



NovaDrier ND3 Series Membrane Resin Dryer

The patented air flow design and proprietary membrane guarantees -40° dew point process air year round and uses 1/3 the compressed air of copycat models.

The NovaDrier, is the most popular desiccant-free small resin dryer on the market, with thousands sold, and proven to dry ALL thermoplastic resin. Conventional compressed air dryers can't match the drying performance of the membrane dryer because they never attain a -40° dew point and they use up to 3X as much compressed air as the NovaDrier. Now enhanced with a new PLC color touchscreen, Optional Dry / Convey Configurations, and DryerGenie-Ready for advanced AI-Drying.

-40° Dew Point Process Air – Year Round

The result is properly dried material... in every climate – all the time!

Energy Efficient

Uses 1/3 the compressed air compared to conventional compressed air dryers or add-on membrane models.

New, Easy-To-Use PLC Touchscreen

Featuring a new PLC-based control with a 7" color HMI touchscreen for easy, intuitive operation. Enhanced connectivity allows seamless interfacing with Novatec systems and many third-party platforms.

Dry/Convey Option

With Dry/Convey option the ND has everything necessary to take resin from a Gaylord and deliver the dried resin to the production machine.

Desiccant-Free Operation

Provides higher part quality because there are no dewpoint spikes or deviations and no desiccant dust to contaminate the resin. The membrane cannot be damaged from dust or volatiles that may be present.

No Moving Parts - Absolutely Minimal Maintenance

Changing 2 coalescing filter elements once per year is the only scheduled maintenance.

5-Year Warranty

For lowest cost of ownership.

High & Low Temperature Drying Without Water

There is never a need for cooling water, even for low temperature drying applications, increasing operational flexibility, reducing costs, and broadening application scope sustainably.



DryerGenie Ready

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



ND3-25 NovaDrier™



ND3-25 NovaDrier™
Showing new location of air filter.

Plus

- Desiccant-free drying for all thermoplastics for both low and high temperature drying applications.
- Compressed air automatically turns off when dryer is not in use.
- Constant -40° or lower dew point process air in less than 4 minutes
- Works with any source of compressed air... refrigerated or pre-dried air is not required
- Energy Saver standard on ND-100 through
- Standard process temperatures up to 350°F. (177°C)
- Stainless steel hopper standard through 150 lb (68 Kg) capacity
- Dew point meter
- Slide gate drain-port and slide-gate discharge on all hoppers
- PLC temperature controller
- Machine mount or stand mount models
- Insulated hopper on all models
- Over-temperature indicator
- Low air pressure indicator
- Return air pellet screen
- 5-Year warranty
- Optional Energy Saver available
- 7-Day Timer Standard

