



# heating showcase

## 2008 COMMERCIAL PRODUCTS

BRAND	COMPANY	MODEL	FUEL TYPE	DUAL FUEL CAPACITY	TYPE OF HEATER	VARIABLE SPEED	MULTI-STAGE	UNIT SIZE (IN TONS)	EER	SEER	MBUTH	AFUE	COP	COMPRESSOR TYPE	REFRIG.	PRODUCT AVAIL.
AERCO	AERCO	Benchmark 1.5 Low NOx	Gas	Yes	Condensing boiler	Yes	20:1 turndown	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	1,500	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	Just in time
American Standard	American Standard	YHC-036E, 048E, 060E	Gas	No	Pkg. unit	No	Single	3-5	MDNS <sup>1</sup>	15	60-130	78-80%	MDNS <sup>1</sup>	Scroll	R-410A	Stocked
Arcoaire	ICP	PGE072	Gas/electric	No	Pkg. unit	No	Yes <sup>2</sup>	6	10.1	MDNS <sup>1</sup>	74-150	80%	MDNS <sup>1</sup>	Scroll	R-22	Stocked
Arcoaire	ICP	PGE090-120	Gas/electric	No	Pkg. unit	No	Two	7.5-10	10.1	MDNS <sup>1</sup>	125-250	80%	MDNS <sup>1</sup>	Scroll	R-22	Stocked
Bard Mfg. Co.	Bard Mfg. Co.	WF Series	Gas	Yes	WM <sup>2</sup> furnace	Yes	Single	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	36.5-102	91%	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	Stocked <sup>4</sup>
Bard Mfg. Co.	Bard Mfg. Co.	WG2 Series	Gas/electric	Yes	WM <sup>2</sup> furnace	Yes	Yes <sup>6</sup>	2-5	Up to 12.2	Up to 15.5 IPLV	36-99	81%	MDNS <sup>1</sup>	Scroll	R-410A	Stocked <sup>4</sup>
Bryant	Bryant	Legacy 580J, 558J	Gas/electric	No	Rooftop unit	No	1, 2	3-10	Up to 11.2	13	59-205	Up to 81%	MDNS <sup>1</sup>	Scroll	R-410A	Stocked <sup>4</sup>
Burnham Hydronics	Burnham Hydronics	MPC	Gas, oil	Yes	Cast iron boiler	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	500-3,600	Up to 89% <sup>7</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	Stocked <sup>4</sup>
Carrier	Carrier	WeatherMaker 48/50 TC	Gas/electric	No	Pkg. rooftop	No	1, 2	3-10	Up to 11.2	13	59-205	Up to 81%	MDNS <sup>1</sup>	Scroll	R-410A	Stocked <sup>4</sup>
Century	Heat Controller	PHG Series	Electric	No	Pkg. HP <sup>8</sup>	No	Two	7.5-10	9.2	MDNS <sup>1</sup>	90-118, heat	MDNS <sup>1</sup>	3.0	Scroll	R-410A	Stocked <sup>9</sup>
Century	Heat Controller	TGCG036C, 060C	Gas/electric	Yes	Pkg. unit	No	Single	3-5	10-13.1	13	120-135, heat	80%	MDNS <sup>1</sup>	Scroll	R-410A	Stocked
Cleaver-Brooks	Cleaver-Brooks	Clearfire CFC	Gas, propane	MDNS <sup>1</sup>	Pkg. boiler	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	500-2,500	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	Stocked
ClimateMaster	ClimateMaster	TMW050	Electric	No	WSHP <sup>10</sup>	No	Single	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	Scroll	R-410A	MDNS <sup>1</sup>
ClimateMaster	ClimateMaster	TS Series	Electric	No	WSHP <sup>10</sup>	No	Single	0.5-6	20	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	Scroll, rotary	R-410A	MDNS <sup>1</sup>
Coleman	Johnson Controls	Echelon	Gas	No	Pkg. unit	No	1, 2	2-5	10.6-12.3	13-16.5	36-108	80%	MDNS <sup>1</sup>	Scroll	R-410A	Distributor <sup>3</sup>
Comfort-Aire	Heat Controller	HRG090 to 120	Electric	No	Heat pump	No	Single	7.5-10	9.2-9.6	MDNS <sup>1</sup>	88-125, heat	MDNS <sup>1</sup>	2.2	Scroll	R-410A	Stocked <sup>9</sup>
Comfort-Aire	Heat Controller	TGCG090C to 240C	Gas/electric	Yes	Pkg. unit	No	Two	7.5-20	8.7-9.2	MDNS <sup>1</sup>	225-400, heat	80%	MDNS <sup>1</sup>	Scroll	R-410A	Stocked
