APPARATUS DEPARTMENT

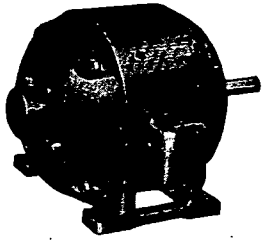
GENERAL ELECTRIC

SCHENECTADY, N. Y.

Sales Offices, Warehouses, Service Shops, and Distributors in Principal Cities

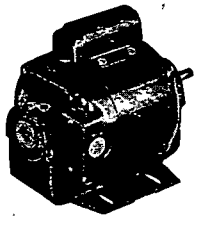
MOTORS FOR HEATING, VENTILATING, AND AIR CONDITIONING

General Electric offers a complete line of motors for compressors, fans, and pumps, from which you can select easily the motors with electrical and mechanical characteristics best adapted to your equipment. Many of the most common applications are listed below. Information on other motors—vertical, enclosed, etc., with various electrical and mechanical modifications—can be obtained at a G-E office near you.



Tri-Clad induction motor, Type K, polyphase*

For additional information, ask for Motor Bulletin GEA-3580.



Fractional-horse-power capacitor-motor, Type KC

SOME G-E MOTORS AND THEIR USES

Application	Speed	Type Winding	Type	Horsepower Range	Power supply Classification
Fans and Centrifugal Pumps	Constant or Adjustable	Shunt	B & CD	1/8—200	Direct Current
		Compound	B & CD	1/8—200	
Reciprocating Pumps and Compressors	Constant	Capacitor, Normal torque	KC	1/4—3	Single-phase Alternating-current
		Capacitor, High-torque	KCJ	1—3	
Small Direct-connected Fans	Constant	Resistance, Split-phase	KH	1/40—1/3	
		Shaded-pole	KSP		
	Constant or 3-speed	Capacitor, Low-torque	KCP	1/50—3/4	
Belted Fans, Centrifugal Pumps	Constant	Capacitor, Normal-torque	KC	1/4—3	
		Repulsion-induction	SCR	5—10	
Reciprocating Pumps and Compressors	Constant or Multispeed	Squirrel-cage, Normal-torque	K	1/4—1000	Polyphase, Alternating-current
		Squirrel-cage, High-torque	KG	5—200	
Pumps, Compressors, Fans	Constant or Adjustable-varying-speed	Wound-rotor	M	1/2—1000	
	Constant	Synchronous	TS	25—2000	

Types of Enclosures: Open (dripproof)—protected from falling objects or dripping liquids. Splashproof—where wetness is a factor. Totally enclosed—for complete protection. Explosion-proof—for inflammable gases. Dust-explosion-proof—for combustible dusts.

* Trade-mark reg. U. S. Pat. Off.

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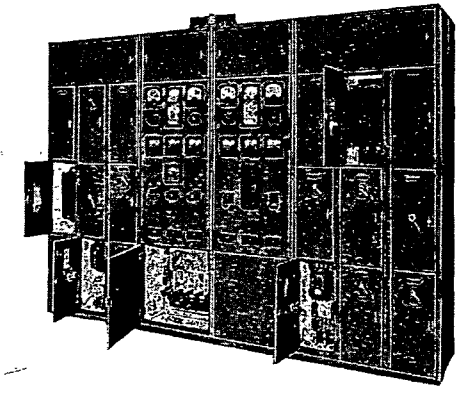
CONTROL FOR HEATING, VENTILATING, AND AIR-CONDITIONING MOTORS

General Electric offers a complete line of standard manual and automatic controls for all types of motors driving compressors, fans, pumps, etc. Publications describing these items, as well as such control accessories as pressure governors, pressure switches, float switches, electrically operated valves, and indicating selsyns, are available on request. For special applications, G-E control to meet your exact requirements can be designed. Most frequently, however, the needs of the air-conditioning industry are best served by one of the many possible G-E "packaged" control combinations designated as Cabinetrol* equipments.



Typical Cabinetrol unit, showing open motor-starter panels

The Cabinetrol system of motor control is based upon the use of standardized enclosures equipped with standard control devices. General Electric can build quickly most air-conditioning control systems—simple or complex—by properly combining standard control units and accessories into the required number of basic Cabinetrol sections. If future expansion should require further control equipment, additional Cabinetrol units can easily be added to the basic system.

The standard enclosures used in the Cabinetrol system will mount standard motor-starting devices up to and including NEMA Size 4. Ample space is provided for incoming-line, feeder, and metering equipment. Bulletin GEA-3856 details more fully the advantages of this new system of centralized low-voltage control.

The General Electric Company will gladly assist in the solution of any electrical problem related to air conditioning.

* Trade-mark reg. U. S. Pat. Off.