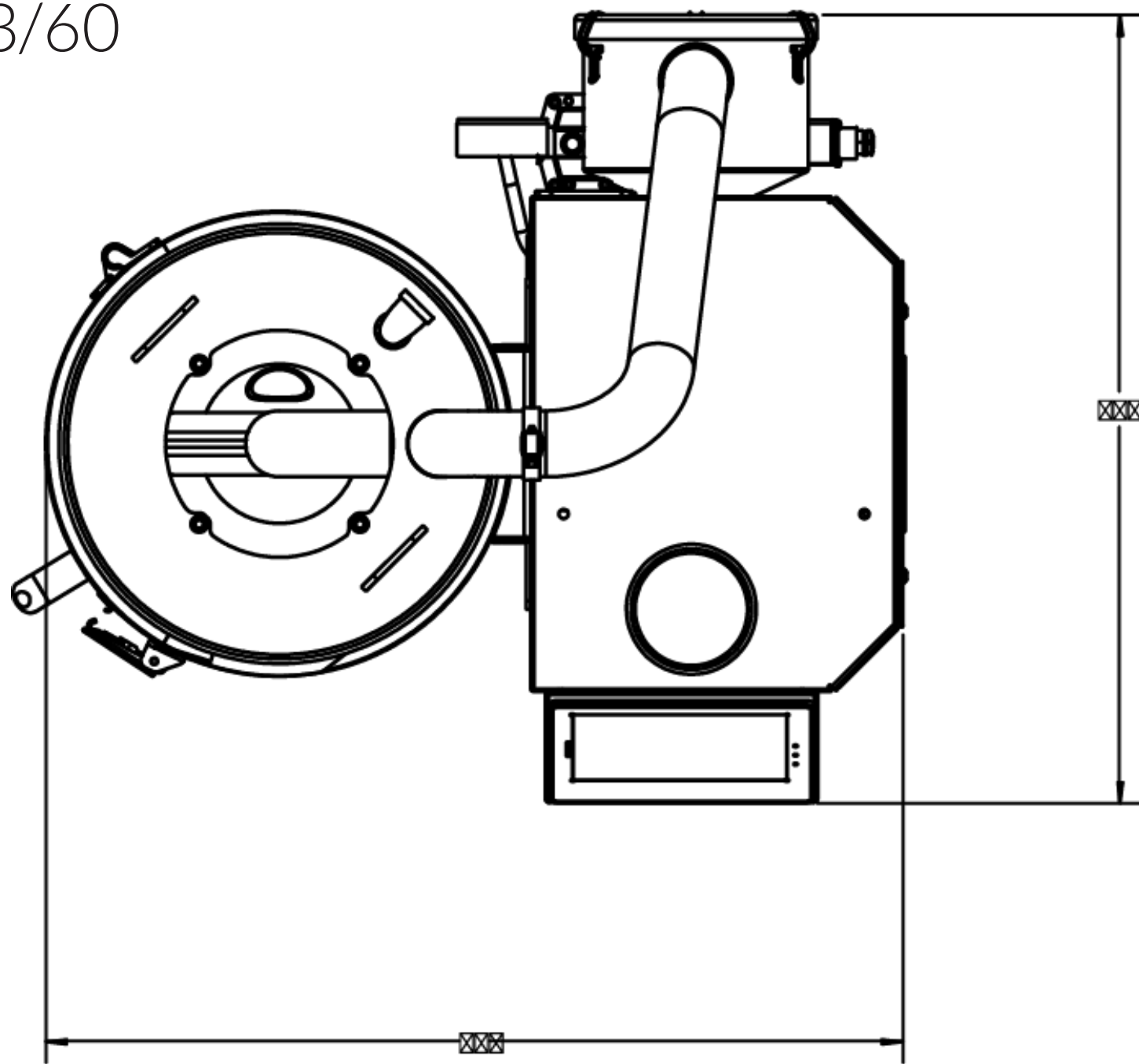
Specifications:

Model	††Throughput Capacity		Compressed Air Flow		Electric *Demand **Usage		H		W		D		†Shipping Weight		Hopper Volume		Hopper Capacity	
	lb/hr	Kg/hr	SCFM	NM ³ /hr	kW	kW	in	cm	in	cm	in	cm	lb	Kg	ft ³	liters	lb	Kg
ND3-7	7	3.2	2.6	4.4	15.6 ⁴	0.21	30.6	77.7	23.9	60.7	23.5	59.7	235	106.8	6.18	175.0	20	9.1
ND3-25	25	11.4	5.7	9.7	15.6 ⁴	0.68	44.8	113.8	23.9	60.7	25.8	65.5	324	147.3	8.53	241.3	60	27.3
ND3-50	50	22.7	11.9	20.2	7.7 ⁵	1.35	62.2	158.0	26.9	68.3	26.9	68.3	370	168.2	9.74	275.6	150	68.2
ND3-75	75	34.1	17.0	28.9	7.7 ⁵	2.20	56.0	142.2	26.9	68.3	26.9	68.3	520	236.4	13.68	387.3	220	100.0
ND3-100	100	45.5	24.8	42.2	13.3 ⁵	2.70	79.0	200.7	30.9	78.5	38.7	98.3	670	304.5	17.63	499.0	400	181.8

