



Heating and Air Conditioning

TECHNICAL GUIDE

STEALTH

SPLIT-SYSTEM AIR CONDITIONERS

15 + SEER

MODELS:

**H4TS024 THRU 060
(2 THRU 5 NOMINAL TONS)**



CERTIFICATION APPLIES ONLY
WHEN THE COMPLETE
SYSTEM IS LISTED
WITH ARI.



Due to continuous product improvement, specifications are subject to change without notice.

Visit us on the web at www.york.com for the most up-to-date technical information.

Additional rating information can be found at www.ariprimer.net.org.

DESCRIPTION

The HTS Stealth series condensing units use Twin Single™ compressor technology to provide cooling efficiencies up to 15.5 SEER. They are to be installed with the matching variable speed enhanced Air Handler or Diamond Furnace, or with a two-stage or single-stage indoor unit, a corresponding coil and sweat connect lines. A factory specified balanced port hard shut-off TXV kit must be used for proper installation and optimum performance.

WARRANTY

5-year limited parts warranty.

10-year limited compressor warranty.

FEATURES

- **QUALITY CONDENSER COILS** - The coil is constructed of copper tube and hardened aluminum fins for durability and long lasting efficient operation. The fins on the unit are protected with a decorative grille.
- **DURABLE FINISH** - Cabinet is made of powder painted steel over pre-primed steel. The pre-treated galvanized steel provides a better paint to steel bond, which resists corrosion and rust creep. Special primer formulas and automotive quality finish insure less fading when exposed to sunlight.
- **PROTECTED COMPRESSORS** - The Twin Single™ compressor is protected against high and low pressure. Hard start components are included to ensure start-up under adverse conditions. All models have standard crankcase heat for added protection.
- **OPTIMUM PERFORMANCE** - The solid-state electronic controlboard optimizes the compressor staging based on load requirements, provides a 5-minute anti-short cycle timer for the compressor, and simplifies troubleshooting with built in self diagnostics.
- **LOWER INSTALLED COST** - Installation time and costs are reduced by easy power and control wiring connections. All units contain enough refrigerant for the smallest matching indoor coil and 15 feet of interconnecting piping. The small base dimension means less space is required on the ground or roof.
- **EFFECTIVE HUMIDITY CONTROL** - The inherent design of the Stealth system and the staging operation of the Twin Single™ compressor provide effective humidity control at the lowest possible operating cost. An optional dehumidification control accessory is available to maintain the humidity at a set desired level.
- **TOP DISCHARGE** - The warm air from the top mounted fan is blown up away from the structure and any landscaping. This allows compact location on multi-unit applications.
- **LOW OPERATING SOUND LEVEL** - The upward air flow carries the normal operating noise up away from the living area. The rigid top panel effectively isolates any motor sound. Isolator mounted compressor and the rippled fins of the condenser coil muffle the normal fan motor and compressor operating sounds.
- **LOW MAINTENANCE** - Long life permanently lubricated motor- bearings need no annual servicing.
- **EASY SERVICE ACCESS** - Fully exposed refrigerant connections and a single panel covering the electrical controls make servicing easy. Easy access for coil cleaning is also provided.
- **RE-USABLE SERVICE VALVES** - Provided on both the liquid and vapor sweat connections for ease of evacuating and charging.

Certified in accordance with the Unitary Small Equipment certification program, which is based on ARI Standard 210/240.

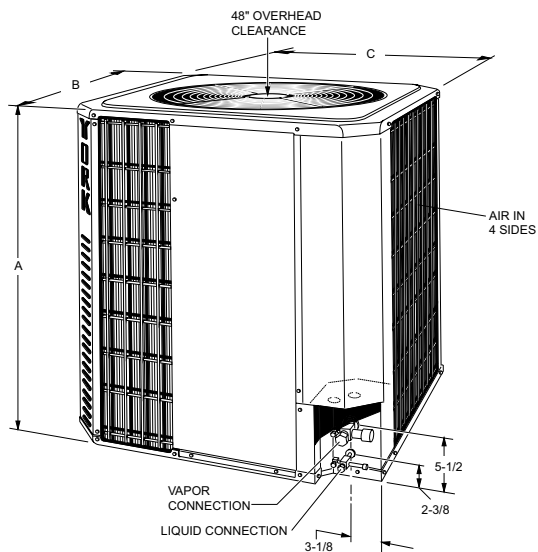
PHYSICAL AND ELECTRICAL DATA

MODEL		H4TS024	H4TS030	H4TS036	H4TS048	H4TS060
UNIT SUPPLY VOLTAGE		208/230-1-60				
NORMAL VOLTAGE RANGE ¹		187 to 252				
MIN. CIRCUIT AMPACITY		13.4	15.3	18.6	32.8	35.3
MAX. OVERCURRENT DEVICE AMPS ²		20	25	30	50	60
COMPRESSOR TYPE		BRISTOL TS				
COMPRESSOR AMPS	RATED LOAD	10.3	11.7	13.5	25.7	27.0
	LOCKED ROTOR	64	65	84	135	147
CRANKCASE HEATER		YES	YES	YES	YES	YES
FAN MOTOR AMPS	RATED LOAD	.5	.5	.7	.7	1.5
FAN DIAMETER INCHES		18	18	24	24	24
FAN MOTOR	RATED HP	1/12	1/12	1/10	1/10	1/4
	NOMINAL RPM	1100	1100	825	825	850
	NOMINAL CFM	1850	1850	2800	2800	3200
COIL	FACE AREA SQ. FT	14.2	14.2	20.0	24.0	24.0
	COIL ROWS DEEP	1	1	1	1	1
	FIN / INCH	20	20	20	20	20
LIQUID LINE OD		3/8	3/8	3/8	3/8	3/8
VAPOR LINE OD		3/4	3/4	7/8	7/8	7/8
UNIT CHARGE, (LBS - OZ) ³		6 - 0	6 - 4	7 - 0	9 - 12	9 - 2
CHARGE PER FOOT, OZ		.68	.68	.70	.70	.70
OPERATING WEIGHT LBS.		145	145	200	250	252

1 Rated in accordance with ARI Standard 110, utilization range "A".

2 Dual element fuses or HACR circuit breaker.

3 The Unit Charge is correct for the outdoor unit, matched indoor coil and 15 feet of refrigerant tubing. For tubing lengths other than 15 feet, add or subtract the amount of refrigerant calculated, using the difference in length multiplied by the per foot value.

