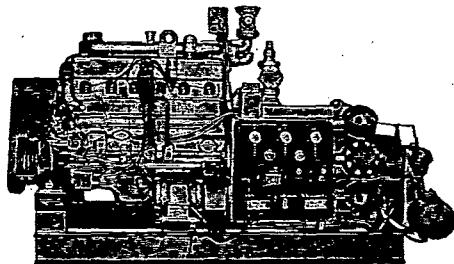


THE READY POWER CO.

NATURAL GAS PACKAGED AIR CONDITIONERS



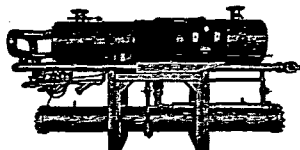
GENERAL DESCRIPTION—Ready-Power Air Conditioning Units combine modern, Freon compressors with medium-speed industrial-type gas engines. These packaged gas air conditioning units are performance-tested under actual operating conditions to insure long, trouble-free, service. These units operate on clean natural gas. Engine carbon deposits are nearly non-existent. These natural gas-carbureted engines last 3 to 5 times longer than similar engines operated on gasoline.

OUTSTANDING ECONOMY—Less than 13 cu ft of low-cost natural gas is required per ton hour. Fuel consumption is in direct proportion to the actual load throughout over 80 percent of the capacity range. A power take-off pulley is provided on the engine shaft to provide belt-driven tower pumps. The economy combination of low fuel requirement, engine-powered tower circulation, and "matched to the load" fuel consumption makes Ready-Power outstanding in net refrigeration costs.

AUTOMATIC OPERATION—All Ready-Power Units are available with either Thermostat Start or Push-button Start Controls. All models are equipped with a-c electric starting motors and automatic **LOAD-MATCH** capacity controls. Thermostat Start Units start and stop automatically in response to the setting of your thermostat. Push-button start units must be started and stopped manually.

AUTOMATIC CAPACITY CONTROL—Automatic Capacity Control is achieved by varying the operating speed and by unloading compressor cylinders after the unit has dropped to the minimum operating speed. This means that the pumping rate of the compressor is exactly matched with the cooling load. In this manner, maximum operating economy is realized. This "LOADMATCH" capacity control system permits almost continuous compressor operation at a constant evaporation coil temperature, the result of which is extremely close control of humidity and temperature without the need for large re-heat systems.

DETROIT 14, MICHIGAN



COMPRESSORS—Modern precision balanced Freon 12 and 22 compressors assure a minimum of vibration. The Ready-Power control system automatically unloads compressor and permits start-up at idle speed with all cylinders unloaded. Approximately 2 to 3 minutes are required to fully load the compressor after start-up. This greatly decreases start-up impact loading on valves, bearings, etc., and substantially increases compressor life over similar equipment operating at synchronous constant speeds of 1750 rpm or higher.

COMPACT AND READY TO RUN—Complete "packaging" of auxiliary controls and accessory items with the direct driven compressor unit permits quick, easy installation in a space measuring only 3 ft. X 7 ft.

MATCHED WATER CHILLERS—Ready-Power offers completely balanced and tested refrigerant systems for water-chilling applications. Matched chiller-condenser units are designed to take full advantage of the variable capacity feature of the engine compressor units. The chiller and condenser are mounted on a heavy structural steel frame assembly, completely piped and wired. A control cabinet houses the necessary related solenoids relays and switches and other controls.

LONG SERVICE LIFE—Powered by medium-speed industrial engines, these systems have achieved an outstanding reputation for dependability and long service. The compressors represent the latest developments in design, engineering, and manufacture, and are long-wearing and smooth-running. Units are equipped with automatic engine oil level controls and closed engine water cooling circuit.

PHYSICAL DATA ENGINE COMPRESSOR PACKAGED UNITS

ENGINE-COMPRESSOR No.	R220C812	R220C822	R220C912	R220C1312	R220C972	R450C1322
Compressor cylinders	1	3	5	7	5	7
Normal capacity	25 tons	35 tons	55 tons	61 tons	80 tons	75 tons
Refrigerant	R-22	R-22	R-22	R-22	R-22	R-22
Length—Overall	6'10"	8'10"	12'2"	12'2"	12'2"	12'2"
Width—Overall	2'2"	2'2"	2'2"	2'2"	2'2"	2'2"
Height—Overall	4'1"	4'1"	4'1"	4'1"	4'1"	4'1"
Length of Base	5'10"	5'10"	5'10"	5'10"	5'10"	5'10"
Width of Base	3'0"	3'0"	3'0"	3'0"	3'0"	3'0"
Shipping Weight (approx.)	2450 lb	3450 lb	5200 lb	5200 lb	2900 lb	3200 lb

