
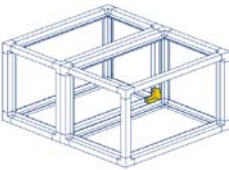











Product Specification





Item	Components	Specifications
<p>Structure</p> 	<p>2" Insulated Panel</p>	<ul style="list-style-type: none"> • Double wall access panel. • R factor of 6.5 per inch of door thickness. • Field re-glaze-able double wall access panel. • Zero total CFM air leak ... at 10.0" wg. • Panel thicknesses: 2.0" (Option 1.0" thickness available). • Deflection is less than L/240 up to 31" wg. over a 48' span (foam steel panel). • Thermal or non-thermal construction. • Choice of exterior skin. <p><u>Panel Construction</u></p> <ul style="list-style-type: none"> • Pressure injected with 2.2 pounds per cubic foot of polyurethane foam. • Polyurethane foam bonds with two interlocking plenum sheet (skin) to make a single seamless, rigid panel. • Thermal door uses a high density polyurethane thermal break. • Panel frame door construction extruded aluminium.
	<p>Framing</p>	<ul style="list-style-type: none"> • 6060 T5 finished extruded aluminum. • Six available profiles. • Intermediate supports extruded aluminum with channel lock. • Pressure die cast aluminum corner joints. • Thermal break framing (available). 
<p>Fans</p> 	<p>Forward Curved</p>	<p>Galvanized Steel Housing Impellers</p> <ul style="list-style-type: none"> • Galvanized steel, polyamide, or aluminum. • Backward or forward incline. • Airfoil or curved blades. • Direct drive or belt.



		<p>Shafts</p> <ul style="list-style-type: none"> • Designed with a high safety factor and with the first critical speed well in excess of the maximum fan speed. • Hardened steel, precision ground and polished, and includes keyways for the wheel hub and sheaves. • Coated with a protective paint for added corrosion protection prior to shipping. <p>Bearings</p> <ul style="list-style-type: none"> • Depending on size, bearings are self-aligning, single row, deep groove ball type or self-aligning, single row, deep groove ball type, in pillow block cast iron housings • Bearings are double row roller bearings in pillow block split cast iron housings. • All bearings have been selected to guarantee a minimum L₅₀ life time of 200,000 hours (as per AFBMA standards). • The bearings are mounted in a rubber inter-liner, which in turn, fits in a sturdy three-arm or four-arm spider bracket. These bearings are permanently lubricated and sealed for the life time of the fan. • The pillow block bearings are mounted on a flat iron bar, welded to the T frame. • Bearings are complete with re-lubrication fitting installed. • Operating temperatures range from -4°F to +176°F (-20°C to +80°C) for all blowers. 	
<p>Options</p>	<p>Fan Selections</p>	<ul style="list-style-type: none"> • Flanges • Inspection door • Drain Plug • Base frame • Isolators (all types) • Inlet guards • Enclosure protection • 	<ul style="list-style-type: none"> • Belt guards • Anti- spark • Special paint • Special shaft seals • Pivoting motor base • Piezo rings • Electronic Cometer
<p>Motor</p> 		<ul style="list-style-type: none"> • Our line of TEFC or ODP premium efficient three-phase AC motors provide both premium energy-efficiency and outstanding performance. They meet the energy efficiency requirements of the United States and Canada for general-purpose industrial motors as well as meeting the Premium motor efficiency levels. <p>Option: Eplosion Proof, Severe Duty , Multi Speed, Nema Mounting Variation, Fungus Proofing, Special Paint Washguard Duty, Special Frequency Design, Tempurature Sensors, IEEE 841 and Magnet AC Motor.</p>	



