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## DAKA WOOD BURNING FURNACE MODEL COMPARISONS

	521FB	621	622FBT	832FB
I. PERFORMANCE / OVERVIEW				
UL Approval	Tested & listed by Intertek Testing Services/Warnock Hersey to UL Standard 391-2010	Tested & listed by Intertek Testing Services/Warnock Hersey to UL Standard 391-2010	Tested & listed by Intertek Testing Services/Warnock Hersey to UL Standard 391-2010	Tested & listed by Intertek Testing Services/Warnock Hersey to UL Standard 391-2010
Unit Weight	432 lb.	517 lb.	525 lb.	585 lb.
Warm Air Outlets	Two (2) 8" round outlets on top of unit	Two (2) 8" round outlets on top of unit	Two (2) 8" round outlets on top of unit	Two (2) 8" round outlets on top of unit
Smoke Outlets	One (1) 6" round outlet on back of unit	One (1) 6" round outlet on back of unit	One (1) 6" round outlet on back of unit	One (1) 6" round outlet on back of unit
BTU Output	42,000 to 105,000 MAX	62,500 to 125,000 MAX	62,500 to 125,000 MAX	220,000 MAX
Average Burn Time	Low Setting: 8+ hours High Setting: 4 hours	Low Setting: 8+ hours High Setting: 4 hours	Low Setting: 8+ hours High Setting: 4 hours	Low Setting: 8+ hours High Setting: 4 hours
Log Length	22"	25"	25"	33"
Filter Box	Single blower cold air filter box included	Not included (with FB model only)	Dual blower cold air filter box included	Large single blower cold air filter box included
II. BLOWERS				
Quantity	One (1)	One (1)	Two (2)	One (1)
Size	550-cfm	550-cfm	550-cfm	1200-1600cfm (multi-speed)
HP	1/10	1/10	1/10 (ea)	1/3
RPM	1,320	1,320	1,320 (ea)	Variable
Amps	1.85	1.85	1.85 (ea) / 3.70 (total)	Variable
Bearings	Ball bearings, permanently lubricated*	Ball bearings, permanently lubricated*	Ball bearings, permanently lubricated*	Ball bearings, permanently lubricated*
* Permanent lubrication promotes longevity & saves on maintenance & time; oiling blower requires disassembly of complete filter box unit (blower inside).				
Weight	10 lbs.	10 lbs.	10 lbs.	23 lbs.
Mounting	Four (4) self-tapping screws that go into 7 gauge back plate.	Four (4) self-tapping screws that go into 7 gauge back plate.	Four (4) self-tapping screws that go into 7 gauge back plate.	Side mount
Warranty	1 year	1 year	1 year	1 year
Manufacturer	Dayton	Dayton	Dayton	Dayton

