



**DTAC<sup>®</sup>**



***PRODUCT BOOKLET***

**MANUFACTURER OF HEAVY EQUIPMENT HEAT/COOL SYSTEMS**

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# DTAC STORY

Since 1977, the DTAC commitment to the customer, a quality product and specialized service, has helped us grow into a reputable manufacturer of heat/cool systems for heavy equipment.

Today, DTAC's support extends beyond quality products, reliable service and delivery. We also understand the demands placed on our customers and the commitment they need in order to stay competitive.

Located in Midlothian, Texas, DTAC has a strong history in heavy truck, specialty vehicles and off-road air conditioning.

DTAC began as an air conditioning installation and service facility in 1977, located in Dallas, Texas. We were suppliers of air conditioners and heaters for the heavy truck industry and distributors for virtually all the major manufacturers.

In the mid 1980's, DTAC was one of the first to supply air conditioning to the Timber Industry. During this time, DTAC began "Revolutionizing the Heavy Equipment A/C Industry."

By 1994, DTAC started designing and manufacturing heat/cool systems to control the quality our customers demanded. Five years later, further expansion and the purchase of the sheet metal fabrication facility allowed for continued control, quality and the increased ability for development.

In 2000, DTAC made the strategic decision to shift from an aftermarket only supplier to selling direct to O.E.M. and cab manufacturers. This transition marked the beginning of rapid growth for DTAC in both sales and market share that still continues today.

In 2010, DTAC celebrated another significant milestone when it established its first international distributor in India. DTAC's reputation continues to grow in the international market as our products are integrated into O.E.M. machines and shipped worldwide.

We currently manufacture over 100 different models of heat/cool systems for the off-road, heavy truck and heavy equipment industry.

Our most important characteristic however is our faith-based commitment. Our founder, Wayne Davis, dedicated DTAC to the Lord Jesus Christ with Proverbs 3:5-6 being the cornerstone of our business, "Trust in the Lord with all your heart and lean not on your own understanding; in all your ways acknowledge Him, and He will make your paths straight". We are especially proud of our heritage and our devotion to Christ and His greater glory has remained the heart of DTAC.

- DTAC's Philosophy...
- Quality products with service in mind
  - Products built to last in a heavy equipment environment
  - Constant improvement of our systems
  - Listening to our customers
  - Taking pride in solving problems
  - Accuracy and delivery of products on time

141 Series Multi-Mount  
Evaporator



The 141 provides outstanding performance in a compact size. The mounting feet can be attached to the bottom or top of the unit providing flexible mounting options from under-dash, floor or ceiling mount. Features include three adjustable louvers, rotary thermostat and a three-speed blower motor. Originally designed for smaller cabs, the performance, compact size and versatile mounting make the 141 ideal for many applications.

CAD

141 Series

A Blast of Cold Air from a Compact Universal Unit

12<sup>1</sup>/<sub>8</sub> in

13<sup>5</sup>/<sub>8</sub> in

17<sup>5</sup>/<sub>8</sub> in

19<sup>5</sup>/<sub>8</sub> in

6<sup>3</sup>/<sub>8</sub> in

7 in

BTU's	20,000 Cool
Air Flow	295 CFM
Thermostat	Adjustable
Unit Controls	3 Speed fan switch and Rotary thermostat on unit
Motor	Single - 3 Speed 12V - 13 AMPS @ 13.5 VDC 24V - 8 AMPS @ 27 VDC



# 300 Series Headliner Evaporators



The 300 Series are extremely popular because of their size, performance and ease of maintenance. Designed for small to medium-sized cab applications, the 300 Series units are so effective because they cool the operator's head and upper torso. Models range from our most compact headliner, the 305, to the largest of the 300 Series, the 310, which includes one of our highest capacity coils.

CAD	300 Series Best Selling Cool Only Headliner	301 Series Most Popular Heat/Cool Headliner	305 Series Compact Cool Only Headliner	310 Series Largest Capacity in The 300 Series Line
	<b>BTU's</b>	20,200 Cool	20,200 Cool and 16,600 Heat	18,500 Cool
	<b>Air Flow</b>	295 CFM	295 CFM	295 CFM
	<b>Thermostat</b>	Adjustable	Adjustable	Adjustable
	<b>Unit Controls</b>	3 Speed fan switch and Rotary thermostat on unit	3 Speed fan switch, Rotary thermostat and Heat/Cool Toggle Switch on unit	3 Speed fan switch and Rotary thermostat on unit
	<b>Motor</b>	Single - 3 Speed 12V - 13 AMPS @ 13.5 VDC 24V - 8 AMPS @ 27 VDC	Single - 3 Speed 12V - 13 AMPS @ 13.5 VDC 24V - 8 AMPS @ 27 VDC	Single - 3 Speed 12V - 22.5 AMPS @ 13.6 VDC 24V - 15 AMPS @ 26.8 VDC



315 and 330 Series  
Headliner  
Evaporators



The 315 and 330 Series include our most powerful and top rated headliner units engineered to meet the demands of larger cabs and harsh conditions. Each unit includes a high capacity coil and dual blower motors necessary to keep the operator comfortable. The CR Series feature remotely mounted controls which are optimal for box van and other remote evaporator type applications.

