

PRODUCTION INFRARED DRYERS

ECONORed III SERIES



**15 YEAR
HEATER WARRANTY**



ER-III-30



ER-III-54

- Digital belt speed display for more accurate control
- Focused exhaust system to remove fumes/moisture within chamber
- Excellent air flow to cool the skin of the dryer
- Cures plastisol, water-based and discharge inks!



| | 30" Belt Version | | 54" Belt Version | |
|------------------------------------|----------------------------|-----------------------------|---------------------------|----------------------------|
| | ER-III-30 | ER-III-30-2 | ER-III-54 | ER-III-54-2 |
| Standard Wattage | 10,800w | 21,600w | 21,600w | 43,200w |
| Belt Width x Length | 30" x 8.75' (76.2 x 267cm) | 30" x 13.25' (76.2 x 404cm) | 54" x 8.75' (137 x 267cm) | 54" x 13.25' (137 x 404cm) |
| Heater Width*** | 24" (61cm) | 24" (61cm) | 48" (122cm) | 48" (122cm) |
| Chamber (tunnel) Length | 4.5' (137cm) | 9' (274cm) | 4.5' (137cm) | 9' (274cm) |
| Cure times: Plastisol @ 25 secs.** | 475+/hr | 950+/hr | 950+/hr | 1,900+/hr |
| Water Based/Discharge @ 70 secs.** | 150+/hr | 300+/hr | 300+/hr | 600+/hr |

Features

- HEAVY DUTY** "X-Series" Conveyor Belt Tracking System
- PRECISE** Infrared Focusing System provides more power for less \$\$
- ADJUSTABLE** 2" - 7" (5 - 17.7 cm) belt-to-heater height adjustment
- ACCURATE** Digital PID Temperature controller is accurate to +/-1° F
- CONSISTENT** Heavy duty DC belt speed motor with digital voltage display
- INNOVATIVE** Engineered to be shorter and smaller with high heat and production.
- EXPANDABLE** Add heat chambers and belt extensions. (HD Drive required over 17' long)

Options

- Add heat chambers @ 3' (.91m) long
- Belt extensions front or rear, 18" (46 cm) increments
- 3 Phase & 208, 380, 480 voltages available
- Exhaust Hood, provides extra fume extraction
- Hat support rail
- Locking casters for easy mobility
- Reversing belt / HD Drive

* Production speeds are estimates and will vary depending on ink manufacturer, humidity of shop, and other variables.
 ** Production speeds are estimates based on 16" centers and will vary depending on ink manufacturer, humidity of shop, and other variables.