Comfortmaker	ICP	PGE072	Gas/electric	No	Pkg. unit	No	Yes <sup>2</sup>	6	10.1	MDNS <sup>1</sup>	74-150	80%	MDNS <sup>1</sup>	Scroll	R-22	Stocked
Comfortmaker	ICP	PGE090-120	Gas/electric	No	Pkg. rooftop	No	Two	7.5-10	10.1	MDNS <sup>1</sup>	124-250	80%	MDNS <sup>1</sup>	Scroll	R-22	Stocked
Daikin AC	Daikin AC	VRV III <sup>20</sup>	Electric	No	Heat pump	Yes	1, 2	Up to 20	DOE waiver	MDNS <sup>1</sup>	Up to 270	MDNS <sup>1</sup>	MDNS <sup>1</sup>	Inverter scroll	R-410A	Stocked
Daikin AC	Daikin AC	VRV-WII RWEYQ	Electric	No	Heat pump <sup>11</sup>	Yes	MDNS <sup>1</sup>	Up to 21	DOE waiver	MDNS <sup>1</sup>	Up to 283	MDNS <sup>1</sup>	MDNS <sup>1</sup>	Inverter scroll	R-410A	Stocked
Day&Night	ICP	PGE180-240	Gas/electric	No	Pkg. rooftop	No	Two	15-20	9.5-9.7	MDNS <sup>1</sup>	275-360	81%	MDNS <sup>1</sup>	Scroll	R-22	Stocked
Day&Night	ICP	PHH180	Electric	No	Pkg. rooftop, HP <sup>8</sup>	No	Two	15	9.3	MDNS <sup>1</sup>	90-172	MDNS <sup>1</sup>	2.2/3.3	MDNS <sup>1</sup>	R-22	Stocked
Friedrich AC	Friedrich AC	TwinTemp	Electric	MDNS <sup>1</sup>	Heat pump	No	Single	2	10	MDNS <sup>1</sup>	21.6-22	MDNS <sup>1</sup>	MDNS <sup>1</sup>	Reciprocal	R-22	Available
Friedrich AC	Friedrich AC	Vert-I-Pak	Electric	MDNS <sup>1</sup>	Heat pump	No	Single	MDNS <sup>1</sup>	Up to 10.8	MDNS <sup>1</sup>	8.5-22.5	MDNS <sup>1</sup>	3-3.2	Rotary	R-22	Stocked <sup>4</sup>
Goodman	Goodman	CPG	Gas/electric	No	Pkg. unit	No	MDNS <sup>1</sup>	5	11.3	13	Up to 140	80%	MDNS <sup>1</sup>	Scroll	R-410A	Stocked
Goodman	Goodman	CPH	Electric	No	Heat pump	No	MDNS <sup>1</sup>	3-5	11.3	13	58	MDNS <sup>1</sup>	Up to 4.4	Scroll	R-410A	Stocked
Heil	ICP	PGE180-240	Gas/electric	No	Pkg. unit	No	Two	15-20	9.5-9.7	MDNS <sup>1</sup>	275-360	81%	MDNS <sup>1</sup>	Scroll	R-22	Stocked
Heil	ICP	PGE300	Gas/electric	No	Pkg. unit	No	Two	25	9.5	MDNS <sup>1</sup>	275-360	81%	MDNS <sup>1</sup>	Scroll	R-22	Stocked
ICP Commercial	ICP Commercial	PGH300	Gas/electric	No	Pkg. unit	No	Two	25	10	MDNS <sup>1</sup>	250-400	81-82%	MDNS <sup>1</sup>	Scroll	R-22	Stocked
ICP Commercial	ICP Commercial	PHH180	Electric	No	Pkg. rooftop, HP <sup>8</sup>	No	Two	15	9.3	MDNS <sup>1</sup>	90-172	MDNS <sup>1</sup>	2.2-3.3	MDNS <sup>1</sup>	R-22	Stocked
IEC	IEC	Universal Mod. Hi-Rise	Electric	No	Hydronic hot water	Available	Single	1-4	MDNS <sup>1</sup>	MDNS <sup>1</sup>	11.3-68.1	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	Built to order
Lennox	Lennox	LF24	Gas, LP	No	Unit heater	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	30-400 kBtu/h	Up to 81%	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	Stocked
LG Electronics	LG Electronics	Multi V Plus II	Electric	MDNS <sup>1</sup>	Heat pump	Yes	Variable	6.5-25.2	See note <sup>12</sup>	See note <sup>12</sup>	86-343.9	MDNS <sup>1</sup>	See note <sup>12</sup>	Inverter scroll	R-410A	Just in time
LG Electronics	LG Electronics	Multi V Sync II	Electric	MDNS <sup>1</sup>	Heat pump	Yes	Variable	6.5-19	See note <sup>12</sup>	See note <sup>12</sup>	86-258	MDNS <sup>1</sup>	See note <sup>12</sup>	Inverter scroll	R-410A	Just in time
Lochinvar	Lochinvar	Knight XL	Gas, LP	Yes	Condensing boiler	Yes	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	399-800	Up to 94.6%	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	Stocked