CAD

	315-C Series Most Popular Cool Only in the 315 Series	315-CR Series Cool Only with Remote Switches	315-HC Series Heat/Cool	315-HCR Series Heat/Cool with Remote Switches	330 Series Our highest Capacity Coil and Blower Assembly Enclosed in a Fully Insulated Housing
BTU's	35,000 Cool	35,000 Cool	33,000 Cool & 22,000 Heat	33,000 Cool & 22,000 Heat	40,000 Cool & 35,000 Heat
Air Flow	410 CFM	410 CFM	410 CFM	410 CFM	465 CFM
Thermostat	Adjustable	Preset	Adjustable	Preset	Preset
Unit Controls	3 Speed fan switch and Rotary thermostat on unit	3 Speed fan switch on remote harness	3 Speed fan switch, Rotary thermostat and Heat/Cool Toggle Switch on unit	3 Speed fan switch and Heat/Cool Toggle Switch on remote harness	3 Speed fan switch and Heat/Cool Toggle Switch on remote harness
Motor	Dual - 3 Speed 12V - 24 AMPS @ 13.6 VDC 24V - 14 AMPS @ 27 VDC	Dual - 3 Speed 12V - 24 AMPS @ 13.6 VDC 24V - 14 AMPS @ 27 VDC	Dual - 3 Speed 12V - 24 AMPS @ 13.6 VDC 24V - 14 AMPS @ 27 VDC	Dual - 3 Speed 12V - 24 AMPS @ 13.6 VDC 24V - 14 AMPS @ 27 VDC	Dual - 3 Speed 12V - 25 AMPS @ 13.6 VDC 24V - 15 AMPS @ 27 VDC

400 and 430 Series  
FLOOR MOUNT  
EVAPORATORS



Our 400 and 430 Series are ideally suited behind the seat, and have also found tremendous success in bunk unit applications. Teeing into existing ductwork or directing airflow exactly where you need it is simple when combined with one of our auxiliary louver assemblies. Each unit includes a remote wire harness and high capacity heat/cool coil with a performance tuned blower assembly providing incredible output in a compact package.

CAD

	<div>402 Series</div> <div>Most Popular Bunk/Sleeper Heat/Cool Unit</div>	<div>403 Series</div> <div>Heat/Cool with Closeable Louvers</div>	<div>430 Series</div> <div>Most Popular Heat/Cool Floor Mounted Unit</div>	<div>431 Series</div> <div>Ideal Heat/Cool Unit when Duct Hose is not Required</div>
BTU's	26,000 Cool and 26,000 Heat	26,000 Cool and 26,000 Heat	20,200 Cool and 16,000 Heat	20,200 Cool and 16,000 Heat
Air Flow	405 CFM	405 CFM	395 CFM	395 CFM
Air Outlet	2.5in Duct Hose	2.5in Round Closeable Louver	2.5in Duct Hose	2.5in Round Closeable Louver
Thermostat	Preset	Preset	Preset	Preset
Unit Controls	3 Speed fan switch and Heat/Cool Toggle Switch on Remote Harness	3 Speed fan switch and Heat/Cool Toggle Switch on Remote Harness	3 Speed fan switch and Heat/Cool Toggle Switch on Remote Harness	3 Speed fan switch and Heat/Cool Toggle Switch on Remote Harness
Motor	Single - 3 Speed 12V - 22.5 AMPS @ 13.6 VDC 24V - 15 AMPS @ 27 VDC	Single - 3 Speed 12V - 22.5 AMPS @ 13.6 VDC 24V - 15 AMPS @ 27 VDC	Single - 3 Speed 12V - 22.5 AMPS @ 13.6 VDC 24V - 15 AMPS @ 27 VDC	Single - 3 Speed 12V - 22.5 AMPS @ 13.6 VDC 24V - 15 AMPS @ 27 VDC

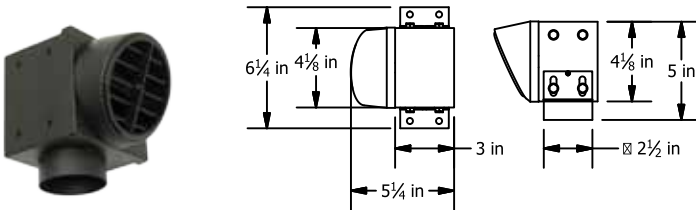
AUXILIARY LOUVER  
ASSEMBLIES

Compatible with our 402 & 430 Series, or any 2.5 inch duct hose, our auxiliary louver assemblies are a simple solution for routing air exactly where you need it.

410-AL1/410-AL4

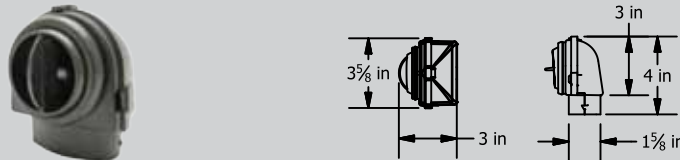
Universal air plenum assembly compatible with any of our units fitted with 2.5in duct hose outlets.

410-AL1 includes 1 louver set and 3 feet of 2.5in duct hose.  
410-AL4 includes 4 louver sets and 3 feet of 2.5in duct hose.



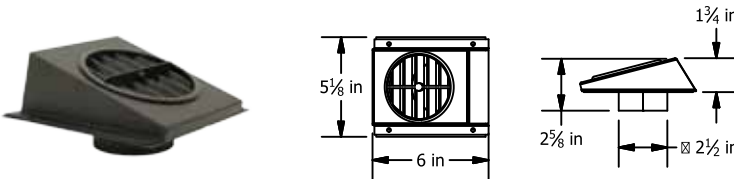
02-50172

This louver is great when space is limited. Includes 3in round closeable louver and accepts 2.5in duct hose.