**DIMENSIONS**

UNIT MODEL	DIMENSIONS (INCHES)			REFRIGERANT CONNECTION LINE SIZE	
	A ¹	B	C	Liquid	Vapor
024	30-1/8	24	24	3/8	3/4
030	30-1/8	24	24		
036	31-7/8	35	35		7/8
048	37-7/8	35	35		
060	37-7/8	35	35		

COOLING CAPACITY -With Air Handler Coils

UNIT MODEL	VAR SPEED AIR HANDLER			COIL MODEL	COOLING					
	MODEL	ELEC. HEAT KW	W		STAGE (# CYL)	RATED CFM	NET MBH		SEER	EER
							TOTAL	SENS.		
H4TS024	N+VSB12	5,7.5,10,15,18	17	G2FD024S17	1	600	12.4	10.0	14.8	13.5
					2	820	24.0	16.8		12.0
				G2FD030S17	1	600	12.8	10.2	15.4	14.0
					2	820	24.6	17.2		12.5
				G2FD036S17	1	600	13.0	10.4	15.5	14.3
					2	820	25.0	17.5		12.5
H4TS030	N-VSB12	5,7.5,10,15,18	17	G2FD030S17	1	670	15.0	12.0	14.0	12.7
					2	1035	30.0	21.6		11.0
				G2FD036S17	1	670	15.4	12.2	14.5	13.1
					2	1035	31.0	22.0		11.0
	N-VSC16	5,7.5,10,15,20	21	G2FD042S21	1	690	16.4	13.4	15.3	14.1
					2	1065	31.6	23.4		11.2
H4TS036	N-VSC16	5,7.5,10,15,20	21	G2FD036S21	1	770	20.0	16.0	15.0	13.7
					2	1185	35.0	26.0		11.3
				G2FD042S21	1	770	20.0	16.0	15.0	13.7
					2	1185	35.0	26.0		11.3
				G2FD048S21	1	770	20.6	16.6	16.0	14.4
					2	1185	36.0	26.6		12.5
H4TS048	N-VSC16	5, 7.5,10,15,20	21	G2FD048S21	1	1050	25.0	20.0	15.2	14.1
					2	1605	47.5	35.0		10.4
	N-VSD20	5, 7.5,10,15,20	24	G2FD048S24	1	1050	25.0	20.0	15.3	14.2
					2	1570	47.5	35.0		10.5
				G2FD060S24	1	1050	25.0	21.0	15.5	14.0
					2	1570	49.5	37.0		10.7
H4TS060	N-VSD20	5, 7.5,10,15,20	24	G2FD060S24	1	1250	33.0	26.4	14.5	13.5
					2	1900	59.0	43.0		10.4
				G2FD061H24	1	1250	33.0	26.4	15.0	14.0
					2	1900	59.5	44.0		10.7

Rated in accordance with DOE test procedures (Federal Register 12-27-79 and 3-18-88) and ARI Standards 210.

Cooling MBH based on 80°F entering air temperature, 50% RH, and rated air flow.

KW includes compressor, outdoor fan and indoor blower motor watts. Add-on coils include 365 watts/1000 CFM for blower motor.

EER (Energy Efficiency Ratio) is the total cooling output in BTU's at a 95°F outdoor ambient divided by the total electric power in watt-hours at those conditions.

SEER (Seasonal Energy Efficiency Ratio) is the total cooling output in BTU's during a normal annual usage period for cooling divided by the total electric power input in watt-hours during the same period.

* Requires a 2FD Blower Time Delay unless a standard furnace is equipped with one.

** Refer to Quick Selection Chart for specific furnace match-up.

ACCESSORIES*

Enhanced Coil Guard - An enhanced coil guard which offers superior protection from hail and other types of damage is available.

* For the most current accessory information, refer to the price book or consult factory.

SOUND RATINGS*

UNIT MODEL	SOUND RATINGS DECIBELS	
	1 CYLINDER	2 CYLINDER
024	70 db	72 db
030	72 db	74 db
036	73 db	74 db
048	76 db	78 db
060	78 db	79 db

*Rated in accordance with ARI Standard 270.

