15855-H: SUPPLEMENTAL AIR HANDLING UNITS GUIDELINE FOR UMHHC FACILITIES

Related Sections
Basis Guideline: 15855 - “Air Handling Units”
For an explanation of the use of these guidelines, see SID-A-H “Design Guidelines for UMHHC Facilities”

Air Handling Unit Types
The use of modular units should normally be limited to light-duty use in outpatient clinics.
Custom units should be used in all inpatient facilities, all applications greater than 20,000 CFM and all intensive outpatient clinic uses (i.e. labs).

Construction
Sheaves
Provide balanced variable sheaves for motors 7.5 HP and under and fixed sheaves for motors 10 HP and over. Size variable sheaves at midpoint of specified operating conditions to allow field adjustment up or down during balancing procedures. Where fixed speed sheaves are specified for a specific fan, provide one (1) additional sheave set, if required, for final balancing. For fans ½ HP and larger, quantity of belts shall be such that if any one belt fails, remaining belts shall allow fan to continue functioning as designed.