02-16069

This universal air plenum assembly is ideal for flush mounting to the dash.



500 and 800 Series  
WALL MOUNT  
EVAPORATORS



Our 500 and 800 Series offer premium performance in a design that is easily installed and serviced. Removing the front cover provides access to all internal components for maintenance. The 500 Series is designed for road trucks to mount between the seats. A favorite in armored vehicles and larger cabs, the 800 Series provides the performance necessary to keep you comfortable in the most demanding conditions and offers an available side mounted adjustable water valve.

CAD	500 Series Top Selling Cool Only Unit for On-Road Trucks	502 Series Cool Only Unit Great for Smaller Cabs	800 Series Top Selling Heat/Cool Wall Mount for Larger Cabs	822 Series Heat/Cool Units with Left or Right Side Mounted Adjustable Water Valves	823 Series
	BTU's	20,500 Cool	18,000 Cool	26,000 Cool & 26,000 Heat	26,000 Cool & 26,000 Heat   24,000 Cool & 30,000 Heat
	Air Flow	302 CFM	302 CFM	405 CFM	405 CFM
	Thermostat	Adjustable	Adjustable	Adjustable	Adjustable
	Unit Controls	3 Speed fan switch and Rotary thermostat on unit	3 Speed fan switch and Rotary thermostat on unit.	3 Speed fan switch, Rotary thermostat and heat/cool toggle switch on unit	3 Speed fan switch, Rotary thermostat, adjustable water valve and heat/cool toggle switch on unit
	Motor	Single - 3 Speed 12V - 16 AMPS @ 13.5 VDC 24V - 7.5 AMPS @ 26.8 VDC	Single - 3 Speed 12V - 13 AMPS @ 13.5 VDC 24V - 8 AMPS @ 26.8 VDC	Single - 3 Speed 12V - 22.5 AMPS @ 13.6 VDC 24V - 15 AMPS @ 27 VDC	Single - 3 Speed 12V - 22.5 AMPS @ 13.6 VDC 24V - 15 AMPS @ 27 VDC



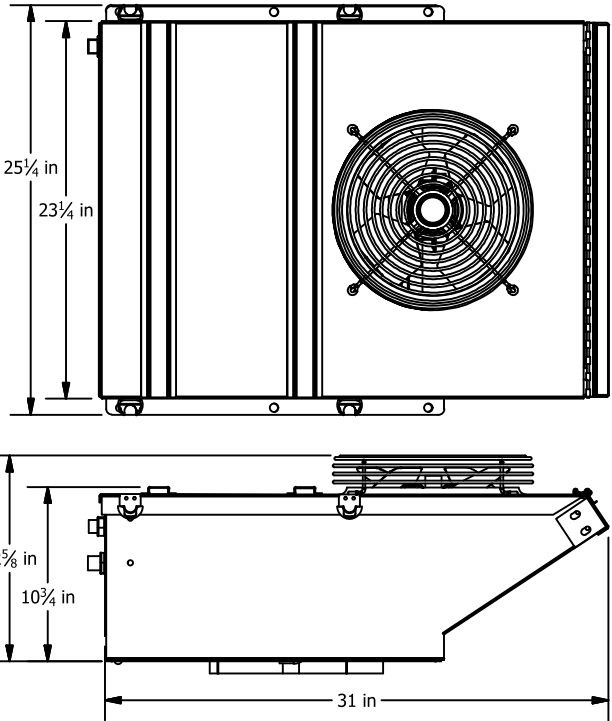
# 700 SERIES ROOFTOP UNIT



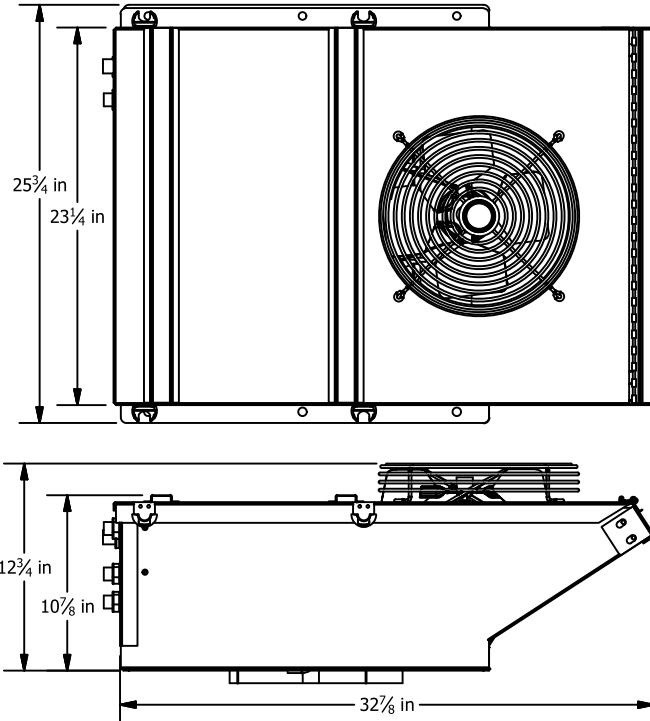
Our classic rooftop units provide the performance and reliability you demand in offroad applications. Rooftop systems provide a simple and efficient design by integrating the evaporator and condenser into a single compact package. Manufactured from heavy gauge steel and available with heat and pressurization, our 700 Series are rugged enough to meet all your rooftop needs.