COOLING CAPACITY - Variable Speed Furnace

UNIT MODEL	VARIABLE SPEED FURNACE MODEL	W	COIL MODEL	COOLING							
				STAGE (# CYL)	RATED CFM	NET MBH		SEER	EER		
						TOTAL	SENS.				
H4TS024	P1XUB12V055	17	G1UA036S17	1	600	12.6	10.2	15.0	13.7		
				2	820	24.4	17.2		11.7		
			G1FA036S17	1	600	12.6	10.2	15.0	13.7		
				2	820	24.4	17.2		11.7		
			G2FD024S17	1	600	12.4	10.2	15.0	13.0		
				2	820	23.8	16.8		11.5		
			G2FD030S17	1	600	12.6	10.2	15.3	13.5		
				2	820	24.4	17.2		11.6		
			G2FD036S17	1	600	12.8	10.2	15.5	13.7		
				2	820	25.0	17.4		11.7		
			G2FD046S17	1	600	12.8	10.4	15.5	13.7		
				2	820	25.0	17.4		11.7		
	P1DUA12V064	14	G1UA030S14	1	600	12.4	10.0	14.0	13.0		
				2	820	23.8	16.8		11.3		
			G1FA030S14	1	600	12.4	10.0	14.0	13.0		
				2	820	23.8	16.8		11.3		
			G1UA036S14	1	600	12.6	10.2	14.5	13.7		
				2	820	24.4	17.2		11.7		
			G1FA036S14	1	600	12.6	10.2	14.5	13.7		
				2	820	24.4	17.2		11.7		
H4TS030	P1XUB12V055	17	G1UA036S17	1	670	15.4	13.4	13.7	12.5		
				2	1035	29.8	21.6		11.1		
			G1FA036S17	1	670	15.4	13.4	13.7	12.5		
				2	1035	29.8	21.6		11.1		
			G1UA048S17	1	670	15.0	12.2	14.0	12.7		
				2	1035	29.6	21.6		11.3		
			G1FA048S17	1	670	15.0	12.2	14.0	12.7		
				2	1035	29.6	21.6		11.3		
			G2FD030S17	1	670	15.4	12.2	13.7	13.0		
				2	1035	29.8	21.6		11.0		
			G2FD036S17	1	670	15.0	12.0	14.1	13.2		
				2	1035	29.6	21.6		11.0		
			G2FD046S17	1	670	15.0	12.0	14.5	13.5		
				2	1035	29.6	21.6		11.2		
			P1XUC16V075	21	G1UA036S21	1	690	15.0	12.0	14.5	13.0
						2	1065	29.6	21.6		11.0
					G1FA036S21	1	690	15.0	12.0	14.5	13.0
						2	1065	29.6	21.6		11.0
	G1UA048S21	1			690	15.4	12.2	14.5	13.0		
		2			1065	29.4	21.4		11.0		
	G1FA048S21	1			690	15.4	12.2	14.5	13.0		
		2			1065	29.4	21.4		11.0		
	G2FD036S21	1			670	15.4	12.2	14.5	13.0		
		2			1065	29.4	21.4		11.0		
	G2FD042S21	1			690	16.0	13.0	15.5	13.9		
		2			1065	31.4	23.0		11.4		
	G2FD048S21	1			690	16.0	13.0	15.5	13.9		
		2			1065	31.4	23.0		11.4		
	P1DUA12V064	14	G1UA036S14	1	670	15.4	12.2	13.7	12.5		
				2	1035	30.2	22.0		11.0		
			G1FA036S14	1	670	15.4	12.2	13.7	12.5		
				2	1035	30.2	22.0		11.0		
	P1DUB16V080	17	G1UA036S17	1	670	15.4	12.2	14.0	13.0		
				2	1035	29.8	21.6		11.0		
			G1FA036S17	1	670	15.4	12.2	14.0	13.0		
				2	1035	29.8	21.6		11.0		
			G1UA048S17	1	670	15.0	12.0	14.4	13.0		
				2	1035	29.6	21.6		11.2		
			G1FA048S17	1	670	15.0	12.0	14.4	13.0		
				2	1035	29.6	21.6		11.2		
			G2FD030S17	1	670	15.0	12.0	14.0	13.0		
				2	1035	29.8	21.6		11.0		
			G2FD036S17	1	670	15.0	12.0	14.4	13.2		
				2	1035	29.6	21.6		11.0		
			G2FD046S17	1	670	15.0	12.0	14.6	13.6		
				2	1035	29.6	21.6		11.2		

COOLING CAPACITY - Variable Speed Furnace (Continued)

UNIT MODEL	VARIABLE SPEED FURNACE MODEL	W	COIL MODEL	COOLING							
				STAGE (# CYL)	RATED CFM	NET MBH		SEER	EER		
						TOTAL	SENS.				
H4TS036	P1XUB12V055 P1DUB16V080	17 17	G1UA048S17	1	750	20.0	16.0	14.5	13.4		
				2	1150	34.8	26.0		11.0		
			G1FA048S17	1	750	20.0	16.0	14.5	13.4		
				2	1150	34.8	26.0		11.0		
			G2FD036S17	1	750	20.0	16.0	14.5	13.4		
				2	1150	34.8	26.0		11.0		
		G2FD046S17	1	750	20.0	16.0	14.5	13.4			
			2	1150	34.8	26.0		11.0			
		P1XUC16V075	21	G1UA048S21	1	770	21.0	16.6	15.0	14.1	
					2	1185	36.8	27.0		11.6	
				G1FA048S21	1	770	21.0	16.6	15.0	14.1	
					2	1185	36.8	27.0		11.6	
	G2FD036S21			1	770	20.4	16.0	15.0	13.6		
				2	1185	35.4	26.0		11.4		
	G2FD042S21		1	770	20.4	16.0	15.0	13.6			
			2	1185	35.4	26.0		11.4			
	G2FD048S21		1	770	21.0	16.6	15.5	14.1			
			2	1185	36.8	27.0		11.6			
	P1XUC20V095 P1DUC20V096		21	G1UA048S21	1	770	21.0	16.0	15.5	14.3	
					2	1200	37.0	27.0		11.6	
		G1FA048S21		1	770	21.0	16.0	15.5	14.3		
				2	1200	37.0	27.0		11.6		
		G2FD036S21		1	770	20.4	16.4	15.0	13.7		
				2	1200	35.4	26.0		11.4		
		G2FD042S21	1	770	20.4	16.4	15.0	13.7			
			2	1200	35.4	26.0		11.4			
		G2FD048S21	1	770	21.0	16.6	15.5	14.2			
			2	1200	37.0	27.0		11.6			
		P1XUD20V112	24	G2FD048S24	1	770	21.0	16.6	15.5	14.2	
					2	1200	37.0	27.0		11.6	
H4TS048	P1XUC16V075 P1XUC20V095 P1DUC20V096	21	G1UA048S21	1	1050	24.0	19.0	14.5	13.5		
				2	1500	47.5	35.0		10.2		
			G1FA048S21	1	1050	24.0	19.0	14.5	13.5		
				2	1500	47.5	35.0		10.2		
			G1UA060S21	1	1050	25.0	20.0	14.7	13.3		
				2	1500	49.0	36.0		10.4		
		G1FA060S21	1	1050	25.0	20.0	14.7	13.3			
			2	1500	49.0	36.0		10.4			
		G2FD048S21	1	1050	24.0	19.0	14.7	13.9			
			2	1500	47.5	35.0		10.2			
		P1XUD20V112	24	G1UA060S24	1	1050	25.2	20.2	15.0	13.8	
					2	1500	49.5	36.5		10.5	
	G1FA060S24			1	1050	25.2	20.2	15.0	13.8		
				2	1500	49.5	36.5		10.5		
	G2FD048S24			1	1050	24.0	19.0	14.8	14.0		
				2	1500	47.5	35.0		10.3		
	G2FD060S24	24	G2FD060S24	1	1050	25.2	20.2	15.0	13.8		
				2	1500	49.5	37.5		10.5		
H4TS060			P1XUC20V095 P1DUC20V096	21	G1UA060S21	1	1250	33.0	26.4	13.7	12.6
						2	1900	59.0	43.0		10.0
					G1FA060S21	1	1250	33.0	26.4	13.7	12.6
						2	1900	59.0	43.0		10.0
P1XUD20V112	24	G1UA060S24	1	1250	33.0	26.4	14.0	13.1			
			2	1900	59.0	43.0		10.4			
		G1FA060S24	1	1250	33.0	26.4	14.0	13.1			
			2	1900	59.0	43.0		10.4			
		G2FD060S24	1	1250	33.0	26.4	14.0	13.1			
			2	1900	59.0	43.0		10.4			
		G2FD061H24	1	1250	34.0	27.0	14.3	13.1			
			2	1900	60.0	44.0		10.6			

