Office Buildings
The Smart Solution For Energy Efficiency
THE WATER SOURCE HEAT PUMP ADVANTAGE -
FOR OFFICE BUILDINGS

THE IDEAL SOLUTION FOR MULTISTORY FACILITIES
Water source heat pump systems by ClimateMaster® are the intelligent choice for lowering costs while creating a comfortable work environment in today’s office buildings. The result of decades of research and proven performance, they provide reliable, low-maintenance operation with individual zone control. The systems utilize space-saving units that are interconnected by way of an efficient water loop – rather than extensive and costly ductwork. No chiller, operating engineer or air handler room is required. And unlike most other systems, ClimateMaster® water source heat pump systems actually recover energy that would otherwise be wasted – and put it to work in other areas throughout the building.

The result of this intelligent design is more than just quiet, comfortable performance for tenants. It translates into greater cost efficiencies for building owners and property managers on four vital levels:

- Lower initial installation and expansion costs.
- Superior energy efficiency for lower operating costs.
- Lower maintenance costs.
- Longest system and component life of any compatibly zoned system.

THE KEY TO LOWERING MAINTENANCE COSTS
ClimateMaster® pioneered the water loop heat pump system – and designed it to be easy and affordable to maintain, regardless of the system’s size.

- No single point of failure for the entire system.
- Convenient standard parts availability.
- Easy accessibility to individual units.
- Units located above ceilings and in closets can be changed out by on-site maintenance personnel.
- Units can be installed above ceilings or in closets where they won’t disturb residents or tenants.

LOWER COSTS – TODAY AND TOMORROW
The expensive initial requirements of alternative systems simply cannot compare to affordable ClimateMaster® watersource heat pump installations. ClimateMaster® systems eliminate these costly needs:

- Large-scale complex duct work.
- Large chillers.
- Operating engineers.
- Extensive insulated piping requirements.
- Holes in outside walls.

ClimateMaster® has numerous products that can be combined to handle all space-conditioning needs. Systems often include horizontal and vertical cabinet products, small console units with no wall penetration needed – even large units designed for rooftop applications. Additions to the system for future loads are easy and economical.

INTELLIGENT EFFICIENCY FOR GREATER SAVINGS
Year after year, ClimateMaster® water source heat pump systems offer the high efficiency necessary to keep operating costs down. In fact, they offer a lower operating cost than most compatibly zoned systems. The difference lies in the system’s ability to recover otherwise wasted energy and use it elsewhere in the facility. This dynamic, intelligent use of energy balances the needs of the entire facility while reducing operating costs.

<table>
<thead>
<tr>
<th>TRADITIONAL SYSTEM COMPARISONS</th>
<th>ANNUAL MAINTENANCE EXPENSE</th>
<th>ANNUAL OPERATING EXPENSE</th>
<th>TOTAL ANNUAL COST</th>
<th>INSTALLATION COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>FAN COIL, CHILLER/BOILER 4-PIPE</td>
<td>$0.14</td>
<td>$1.40</td>
<td>$1.54</td>
<td>$12.00</td>
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<tr>
<td>VARIABLE AIR VOLUME</td>
<td>$0.14</td>
<td>$0.94</td>
<td>$1.08</td>
<td>$9.00</td>
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<tr>
<td>GEOThERMAL HEAT PUMP</td>
<td>$0.07</td>
<td>$0.62</td>
<td>$0.69</td>
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<tr>
<td>WATER LOOP HEAT PUMP</td>
<td>$0.10</td>
<td>$0.94</td>
<td>$1.04</td>
<td>$8.00</td>
</tr>
</tbody>
</table>

PER SQUARE FOOT OF BUILDING SPACE
ClimateMaster® meets the unique needs of building owners and their tenants. Perfect for multi- or single story office buildings, properties with private offices, meeting rooms and large or small open office areas, and buildings with repeating floor plans.

ZONED FOR COMFORT AND CONTROL
ClimateMaster® water source heat pump systems deliver the ultimate in zoned comfort control. Tenants can easily control private offices, meeting rooms, open office areas and more with thermostats on each unit or one "intelligent" control system. During or after hours, the systems can heat and cool separate zones simultaneously on demand. And unlike chilled water systems that cannot fairly pro-rate usage, ClimateMaster® water source heat pump systems enable accurate metering for direct tenant billing. Should there be a need to meter usage or control temperatures levels in selected areas, connectivity is easily accomplished.

