



# MICROGRIDS

THE POWER OF COGENERATION & CONNECTIVITY

OUR RELIABILITY AND CONTINUOUS OPERATION IS IDEAL WHEN ENERGY RESILIENCE IS OF UTMOST IMPORTANCE.



MULTI-FAMILY RESIDENTIAL



COLLEGES & UNIVERSITIES



HOSPITALS & HEALTHCARE



OFFICES & COMMERCIAL



CITIES, GOVERNMENT, & MUNICIPAL

Are you looking to maintain reliable, renewable power – without sacrificing quality – no matter what kind of grid event happens?

With gas-fired CHP, you can:

- Reliably source electricity & thermal energy, even during emergencies
- Use it as resilient baseload DER anchor
- Combine with alternative energy sources to support cost-effective and sustainable microgrid
- Deploy more zero-emissions sources
- Recover & use waste heat
- Help manage power supply and demand
- Improve grid resilience to extreme weather



## THE YANMAR ADVANTAGE

- Extremely small footprint maximizes your limited space
- Indoor or outdoor placement available
- Helps prevent voltage fluctuation and power quality issues
- Responds quickly to changes in grid-supplied power
- Operates continuously and provides blackstart operation during grid outages
- Island-capable systems can maintain heat and power service to loads within microgrid network during outages, and fulfill load-shedding requests during high-demand periods
- True vertical integration from engine manufacturing to training and service support



# MICRO CHP

Yanmar's Combined Heat and Power unit is powered by clean natural gas to produce both heat and electric power, reaching



## GENERATES ON-SITE ELECTRICITY

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

## VERSATILE, RELIABLE, & RESILIENT

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

## ENVIRONMENTALLY RESPONSIBLE

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

## POWER OUTPUT

35 kW

## OPERATION NOISE

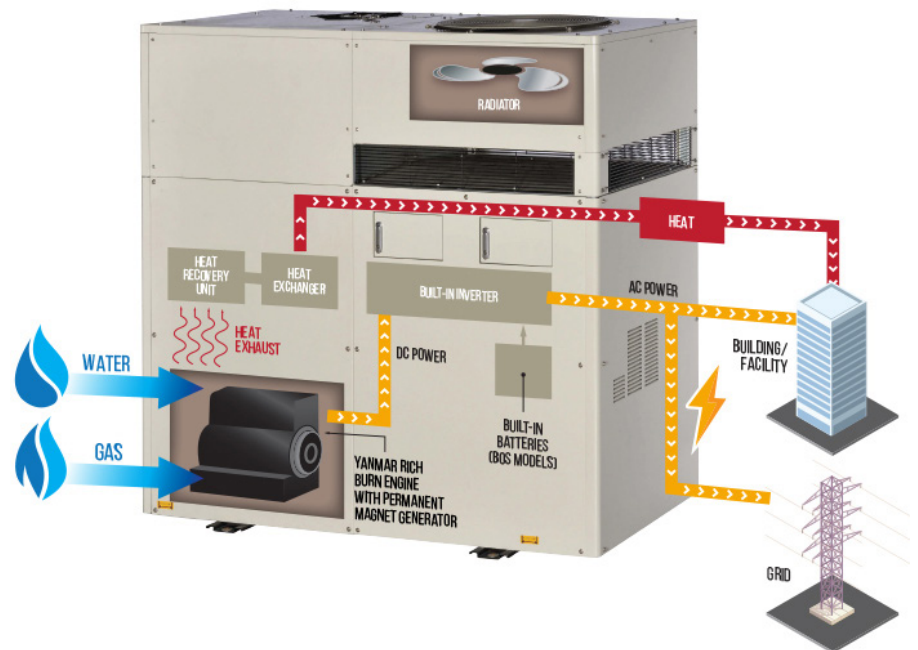
## DIMENSIONS

WIDTH in(mm):

78.74 (2000)

DEPTH in(mm):

31.50 (800)



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770.877.9894

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