

GAS DRYER MODELS: Features & Specs



GAS DRYER MODELS	BG-4820	BG-6020	BG-7220
product item number	50144	50145	50146
Features/Specs.			
Overall Length	20 feet (609 cm)	20 feet (609 cm)	20 feet (609 cm)
Heated Oven Length	11 feet (335 cm)	11 feet (335 cm)	11 feet (335 cm)
Conveyor Infeed	4 feet (122 cm)	4 feet (122 cm)	4 feet (122 cm)
Conveyor Delivery	3 feet (91 cm)	3 feet (91 cm)	3 feet (91 cm)
Fume Hoods – each end	1 foot (30.5 cm)	1 foot (30.5 cm)	1 foot (30.5 cm)
Frame Width	60 Inches (152 cm)	72 Inches (183 cm)	84 Inches (213 cm)
Overall Width (control box and air plenum box installed)	89 Inches (226 cm)	101 Inches (256 cm)	113 Inches (287 cm)
Height (floor to top of exhaust)	83-1/2 Inches (212cm)	83-1/2 Inches (212 cm)	83-1/2 Inches (212 cm)
Belt Height from floor	34 inches (86 cm)	34 inches (86 cm)	34 inches (86 cm)
Belt Width	48 Inches (122 cm)	60 Inches (152 cm)	72 Inches (183 cm)
Belt Type	TCF (Teflon coated Fiberglass)	TCF (Teflon coated Fiberglass)	TCF (Teflon coated Fiberglass)
Belt Speed	0 - 17 FPM (0 - 5 m/min)	0 - 17 FPM (0 - 5 m/min)	0 - 17 FPM (0 - 5 m/min)
Belt Speed Control	Analog Knob 0-10	Analog Knob 0-10	Analog Knob 0-10
Temperature Control	West 6100 Digital (with Hi/Low temp alarm)	West 6100 Digital (with Hi/Low temp alarm)	West 6100 Digital (with Hi/Low temp alarm)
Oven temperature accuracy	+/- 5°F (2°C) of set point	+/- 5°F (2°C) of set point	+/- 5°F (2°C) of set point
Maximum Oven Temperature	400F	400F	400F
Minimum Oven Temperature	250F	250F	250F
BTU Input Minimum	100,000 BTU	100,000 BTU	100,000 BTU
BTU Input Maximum	300,000 BTU	300,000 BTU	300,000 BTU
Exhaust Airflow	1,300 CFM – 14" duct (36,400 l/min – 35 cm duct)	1,300 CFM – 14" duct (36,400 l/min – 35 cm duct)	1,300 CFM – 14" duct (36,400 l/min – 35 cm duct)
Exhaust Motor	½ H.P. direct drive	½ H.P. direct drive	½ H.P. direct drive
Recirculating Airflow	2,600 CFM Fixed	2,600 CFM Fixed	2,600 CFM Fixed
Recirculating Air Motors	Two 1 H.P. direct drive AC 3-phase motors	Two 1 H.P. direct drive AC 3-phase motors	Two 1 H.P. direct drive AC 3-phase motors
Air Filters	Fume Hood (4) Combustion Air (1) Recirculation Air (2)	Fume Hood (4) Combustion Air (1) Recirculation Air (2)	Fume Hood (4) Combustion Air (1) Recirculation Air (2)
Minimum Distances to other surfaces for installation (suitable for use on Non-Combustible flooring only)			
Back	18 inches (46 cm)	18 inches (46 cm)	18 inches (46 cm)
Ends	40 inches (102 cm)	40 inches (102 cm)	40 inches (102 cm)
Front	48 inches (122 cm)	48 inches (122 cm)	48 inches (122 cm)
Flue to surface	18 inches (46 cm)	18 inches (46 cm)	18 inches (46 cm)
Indicator Lamps	Interlocks Proven Purging Burner On	Interlocks Proven Purging Burner On	Interlocks Proven Purging Burner On
Interlocks	Emergency Stop High Gas Pressure Low Gas Pressure Exhaust Purge Proving Recirculation Proving (2) Combustion Air Proving High Temp Limit	Emergency Stop High Gas Pressure Low Gas Pressure Exhaust Purge Proving Recirculation Proving (2) Combustion Air Proving High Temp Limit	Emergency Stop High Gas Pressure Low Gas Pressure Exhaust Purge Proving Recirculation Proving (2) Combustion Air Proving High Temp Limit
Flameguard (flame proving)	Eclipse flame pack	Eclipse flame pack	Eclipse flame pack
Safety Standards	Built to UL-795	Built to UL-795	Built to UL-795
Electrical Requirements	220V, 3-Ph, 10 Amps	220V, 3-Ph, 10 Amps	220V, 3-Ph, 10 Amps
Hz	60 Hz	60 Hz	60 Hz
Minimum Circuit Amps	20 Amps	20 Amps	20 Amps
Maximum Fuse Size	20 Amps	20 Amps	20 Amps
Gas Type Requirements	Natural Gas	Natural Gas	Natural Gas
Gas Pressure Requirements	1.0-5.0 PSI (0.1-0.3 bar)	1.0-5.0 PSI (0.1-0.3 bar)	1.0-5.0 PSI (0.1-0.3 bar)
Gas Service Inlet	¾" NPT	¾" NPT	¾" NPT
Gas Pressure Propane (Units made for Propane Gas available on special order)	0.5 – 3.0 PSI (0.05 – 0.22 bar)	0.5 – 3.0 PSI (0.05 – 0.22 bar)	0.5 – 3.0 PSI (0.05 – 0.22 bar)
Per Hour Consumption estimate (at 175C / 350F)			
Electric	2.5kW	2.5kW	2.5kW
Natural Gas	0.12 MCF/H	0.13 MCF/H	0.15 MCF/H
Propane	.052 MCF/H	.056 MCF/H	.065 MCF/H
in US\$ (electric @ \$.10/kWh; gas @ \$.650/MCF)	1.03	1.15	1.28
(prints of 38 x 38cm occupying belt space of about 50 x 50cm, for 90 seconds and 60 seconds curing time - IN UNITS)	653 - 980	816 - 1225	980 - 1470
Shipping Weight (in kg and lbs)			
Shipping size (L x W x H in cm)			
Shipping size (L x W x H in inches)	uses dedicated 20' container	uses dedicated 40' container	special truckload only
Note: Continuous improvements require that specifications may be subject to change without notice.			