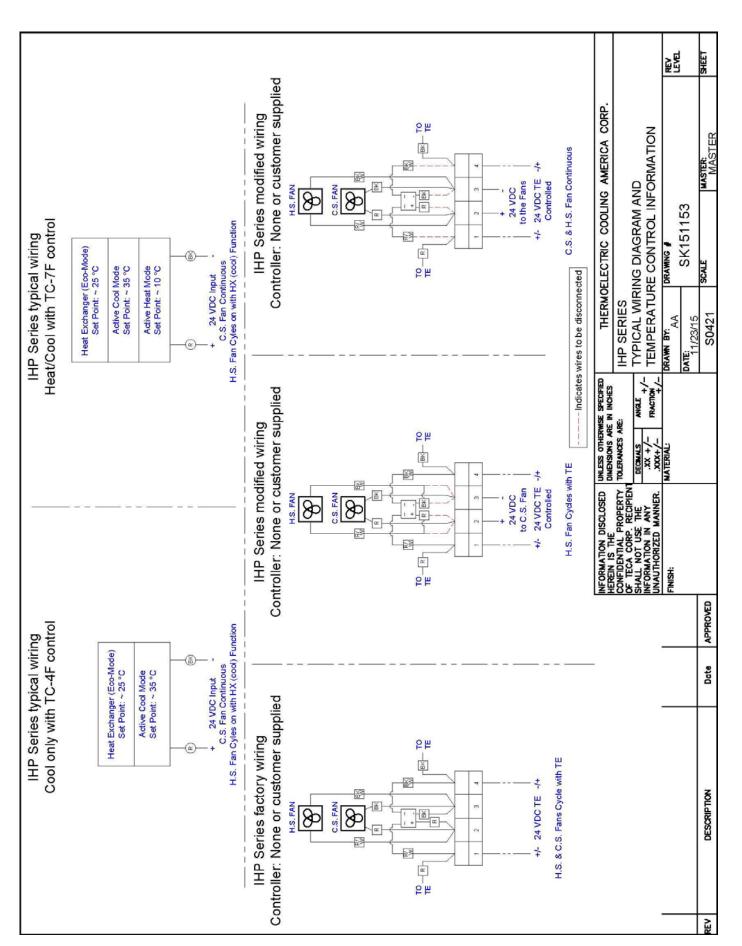
<sup>\*</sup> For controller options contact TECA; Heating function via reverse polarity (controller dependent)











Notes	
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