CaptiveAire 5424ND-2-PSP-F

12' Self-Cleaning Exhaust-Only Wall Canopy Hood — 2-Fan Package with Optional ANSUL Fire System — Technical Spec Sheet

Specification	Value
Brand	CaptiveAire Systems, Inc.
SKU	CAP-12-2F-F
Category	Commercial Exhaust Hoods
Package Contents	1x ND-2 Series Wall Canopy Hood (5424ND-2-PSP-F, 12ft) + 1x Exhaust Fan (DU50HFA / NCA16FA) + 1x Supply Fan (A1-G10) + optional ANSUL-3.0/1.5 Fire Suppression System

Hood #1-H1 — 5424ND-2-PSP-F (12ft)

Specification	Value
Model Number	5424ND-2-PSP-F-12
Hood Type	Type I, Exhaust-Only Wall Canopy Hood with Front Perforated Supply Plenum (PSP), built-in 3" back standoff
Width	144 in. (12 ft)
Depth	54 in.
Height	24 in.
Weight (complete package as configured)	1,190 lbs
Material	Type 430 stainless steel (interior and exterior of front)
Filter Type	Stainless steel baffle filters with removable 1/2 pint grease cup
Mount Style	Wall type
Self-Cleaning System	Yes — automatic daily hot-water spray cycle (factory-set 3-minute wash duration, adjustable); 3/4", 1", 1.5" NPT water inlet; 1-1/2" NPT drain
Fire Suppression Upgrade Option	CORE Fire Protection System (ETL listed to UL 300) available as an alternative to ANSUL
Certifications	ETL Listed, ETL Sanitation Listed, UL Listed, built in accordance with NFPA 96

Fire System #1-H1 FS — ANSUL-3.0/1.5 (Optional)

Specification	Value
Model	ANSUL-3.0/1.5
Type	4.5-gallon wall-mounted wet chemical fire suppression system, pre-piped with detection
Coverage	Includes piping for 1 hood

Note	Final hook-up, tests and permits are NOT included

Fan #1 — DU50HFA / NCA16FA (Exhaust Fan, EF1)

Specification	Value
Model Number	DU50HFA (NCA16FA)
Fan Type	Belt Drive Centrifugal Upblast Exhaust Fan
Wheel Size	18.75 in.
Airflow (Exhaust)	2,760 CFM @ -1.000" w.c. ESP (External Static Pressure)
Fan Speed	1,029 RPM

Fan #2 — A1-G10 (Supply Fan, SF1)

Specification	Value
Model Number	A1-G10
Fan Type	Direct Drive, Untempered Supply Unit, Size #1 Housing
Blower Size	10 in.
Controls	Speed control, disconnect switch included

ND-2 Series — General Performance Reference

The table below is CaptiveAire's published general performance data for the ND-2 hood series (minimum exhaust CFM per foot of hood length, by cooking-surface temperature category). It is provided as manufacturer background reference for the hood series as a whole — the 2,760 CFM figure above is the actual, job-specific airflow rating for this SKU's exhaust fan.

Avg. Cooking Surface Temp.	Configuration	Min. Exhaust CFM/ft
450°F	Single Wall Hood	150
450°F	2 Wall Hoods Back-to-Back	300
600°F	Single Wall Hood	200
600°F	2 Wall Hoods Back-to-Back	400
700°F	Single Wall Hood	250
700°F	2 Wall Hoods Back-to-Back	500

Source & Verification Note

This spec sheet was compiled from two sources: (1) the SKU-specific configuration data on the ChefsDeal product page ("From The Manufacturer" text, vendor-supplied for this exact job/SKU) — this covers the hood model, dimensions, fan models, CFM/RPM ratings and the optional fire system; (2) CaptiveAire's own published ND-2 Series technical catalog sheet (captured via an authorized CaptiveAire dealer, acitydiscount.com) — this covers general hood construction, options and the general performance table above, and independently confirms the Filter Type and Certifications listed here.

Dimension correction: ChefsDeal's own product page currently lists Depth as 30 in. This was cross-checked against two independent sources and found to be incorrect — both CaptiveAire's model-numbering convention (the first two digits of "5424" encode a 54 in. depth) and the same exact model (5424ND-2-PSP-F, 12ft) as published by acitydiscount.com (Depth: 54.00 in.) confirm the correct value is 54 in., not 30 in. Width (144 in.) and Height (24 in.) matched across all sources and required no correction.

This document was prepared by the ChefsDeal Catalog team, based on the existing page data plus the cross-check above, as the customer-facing Resources / Spec Sheet PDF for this SKU.