

# PRODUCTION INFRARED DRYERS

## ECONORed III SERIES

**15 YEAR  
HEATER WARRANTY**



- 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

Standard Wattage

Belt Width x Length

Heater Width\*\*\*

Chamber (tunnel) Length

30" Belt Version

**ER-III-30**

10,800w

30" x 8.75' (76.2 x 267cm)

24" (61cm)

4.5' (137cm)

54" Belt Version

**ER-III-54**

21,600w

54" x 8.75' (137 x 267cm)

48" (122cm)

4.5' (137cm)

78" Belt Version

**ER-III-78**

23,400w

78" x 8.75' (198 x 267cm)

72" (183cm)

4.5' (137cm)

### CURE TIMES

1 Row

2 Rows

3 Rows

Plastisol @ 25 secs.\*\*

450+/hr

900+/hr

1,350+/hr

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

150+/hr

300+/hr

450+/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) or 4.5' (1.37m) 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
- HD Drive (standard on 78")



ER-III\_1122

# EconoRed II & III

# Technical Specifications

CE	ER-II-30	ER-II-54	ER-III-30	ER-III-54	ER-III-78
Heater Warranty	15 Year	15 Year	15 Year	15 Year	15 Year
Defect Warranty	3 Year	3 Year	3 Year	3 Year	3 Year
Shirts / Hr* Plastisol @ 25 secs	300+	2 Rows - 600+	450+	2 Rows - 900+	3 Rows - 1,350+
Shirts / Hr* - Waterbased/ Discharge	100+ @ 70 secs.	2 Rows - 200+ @ 70 secs.	150+ @ 70 secs.	2 Rows - 300+ @ 70 secs.	3 Rows - 450+ @ 70 secs.
Shirts/hr* - DTG/digital	N/A	N/A	N/A	N/A	N/A
Time in Tunnel Range (mm:ss)	00:11 - 01:39	00:11 - 01:39	00:17 - 02:29	00:17 - 02:29	00:17 - 02:29
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)
Exhaust (Free Air)	380 CFM (10.7 CMM)	380 CFM (10.7 CMM)	380 CFM (10.7 CMM)	550 CFM (15.6 CMM)	700 CFM (19.9 CMM)
Exhaust Stack Diameter	8" (20.32 cm)	8" (20.32 cm)	8" (20.32 cm)	8" (20.32 cm)	8" (20.32 cm)
Overall Length	87" (221 cm)	87" (221 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)	93.2" (236.7 cm)
Overall Height	60.9" (154.7 cm)	60.9" (154.7 cm)	60.9" (154.7 cm)	60.9" (154.7 cm)	60.9" (154.7 cm)
Belt Width	30" (76 cm)	54" (137 cm)	30" (76 cm)	54" (137 cm)	78" (404 cm)
Chamber Length	36" (91 cm)	36" (91 cm)	54" (137cm)	54" (137cm)	54" (137cm)
Chamber Infeed Width	34.5" (88 cm)	58.5" (149 cm)	34.5" (88 cm)	58.5" (149 cm)	82.5" (209cm)
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)
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
Heater Size & Standard Wattage	12" x 24" (30 x 61 cm) 2 @ 3,600 = 7,200 Watts @ 240V  12" x 24" (30 x 61 cm) 2 @ 3,000 = 6,000 Watts @ 380V & 480V	12" x 48" (30 x 122 cm) 2 @ 7,200 = 14,400 Watts @ 240V  2 @ 6,000 = 12,000 Watts @ 380V & 480V	12" x 24" (30 x 61 cm) 3 @ 3,600 = 10,800 Watts @ 240V  12" x 24" (30 x 61 cm) 3 @ 3,000 = 9,000 Watts @ 380V & 480V	12" x 48" (30 x 122 cm) 3 @ 7,200 = 21,600 Watts @ 240V  3 @ 6,000 = 18,000 Watts @ 380V & 480V	12" x 72" (30 x 183 cm) 3 @ 7,800 = 23,400 Watts @ 240V, 380V, & 480V
Cost / hour to operate based on 10 cents / kwh	72 cents @ 240V 60 cents @ 380V & 480V	\$1.44 @ 240V \$1.20 @ 380V & 480V	\$1.08 @ 240V 90 cents @ 380V & 480V	\$2.16 @ 240V \$1.80 cents @ 380V & 480V	\$2.34 @ 240V, 380V, & 480V
Electrical Specs**	All amps listed below are +/- 10%				
240V, 1 Phase 3 wire 50/60 HZ	FLA = 32A	FLA = 64A	FLA = 50A	FLA = 97A	FLA = 100A
240V, 3 Phase 4 wire 50/60 HZ	FLA = 19A	FLA = 37A	FLA = 29A	FLA = 55A	FLA = 60A
400V, 3 Phase 5 wire 50/60 HZ	FLA = 12A	FLA = 21A	FLA = 16A	FLA = 30A	FLA = 36A
480V, 3 Phase 4 wire 50/60 HZ	N/A	FLA = 20A	N/A	FLA = 29A	FLA = 32A
Electrical Connection	All amps shown are <b>FLA (Full Load Amps)</b> , 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.				
Shipping Weight**	665 lbs (302 kg)	1,130 lbs (513 kg)	900 lbs (409 kg)	1,375 lbs (624 kg)	Call for details
Shipping Dimensions**	61" x 43" x 65" (155 x 110 x 166 cm)	78" x 49" x 65" (199 x 125 x 166 cm)	61" x 61" x 65" (155 x 155 x 166 cm)	93" x 65" x 65" (237 x 166 x 166 cm)	Call for details

1 in = 2.54 cm  
1 lb = 0.454 kg

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

\*\* Alternate wattages and voltage may be available by special request. (208V)

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