COOLING PERFORMANCE DATA - LOW CFM 1-CYLINDER OPERATION													
AIR CONDITIONER MODEL NO.		H4TS024S06											
INDOOR COIL MODEL NO.		G2FD036S17+N1VSB12											
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	550				600				650			
	ID DB (°F)	85	80	75	70	85	80	75	70	85	80	75	70
	ID WB (°F)	72	67	62	57	72	67	62	57	72	67	62	57
75	T.C.	15.7	14.4	13.1	12.1	15.9	14.5	13.3	12.3	16.0	14.6	13.5	12.4
	S.C.	10.4	10.5	10.5	10.1	11.0	10.9	11.1	10.3	11.5	11.4	11.3	10.4
	K.W.	0.77	0.77	0.77	0.77	0.79	0.77	0.77	0.77	0.80	0.80	0.80	0.80
85	T.C.	14.8	13.7	12.4	11.5	15.1	13.8	12.7	11.7	15.2	13.9	12.8	11.8
	S.C.	10.2	10.2	10.2	9.6	10.8	10.7	10.6	9.8	11.2	11.1	10.7	9.9
	K.W.	0.84	0.84	0.84	0.83	0.86	0.84	0.84	0.83	0.88	1.10	1.09	1.08
95	T.C.	14.1	12.9	11.8	10.9	14.2	13.0	12.0	11.1	14.3	13.2	12.2	11.2
	S.C.	10.0	9.9	9.9	9.1	10.5	10.4	10.1	9.3	11.0	11.0	10.2	9.4
	K.W.	0.92	0.91	0.90	0.89	0.93	0.91	0.90	0.89	0.95	0.94	0.93	0.92
105	T.C.	13.3	12.1	11.2	10.3	13.4	12.2	11.4	10.4	13.4	12.4	11.5	10.6
	S.C.	9.8	9.7	9.4	8.6	10.2	10.1	9.5	8.7	10.7	10.4	9.6	8.8
	K.W.	0.99	0.97	0.96	0.94	1.00	0.97	0.96	0.95	1.02	1.00	0.99	0.98
115	T.C.	12.4	11.3	10.5	9.7	12.5	11.6	10.7	9.8	12.6	11.7	10.8	9.9
	S.C.	9.5	9.4	8.8	8.1	9.9	9.7	8.9	8.2	10.4	9.8	9.0	8.3
	K.W.	1.05	1.03	1.01	1.00	1.06	1.03	1.02	1.00	1.08	1.07	1.05	1.03
125	T.C.	11.5	10.5	9.8	9.1	11.6	11.0	10.0	9.2	11.8	11.0	10.1	9.2
	S.C.	9.2	9.1	8.2	7.6	9.6	9.3	8.3	7.7	10.1	9.2	8.4	7.8
	K.W.	1.10	1.09	1.06	1.06	1.12	1.09	1.08	1.05	1.14	1.14	1.11	1.08

NOTE: ALL CAPACITIES ARE NET WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.

Multipliers for determining the performance with other indoor sections.