Luxaire	Johnson Controls	Acclimate	Gas, propane	No	Pkg. unit	No	1, 2	2-5	10.6-12.3	13-16.5	36-108	80%	MDNS <sup>1</sup>	Scroll	R-410A	Distributor <sup>3</sup>
Mammoth	Nordyne	Q6SD	Electric	No	Heat pump	No	Single	3-5	Up to 11.8	Up to 13.5	35-58	MDNS <sup>1</sup>	3.6	Scroll	R-410A	Stocked
Mammoth	Nordyne	R6GP	Gas/electric	No	Pkg. unit	No	Two	10	11.2	MDNS <sup>1</sup>	235	80%	MDNS <sup>1</sup>	Scroll	R-410A	Stocked
Marvair	Marvair	GPac AVG	Gas, LP	No	Furnace	No	Single	2-5	9-10	10.1-11.4	45-125	80%	MDNS <sup>1</sup>	Scroll	R-22	Stocked
Mitsubishi Electric	Mitsubishi Electric	City Multi <sup>14</sup>	Electric	No	Heat pump	Yes	Variable	8-16	See note <sup>13</sup>	See note <sup>13</sup>	108	MDNS <sup>1</sup>	See note <sup>13</sup>	Inverter scroll	R-410A	Stocked
Raypak	Raypak	Xtherm <sup>15</sup>	Gas, propane	No	Boiler	Yes	Modulating	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	1,000-2,000	96%	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	Just in time
Reznor	Reznor	MPS III <sup>16</sup>	Gas/electric	No	Pkg. rooftop <sup>17</sup>	Available	3-8	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	500-1,600	MDNS <sup>1</sup>	Varies	Scroll	R-410A <sup>21</sup>	Built to order
Reznor	Reznor	PreeVA, PEH, REH	Electric	No	Make-up air unit	Available	Three	3-45	Varies	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	Scroll	R-410A <sup>21</sup>	Built to order
Rheem	Rheem	Prestige RRRL	Gas/electric	No	Pkg. unit	Yes	Two	2-5	Up to 13.5	Up to 16	60-100	80%	MDNS <sup>1</sup>	Scroll	R-410A	Stocked
Ruud	Ruud	Ultra RRRL	Gas/electric	No	Pkg. unit	Yes	Two	2-5	Up to 13.5	Up to 16	60-100	80%	MDNS <sup>1</sup>	Scroll	R-410A	Stocked
Sanyo	Sanyo	ECO-I W, CHDZ14053	Electric	No	Reverse cycle HP <sup>8</sup>	Yes	Yes	12.5	DOE waiver	DOE waiver	170.6	DOE waiver	DOE waiver	Inverter rotary	R-410A	Stocked
Sierra	Sierra Fresh Air Systems	ZDF	Gas	No	Furnace	MDNS <sup>1</sup>	Modulating	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	1.9	92%	MDNS <sup>1</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	Built to order
Tempstar	ICP	PGE180-240	Gas/electric	No	Pkg. unit	No	Two	15-20	9.5-9.7	MDNS <sup>1</sup>	275-360	81%	MDNS <sup>1</sup>	Scroll	R-22	Stocked
Tempstar	ICP	PGE300	Gas/electric	No	Pkg. unit	No	Two	25	9.5	MDNS <sup>1</sup>	275-360	81%	MDNS <sup>1</sup>	Scroll	R-22	Stocked
Trane	Trane	YCHO36E <sup>18</sup>	MDNS <sup>1</sup>	MDNS <sup>1</sup>	Conv. pkg. rooftop	Available	Single	3-5	Up to 13.3	15	38-62	MDNS <sup>1</sup>	MDNS <sup>1</sup>	Scroll	R-410A	Stocked, JIT
Unico	Unico	Unichiller	Electric	No	Reverse cycle HP <sup>8</sup>	No	Single	3, 5	9.2-9.6	MDNS <sup>1</sup>	43.9	MDNS <sup>1</sup>	2.7-2.8	Scroll	R22, R-407C	Just in time
WaterFurnace	WaterFurnace	Envision NCS15	Electric	No	Console <sup>19</sup>	No	Single	.75-1.5	12.3-16	MDNS <sup>1</sup>	6.7-17	MDNS <sup>1</sup>	3.1-4.1	Rotary	R-410A	6 weeks
WaterFurnace	WaterFurnace	NW360	Electric	No	Reversible chiller <sup>19</sup>	No	Two	30, 50	14.4-18.7	MDNS <sup>1</sup>	296.5-691.2	MDNS <sup>1</sup>	3.3-4.4	Scroll	R-410A	6 weeks
York	Johnson Controls	Affinity	Gas, propane	No	Pkg. unit	No	1, 2	2-5	10.6-12.3	13-16.5	36-108	80%	MDNS <sup>1</sup>	Scroll	R-410A	Distributor <sup>3</sup>
York	Johnson Controls	Millennium	Gas	No	Pkg. unit	Yes	Multiple	25-40	9.5-10	MDNS <sup>1</sup>	Up to 800	80%	MDNS <sup>1</sup>	Scroll	R-22, R-410A	Distributor <sup>3</sup>

