



NW3-HC NovaWheel™ Dryers

NW3-HC and NW3-HC+ Portable Dryer/Hopper Series

NW3-HC+ Series include a 7-inch color touch screen PLC control, High-Efficiency Hopper, and unique standard features that others call options!

Enhance your plant's flexibility with this portable hopper/dryer combination, now DryerGenie-Ready for advanced AI-Drying. The energy saving NovaWheel™ dryer design includes a 4 or 7-inch color touch screen PLC that is easier to use than any other dry/convey control.

NWB-HC+ models include these unique features:

Seven-inch, High-Resolution, Color, Touch Screen, PLC Control

Intuitive icons guide the operator through set-up and monitor all drying parameters.

High Efficiency Hopper

Borosilicate Sight Glasses & High Efficiency Diffuser

OverDry Protection

Unique feature that eliminates over-drying of Nylons and other sensitive resins.

Intuitive Control With Diagnostics Guide

A troubleshooting guide, complete with photos on the touch screen walk you through operational alarms as well as routine maintenance.

Ethernet Ready Plus SD Card

Smart Ethernet connection with data logging and trending.

Networking Capability

ColorNet™ networkable color HMI and VNC viewer – compatible with many systems

› Intelligent Regeneration

Monitors the regeneration process and makes changes, automatically, to minimize the energy used to no more than required.

› Standard Three-Phase Detection

Detects phase error and provides an alarm.

› Auto-Start/Stop Timer

Set for any combination of hours per day and days per week.

› Automatic Monitoring and Alarm of Dryer Filter Condition

Operator is alerted with an alarm light when process or regeneration filters need to be cleaned or replaced.

› High Efficiency Stainless Steel Hopper

Fully insulated with full-length sight glass and pellet screen.

› Hopper and Dryer Uncouple

For use as separate units.



NWB-50-HC+



Seven-inch Color Touch Screen

› No-Charge Standards

- Dew point analyzer with indication and alarm
- Red/green alarm light
- Aftercooler or Precooler cooling coil

› 5-Year Warranty

For lowest cost of ownership.

NWB-HC-25 through -200 models

Includes a four-inch color touch screen PLC control and standard features shown, plus USB memory stick for data logging and trending.



Four-inch Color Touch Screen

Plus

- › Separate process and regeneration blowers
- › Cooling coil with plasticizer drain for temperatures above 225°F (107°C)

- › -40° dew point guaranteed
- › Open access to all components
- › Process temperatures up to 350°F (177°C) with interlock to heaters
- › Five-inch casters for mobility
- › 460/3/60 VAC standard
- › 5-Year warranty on ALL models

DryerGenie Ready

Elevate to A.I.-powered, condition-based drying. Experience resin drying at ludicrous speed!

