



YANMAR

VRF TECHNOLOGY

COGENERATION

GAS HEAT PUMP



RNG & NATURAL GAS POWERED
AIR CONDITIONING

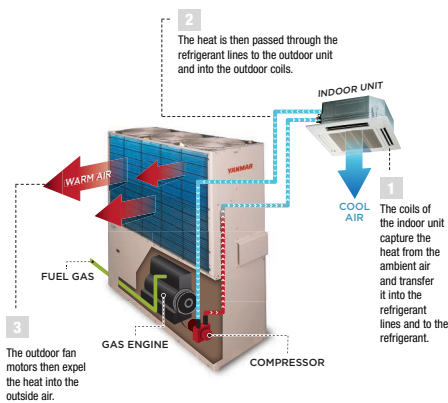
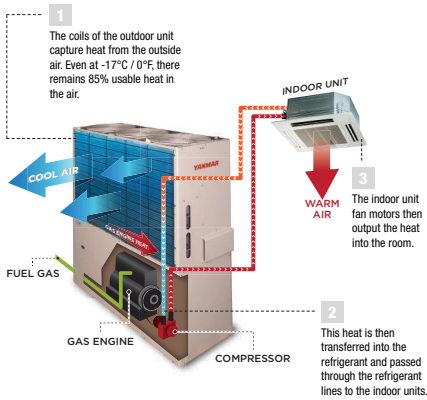
MICRO CHP



COMBINED
HEAT & POWER SYSTEMS

HOW VRF WORKS

HEATING
COOLING



REDUCE OPERATIONAL COST BY 30-70%

REDUCE ELECTRICAL CONSUMPTION BY 90%

ENGINE DRIVEN TECHNOLOGY

QUIET OPERATION 54-58 DB

VRF HEAT PUMP & HEAT RECOVERY

HYDRO BOX AVAILABLE

POWER CONNECTION SINGLE PHASE 208-240V

VERSATILE FOR ALL ENVIRONMENTS

ENERGY SOLUTIONS

Yanmar's Gas Heat Pump (GHP) Variable Refrigerant Flow (VRF) units provide high efficiency heating and cooling for commercial buildings. VRF can be configured in ducted and non-ducted applications. Each zone can be controlled by its own thermostat, enabling heating and cooling in different zones simultaneously.

LOW CARBON FOOTPRINT

- Significant reduction in harmful emissions
- 80% less NOx, 100% less SOx, 35% less CO2

RELIABLE

- Proven technology and superior performance backed by warranty

LOW MAINTENANCE

- 10,000 hour maintenance interval

Yanmar's Combined Heat and Power (CHP) system uses an internal combustion engine powered by clean natural gas to produce both heat and electric power. Heat normally wasted in the engine's exhaust system is recovered for other purposes – like heating water or space heating – reaching 88% total system efficiency.

ENVIRONMENTALLY RESPONSIBLE

- Reduce energy costs up to 50%
- Increase energy efficiency and reduce GHG emissions
- Solar and net-metering enabled

GENERATES ON-SITE ELECTRICITY

- Microgrids and district energy
- Independent control
- Remote power
- Blackout start
- Smart battery management
- Electric vehicle charging
- Sustained occupancy emergency generation (life safety emergency generator system)

VERSATILE, RELIABLE, & RESILIENT

- 10,000-hour maintenance interval
- Residential and commercial
- Commercial hydronic heating
- Heating and cooling
- Domestic hot water
- Small footprint
- Whisper quiet

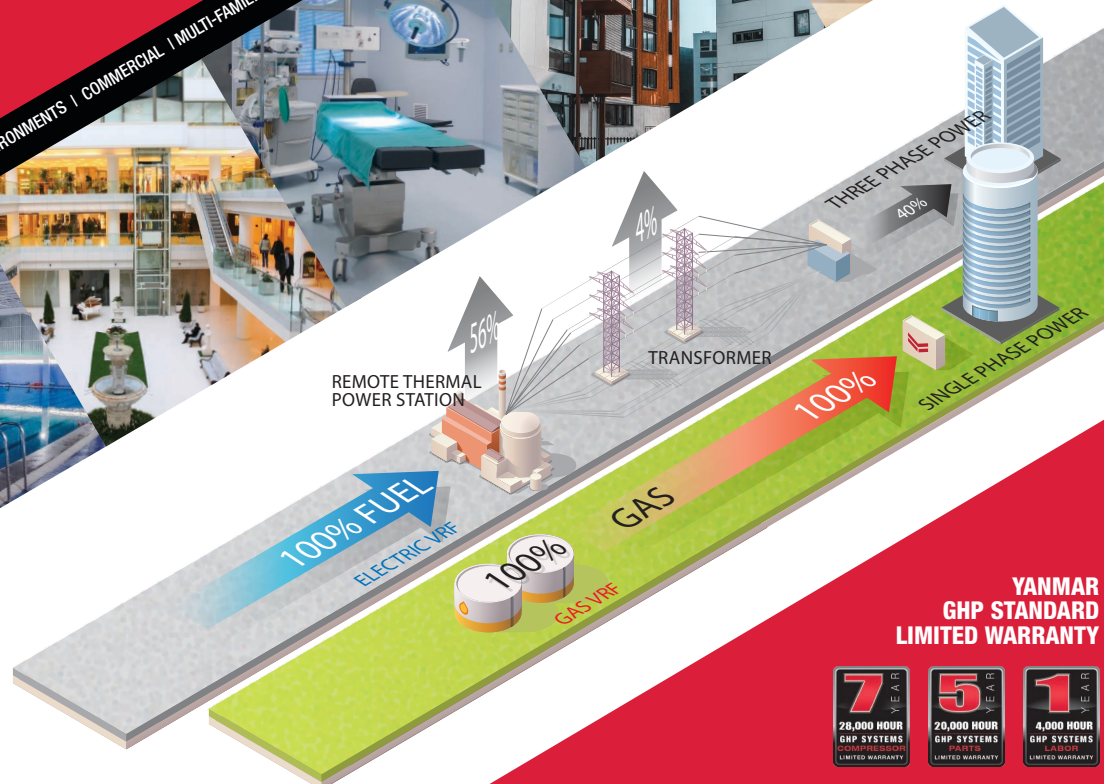
DID YOU KNOW?

Yanmar recently installed (2) Yanmar 14-ton Heat Recovery (3-pipe) systems in a 17,000 square foot building.

In this installation, the VRF technology allows for simultaneous heating and cooling for 36 different zones.

Yanmar's Remote Monitoring Adapter allows for on-site 24/7 oversight and supervision.

VERSATILE SOLUTIONS FOR ALL ENVIRONMENTS | COMMERCIAL | MULTI-FAMILY | MULTI-STORY MODULAR SOCIAL HOUSING | MULTIPLEX/AQUATIC CENTRES | GOVERNMENT | MUNICIPAL | HOSPITALS | SCHOOLS | HOTELS



YANMAR GHP STANDARD LIMITED WARRANTY

7 YEAR 28,000 HOUR GHP SYSTEMS LIMITED WARRANTY	5 YEAR 20,000 HOUR GHP SYSTEMS LIMITED WARRANTY	1 YEAR 4,000 HOUR GHP SYSTEMS LIMITED WARRANTY
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