QUIET COMFORT
The added comfort of ClimateMaster® water source heat pump systems doesn’t stop with greater tenant control. Sound attenuation features such as dual-spring compressor isolation, fully insulated cabinets, and water connections with flexible stainless steel kits reduce potential noise. There is no excessive air flow to discomfort those near the unit. And the systems dehumidify as they cool for added comfort – especially beneficial in southern states. As a result, tenants enjoy a peaceful, comfortable room environment year-round.

ATTRACTIVE BUILDING FROM EVERY VIEWPOINT
Whether you are a building owner, property manager or a tenant, ClimateMaster® water source heat pump systems are good for business. The sleek, space-saving units maximize rentable space. The inherent simplicity of the system also eliminates the large mechanical room requirements of more cumbersome systems. Inside the building, tenants enjoy quiet comfort, conveniently zoned to suit their needs. Outside, there is no need for unsightly, multiple wall penetrations with condensers to distract from the building’s architectural beauty.

The result is a more attractive property, in more ways than one.

THE LONGEST LIFE ON THE MARKET
Because ClimateMaster® water source heat pump systems are easy to maintain and operate with very little stress on the system, they offer a longer system and component life. No other heating and cooling system provides a more attractive life cycle cost.

TRUST THE EXPERTS AT CLIMATEMASTER®
<table>
<thead>
<tr>
<th>Product Series</th>
<th>Standard Features &amp; Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>CXM</td>
<td>High Static PSC Blower, ECM-CT, Downflow Configuration, Multiple Access Panels, Remote Reset at Thermostat, Condensate Overflow Protection, Copper Water Coil, E-coated Tube/Fin Air Coil, Climadry (requires DXM2 Control), Service Disconnect, Internal Secondary Pump, Auto-flow Water Regulation, Two-Way Control Valve, vflow® Internal Variable Flow Pump, Water Side Economizer, Hydronic Heat, Tranquility® Rooftop (TRE)</td>
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<tr>
<td>DXM</td>
<td>High Static PSC Blower, ECM-CT, Downflow Configuration, Multiple Access Panels, Remote Reset at Thermostat, Condensate Overflow Protection, Copper Water Coil, E-coated Tube/Fin Air Coil, Climadry (requires DXM2 Control), Service Disconnect, Internal Secondary Pump, Auto-flow Water Regulation, Two-Way Control Valve, vflow® Internal Variable Flow Pump, Water Side Economizer, Hydronic Heat, Tranquility® Rooftop (TRE)</td>
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<td>DXM2 (i-gate)</td>
<td>High Static PSC Blower, ECM-CT, Downflow Configuration, Multiple Access Panels, Remote Reset at Thermostat, Condensate Overflow Protection, Copper Water Coil, E-coated Tube/Fin Air Coil, Climadry (requires DXM2 Control), Service Disconnect, Internal Secondary Pump, Auto-flow Water Regulation, Two-Way Control Valve, vflow® Internal Variable Flow Pump, Water Side Economizer, Hydronic Heat, Tranquility® Rooftop (TRE)</td>
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**Notes:****
- Tranquility® 30 Digital Two-Stage (T6H/V) & Tranquility® High Efficiency Two-Stage (T6H/V) are available only in sizes 026 - 072.
- Tranquility® Vertical Stack (TSM) & Tranquility® Vertical Stack (TSL) are available only in sizes 060 - 072.
- Tranquility® Large (TL) & Tranquility® Compact Belt Drive (TCH Large) are available only in sizes 036 - 072.
- Tranquility® Compact Belt Drive (TCV Large) is available only in sizes 036 - 072.
- Tranquility® Console (TRC) is available only in sizes 036 - 072.
- Tranquility® Rooftop (TRE) is available only in sizes 036 - 072.

**Symbols:**
- O = Optional
- S = Standard
- * = microchannel coils standard on sizes 026 - 049, tube/fin coils standard on 064 - 072
- ** = tube/fin coils standard on all sizes except 024 to 048 which have microchannel coils
- 1 = Desuperheater optional on sizes 036 - 072
- 2 = DXM2 required for ECM-CV
- 3 = front return units come standard with 3/8” washable filter, bottom returns have 1” standard filter

ClimateMaster works continually to improve its products. As a result, the design and specifications of each product at the time for order may be changed without notice and may not be as described herein. Please contact ClimateMaster’s Customer Service Department at 1-405-745-6000 for specific information on the current design and specifications. Statements and other information contained herein are not express warranties and do not form the basis of any bargain between the parties, but are merely ClimateMaster’s opinion or commendation of its products.