

# 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!

**CE CERTIFIED**  
BY CERTIFICATION EXPERTS  
THE NETHERLANDS

**30" Belt Version  
ER-III-30**

10,800w

30" x 8.75' (76.2 x 267cm)

24" (61cm)

4.5' (137cm)

450+/hr

150+/hr

**54" Belt Version  
ER-III-54**

21,600w

54" x 8.75' (137 x 267cm)

48" (122cm)

4.5' (137cm)

900+/hr

300+/hr

Standard Wattage

Belt Width x Length

Heater Width\*\*\*

Chamber (tunnel) Length

Cure times: Plastisol @ 25 secs.\*\*

Water Based/Discharge @ 70 secs.\*\*

### 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
- UL and ULc Certified

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



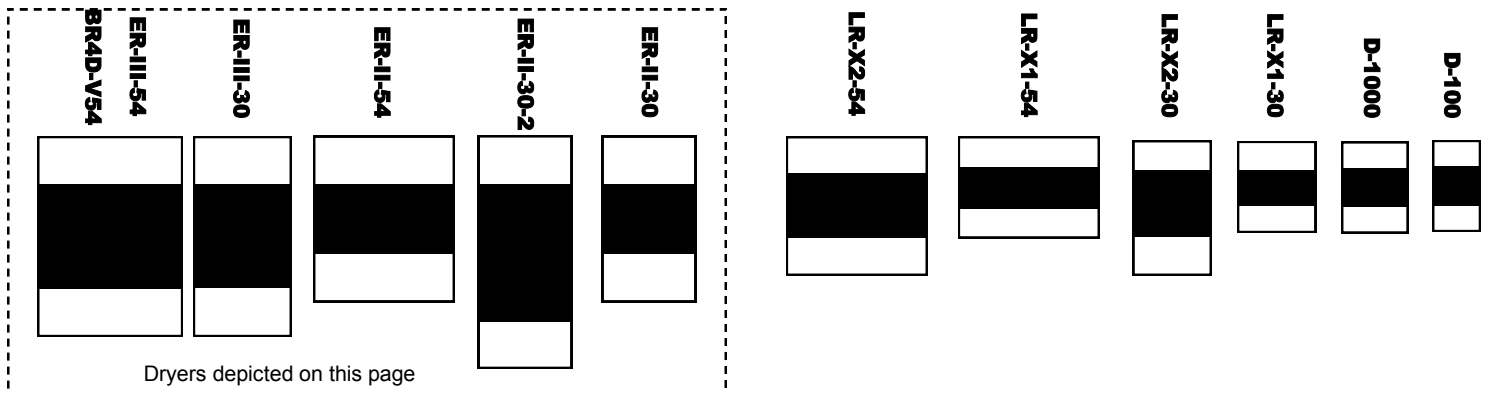
# EconoRed & BigRed

# Technical Specifications

|   | ER-II-30   | ER-II-54   | ER-III-30   | ER-III-54  | BR4D-V30   | BR4D-V54  |
|---|--|--|---|--|--|---|
| <b>CE</b>   |  |  |   |  |  |   |
| <b>Heater Warranty</b>  | 15 Year  | 15 Year  | 15 Year   | 15 Year  | 15 Year  | 15 Year   |
| <b>Defect Warranty</b>  | 3 Year   | 3 Year   | 3 Year  | 3 Year   | 3 Year   | 3 Year  |
| <b>Shirts / Hr* - (Plastisol)<br/>(Waterbased/Discharge)</b>        | 300+ @ 25 secs.<br>100+ @ 70 secs.   | 600+ @ 25 secs.<br>200+ @ 70 secs.                     | 450+ @ 25 secs.<br>150+ @ 70 secs.                    | 900+ @ 25 secs.<br>300+ @ 70 secs.                     | 475+ @ 25 secs.<br>216+ @ 50 secs.   | 950+ @ 25 secs.<br>432+ @ 50 secs.  |
| <b>Shirts/hr* - DTG/digital</b>                                     | N/A  | N/A  | N/A   | N/A  | 72 @ 2.5 min.<br>60 @ 3 min.<br>30 @ 6 min.  | 144 @ 2.5 min.<br>120 @ 3 min.<br>60 @ 6 min.   |
| <b>Belt Speed</b>   | 1.8-23 FPM<br>(0.5-7 MPM)  | 1.8-23 FPM<br>(0.5-7 MPM)                              | 1.8-23.6 FPM<br>(0.6-7.2 MPM)                         | 1.8-23.6 FPM<br>(0.6-7.2 MPM)                          | 1.8-23.6 FPM<br>(0.6-7.2 MPM)  | 1.8-23.6 FPM<br>(0.6-7.2 MPM)   |
| <b>Exhaust (Free Air)</b>   | 380 CFM<br>(10.7 CMM)  | 380 CFM<br>(10.7 CMM)                                  | 380 CFM<br>(10.7 CMM)                                 | 550 CFM<br>(15.6 CMM)                                  | 500 CFM<br>(14.2 CMM)  | 700 CFM<br>(19.8 CMM)   |
| <b>Exhaust Stack Diameter</b>                                       | 8" (20.32 cm)  | 8" (20.32 cm)  | 8" (20.32 cm)   | 8" (20.32 cm)  | 6" (15.24 cm)  | 8" (20.32 cm)   |
| <b>Overall Length</b>   | 87" (221 cm)   | 87" (221 cm)   | 105" (267 cm)   | 105" (267 cm)  | 105" (267 cm)  | 105" (267 cm)   |
| <b>Overall Width</b>  | 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)  |
| <b>Overall Height</b>   | 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)  |
| <b>Belt Width</b>   | 30" (76 cm)  | 54" (137 cm)   | 30" (76 cm)   | 54" (137 cm)   | 30" (76 cm)  | 54" (137 cm)  |