CAD

## 701 Series Cool Only



## 702 Series Heat/Cool



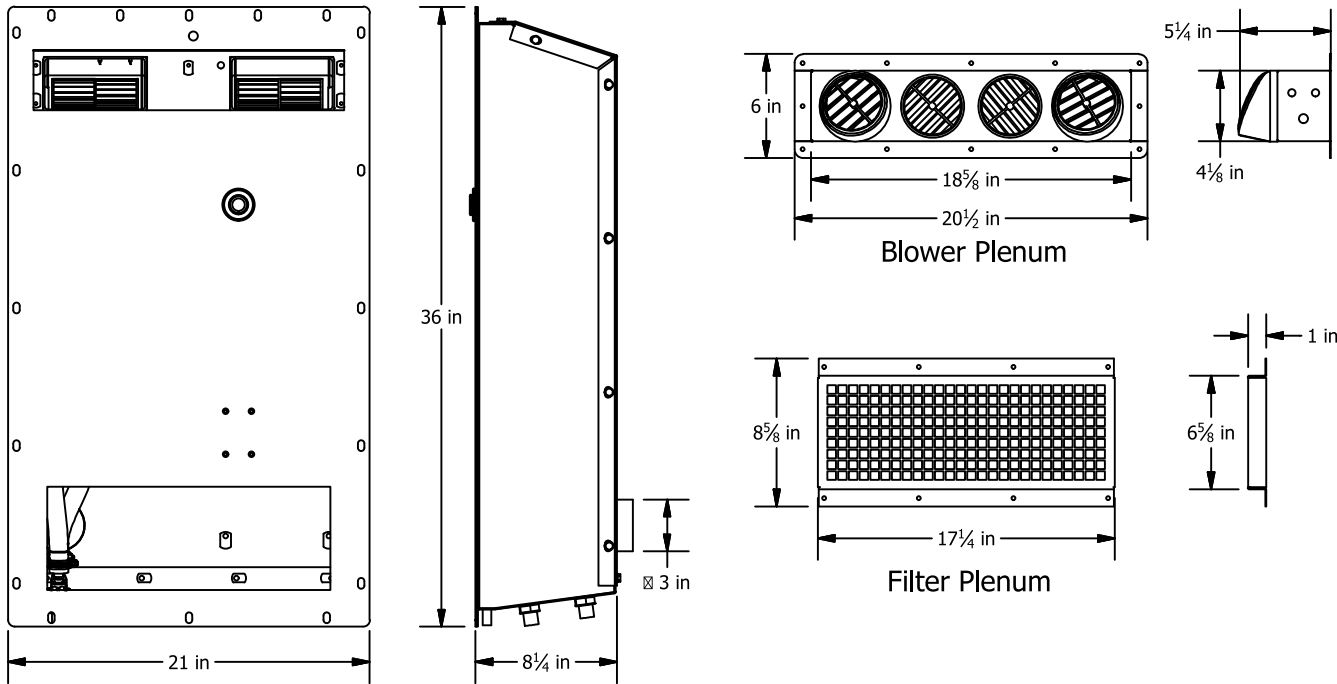
BTU's	23,500 Cool	23,500 Cool and 15,500 Heat
Air Flow	345 CFM	345 CFM
Thermostat	Adjustable	Preset
Unit Controls	3 Speed fan switch and Rotary thermostat on unit	3 Speed fan switch, adjustable water valve and Heat/Cool Toggle Switch on unit
Motor	12V - 27 AMPS @ 13.5 VDC 24V - 14 AMPS @ 26.8 VDC	12V - 27 AMPS @ 13.5 VDC 24V - 14 AMPS @ 26.8 VDC

807 Series  
EXTERNAL MOUNT  
EVAPORATOR



Originally designed for the mining industry, our 807 combines a high capacity evaporator and heater coil with the largest blower assembly available with our systems. Externally mounted, the 807 frees up valuable space inside that would be used by a traditional A/C system. Complete with bolt on pressurizer and Donaldson external filter.

