

# PRODUCTION INFRARED DRYERS

## ECONORed II 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

	30" Belt Version		54" Belt Version	
	EC-II-30	EC-II-30-2	EC-II-54	EC-II-54-2
Standard Wattage	7,200w	14,400w	14,400w	28,800w
Belt Width x Length	30" x 7¼' (76.2 x 220cm)	30" x 10¼' (76.2 x 312cm)	54" x 7¼' (137 x 220cm)	54" x 10¼' (137 x 312cm)
Heater Width***	24" (61cm)	24" (61cm)	48" (122cm)	48" (122cm)
Chamber (tunnel) Length	3' (91.4cm)	6' (183cm)	3' (91.4cm)	6' (183cm)
Cure times: Plastisol**	300+/hr	600+/hr	600+/hr	1,200+/hr
Water Based/Discharge**	100+/hr	200+/hr	200+/hr	400+/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.  
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 \*\*\* Recommended maximum image width = heater width minus 4" (10cm).



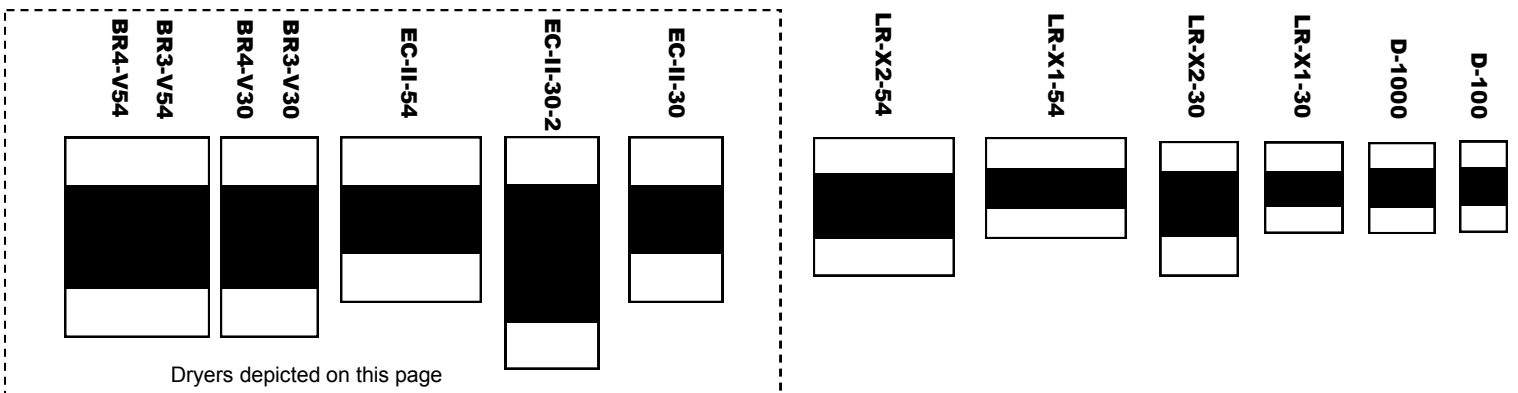
# EC-I, EC-II, & BigRed

# Technical Specifications

CE	EC-II-30	EC-II-30-2	EC-II-54	BR3-V30	BR4-V30	BR3-V54	BR4-V54
Heater Warranty	15 Year	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	3 Year
Shirts / Hr / Chamber (Plastisol) (Waterbased/Discharge)	300+ 100+	600+ 200+	600+ 200+	475+ 175+	475+ 200+	950+ 350+	950+ 400+
Belt Speed	0-16 FPM (0-4.9 MPM)	0-16 FPM (0-4.9 MPM)	0-16 FPM (0-4.9 MPM)	0-16 FPM (0-4.9 MPM)	1-10.5 FPM (0-3.2 MPM)	0-16 FPM (0-4.9 MPM)	1-10.5 FPM (0-3.2 MPM)
Exhaust (Free Air) (Optional on DB-30)	380 CFM (10.7 CMM)	760 CFM (21.5 CMM)	380 CFM (10.7 CMM)	450 CFM (12.7 CMM)	450 CFM (12.7 CMM)	550 CFM (15.6 CMM)	550 CFM (15.6 CMM)
Exhaust Stack Diameter	4" (10.16 cm)	2@ 4" (10.16 cm)	4" (10.16 cm)	6" (15.24 cm)	6" (15.24 cm)	6" (15.24 cm)	6" (15.24 cm)
Overall Length	87" (221 cm)	123" (312 cm)	87" (221 cm)	105" (267 cm)	105" (267 cm)	105" (267 cm)	105" (267 cm)
Overall Width	49" (124 cm)	49" (124 cm)	73.5" (187 cm)	51.2" (130 cm)	51.2" (130 cm)	75.7" (192 cm)	75.7" (192 cm)
Overall Height	53" (135 cm)	53" (135 cm)	53" (135 cm)	57.3" (145.5 cm)	57.3" (145.5 cm)	57.3" (145.5 cm)	57.3" (145.5 cm)