Air Handler	Coil	T.C.	S.C.	KW
N1VSB12	G2FD024S17	0.95	0.96	1.01
N1VSB12	G2FD030S17	0.98	0.98	1.00
	G1UA048S17	0.95	1.00	1.04
	G1HD036	0.94	0.98	1.07
	G2FD030S17	0.94	0.98	1.07
	G1FD036S17	0.95	1.00	1.08
	G1FA036S17,21	0.92	0.96	1.04
	G2FD035S14	0.92	0.96	1.04
	G2FD048S21,24	0.95	1.01	0.89
	G1FA048S17	0.95	1.00	1.04
	G1UA036S17,21	0.92	0.96	1.04

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P1XUB12V055	G1UA036S17	0.97	0.98	1.01
P1XUB12V055	G1FA036S17	0.97	0.98	1.01
P1XUB12V055	G2FD024S17	0.95	0.98	1.04
P1XUB12V055	G2FD030S17	0.97	0.98	1.02
P1XUB12V055	G2FD036S17	0.98	0.98	1.02
P1XUB12V055	G2FD046S17	0.98	1.00	1.02
P1DUA12V064	G1UA036S14	0.97	0.98	1.04
P1DUA12V064	G1FA036S14	0.97	0.98	1.04
P1DUA12V064	G1UA030S14	0.95	0.96	1.04
P1DUA12V064	G1FA030S14	0.95	0.96	1.04

COOLING PERFORMANCE DATA - HIGH CFM 2-CYLINDER OPERATION													
AIR CONDITIONER MODEL NO.		H4TS024S06											
INDOOR COIL MODEL NO.		G2FD036S17+N1VSB12											
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	750				800				850			
	ID DB (°F)	85	80	75	70	85	80	75	70	85	80	75	70
	ID WB (°F)	72	67	62	57	72	67	62	57	72	67	62	57
75	T.C.	29.1	26.6	24.1	21.8	29.3	26.9	24.3	22.0	29.5	27.1	24.5	22.2
	S.C.	16.9	16.9	17.0	17.0	17.4	17.4	17.5	17.5	17.8	17.9	18.0	18.0
	K.W.	1.74	1.73	1.70	1.67	1.77	1.74	1.71	1.70	1.79	1.76	1.74	1.71
85	T.C.	28.3	25.9	23.4	21.2	28.5	26.1	23.6	21.6	28.7	26.3	23.8	21.9
	S.C.	17.1	17.1	17.2	17.1	17.6	17.6	17.7	17.9	18.1	18.1	18.3	18.4
	K.W.	1.88	1.86	1.82	1.78	1.91	1.87	1.84	1.81	1.93	1.90	1.86	1.83
95	T.C.	27.1	24.8	22.5	20.4	27.3	25.0	22.7	20.6	27.4	25.1	22.9	20.8
	S.C.	16.9	16.9	17.1	17.1	17.5	17.5	17.6	17.6	18.0	18.0	18.3	18.2
	K.W.	2.02	1.98	1.94	1.90	2.05	2.00	1.96	1.92	2.06	2.03	1.98	1.94
105	T.C.	25.6	23.3	21.2	19.2	25.8	23.5	21.4	19.4	25.9	23.7	21.6	19.8
	S.C.	16.5	16.5	16.7	16.7	17.2	17.1	16.4	14.3	17.7	17.8	17.9	18.0
	K.W.	2.17	2.11	2.06	2.00	2.19	2.13	2.08	2.03	2.21	2.16	2.10	2.06
115	T.C.	23.9	21.9	19.9	18.0	24.1	22.0	20.0	18.4	24.2	22.3	20.2	18.7
	S.C.	16.0	16.0	16.2	16.1	16.6	16.6	16.8	16.7	17.2	17.3	17.3	17.0
	K.W.	2.30	2.23	2.16	2.11	2.32	2.25	2.19	2.13	2.34	2.28	2.21	2.17
125	T.C.	22.3	20.4	18.7	16.7	22.5	20.4	18.7	17.3	22.6	20.8	18.8	17.5
	S.C.	15.5	15.5	15.7	15.5	16.0	16.1	17.2	19.1	16.7	16.8	16.7	16.0
	K.W.	2.43	2.34	2.26	2.21	2.45	2.37	2.30	2.23	2.47	2.40	2.32	2.28
NOTE: ALL CAPACITIES ARE NET WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.													

Multipliers for determining the performance with other indoor sections.

Air Handler	Coil	T.C.	S.C.	KW
N1VSB12	G2FD024S17	0.96	0.96	1.00
N1VSB12	G2FD030S17	0.98	0.98	0.98
	G1UA048S17	0.98	1.01	1.11
	G1HD036	0.98	1.01	1.15
	G2FD030S17	0.96	0.98	1.13
	G1FD036S17	0.98	1.01	1.11
	G1FA036S17,21	0.96	0.98	1.13
	G2FD035S14	0.96	0.98	1.13
	G2FD048S21,24	0.98	1.02	0.94
	G1FA048S17	0.98	1.01	1.11
	G1UA036S17,21	0.96	0.98	1.13

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P1XUB12V055	G1FA036S17	0.98	0.98	1.04
P1XUB12V055	G1UA036S17	0.98	0.98	1.04
P1XUB12V055	G2FD024S17	0.95	0.96	1.03
P1XUB12V055	G2FD030S17	0.98	0.98	1.05
P1XUB12V055	G2FD036S17	1.00	0.99	1.07
P1XUB12V055	G2FD046S17	1.00	0.99	1.07
P1DUA12V064	G1FA036S14	0.98	0.98	1.05
P1DUA12V064	G1UA036S14	0.98	0.98	1.05
P1DUA12V064	G1FA030S14	0.95	0.96	1.01
P1DUA12V064	G1UA030S14	0.95	0.96	1.01