807 Series  
Heat/Cool

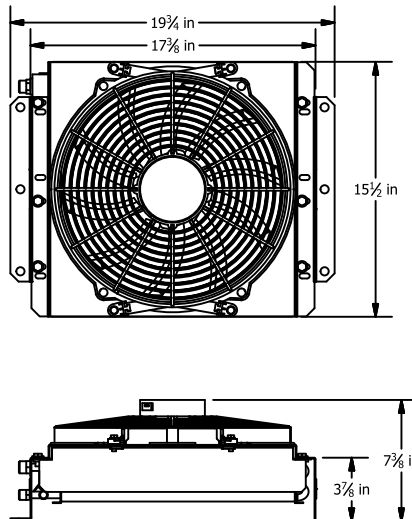
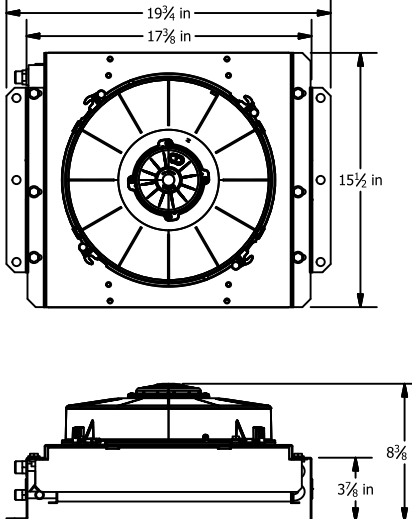
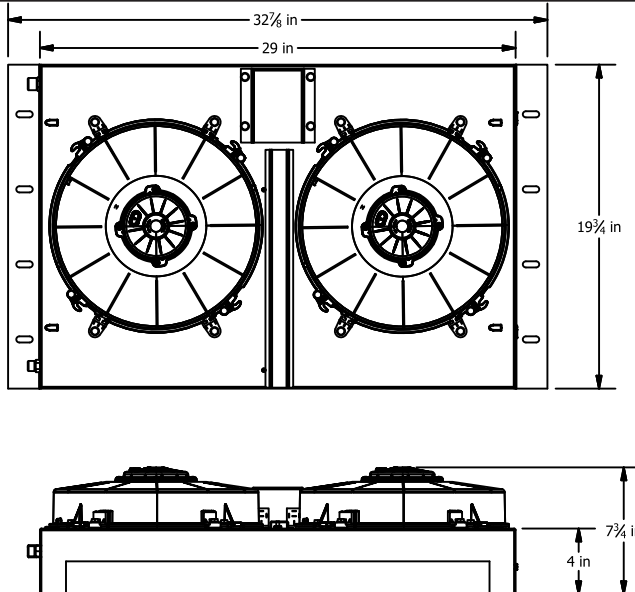
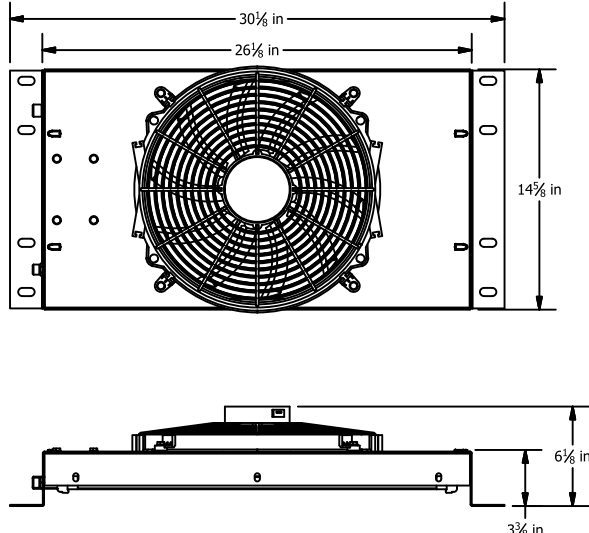
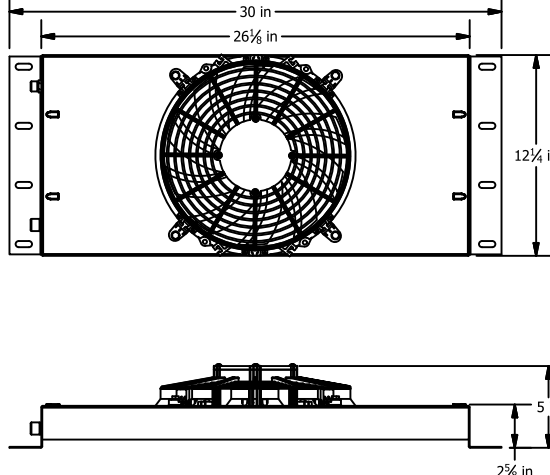


CAD	
BTU's	36,000 Cool and 30,000 Heat
Air Flow	655 CFM
Thermostat	Preset
Unit Controls	3 Speed fan switch and heat/cool toggle switch on remote harness. Adjustable water valve included for remote installation.
Motor	Single - 3 Speed 12V - Not Available 24V - 15 AMPS @ 26.8 VDC

# 34000 Series Remote Powered Condensers



The 34000 Series packs high performance in a lightweight low-profile package designed for light and medium duty applications. High capacity multi-flow condenser coils are protected by a sturdy steel case and cooled by high capacity, water resistant motors.

CAD	07-34002 Series Our Best Selling Low Profile Powered Condenser	07-34002-HP Series With Upgraded High Performance Motor	07-34006 Series Newest Addition Capable of Handling our Largest Evaporators	07-34008 Series Low-Profile Condenser with 14" Fan	07-34010 Series Our Lowest-Profile Condenser with 11" Fan	
						
	BTU's	35,000 Cool	35,000 Cool	40,000 Cool	35,000 Cool	25,000 Cool
	Air Flow	1050 CFM	1500 CFM	Dual 1500 CFM Fans	790 CFM	690 CFM
	Motor	14" 12V - 10.5 AMPS @ 13.6 VDC 24V - 5.3 AMPS @ 26.8 VDC	12" 12V - 25 AMPS @ 13.6 VDC 24V - Not Available	Dual 12" 12V - 50 AMPS @ 13.6 VDC 24V - Not Available	14" 12V - 8.7 AMPS @ 13.6 VDC 24V - 5.3 AMPS @ 26.8 VDC	11" 12V - 8.2 AMPS @ 13.6 VDC 24V - 5 AMPS @ 26.8 VDC



# 35002 Series Remote Powered Condensers



The 35002 Series is compact and rugged with versatile mounting options. Its unique size and shape allow it to fit where other condensers cannot. The heavy gauge, fully enclosed steel housing guards the dual 9" motors and coil from damage, giving the 35002 Series unprecedented durability.