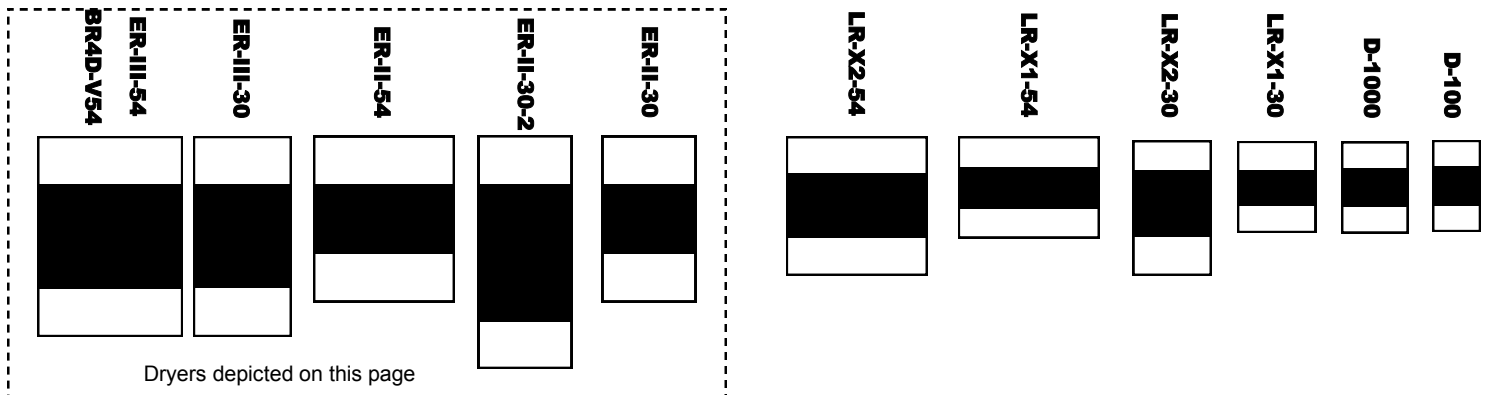
EconoRed & BigRed

Technical Specifications

| CE | ER-II-30 | ER-II-54 | ER-III-30 | ER-III-54 | BR4D-V30 | BR4D-V54 |
|---|---|--|---|--|--|---|
| Heater Warranty | 15 Year | 15 Year | 15 Year | 15 Year | 15 Year | 15 Year |
| Defect Warranty | 3 Year | 3 Year | 3 Year | 3 Year | 3 Year | 3 Year |
| Shirts / Hr* - (Plastisol) (Waterbased/Discharge) | 300+ @ 25 secs. 100+ @ 70 secs. | 600+ @ 25 secs. 200+ @ 70 secs. | 450+ @ 25 secs. 150+ @ 70 secs. | 900+ @ 25 secs. 300+ @ 70 secs. | 475+ @ 25 secs. 216+ @ 50 secs. | 950+ @ 25 secs. 432+ @ 50 secs. |
| Shirts/hr* - DTG/digital | N/A | N/A | N/A | N/A | 72 @ 2.5 min. 60 @ 3 min. 30 @ 6 min. | 144 @ 2.5 min. 120 @ 3 min. 60 @ 6 min. |
| Belt Speed | 1.8-23 FPM (0.5-7 MPM) | 1.8-23 FPM (0.5-7 MPM) | 1.8-23.6 FPM (0.6-7.2 MPM) | 1.8-23.6 FPM (0.6-7.2 MPM) | 1.8-23.6 FPM (0.6-7.2 MPM) | 1.8-23.6 FPM (0.6-7.2 MPM) |
| Exhaust (Free Air) | 380 CFM (10.7 CMM) | 380 CFM (10.7 CMM) | 380 CFM (10.7 CMM) | 550 CFM (15.6 CMM) | 500 CFM (14.2 CMM) | 700 CFM (19.8 CMM) |
| Exhaust Stack Diameter | 8" (20.32 cm) | 8" (20.32 cm) | 8" (20.32 cm) | 8" (20.32 cm) | 6" (15.24 cm) | 6" (15.24 cm) |
| Overall Length | 87" (221 cm) | 87" (221 cm) | 105" (267 cm) | 105" (267 cm) | 105" (267 cm) | 105" (267 cm) |
| Overall Width | 45.2" (114.8 cm) | 69.2" (175.8 cm) | 45.2" (114.8 cm) | 69.2" (175.8 cm) | 47.3" (120.2 cm) | 71.4" (181.4 cm) |
| Overall Height | 60.9" (154.7 cm) | 60.9" (154.7 cm) | 60.9" (154.7 cm) | 60.9" (154.7 cm) | 51.6" (131.1 cm) | 51.6" (131.1 cm) |
| Belt Width | 30" (76 cm) | 54" (137 cm) | 30" (76 cm) | 54" (137 cm) | 30" (76 cm) | 54" (137 cm) |
| Chamber Length | 36" (91 cm) | 36" (91 cm) | 54" (137cm) | 54" (137cm) | 54" (137cm) | 54" (137 cm) |
| Chamber Infeed Width | 34.5" (88 cm) | 58.5" (149 cm) | 34.5" (88 cm) | 58.5" (149 cm) | 34.5" (88 cm) | 58.5" (149 cm) |
| Chamber Infeed Height (adjustable) | 2" - 7" (5 - 17.7 cm) | 2" - 7" (5 - 17.7 cm) | 2" - 7" (5 - 17.7 cm) | 2" - 7" (5 - 17.7 cm) | 2" - 7" (5 - 17.7 cm) | 2" - 7" (5 - 17.7 cm) |
| Heat Range (@ Heater) | 0-900 F° (0-482 C°) @ 240V | 0-900 F° (0-482 C°) @ 240V | 0-900 F° (0-482 C°) @ 240V | 0-900 F° (0-482 C°) @ 240V | 0-900 F° (0-482 C°) @ 240V | 0-900 F° (0-482 C°) @ 240V |