COOLING PERFORMANCE DATA - LOW CFM 1-CYLINDER OPERATION													
AIR CONDITIONER MODEL NO.		H4TS030S06											
INDOOR COIL MODEL NO.		G2FD042S21+N1VSC16											
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	600				650				700			
	ID DB (°F)	85	80	75	70	85	80	75	70	85	80	75	70
	ID WB (°F)	72	67	62	57	72	67	62	57	72	67	62	57
75	T.C.	19.8	18.1	16.6	15.4	19.9	18.5	16.8	15.6	20.1	18.5	17.2	15.9
	S.C.	13.6	13.6	13.5	12.7	14.2	14.1	13.9	12.9	15.4	15.1	14.2	13.1
	K.W.	0.98	0.98	0.98	0.99	1.00	1.00	1.00	1.00	1.03	1.03	1.03	1.03
85	T.C.	18.7	17.2	15.8	14.6	18.8	17.3	16.0	14.8	19.1	17.7	16.4	15.1
	S.C.	13.3	13.3	13.1	12.1	13.9	13.7	13.3	12.2	15.0	14.6	13.5	12.5
	K.W.	1.07	1.06	1.06	1.06	1.09	1.08	1.08	1.08	1.13	1.12	1.12	1.11
95	T.C.	17.7	16.3	15.0	13.9	17.9	16.4	15.2	14.0	18.0	16.8	15.5	14.3
	S.C.	13.0	12.9	12.4	11.5	13.7	13.4	12.6	11.6	14.6	13.9	12.8	11.8
	K.W.	1.16	1.15	1.14	1.13	1.17	1.17	1.16	1.15	1.21	1.21	1.20	1.19
105	T.C.	16.7	15.3	14.2	13.1	16.8	15.6	14.4	13.2	17.1	15.8	14.6	13.4
	S.C.	12.7	12.5	11.7	10.8	13.2	12.9	11.9	10.9	14.1	13.1	12.1	11.1
	K.W.	1.25	1.23	1.21	1.20	1.26	1.24	1.23	1.22	1.30	1.28	1.27	1.26
115	T.C.	15.7	14.5	13.4	12.3	15.8	14.6	13.5	12.4	16.1	14.9	13.7	12.6
	S.C.	12.4	12.0	11.0	10.2	12.8	12.1	11.2	10.2	13.3	12.3	11.3	10.4
	K.W.	1.32	1.30	1.28	1.26	1.34	1.32	1.30	1.29	1.39	1.37	1.34	1.33
125	T.C.	14.7	13.7	12.6	11.5	14.8	13.6	12.6	11.6	15.1	14.0	12.8	11.8
	S.C.	12.1	11.5	10.3	9.6	12.4	11.3	10.5	9.5	12.5	11.5	10.5	9.7
	K.W.	1.40	1.37	1.35	1.32	1.42	1.40	1.37	1.36	1.47	1.46	1.41	1.40
NOTE: ALL CAPACITIES ARE NET WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.													

Multipliers for determining the performance with other indoor sections.

Air Handler	Coil	T.C.	S.C.	KW
N1VSB12	G2FD030S17	0.91	0.90	1.02
N1VSB12	G2FD036S17	0.94	0.91	1.01
N1VSC16	G2FD036S21	0.94	0.99	0.99
F2FP040		1.00	1.00	0.98
	GUA048S17,21	0.94	1.00	1.05
	G1HD036	0.91	0.91	1.09
	GHD048	0.94	1.00	1.05
	GFD036S17	0.91	0.91	1.09
	GFD046S17	0.91	0.91	1.09
	G1FA048S21,24	0.97	1.07	0.96
	G2FD035S14	0.91	0.96	0.96
	G2FD048S21,24	0.97	1.07	0.96
	GFA048S17,21	0.94	1.00	1.05
	G1UA048S21,24	0.97	1.07	0.96

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P1XUB12V055	G1FA036S17	0.94	1.00	1.05
P1XUB12V055	G1FA048S17	0.91	0.91	1.02
P1XUB12V055	G1UA036S17	0.94	1.00	1.05
P1XUB12V055	G1UA048S17	0.91	0.91	1.02
P1XUB12V055	G2FD030S17	0.94	0.91	1.01
P1XUB12V055	G2FD036S17	0.91	0.90	0.99
P1XUB12V055	G2FD046S17	0.91	0.90	0.95
P1XUC16V075	G1FA036S21	0.91	0.90	0.99
P1XUC16V075	G1FA048S21	0.94	0.91	1.01
P1XUC16V075	G1UA036S21	0.91	0.90	0.99
P1XUC16V075	G1UA048S21	0.94	0.91	1.01
P1XUC16V075	G2FD036S21	0.94	0.91	1.01
P1XUC16V075	G2FD042S21	0.98	0.97	0.99
P1XUC16V075	G2FD048S21	0.98	0.97	0.99
P1DUA12V064	G1FA036S14	0.94	0.91	1.05
P1DUB16V080	G1FA036S17	0.94	0.91	1.01
P1DUB16V080	G1FA048S17	0.91	0.90	0.99
P1DUA12V064	G1UA036S14	0.94	0.91	1.05
P1DUB16V080	G1UA036S17	0.94	0.91	1.01
P1DUB16V080	G1UA048S17	0.91	0.90	0.99
P1DUB16V080	G2FD030S17	0.91	0.90	0.99
P1DUB16V080	G2FD036S17	0.91	0.90	0.98
P1DUB16V080	G2FD046S17	0.91	0.90	0.94