CAD	07-35002 Series Compact and Versatile Mounting Options	
	BTU's	35,000 Cool
Air Flow		975 CFM
Motor		Dual 9" 12V - 10.5 AMPS @ 13.6 VDC 24V - 5.3 AMPS @ 26.8 VDC

# 78000 Series Remote Powered Condensers

CAD	07-78000 Series Small Bolt-On Grille for Typical Install		07-78001 Series Large Thru Body Grille for Skirt Mount Install		
	BTU's		55,000 - 78,000 Cool		
Air Flow		2300 CFM		Large bolt on grill for skirt mounted or thru body included with 07-78001 Series	
Motor		Triple 11" 12V - 24 AMPS @ 13.6 VDC 24V - 12 AMPS @ 26.8 VDC			

The super high capacity 78000 Series is specifically engineered to meet the unique demands of light duty dual evaporator applications. The all aluminum housing creates a very lightweight yet extremely robust frame to support the extra-large condenser coil and 3 high performance fans. The internal drier simplifies hose routing and you have the option of bolt-on or thru body/skirt mount grille configurations.

# 36000 SERIES REMOTE POWERED CONDENSERS



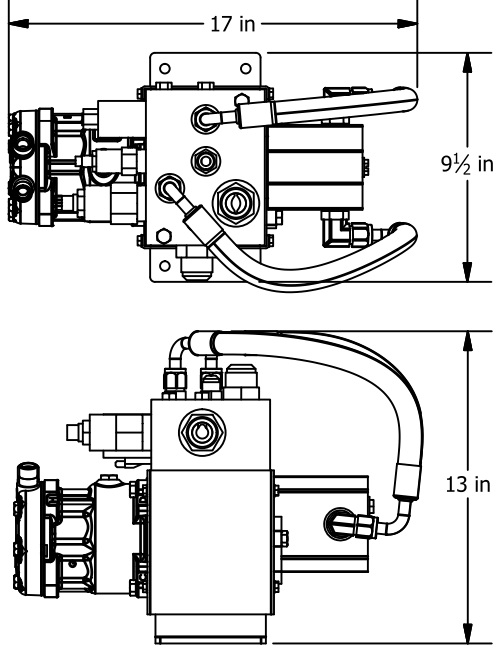
Engineered to withstand the punishing environments of today's heavy equipment, the 36000 Series is the workhorse in the off-road industry. The 10" metal fan blade and sealed permanent magnet motor are built to last. Based on decades of use, the 36000 Series is the premier condenser for heavy equipment A/C systems.

CAD	07-36001 Series Classic Robust Design	07-36002 Series Top Selling Condenser with Drier & Binary Switch Mounted Internally	07-36005 Series The Ultimate in Performance when Coupled with One of our Large Capacity Evaporators	
	BTU's	33,000 Cool	33,000 Cool	44,500 Cool
	Air Flow	740 CFM	740 CFM	1440 CFM
	Motor	Sealed motor with 10" steel fan blade 12V - 12.6 AMPS @ 13.6 VDC 24V - 6.4 AMPS @ 26.8 VDC	Sealed motor with 10" steel fan blade 12V - 12.6 AMPS @ 13.6 VDC 24V - 6.4 AMPS @ 26.8 VDC	Dual sealed motors with 10" steel fan blades 12V - 25.4 AMPS @ 13.6 VDC 24V - 12.8 AMPS @ 26.8 VDC

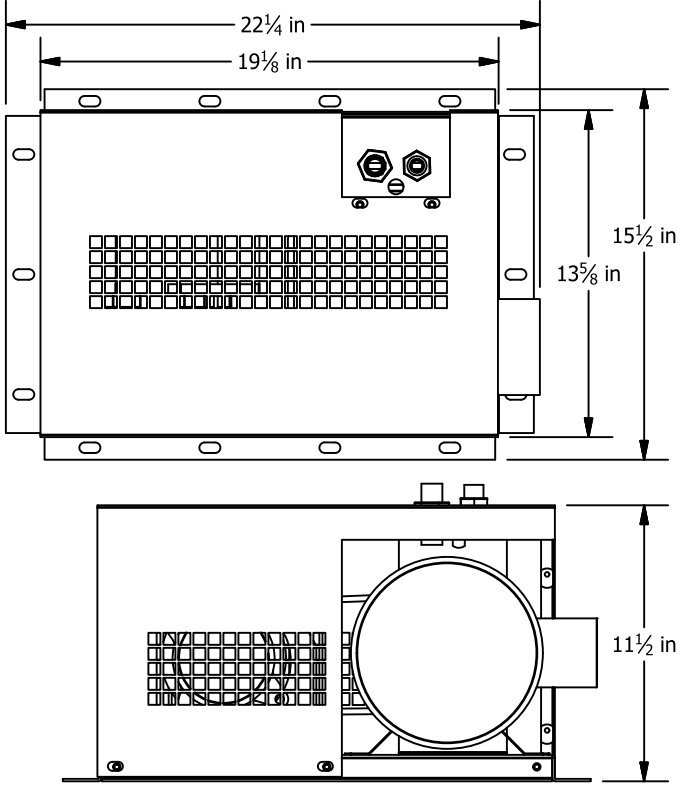
# 01-49200 Series HYDRAULIC DRIVEN COMPRESSORS



When traditional belt driven compressors are not an option, customers turn to our 49200 Series. Engineered from decades of experience, our hydraulic driven compressor is renowned in the industry. The backbone of our system is the proprietary hydraulic manifold which provides a solid package that manages all aspects of flow control. Our system provides the dependable performance you demand in the heavy duty industry.