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<b>III. HEAT CHAMBER</b>				
Front plate	7 gauge or 3/16" thick material	7 gauge or 3/16" thick material	7 gauge or 3/16" thick material	7 gauge or 3/16" thick material
Back plate	7 gauge	7 gauge	7 gauge	10 gauge – double wall
Right plate	7 gauge	7 gauge	7 gauge	7 gauge
Left plate	7 gauge	7 gauge	7 gauge	7 gauge
Interior smoke baffle	7 gauge; permanently fixed in a closed position to prevent heat loss up chimney	7 gauge; 2 piece sliding baffle creates a secondary heating chamber for improved efficiency & improved drafting during start-up and loading.	7 gauge; 2 piece sliding baffle creates a secondary heating chamber for improved efficiency & improved drafting during start-up and loading.	7 gauge; permanently fixed in a closed position to prevent heat loss up chimney
Firebrick support angles	1-1/2" x 1-1/2" x 3/16" steel angle; welded in place to help strengthen firebox & prevent warping.	1-1/2" x 1-1/2" x 3/16" steel angle; welded in place to help strengthen firebox & prevent warping.	1-1/2" x 1-1/2" x 3/16" steel angle; welded in place to help strengthen firebox & prevent warping.	N/A
Warranty	5 years on heat chamber	5 years on heat chamber	5 years on heat chamber	5 years on heat chamber
Smoke outlet collar	6" diameter; completely welded to back heat chamber plate.*	6" diameter; completely welded to back heat chamber plate.*	6" diameter; completely welded to back heat chamber plate.*	6" diameter; completely welded to back heat chamber plate.*
<i>This part is located in the hottest part of the stove and needs to be built to withstand heat.</i>				
<b>IV. FIRE BRICK</b>				
Firebrick Location	Both sides and back wall of heat chamber (13).	Both sides and back wall of heat chamber (15).	Both sides and back wall of heat chamber (15).	Both side walls (only) of heat chamber (16)
<i>Firebrick acts as an insulator and protects the firebox walls from the extreme heat.</i>				
<b>V. ASH PAN</b>				
Features	Open-ended scoop style.	Open-ended scoop style.	Open-ended scoop style.	Open-ended scoop style
<i>Open end acts as scoop and allows ash pan to be removed during operation; easily pushed back in without ash build-up in back of stove; can be handled by holding just the door handle.</i>				
<b>VI. FIRE DOOR</b>				
Opening Size	Large 11" x 11" square	Large 11" x 11" square	Large 11" x 11" square	Large 11" x 11" square
Material	High quality cast iron steel door with nice fit and finish.	High quality cast iron steel door with nice fit and finish.	High quality cast iron steel door with nice fit and finish.	High quality cast iron steel door with nice fit and finish.
Handle	Simple positive locking handles; turns counter clock-wise to lock closed; clockwise to release and open.	Simple positive locking handles; turns counter clock-wise to lock closed; clockwise to release and open.	Simple positive locking handles; turns counter clock-wise to lock closed; clockwise to release and open.	Simple positive locking handles; turns counter clock-wise to lock closed; clockwise to release and open.

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<b>VII. DRAFT CONTROL</b>				
Features	Auto damper assembly mounted below the fire door. Easy access to view damper door locations. Infinitely adjustable. Highly sensitive bi-metallic coil spring.	Auto damper assembly mounted below the fire door. Easy access to view damper door locations. Infinitely adjustable. Highly sensitive bi-metallic coil spring.	Forced draft combustion system. Room thermostat controls combustion air blower operation to help maintain comfortable heat level; also helps overcome poor chimney draft. Includes room thermostat & transformer/relay.	Forced draft combustion system. Room thermostat controls combustion air blower operation to help maintain comfortable heat level; also helps overcome poor chimney draft. Includes room thermostat & transformer/relay.
<b>VIII. FUEL</b>				
Type	Wood or Coal (w/purchase of soft-coal shaker grate #238FD)	Wood or Coal (w/purchase of soft-coal shaker grate #238FD)	Wood or Coal (w/purchase of soft-coal shaker grate #238FD)	Wood only
Log Load	90 lb.	110 lb.	110 lb.	140 lb.
Log Length	22"	25"	25"	33"
<b>IX. SPECIFICATIONS</b>				
Dimensions	44" H x 24" W x 25 ½" L (w/out blower)	48" H x 24" W x 30 ½" L (w/out blower)	48" H x 24" W x 30 ½" L (w/out blowers)	46" H x 24" W x 61" L (including filter box)
Weight	432 lb.	503 lb.	525 lb.	
<b>X. MANUFACTURER PROFILE</b>				
Facility	Pine City, MN – USA	Pine City, MN – USA	Pine City, MN – USA	Pine City, MN – USA
Warranty	Five (5) year non-prorated: firebox One (1) year: all electrical components, grates and gaskets.	Five (5) year non-prorated: firebox One (1) year: all electrical components, grates and gaskets.	Five (5) year non-prorated: firebox One (1) year: all electrical components, grates and gaskets.	Five (5) year non-prorated: firebox One (1) year: all electrical components, grates and gaskets.
Service	Call 320-629-6737 Monday-Friday, 8 AM to 4:30 PM CST.*	Call 320-629-6737 Monday-Friday, 8 AM to 4:30 PM CST.*	Call 320-629-6737 Monday-Friday, 8 AM to 4:30 PM CST.*	Call 320-629-6737 Monday-Friday, 8 AM to 4:30 PM CST.*
<b>* To learn more &amp; see our furnaces in action, visit <a href="http://www.dakacorp.com">www.dakacorp.com</a></b>				