COOLING PERFORMANCE DATA - HIGH CFM 2-CYLINDER OPERATION													
AIR CONDITIONER MODEL NO.		H4TS030S06											
INDOOR COIL MODEL NO.		G2FD042S21+N1VSC16											
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	950				1000				1100			
	ID DB (°F)	85	80	75	70	85	80	75	70	85	80	75	70
	ID WB (°F)	72	67	62	57	72	67	62	57	72	67	62	57
75	T.C.	35.9	33.1	30.3	27.6	36.1	33.3	30.5	27.8	36.5	33.6	30.8	28.3
	S.C.	22.6	22.7	23.0	23.1	23.0	23.2	23.5	23.6	23.9	24.0	24.4	24.6
	K.W.	2.34	2.29	2.25	2.21	2.37	2.32	2.27	2.23	2.40	2.35	2.30	2.27
85	T.C.	35.4	32.6	29.8	27.3	35.6	32.8	30.0	27.5	35.9	33.1	30.3	27.9
	S.C.	22.9	23.0	23.3	23.5	23.4	23.5	23.8	24.1	23.4	24.5	24.9	25.1
	K.W.	2.59	2.53	2.47	2.43	2.61	2.55	2.50	2.45	2.65	2.58	2.53	2.49
95	T.C.	34.1	31.4	28.7	26.4	34.3	31.6	28.9	26.5	34.7	31.9	29.3	26.9
	S.C.	22.6	22.8	23.1	23.3	23.2	23.4	23.8	23.9	23.2	24.6	25.0	25.0
	K.W.	2.86	2.79	2.73	2.68	2.88	2.82	2.75	2.70	2.92	2.85	2.79	2.73
105	T.C.	32.7	30.0	27.4	25.1	32.9	30.2	27.6	25.3	33.1	30.4	27.9	25.6
	S.C.	22.5	22.5	22.7	22.9	23.1	23.1	23.4	23.5	24.2	24.3	24.5	24.6
	K.W.	3.18	3.10	3.03	2.87	3.20	3.11	3.04	2.99	3.24	3.16	3.09	3.03
115	T.C.	31.1	28.4	26.1	23.8	31.1	28.7	26.2	23.9	31.4	29.0	26.5	24.3
	S.C.	21.9	21.8	22.2	22.3	22.4	22.5	22.7	22.8	23.6	23.7	23.9	23.9
	K.W.	3.55	3.46	3.33	3.33	3.57	3.48	3.41	3.34	3.62	3.53	3.45	3.39
125	T.C.	29.5	26.8	24.8	22.5	29.3	27.2	24.8	22.5	29.7	27.6	25.1	23.0
	S.C.	21.3	21.1	21.7	21.7	21.7	21.9	22.0	22.1	23.0	23.1	23.3	23.2
	K.W.	3.93	3.83	3.62	3.78	3.94	3.85	3.78	3.69	4.00	3.90	3.81	3.75
NOTE: ALL CAPACITIES ARE NET WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.													

Multipliers for determining the performance with other indoor sections.

Air Handler	Coil	T.C.	S.C.	KW
N1VSB12	G2FD030S17	0.95	0.92	0.97
N1VSB12	G2FD036S17	0.98	0.94	1.00
N1VSC16	G2FD036S21	0.98	0.99	1.00
F2FP040		0.97	1.00	0.91
	GUA048S17,21	1.01	1.01	1.03
	G1HD036	0.95	0.94	1.04
	GHD048	1.01	1.01	1.03
	GFD036S17	0.95	0.94	1.04
	GFD046S17	0.95	0.94	1.04
	G1FA048S21,24	1.01	1.07	0.90
	G2FD035S14	0.95	0.96	0.90
	G2FD048S21,24	1.01	1.07	0.90
	GFA048S17,21	1.01	1.01	1.03
	G1UA048S21,24	1.01	1.07	0.90

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P1XUB12V055	G1FA036S17	0.94	0.92	0.95
P1XUB12V055	G1UA036S17	0.94	0.92	0.95
P1XUB12V055	G1FA048S17	0.94	0.92	0.93
P1XUB12V055	G1UA048S17	0.94	0.92	0.93
P1XUB12V055	G2FD030S17	0.94	0.92	0.96
P1XUB12V055	G2FD036S17	0.94	0.92	0.96
P1XUB12V055	G2FD046S17	0.94	0.92	0.94
P1XUC16V075	G1FA036S21	0.94	0.92	0.96
P1XUC16V075	G1UA036S21	0.94	0.92	0.96
P1XUC16V075	G1FA048S21	0.93	0.91	0.95
P1XUC16V075	G1UA048S21	0.93	0.91	0.95
P1XUC16V075	G2FD036S21	0.93	0.91	0.95
P1XUC16V075	G2FD042S21	0.94	0.98	0.92
P1XUC16V075	G2FD048S21	0.99	0.98	0.98
P1DUA12V064	G1FA036S14	0.96	0.94	0.98
P1DUA12V064	G1UA036S14	0.96	0.94	0.98
P1DUB16V080	G1FA036S17	0.94	0.92	0.96
P1DUB16V080	G1UA036S17	0.94	0.92	0.96
P1DUB16V080	G1FA048S17	0.94	0.92	0.94
P1DUB16V080	G1UA048S17	0.94	0.92	0.94
P1DUB16V080	G2FD030S17	0.94	0.92	0.96
P1DUB16V080	G2FD036S17	0.94	0.92	0.96
P1DUB16V080	G2FD046S17	0.94	0.92	0.94