CAD	01-49200 Series Compact and Versatile Mounting Options	
		
	Minimum GPM	5
	Maximum GPM	40
	Operating PSI	1300
	Coil Volts	12V or 24V

# 220 Series ELECTRIC DRIVEN COMPRESSORS

CAD	220 Series 60 HZ Electric Model		220-SP Series 50 HZ Electric Model
			
	Electric Motor	HP	3
		Volts	208-230/460
		AMPS	8.3 - 8.2/4.1
		HZ	60
Compressor	Clutch Volts	12V or 24V	24V




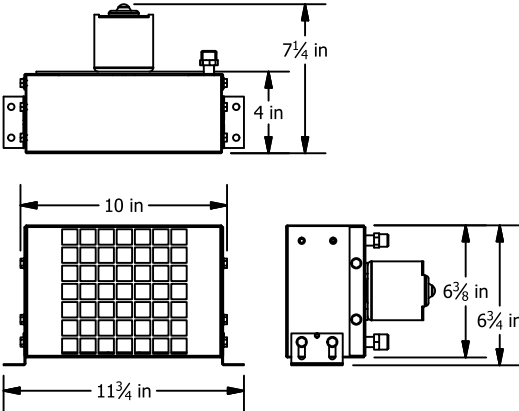
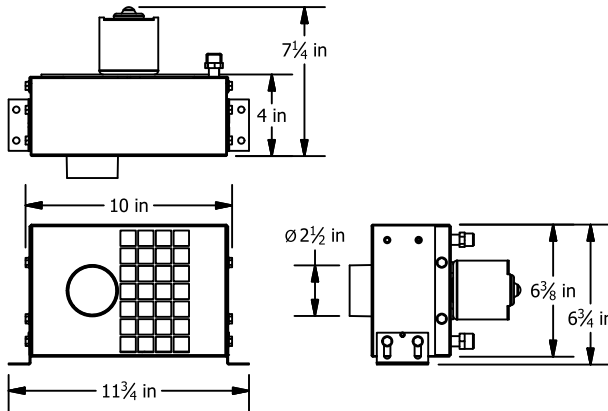
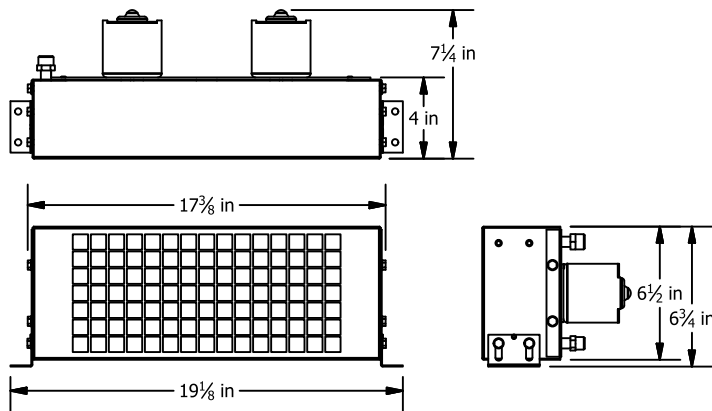
Simply designed and even easier to install, our electric driven compressor is an excellent alternative for electrically operated machines or when an engine driven compressor is not available. Constructed of heavy gauge steel, our robust and durable design features a maintenance friendly split housing, industrial strength 3 phase A/C electric motor and belt driven Sanden compressor. Configurable operating voltages and available in 50HZ or 60Hz ensures compatibility with systems worldwide.



# 210 Series Auxiliary Heaters



Our high output, compact heaters utilize simple designs for trouble-free operation. Versatile mounting options include fittings for thru firewall or thru floor installations, making them ideal for any auxiliary heater application. Options include single fan, dual fan or duct hose outlet for defrost applications.

CAD	 <b>210 Series</b> Most Popular Auxiliary Heater	 <b>211 Series</b> Auxiliary Heater with Defrost Includes 3ft Duct Hose and Louver	 <b>215 Series</b> High Output Dual Fan Auxiliary Heater	
				
	<b>BTU's</b>	16,000 Heat	16,000 Heat	30,000 Heat
	<b>Air Flow</b>	150 CFM	150 CFM	280 CFM
	<b>Unit Controls</b>	Rotary 2 Speed Switch	Rotary 2 Speed Switch	Toggle Switch ON-OFF
<b>Motor</b>	Two Speed 12V - 6.6 AMPS @ 13.6 VDC 24V - 3.3 AMPS @ 26.8 VDC	Two Speed 12V - 6.6 AMPS @ 13.6 VDC 24V - 3.3 AMPS @ 26.8 VDC	Single Speed 12V - 13.2 AMPS @ 13.6 VDC 24V - 6.6 AMPS @ 26.8 VDC	



# O.E.M. BUSINESS

Celebrating 34 years in business, DTAC is a highly regarded name in the O.E.M. market and currently manufactures more than 100 different models of heat/cool systems for the off-road, heavy truck and heavy equipment industries. Our success is built upon our commitment to the customer, a quality product and specialized service. We take pride in solving the heating and cooling needs of our customers by getting to know them and their unique requirements.

Using the latest in 3-D design software, and decades of experience, DTAC can precisely engineer an air conditioning system custom-tailored for your machine as well as your budget. Our diverse capabilities have served the industrial, forestry, mining, defense, agriculture and road truck industries for decades.

