



AIRPORT MECHANICAL EQUIPMENT STANDARDS
Los Angeles World Airports

HVAC Equipment Standards

| Equipment Type | Specified Manufacturers | Remarks | Specifications Section |
|--|--|--|--|
| Air Handling Units | Temtrol Energy Labs Governair | Central Station Air Handling Units; MERV 8 pre-filter, bipolar ionization, carbon or PCO, MERV 14 final filter, UV lights; Economizer | 23 74 13 – Central Station Air Handling Units |
| Packaged Rooftop Air Conditioning Units- Custom | Mammoth Energy Labs Governair | Units larger than 5 tons | 23 81 06 – Packaged Rooftop Air Conditioning Units - Custom |
| Packaged Rooftop Air Conditioning Units – Non Custom | Carrier Trane York | Units 5 tons and less | 23 81 03 – Packaged Rooftop Air Conditioning Units – Non Custom |
| Chilled Water Fan Coil Units | Carrier Trane Johnson Controls | Stainless steel drain pan w/leak detection; Belt drive fans; 2" pleated MERV 11 filters; Condensate pump | 23 82 19 – Fan Coil Units |
| VAV Boxes | Anemostat Price Titus | Digital controller; Hydronic heating coil – min. 2 row; Lined discharge attenuator section (minimum 36" long) | 23 36 00 – Air Terminal Units |
| DX Self-Contained Air Conditioning Units For IT and MPOE Rooms | Liebert | See IT Design Guidelines. Condensate pump; Stainless steel drain pan w/leak detection | 23 81 23 – Computer Room Air Conditioners |
| Ductless Split-System Units | Mitsubishi Daikin Sanyo | Units less than 5 tons | 23 81 27 – Ductless Split-System Air Conditioners |
| Fans | Twin City Fan Co. Greenheck Cook | Belt drive w/motor cover and belt guard; Upblast configuration for roof mounted fans; Stainless steel construction for grease applications; Speed controller | 23 34 00 – HVAC Fans |
| Diffusers | Anemostat Price Titus | | 23 37 00 – Air Outlets and Inlets |
| Chillers | Carrier Trane York | | 23 64 11 – Package Water Chillers 23 64 16 – Centrifugal Water Chillers |



AIRPORT MECHANICAL EQUIPMENT STANDARDS
Los Angeles World Airports

| | | | |
|--|--|------------------|---|
| Heat Exchangers – Shell and Coil (Packaged) | Elge / Alstrom Heat Transfer LLC. Alfa Laval Taco | | 23 57 00 – Heat Exchangers for HVAC |
| Heat Exchangers – Shell and Tube (Packaged) | Alfa Laval Taco Standard Exchange | | 23 57 00 – Heat Exchangers for HVAC |
| Heat Exchangers – Brazed Plate (Field Assembled) | Alfa Laval Invensys APV, Inc. Xylem; Bell & Gossett | | 23 57 00 – Heat Exchangers for HVAC |
| Boilers | Ajax Lochinvar Raypak | Temporary system | 23 52 00 – Heating Boilers Not in the DCH |
| Valves | Crane Milwaukee Nibco | | 23 05 23 – General Duty Valves for HVAC Piping |
| Dampers | Air Balance Inc Ruskin Pottorff | | 23 33 00 – Air Duct Accessories |
| Cooling Towers | Baltimore Aircoil Co. Delta Cooling Towers Evapco Inc | Temporary system | 23 65 00 – Cooling Towers |
| Pumps | Bell & Gossett Armstrong Taco | | 23 21 23 – Hydronic Pumps |
| Vibration Isolators | ISAT Mason Industries Or Approved Equal | | 23 05 48 – Vibration and Seismic Controls for HVAC Piping and Equipment |
| Hangers and Supports | Tolco/B-line Systems/ Cooper Industries PHD Manufacturing, Inc. Or Approved Equal | | 23 05 29 – Hangers and Supports for HVAC Piping and Equipment |
| BAS | JCI Siemens Alerton | | 25 20 00 – Integrated Automation |
| FMCS | Wonderware | | 25 20 00 – Integrated Automation |
| Photocatalytic Oxidation (PCO) System | Genesis Air/ IAQ Solutions, Inc. UVDI Trane Photocatalytic Air Cleaner | | 23 41 00 – Photocatalytic Oxidation (PCO) System |
| Bipolar Ionization | Plasma Air International Aerisa AtmosAir | | 23 40 00 – HVAC Air Cleaning Devices |



AIRPORT MECHANICAL EQUIPMENT STANDARDS
Los Angeles World Airports

| | | | |
|--|---|--|--|
| Activated Carbon Filters | Flanders Barneby Sutcliffe, Div. of Calgon Corp. American Air Filter | | 23 40 00 - HVAC Air Cleaning Devices |
| Extended Surface Rigid Air Filter w/ Synthetic Media | Flanders Camfil-Farr American Air Filter | | 23 40 00 - HVAC Air Cleaning Devices |
| Disposable Panel Filter | Tridem Camfil-Farr American Air Filter | | 23 40 00 - HVAC Air Cleaning Devices |
| Ultra Violet Germicidal Irradiation (UVGI) System | Steril-Aire UV Resources UVDI | | 23 42 00 – Ultra Violet Germicidal Irradiation (UVGI) System |

END OF SECTION