Belt Width	30" (76 cm)	30" (76 cm)	54" (137 cm)	30" (76 cm)	30" (76 cm)	54" (137 cm)	54" (137 cm)
Chamber Length	36" (91 cm)	72" (182 cm)	36" (91 cm)	54" (137 cm)	54" (137 cm)	54" (137 cm)	54" (137 cm)
Chamber Infeed Width	34.5" (88 cm)	34.5" (88 cm)	58.5" (149 cm)	34.5" (88 cm)	34.5" (88 cm)	58.5" (149 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)	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	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 24" (30 x 61 cm) 4 @ 3,600 = 14,400 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 24" (30 x 61 cm) 4 @ 3,600 = 14,400 Watts	12" x 48" (30 x 122 cm) 3 @ 7,200 = 21,600 Watts	12" x 48" (30 x 122 cm) 4 @ 7,200 = 28,800 Watts
Cost / hour to operate based on 10 cents / kwh	72 cents	\$1.44	\$1.44	\$1.08	\$1.44	\$2.16	\$2.88
Electrical Specs** Chamber	240V / 32A / 1 Ph. / 3 wire 50/60HZ	240V / 64A / 1 Ph. / 3 wire 50/60HZ	240V / 64A / 1 Ph. / 3 wire 50/60HZ	240V / 50A / 1 Ph. / 3 wire 50/60 HZ	240V / 67A / 1 Ph. / 3 wire 50/60HZ	240V / 59A / 3Ph. / 4 wire / 50/60 HZ	240V / 76A / 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/ 37A / 3 Ph. / 4 wire / 50/60HZ	240V / 29A / 3Ph. / 4 wire / 50/60 HZ	240V / 40A / 3 Ph. / 4 wire 50/60HZ	240V / 97A / 1 Ph. / 3 wire 50/60HZ	—
Scrub Air Option	—	—	—	—	—	—	—
Shipping Weight*	647 lbs (293 kg)	2@ 586 lbs (266 kg)	988 lbs (448 kg)	896 lbs (407 kg)	975 lbs (442 kg)	1478 lbs (670 kg)	1399 lbs (635 kg)
Shipping Dimensions*	54" x 43" x 60" (137 x 109 x 152 cm)	2@ 54" x 43" x 60" (137 x 109 x 152)	78" x 49" x 60" (198 x 125 x 153 cm)	61" x 60" x 64" (155 x 152 x 163 cm)	61" x 60" x 64" (155 x 152 x 163 cm)	81" x 65" x 64" (206 x 165 x 163 cm)	81" x 65" x 64" (206 x 165 x 163 cm)

1 in = 2.54 cm  
1 lb = 0.454 kg

Dryer foot print comparison chart, shown to scale



EC BR Specs\_0317

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