| <b>Chamber Length</b>   | 36" (91 cm)  | 36" (91 cm)  | 54" (137cm)   | 54" (137cm)  | 54" (137cm)  | 54" (137 cm)  |
| <b>Chamber Infeed Width</b>   | 34.5" (88 cm)  | 58.5" (149 cm)   | 34.5" (88 cm)   | 58.5" (149 cm)   | 34.5" (88 cm)  | 58.5" (149 cm)  |
| <b>Chamber Infeed Height<br/>(adjustable)</b>                       | 2" - 7"<br>(5 - 17.7 cm)   | 2" - 7"<br>(5 - 17.7 cm)                               | 2" - 7"<br>(5 - 17.7 cm)                              | 2" - 7"<br>(5 - 17.7 cm)                               | 2" - 7"<br>(5 - 17.7 cm)   | 2" - 7"<br>(5 - 17.7 cm)  |
| <b>Heat Range (@ Heater)</b>  | 0-900 F°<br>(0-482 C°) @ 240V  | 0-900 F°<br>(0-482 C°) @ 240V                          | 0-900 F°<br>(0-482 C°) @ 240V                         | 0-900 F°<br>(0-482 C°) @ 240V                          | 0-900F° (0-482C°) @ 240V<br>0-1150F° (621C°) - booster   | 0-900F° (0-482C°) @ 240V<br>0-1150F° (621C°) - booster  |
| <b>Heater Size &amp; Standard<br/>Wattage</b>                       | 12" x 24" (30 x 61 cm)<br>2 @ 3,600 =<br>7,200 Watts   | 12" x 48" (30 x 122 cm)<br>2 @ 7,200 =<br>14,400 Watts | 12" x 24" (30 x 61 cm)<br>3 @ 3,600 =<br>10,800 Watts | 12" x 48" (30 x 122 cm)<br>3 @ 7,200 =<br>21,600 Watts | 4 @ 12" x 24" (30 x 61 cm)<br>Zone 1 @ 3,600 Watts<br>Zone 2 @ 7,800 Watts<br>11,400 Watts Total | 4 @ 12" x 48" (30 x 122 cm)<br>Zone 1 @ 7,200 Watts<br>Zone 2 @ 15,600, Watts<br>22,800 Watts Total |
| <b>Cost / hour to operate<br/>based on 10 cents / kwh</b>           | 72 cents   | \$1.44   | \$1.08  | \$2.16   | \$1.14   | \$2.28  |
| <b>Electrical Specs**<br/>Chamber</b>                               | 240V / 32A / 1 Ph. /<br>3 wire 50/60HZ   | 240V / 64A / 1 Ph. /<br>3 wire 50/60HZ                 | 240V / 50A / 1 Ph. /<br>3 wire 50/60 HZ               | 240V / 97A /1Ph. /<br>4 wire / 50/60 HZ                | 240V / 51A / 1 Ph. /<br>3 wire 50/60HZ   | 240V / 58A / 3 Ph. /<br>4 wire 50/60HZ  |
| <b>Electrical Connection</b>  | <b>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.</b> |  |   |  |  |   |
| <b>Optional Chamber Power<br/>Also available in 380 / 440 / 480</b> | 240V / 19A / 3 Ph. /<br>4 wire / 50/60HZ   | 240V / 37A / 3 Ph. /<br>4 wire / 50/60HZ               | 240V / 29A / 3Ph. /<br>4 wire / 50/60 HZ              | 240V / 55A / 3 Ph. /<br>4 wire / 50/60HZ               | 240V / 32A / 3 Ph. /<br>4 wire 50/60HZ   | 240V / 98A / 1 Ph. /<br>3 wire 50/60HZ  |
| <b>Shipping Weight**</b>  | 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)  |
| <b>Shipping Dimensions**</b>  | 54" x 43" x 60"<br>(137 x 109 x 152 cm)  | 78" x 49" x 60"<br>(198 x 125 x 153 cm)                | 61" x 60" x 64"<br>(155 x 152 x 163 cm)               | 72" x 61" x 63"<br>(183 x 155 x 160 cm)                | 72" x 61" x 63"<br>(183 x 155 x 160 cm)  | 92" x 65" x 63"<br>(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.