| Heater Size & Standard Wattage | 12" x 24" (30 x 61 cm) 2 @ 3,600 = 7,200 Watts | 12" x 48" (30 x 122 cm) 2 @ 7,200 = 14,400 Watts | 12" x 24" (30 x 61 cm) 3 @ 3,600 = 10,800 Watts | 12" x 48" (30 x 122 cm) 3 @ 7,200 = 21,600 Watts | 4 @ 12" x 24" (30 x 61 cm) Zone 1 @ 3,600 Watts Zone 2 @ 7,800 Watts 11,400 Watts Total | 4 @ 12" x 48" (30 x 122 cm) Zone 1 @ 7,200 Watts Zone 2 @ 15,600, Watts 22,800 Watts Total |
| Cost / hour to operate based on 10 cents / kwh | 72 cents | \$1.44 | \$1.08 | \$2.16 | \$1.14 | \$2.28 |
| Electrical Specs** Chamber | 240V / 32A / 1 Ph. / 3 wire 50/60HZ | 240V / 64A / 1 Ph. / 3 wire 50/60HZ | 240V / 50A / 1 Ph. / 3 wire 50/60 HZ | 240V / 59A / 3Ph. / 4 wire / 50/60 HZ | 240V / 51A / 1 Ph. / 3 wire 50/60HZ | 240V / 58A / 3 Ph. / 4 wire 50/60HZ |
| Electrical Connection | All amps shown are FLA (Full Load Amps), not recommended line size! Dryers on this page must be hard wired to the power terminal provided. A licensed electrician must be consulted and should refer to articles, 210.20(a), 215.3 and 310 of the NEC code. | | | | | |
| Optional Chamber Power Also available in 380 / 440 / 480 | 240V / 19A / 3 Ph. / 4 wire / 50/60HZ | 240V / 37A / 3 Ph. / 4 wire / 50/60HZ | 240V / 29A / 3Ph. / 4 wire / 50/60 HZ | 240V / 40A / 3 Ph. / 4 wire / 50/60HZ | 240V / 40A / 3 Ph. / 4 wire 50/60HZ | 240V / 98A / 1 Ph. / 3 wire 50/60HZ |
| Shipping Weight** | 647 lbs (293 kg) | 988 lbs (448 kg) | 896 lbs (407 kg) | 1,018 lbs (462 kg) | 1,018 lbs (462 kg) | 1,438 lbs (653 kg) |
| Shipping Dimensions** | 54" x 43" x 60" (137 x 109 x 152 cm) | 78" x 49" x 60" (198 x 125 x 153 cm) | 61" x 60" x 64" (155 x 152 x 163 cm) | 72" x 61" x 63" (183 x 155 x 160 cm) | 72" x 61" x 63" (183 x 155 x 160 cm) | 92" x 65" x 63" (234 x 161 x 160 cm) |

1 in = 2.54 cm
1 lb = 0.454 kg

Dryer foot print comparison chart, shown to scale



* Production speeds are estimates are based on 16" centers and will vary depending on ink manufacturer, humidity of shop, and other variables.

**All shipping weights and dimensions are for continental US shipping only. Call for other shipping specifications. Ex-works from Bethlehem, PA.