Optional Motor Mounting Hardware

Coils		
	CW	<p>Construction</p> <ul style="list-style-type: none"> • 12 1.25 x 1.08 aluminum waffle fins. • Copper tubes, 0.016 inch thick. • Galvanized steel casing.
	DX (EVAP)	<p>Construction</p> <ul style="list-style-type: none"> • 12 1.25 x 1.08 aluminum waffle fins. • Copper tubes 0.016 inch thick. • Galvanized steel casing.
	HW	<p>Construction</p> <ul style="list-style-type: none"> • 12 1.25 x 1.08 aluminum waffle fins. • Copper tubes, 0.016 inch thick. • Galvanized steel casing.
Options	Connection Material/Types	<ul style="list-style-type: none"> • Copper Sweat, MPT, FPT, Carbon Steel MPT, Grooved, Flanged, Red Brass MPT.
	Casing Styles	<ul style="list-style-type: none"> • 304 Stainless Steel, 316/L Stainless Steel, Mill Finish Aluminum, Copper.
	Coatings	<ul style="list-style-type: none"> • Epoxy polymer, Heresite, Hydrophilic.
	Fin Material	<ul style="list-style-type: none"> • Aluminum or Copper. • Corrugation: Flat, Louvered, Sine Wave, Waffle.
Filters		
	Pre-Filter	<ul style="list-style-type: none"> • 2 inches, pleated • Efficiency: 25-30% • Average arrestance: 90-92%
	95% Cartridge Filter	<ul style="list-style-type: none"> • Average atmospheric dust spot efficiency: 95% • Casing: Galvanized steel

Options		<ul style="list-style-type: none"> • High Efficient Bag Filters, Medium Efficient Panel Filter, Compact Filter(high efficient), Hepa and ULPA Filter, Carbon Filter, High Temperature Filter. • Customer filter housing with multiple locking arrangements.
Dampers 	Micro Damper	Construction <ul style="list-style-type: none"> • CLASS 2 MICRO DAMPER. • Frame: Extruded aluminum, EN AW 6060 T6, thickness 1.8 mm. • Blade: Extruded aluminum, EN AW 6060 T6, airfoil design. • Gear mechanism: Nylon PA6 + 20% GF with minimum water absorption. • Gasket: coextruded and made of TPE-V + PP. • Shaft: brass and galvanized steel shaft, 12 mm x 12 mm square (with slot indicating open/close). • All gears hidden in the shoulders for clean and safety movement.
Options 		<ul style="list-style-type: none"> • Apposed blade dampers, thermal break dampers, micro dampers, backdraft dampers.
Latches 		Construction <ul style="list-style-type: none"> • Fiberglass reinforced nylon. • Dual Latch type hinge. • Color finish black. • Optional laches and locking arrangement available.
Door Access 		<ul style="list-style-type: none"> • All doors panels come with four (4) hinges. • Door Swing left and right. • All doors easily removable with use of dual latch type hinge.
Panel Access		<ul style="list-style-type: none"> • All panel fixed in place with panel retainers.

		<ul style="list-style-type: none"> • Panel can be easily removed by removing tensioners • Optional locking arrangements available.
<p>Belts</p> 		<p>Construction</p> <ul style="list-style-type: none"> • Polyester/polyurethane composite • Low operational noise levels and vibration free running. • Increased energy efficiency. • Dust free. • Longer belt life in extreme temperature range.
<p>Interior Lighting</p>		<ul style="list-style-type: none"> • LED track light string. • Door activated.
<p>Heaters</p>	<p>Gas Fired Indoor</p>	<p>Construction</p> <ul style="list-style-type: none"> • 20 Gauge aluminized or stainless steel. • Pressed steel burner. • LP gas. • Horizontal or vertical exhaust.
	<p>Duct Heater</p>	<p>Construction</p> <ul style="list-style-type: none"> • Natural gas or propane. • Aluminized steel heat exchanger. • Aluminized steel burners with stainless steel insert. • Spark-ignited intermittent safety pilot with electronic flame supervision. • Burner rack access.
<p>Additional Options</p>		<ul style="list-style-type: none"> • Steam Heating Coil. • Separate heating/humidity module. • Vertical and horizontal arrangements. • Return air plenum. • Free discharge plenum with aluminum double deflector grille.

		<ul style="list-style-type: none">• Aluminum return air grilles for use with return air plenum.• Return air fan.• Mixing box.• Foot casters for roll around capability.• Electric Heat.• Natural gas / propane heater• Steam Humidifiers• UV Lights• Photocatalytic Filters• Variable Frequency Drive• Pleated Media Filters• Condensing Unit• Factory mounted controls• Factory mounted disconnects
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