SPECIFICATIONS

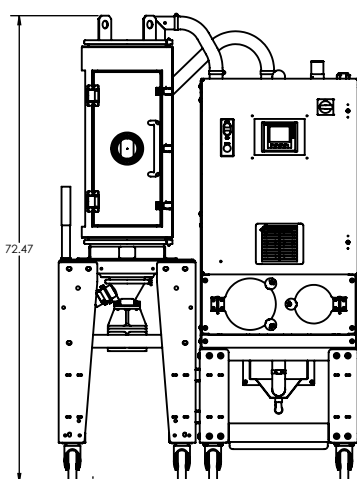
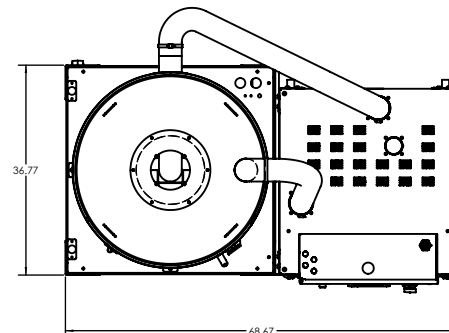
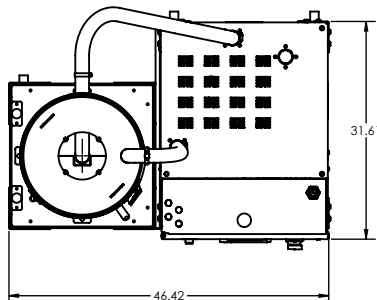
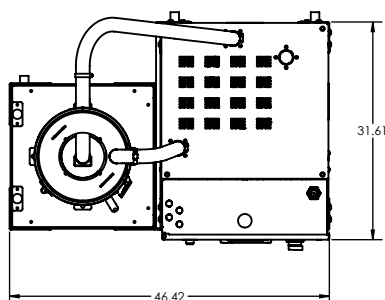
| Model Number | Width * | | Depth * | | Height * | | Air Connection | | Hopper Capacity | | Throughput Capacity | | | Connected Load | | | |
|--------------|---------|-----|---------|-------|----------|-----|----------------|------|-----------------|-----|---------------------|----------|----------|----------------|----------|------------|----------|
| | in | cm | in | cm | in | cm | in | cm | lb | kg | 460/3/60 | 415/3/50 | 575/3/60 | 460/3/60 | 230/3/60 | 400/3/50** | 575/3/60 |
| NW3-25-HC+ | 46.4 | 118 | 31.6 | 80.3 | 72.5 | 184 | 2 | 5.1 | 60 | 27 | 25 | 9.3 | 25 | 9.9 | 30.3 | 8.6 | 7.2 |
| NW3-50-HC+ | 46.4 | 118 | 31.6 | 80.3 | 75.4 | 192 | 2 | 5.1 | 110 | 50 | 50 | 18.6 | 50 | 13.6 | 32.1 | 12.3 | 10.2 |
| NW3-100-HC+ | 57.9 | 147 | 34.3 | 87.1 | 82.0 | 208 | 4 | 10.2 | 220 | 100 | 100 | 37.3 | 100 | 19.8 | 39.5 | 17.7 | 15.2 |
| NW3-150-HC+ | 57.9 | 147 | 34.3 | 87.1 | 96.0 | 244 | 4 | 10.2 | 330 | 150 | 150 | 55.9 | 150 | 22.9 | 45.8 | 20.4 | 17.7 |
| NW3-200-HC+ | 68.7 | 174 | 34.3 | 87.1 | 96.3 | 245 | 4 | 10.2 | 600 | 273 | 200 | 74.5 | 200 | 28.6 | na | 25.8 | 22.4 |
| NWB-300-HC+ | 73.4 | 186 | 51.6 | 131.1 | 106.3 | 270 | 4 | 10.2 | 800 | 364 | 300 | 111.8 | 300 | 48.0 | na | 43.8 | 37.9 |

* without receiver

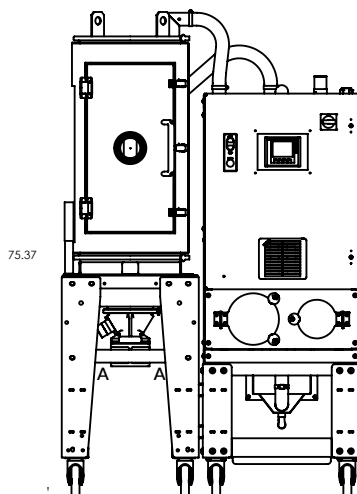
*Specify + after model number for 7-inch color screen. Delete + for 4-inch color screen through -200. ** Based on polycarbonate pellets @ 38 lb/ft³

***Casters or hopper extension are packed separately to avoid extra freight charges due to height.

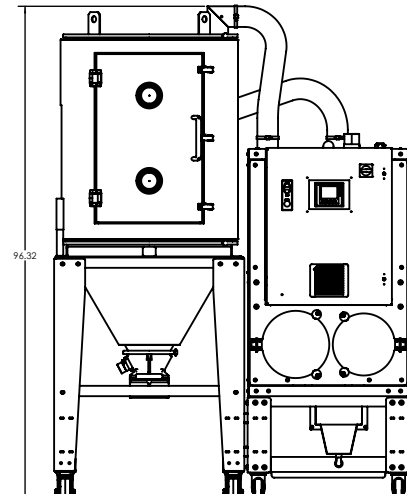
NOTE: Dimensions and throughput are the same for -HC and -HC+ models.



NW3-25-HC



NW3-50-HC



NW3-200-HC

OPTIONS

› Thermal+ For All Plus Models

Ensures that new heat-sensitive resins are dried properly.
See separate data sheet.

› Water Saver

Reduces energy usage by ensuring that no more cooling takes place in the external cooling coil than is required (Plus models).

› Alternate Voltages:

(in lieu of 460V/3ph/60Hz), 415/3/50 (no charge)
or 460/3/60-CUL, 575/3/60-CUL, 230/3/60.

ACCESSORIES

› Stainless Steel Hopper Extensions for -HC and -HC+

25 lb for -25, 70 lb for -50, 110 lb for -100,
200 lb with or without sight glasses for -200 and -300.

› External Process Air Cooling Coil on Stand or on Stand with Plasticizer Trap

(For -300 models only) Drying temperatures less than 170°F (77°C) require an external process air cooling coil. Please contact factory for options.