

# PRODUCTION INFRARED DRYERS

## ECONORed VI SERIES

**15 YEAR  
HEATER WARRANTY**



**ER-VI-54**  
(Shown w/ 18" infeed extension)

- 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, discharge, and DTF adhesive!

**CE CERTIFIED**  
BY CERTIFICATION EXPERTS  
THE NETHERLANDS

	<b>30" Belt Version ER-VI-30</b>	<b>54" Belt Version ER-VI-54</b>	<b>78" Belt Version ER-VI-78</b>
<b>Standard Wattage</b>	15,600w	31,200w	46,800w
<b>Belt Width x Length</b>	30" x 13¼' (76.2 x 404cm)	54" x 13¼' (137 x 404cm)	78" x 13¼' (198 x 404cm)
<b>Heater Width*</b>	24" (61cm)	48" (122cm)	72" (183cm)
<b>Chamber (tunnel) Length</b>	9' (275cm)	9' (275cm)	9' (275cm)
	<b>CURE TIMES</b>		
	<b>1 Row</b>	<b>2 Rows</b>	<b>3 Rows</b>
<b>Plastisol @ 25 secs.**</b>	900+/hr	1,800+/hr	2,700+/hr
<b>Water Based/Discharge @ 70 secs.**</b>	300+/hr	600+/hr	900+/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
- 3 Phase & 208, 380, 480 voltages available
- Exhaust Hood, provides extra fume extraction
- Hat support rail
- Locking casters for easy mobility

\* Recommended maximum image width = heater width minus 6" (15cm).

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



ER-VI\_0822

# EconoRed & BigRed

# Technical Specifications



	ER-VI-30	ER-VI-54	ER-VI-78	BR4D-V30S	BR4D-V54S
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	900+	2 Rows - 1,800+	3 Rows - 2,700+	475+	3 Rows - 1,425+ 2 Rows - 950+
Shirts / Hr* - Waterbased/ Discharge	300+ @ 70 secs.	2 Rows - 600+ @ 70 secs.	3 Rows - 900+ @ 70 secs.	216+ @ 50 secs.	3 Rows - 648+ @ 50 secs. 2 Rows - 432+ @ 50 secs.
Shirts/hr* - DTG/digital	N/A	N/A	N/A	60 @ 3 min. 24 @ 8 min.	3 Rows - 180 @ 3 min, 72 @ 8 min. 2 Rows - 120 @ 3 min, 48 @ 8 min.
Time in Tunnel Range (mm:ss)	00:15 - 03:00	00:15 - 03:00	00:15 - 03:00	00:12 - 01:45	00:12 - 01:45
Belt Speed	3 - 36 FPM (0.9 - 11 MPM)	3 - 36 FPM (0.9 - 11 MPM)	3 - 36 FPM (0.9 - 11 MPM)	1.8 - 23.6 FPM (0.6 - 7.2 MPM)	1.8 - 23.6 FPM (0.6 - 7.2 MPM)
Exhaust (Free Air)	2 @ 380 CFM (10.7 CMM)	2 @ 550 CFM (15.6 CMM)	2 @ 700 CFM (19.8 CMM)	500 CFM (14.2 CMM)	700 CFM (19.8 CMM)
Exhaust Stack Diameter	2 @ 8" (20.32 cm)	2 @ 8" (20.32 cm)	2 @ 8" (20.32 cm)	6" (15.24 cm)	8" (20.32 cm)
Overall Length	159" (404 cm)	159" (404 cm)	159" (404 cm)	105" (267 cm)	105" (267 cm)
Overall Width	45.2" (114.8 cm)	69.2" (175.8 cm)	93.2" (236.7 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)	51.6" (131.1 cm)	51.6" (131.1 cm)
Belt Width	30" (76 cm)	54" (137 cm)	78" (404 cm)	30" (76 cm)	54" (137 cm)
Chamber Length	108" (275cm)	108" (275cm)	108" (275cm)	54" (137cm)	54" (137 cm)
Chamber Infeed Width	34.5" (88 cm)	58.5" (149 cm)	82.5" (209cm)	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)	4.5" - 7" (11.5 - 17.7 cm)	4.5" - 7" (11.5 - 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	0-900F° (0-482C°) @ 240V 0-1150F° (621C°) - booster	0-900F° (0-482C°) @ 240V 0-1150F° (621C°) - booster
Heater Size & Standard Wattage**	12" x 24" (30 x 61 cm) 6 @ 2,600 = 15,600 Watts @ 240V	12" x 48" (30 x 122 cm) 6 @ 5,200 = 31,200 Watts @ 240V	12" x 72" (30 x 183 cm) 6 @ 7,800 = 46,800 Watts @ 240V	4 @ 12" x 24" (30 x 61 cm) Zone 1 @ 3,600 Watts Zone 2 @ 7,800 Watts Side Heaters 2 @ 3" x 47" (7.6 x 120 cm) 1,400 watts per side  14,200 Watts Total	4 @ 12" x 48" (30 x 122 cm) Zone 1 @ 7,200 Watts Zone 2 @ 15,600, Watts Side Heaters 2 @ 3" x 47" (7.6 x 120 cm) 1,400 watts per side  25,600 Watts Total
Cost / hour to operate based on 10 cents / kwh	\$1.56 @ 240V	\$3.12 @ 240V	\$4.68 @ 240V	\$1.42 @ 240V	\$2.56 @ 240V
Electrical Specs** (+/- 10%)	240V, 1 Phase	N/A	N/A	240V / 63A / 1 Ph. / 3 wire 50/60HZ	240V / 110A / 1 Ph. / 3 wire 50/60HZ
	240V, 3 Phase	240V / 78A / 3 Ph. / 4 wire 50/60 HZ	240V / 117A / 3 Ph. / 4 wire 50/60 HZ	240V / 44A / 3 Ph. / 4 wire 50/60HZ	240V / 70A / 3 Ph. / 4 wire 50/60HZ
	400V, 3 Phase	380V / 50A / 3 Ph. / 5 wire 50/60 HZ	380V / 76A / 3 Ph. / 5 wire 50/60 HZ	380V / 22A / 3 Ph. / 5 wire / 50/60HZ	380V / 49A / 3 Ph. / 5 wire / 50/60HZ
	480V, 3 Phase	480V / 41A / 3 Ph. / 4 wire 50/60 HZ	480V / 61A / 3 Ph. / 4 wire 50/60 HZ	480V / 28A / 3 Ph. / 4 wire 50/60 HZ	480V / 42A / 3 Ph. / 4 wire 50/60 HZ
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.				
Shipping Weight***	1 @ 900 lbs (409 kg) 1 @ 755 lbs (343 kg)	1 @ 1,375 lbs (624 kg) 1 @ 1,325 lbs (601 kg)	Call for details	1,018 lbs (462 kg)	1,438 lbs (653 kg)
Shipping Dimensions***	2 @ 61" x 43" x 65" (155 x 110 x 166 cm)	2 @ 93" x 65" x 65" (237 x 166 x 166 cm)	Call for details	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

\* 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.