<sup>1</sup> Manufacturer did not specify

<sup>2</sup> Two-stage heating, one-stage cooling

<sup>3</sup> Contact distributor

<sup>4</sup> Stocked, built to order

<sup>5</sup> Wall mount

<sup>6</sup> Two-stage compressor, one-stage heat

<sup>7</sup> Combustion efficiency rating

<sup>8</sup> Heat pump

<sup>9</sup> Available January 2009

<sup>10</sup> Water-source heat pump

<sup>11</sup> Water-cooled heat pump or heat recovery condensing unit

<sup>12</sup> Multi V Mini series are covered by an interim waiver from the Department of Energy (DOE) test procedures for residential and commercial air conditioners and heat pumps. Because the

DOE test procedure cannot be applied to these variable refrigerant flow zoning products, COP, HSPF, SEER and EER values are not available for these systems.

<sup>13</sup> An interim waiver from the DOE test procedures for residential and commercial air conditioners and heat pumps has been requested for the CITY MULTI H2i Hyper-heating products.

<sup>14</sup> Model PUHY-HP96THMU-A

<sup>15</sup> Models 1005, 1505, 2005

<sup>16</sup> Models RCB, RDG, RDCG, RODB

<sup>17</sup> Self-contained rooftop packaged heating, cooling, ventilating, and make-up air system

<sup>18</sup> Models YHC036E, YHC048E, YHC060E and THCO36E, THCO48E, THCO60E

<sup>19</sup> Ground loop, water loop, open loop

<sup>20</sup> Heat pump models: RXYQ\_\_\_P series;

Heat recovery models: REYQ\_\_\_P series and REMQ\_\_\_P series

<sup>21</sup> R-410A, R-407C, R-22