

PRO SERIES · CO₂ HEAT PUMP MODULE

6 kW Heat Pump

MODEL **CHPCO-6-PRO**

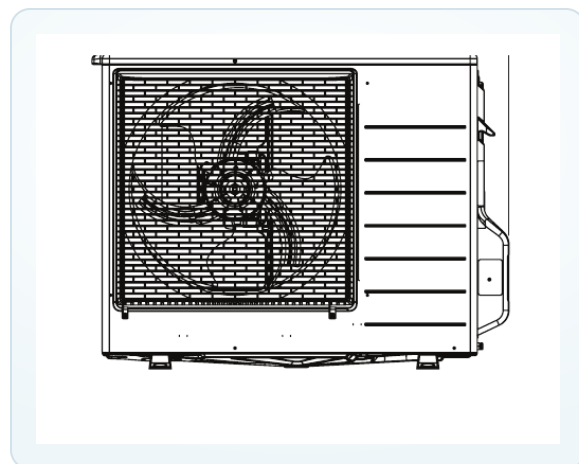
The new **6 kW CO₂ heat pump** is the core heating module of the WaterDrop **Pro Series**. A cold-climate, outdoor split unit using natural CO₂ refrigerant, it delivers high-temperature domestic hot water with class-leading efficiency — operated by WaterDrop's patent-pending **DHW Manager®**.

6.3
COP EFFICIENCY

180°F
MAX WATER TEMP

-20°F
OPERATES TO

40dB
QUIET RUNNING



OUTDOOR SPLIT · CHPCO-6-PRO

— GENERAL CHARACTERISTICS

RATED CAPACITY
6 kW per unit

REFRIGERANT
CO₂ (R-744) natural · ultra-low GWP

EFFICIENCY
COP up to 6.3

HOT WATER OUTPUT
120 – 180°F

COLD-CLIMATE RANGE
Full to -13°F · runs to -20°F

SOUND LEVEL
40 dB quiet operation

INSTALLATION
Outdoor split

HEAT EXCHANGER
Double-wall tube potable-safe

FOOTPRINT (W×H×D)
35 × 26½ × 14½ in · 114 lb

MAX WATER PRESSURE
150 psi (1034 kPa)

CO₂ CHARGE
900 g

CERTIFICATIONS
UL 60335-2-40 / CSA C22.2

BUILT FOR THE PRO SERIES



Developed for WaterDrop Systems in partnership with the **AO Smith Commercial Water Heating Group**, the Pro Series heat pump is engineered as an integrated module of the **WaterDrop Pro Series** and **Droplet Pro Series** plants — with heating, controls, and hot-water management handled at the system level.

- ✓ Natural CO₂ refrigerant — ultra-low global warming potential
- ✓ Cold-climate performance to -20°F
- ✓ No back-up electric heater required
- ✓ Class-leading efficiency — COP up to 6.3
- ✓ 5-Year Warranty
- ✓ Intertek (ETL) Listed

INTELLIGENT CONTROL

DHW Manager® Patent-pending WaterDrop controller operates the heat pump & manages outlet water temperature

DHW Optics® Cloud platform & user interface for remote monitoring, data & control

Modes Heat Pump — max efficiency · Quietest — 40 dBA

IDEAL APPLICATIONS

Multifamily Hospitality Healthcare

Light Commercial Recreation & Fitness

Institutional DHW

Any commercial application with sustained high-volume domestic hot water demand.

WARRANTY 5-Year Warranty

WaterDrop, DHW Optics & DHW Manager are registered trademarks of Dynamic H2O LLC.