DTAC understands the demands placed on our customers and the commitment they need to stay competitive. Today, our support extends beyond quality products, reliable service and delivery. We offer a complete line of parts at competitive prices, due to direct purchasing power and long, friendly relationships with our vendors.

DTAC recognizes the opportunity for growth in the International Market. Our heat/cool systems are being integrated into O.E.M. machines and shipped overseas, where their performance and longevity are being widely accepted.

"DTAC is a vital partner to Taylor. With the design mindset like Taylor of rugged durability we are truly proud to be associated with DTAC. Keep those good products and support coming."

Robert Taylor - Vice President  
Taylor Group, Inc

## INDUSTRIAL



**Tigercat**  
Tough • Reliable • Productive



## FORESTRY

"DTAC has been supplying us A/C-Heater units for approximately 10 years and is one of our best suppliers. Their customer service is excellent, their products are reliable and their pricing is competitive. I would be happy to recommend this company to anyone needing A/C systems for their applications."

Jim Campbell, III - Owner  
Campbell International

**Campbell  
International  
Inc.**

## MINING

**Atlas Copco**  
Atlas Copco Drilling Solutions



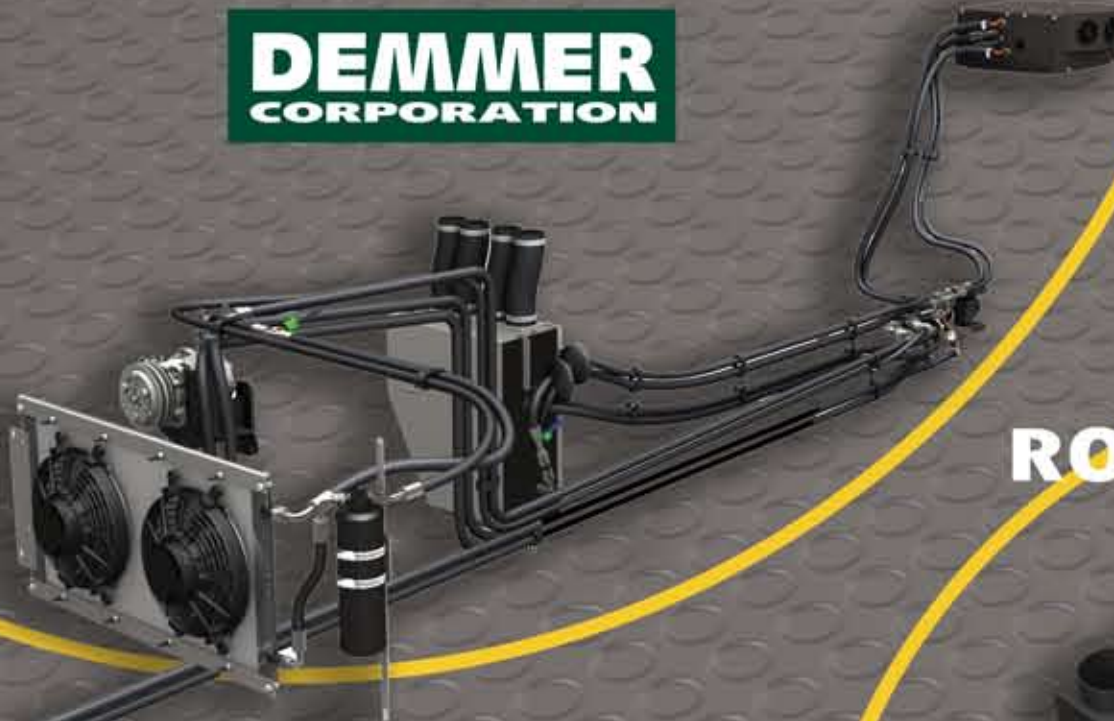
"DTAC was more than happy to arrange training for our technicians. The instructor, Chuck Parks, welcomed questions from the class and took the time to answer each one. It was obvious he had many years of experience in the industry. The simulator he used was an excellent training tool - he could simulate almost any malfunction in an A/C system and show the effects and resulting gage readings. I personally had many years experience with A/C systems, but still learned things from this class."

Jim Nelson - Manufacturing Engineer  
Atlas Copco Drilling Solutions LLC



# MILITARY & DEFENSE

**DEMMEER**  
CORPORATION



"We installed 301 Series ceiling mount units in our client's Euclid R130 Haul Trucks for an open mine pit here in Peru. These units have had perfect performance under extreme conditions of dust and vibration. We are pleased with these units along with the easy installation and adaptation in any mining equipment."

Yakov Atahua - Representative  
XPRO SAC Mineparts, Lima, Peru

DTAC is one of the few manufacturers today that emphasizes training. These training seminars are a refresher course for the most experienced technicians. At the same time, these workshops give beginning technicians solutions and insight to confidently approach an air conditioning system.

## ROAD TRUCK



**GO GREEN APU**



**Tigercat**  
Tough • Reliable • Productive

**REHME Mfg. Inc.**  
Aluminum Oilfield Products  
Marlow, OK 73055 - 1.800.324.8032  
www.rehmemfg.com

**Campbell International Inc.**



**TAYLOR**

**Absolute Armor, LLC**



**Lee Boy**

# DTAC CUSTOMERS



And many more...





**5130 Edgefield Lane  
Midlothian, Texas 76065**

**Toll Free 800.527.9477  
Fax 800.299.5972  
Local 972.723.1AIR  
(1247)**

**[www.dtac.com](http://www.dtac.com)**



**Made in the USA**