PHYSICAL DATA MATCHED CHILLER CONDENSER UNITS

Chiller Model No.	RCP20	RCP25	RCP30	RCP40	RCP50	RCP60	RCP65	RCP80	RCP100	RCP120	RCP130	RCP140
Normal Capacity	20 T.	25 T.	30 T.	40 T.	50 T.	60 T.	65 T.	80 T.	100 T.	120 T.	130 T.	140 T.
Length	11' 11"	12' 11"	13' 11"	14' 11"	15' 11"	16' 11"	17' 11"	18' 11"	20' 11"	22' 11"	23' 11"	24' 11"
Width	3' 0"	3' 0"	3' 0"	3' 0"	3' 0"	3' 0"	3' 0"	3' 0"	3' 0"	3' 0"	3' 0"	3' 0"
Height	4' 0"	4' 0"	4' 0"	4' 0"	4' 0"	4' 0"	4' 0"	4' 0"	4' 0"	4' 0"	4' 0"	4' 0"
Shipping wt. Approx.	1800	2200	2540	3200	3440	4040	4500	5720	8720	10720	11400	12000

This equipment data and information is included for convenience in rough analysis, layout, and application. It is not guaranteed accurate for final detailed design. For current design information consult the nearest manufacturer sales office or your local Gas Utility Company.



Aerovent Fan Company, Inc.

Ash and Blade Sts. Piqua, Ohio

Efficiency-engineered industrial fans and air handling equipment

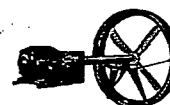


DIRECT CONNECTED

Heavy-duty units for industrial exhaust or air supply. Steel ring or panel orifice. Size 9 in. to 96 in. with 2, 4 or 6 blades. For capacities to 145,000 cfm. Also available in Extended Shaft and Pulley types. Write for Bulletin 100.

EXTENDED SHAFT

For high temperature, moisture or corrosive conditions. Ring or panel orifices. Sizes 12 in. to 84 in. with 2, 4 or 6 blades. Capacities to 120,000 cfm. Bulletin 100.



NEW "LS" FANS

Belted and Direct Driven Ring, Panel or Duct types with new 4-blade "Macheta" Airfoil Propellers for peak performance at resistances to 1 1/4 in. S.P. Sizes 24 in. to 48 in. for capacities to 40,000 cfm. Ask for Bulletin 150 and 775.

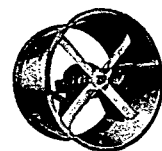
PORTABLE UTILITY

For personnel cooling, product drying and processing and fume removal. Adjustable for 180 degree discharge. Sizes 16 in. to 36 in. for capacities to 20,450 cfm. Bulletin 250.



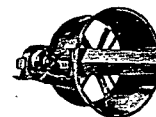
MANCOOLERS

For spot cooling of men and machines, exhaust and general air circulation. Cradle, pedestal and 2 or 4-wheeled types. Portable, adjustable for 180 discharge. Sizes 24 in. to 48 in. with 2, 4 or 6 blades. Capacities to 40,000 cfm. Bulletin 250.



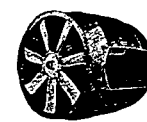
DIRECT-DRIVEN DUCT

Preferred by industry for high-velocity air circulation and exhaust of non-hazardous atmospheres. Sizes 12 in. to 96 in. 2, 4 or 6 blades. Capacities to 145,000 cfm. Bulletin 150.



BELT-DRIVEN DUCT

Recommended for handling dusts, fumes, vapors, high temperatures and hazardous atmospheres. Sizes 12 in. to 96 in. 2, 4 or 6 blades. Capacities to 145,000 cfm. Bulletin 150.



SEMI-PRESSURE FANS

Standard units with new 7-blade propellers move more air with less power at resistances to 4 in. S.P. Sizes 14 in. to 60 in. Five types. Shown is "Bi-Flo" Duct Fan. Bulletin 400.

VANEAXIAL

Designed for maximum efficiency and economy against resistances to 6 1/4 in. S.P. High-velocity, straight-line air discharge. Sizes 12 in. to 48 in. Capacities to 77,000 cfm. Bull. 450.



AIR MAKE-UP UNITS

Temper and filters outside air entering working areas. Steam, hot water and gas-fired types. Sizes 24 in. to 54 in. 2, 4 or 6 blades. Capacities to 45,000 cfm. Bulletin 650-675.

CENTRIFUGAL BLOWERS

For materials-handling, dust-collecting or exhaust systems. Reversible rotation. Adjustable discharge. 19 in., 26 in., 33 in., 40 in. and 51 in. wheel diameters. Bulletin 700.

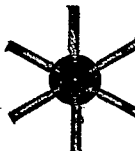


ROOF VENTILATORS

Three models, featuring rugged all-weather construction with new 'low-level' design. Sizes 12 in. to 72 in. 2, 4 or 6 blades. Capacities to 93,500 cfm. Bulletin 600.

LARGE DIAMETER PROPELLERS

Adjustable-pitch aluminum alloy blades with cast aluminum hubs in 4 and 6 blade types and sizes 54 in. to 144 in. New AL-Metal propellers for cooling tower and heat exchanger applications in sizes 14 in. to 18 in. with 4 or 6 blades. Bulletins 600 and 610.



PENTHOUSES

Weather-tight enclosure for exterior mounted fans. Eliminates drafts; provides safe exit for fumes and vapors. Sizes 16 in. to 72 in. Shutters optional. Bulletin 650.

MEMBER AIR MOVING AND CONDITIONING ASSOCIATION (AMCA)

Air deliveries of Aerovent equipment are determined in accordance with established and accepted codes and each unit is guaranteed by the manufacturer to deliver rated performance.

