Power that runs the whole house

2716 Silverstone Way, Conroe, TX 77304. MLS 96610852.

Most home generators keep a few circuits alive. This one runs the entire house.

The generator

Make and size	Generac 48kW whole-home standby generator
Output	48,000 watts, 200 amps at 120/240 volts (Generac 48kW spec sheet)
Engine	4.5 liter, liquid cooled
Fuel	Natural gas from the utility line. No tanks, no deliveries, no refueling.
Starts	Fully automatic. It comes on by itself when utility power drops.
Installed	July 2024 by GenTex Power Systems
Electrical	Two new 150-amp panels with whole-home surge protection, installed December 2024

How big is 48kW?

The home standby units most houses get are air cooled and top out in the 20kW to 26kW range. On natural gas, Generac rates its 24kW unit at 87.5 amps (Generac 20kW to 24kW spec sheet). This one is rated at 200 amps, more than twice that.

What that covers

Load	Typical draw	Source
A 3-ton central air conditioner	3.5kW to 5kW running	Generac sizing guide
A Level 2 electric vehicle charger	6.6kW to 19.2kW	U.S. Department of Energy
This generator's capacity	48kW	Generac 48kW spec sheet

So the air conditioning, the kitchen, the home office, medical equipment, a car charger and a workshop can all stay on at once, with room for a pool or a guest house later.

Why it matters here

- **Hurricane Beryl, July 2024.** CenterPoint's outage count peaked at 2.26 million customers, the largest in its history (Houston Chronicle).
- **The May 2024 derecho.** 922,000 customers lost power and it took six days to restore nearly all of them (Houston Chronicle).
- **The February 2021 freeze.** Texans who lost power went an average of 42 hours without it (Texas Tribune).

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