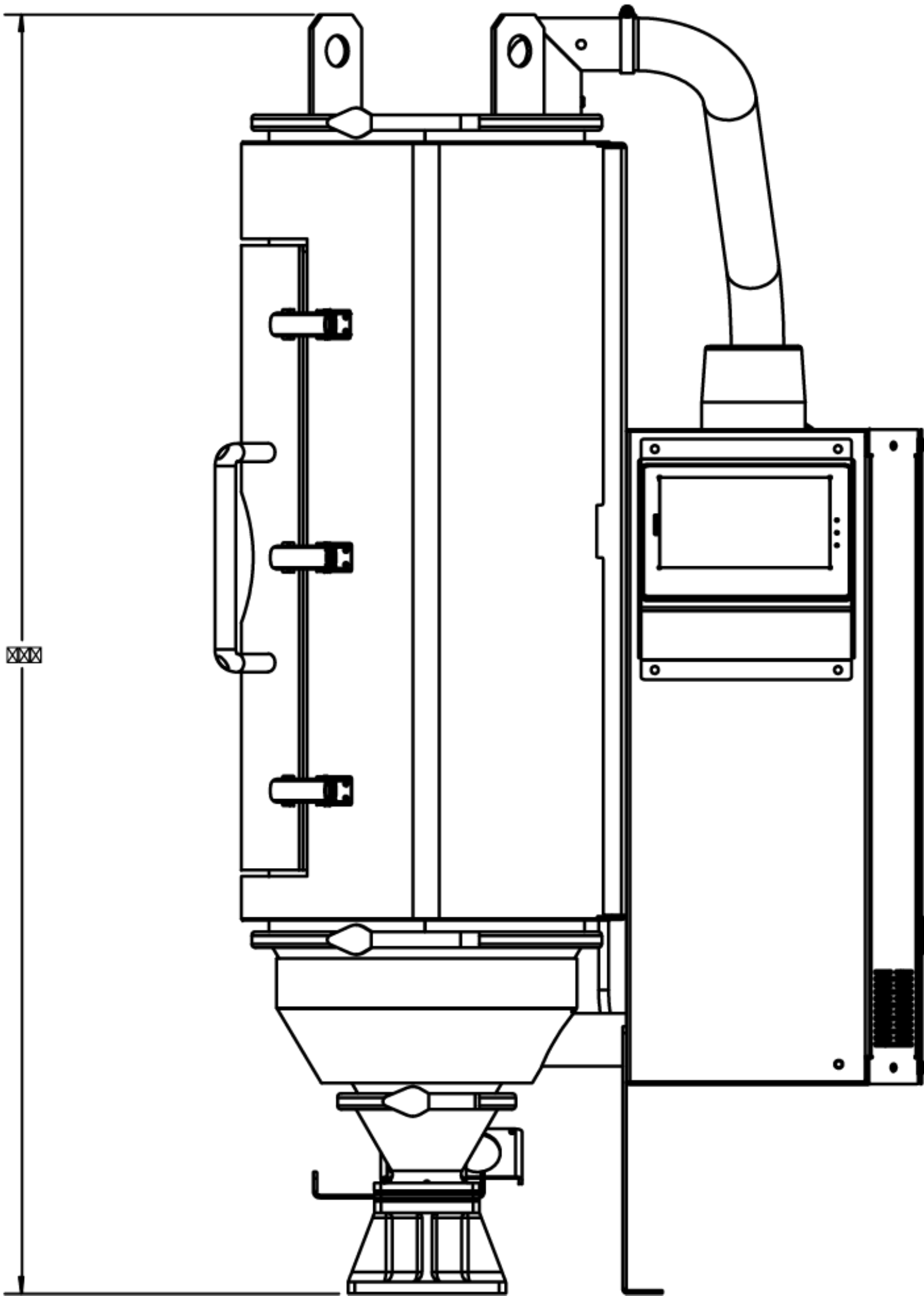
i: Based on ABS (180 F)

4: Based on 115/1/50-60

5: Based on 460/3/60



Bolt hole patterns:
4.75" sq. for ND3-7 through
ND3-75, 6" sq. for ND3-100
through ND3-200



Options:

7-Day Timer: Available on all models

Short Run Diffuser Tube: Available on ND3-25 through ND3-75

Stainless Steel Contact Surfaces
Inside Hopper: For ND3-100 through (Standard on ND3-25 through ND3-75)

Alternate Voltage:
220/1/50-60 for ND3-7 through ND3-75 (No Charge)
415//3/50 for ND3-25 through ND3-100 (No Charge)
575/1/60 for ND3-25 through ND3-100

Dry/Convey Packages:

Available as ND3-25-DC, ND3-50-DC, ND3-75-DC, ND3-100-DC.
VR-5 machine-mount vacuum receiver, regenerative blower, VL-12 Loader, line purge device, 1.5" probe, floor stand w/ 5" casters and LOGO! controls
Standard Voltage 460/3/60 (415/3/50 and 575/3/60 available as options)

Accessories:

Hopper Extension: For ND3-25 through ND3-100

Floor Stand: For ND3-25 through ND3-200

Casters, 5", set of 4

Vacuum Take-off Box or Vacuum Purge Valve:
Request information

Optional Stand facilitates unloading of resin