COOLING PERFORMANCE DATA - LOW CFM 1-CYLINDER OPERATION													
AIR CONDITIONER MODEL NO.			H4TS036S06										
INDOOR COIL MODEL NO.			G2FD048S21+N1VSC16										
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	700				750				850			
	ID DB (°F)	85	80	75	70	85	80	75	70	85	80	75	70
	ID WB (°F)	72	67	62	57	72	67	62	57	72	67	62	57
75	T.C.	24.5	22.2	20.2	18.3	24.7	22.4	20.4	18.4	25.0	22.9	20.7	18.9
	S.C.	16.0	16.0	16.1	16.1	16.5	16.5	16.7	16.6	17.5	17.7	17.7	17.7
	K.W	1.21	1.24	1.25	1.25	1.23	1.25	1.26	1.28	1.25	1.28	1.29	1.30
85	T.C.	23.6	21.5	19.5	17.6	23.8	21.7	19.7	17.9	24.1	22.1	20.0	18.4
	S.C.	16.2	16.1	16.3	16.1	16.8	16.8	16.9	16.8	18.0	18.0	18.1	17.7
	K.W	1.31	1.32	1.33	1.33	1.31	1.34	1.35	1.35	1.34	1.36	1.38	1.38
95	T.C.	22.4	20.4	18.5	16.8	22.6	20.6	18.6	17.1	22.8	20.9	19.0	17.6
	S.C.	16.0	16.0	16.0	16.0	16.7	16.6	16.7	16.4	17.9	17.9	17.9	16.9
	K.W	1.40	1.42	1.42	1.42	1.42	1.43	1.43	1.43	1.45	1.46	1.47	1.47
105	T.C.	21.0	19.2	17.3	15.9	21.2	19.3	17.5	16.2	21.4	19.5	17.9	16.6
	S.C.	15.6	15.6	15.7	15.3	16.3	16.2	16.3	15.5	17.6	17.5	17.2	15.9
	K.W	1.51	1.51	1.51	1.50	1.53	1.53	1.53	1.53	1.55	1.56	1.57	1.56
115	T.C.	19.7	17.9	16.2	15.0	19.8	18.1	16.5	15.2	20.0	18.3	16.9	15.6
	S.C.	15.2	15.1	15.2	14.4	15.9	15.8	15.8	14.6	17.2	17.1	16.2	15.0
	K.W	1.62	1.62	1.61	1.59	1.63	1.63	1.62	1.61	1.66	1.66	1.66	1.65
125	T.C.	18.4	16.6	15.1	14.1	18.4	16.9	15.5	14.2	18.6	17.1	15.9	14.6
	S.C.	14.8	14.6	14.7	13.5	15.5	15.4	15.3	13.7	16.8	16.7	15.2	14.1
	K.W	1.72	1.72	1.70	1.68	1.73	1.73	1.72	1.70	1.77	1.77	1.76	1.75
NOTE: ALL CAPACITIES ARE NET WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.													

Multipliers for determining the performance with other indoor sections.

Air Handler	Coil	T.C.	S.C.	KW
N1VSB12	G2FD036S17	0.91	0.96	1.03
N1VSC16	G2FD042S21	0.97	0.96	1.02
N1VSC16	G2FD036S21	0.97	0.96	1.02
N1VSD20	G2FD048S24	1.00	1.03	1.00
	G1HD048	0.97	1.00	1.17
	GUA048S17,21	0.93	1.00	1.12
	G2FD036S17,21	0.93	0.96	1.16
	G2FD042S21	0.93	0.96	1.16
	G2FD046S17	0.93	0.96	1.16
	G1FA048S21,24	0.93	1.00	1.03
	GFA048S17,21	0.93	1.00	1.12
	G1UA048S21,24	0.93	1.00	1.03

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P1XUB12V055	G1FA048S17	0.97	0.96	1.04
P1XUB12V055	G1UA048S17	0.97	0.96	1.04
P1XUB12V055	G2FD036S17	0.97	0.96	1.04
P1XUB12V055	G2FD046S17	0.97	0.96	1.04
P1DUB16V080	G1FA048S17	0.97	0.96	1.04
P1DUB16V080	G1UA048S17	0.97	0.96	1.04
P1DUB16V080	G2FD036S17	0.97	0.96	1.05
P1DUB16V080	G2FD046S17	0.97	0.96	1.05
P1XUC16V075	G1FA048S21	1.02	1.00	1.04
P1XUC16V075	G1UA048S21	1.02	1.00	1.04
P1XUC16V075	G2FD036S21	0.99	0.96	1.05
P1XUC16V075	G2FD042S21	0.99	0.96	1.05
P1XUC16V075	G2FD048S21	1.02	1.00	1.04
P1DUC20V096	G1FA048S21	1.02	0.96	1.03
P1XUC20V095	G1FA048S21	1.02	0.96	1.03
P1DUC20V096	G1UA048S21	1.02	0.96	1.03
P1XUC20V095	G1UA048S21	1.02	0.96	1.03
P1DUC20V096	G2FD036S21	0.99	0.99	1.04
P1XUC20V095	G2FD036S21	0.99	0.99	1.04
P1XUC20V095	G2FD042S21	0.99	0.99	1.04
P1DUC20V096	G2FD042S21	0.99	0.99	1.04
P1DUC20V096	G2FD048S21	1.02	1.00	1.03
P1XUC20V095	G2FD048S21	1.02	1.00	1.03
P1XUD20V112	G2FD048S24	1.02	1.00	1.03

COOLING PERFORMANCE DATA - HIGH CFM 2-CYLINDER OPERATION													
AIR CONDITIONER MODEL NO.		H4TS036S06											
INDOOR COIL MODEL NO.		G2FD048S21+N1VSC16											
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	1100				1200				1300			
	ID DB (°F)	85	80	75	70	85	80	75	70	85	80	75	70
	ID WB (°F)	72	67	62	57	72	67	62	57	72	67	62	57
75	T.C.	42.2	38.7	35.2	32.0	42.6	39.1	35.7	32.6	43.0	39.5	36.0	33.0
	S.C.	25.8	25.9	26.1	26.1	26.8	26.9	27.1	27.4	27.7	27.8	28.1	28.3
	K.W.	2.49	2.46	2.43	2.41	2.52	2.50	2.48	2.45	2.57	2.54	2.51	2.48
85	T.C.	40.9	37.5	34.1	31.1	41.3	37.9	34.6	31.5	41.7	38.2	35.0	31.9
	S.C.	25.9	25.9	26.1	26.3	26.9	27.0	27.4	27.3	28.0	28.0	28.4	28.4
	K.W.	2.68	2.65	2.61	2.56	2.72	2.69	2.65	2.61	2.76	2.73	2.69	2.65
95	T.C.	39.0	35.7	32.4	29.4	39.3	36.0	32.8	29.8	39.7	36.4	33.2	30.3
	S.C.	25.5	25.5	25.7	25.7	26.6	26.6	26.9	26.8	27.9	27.9	28.1	28.1
	K.W.	2.88	2.84	2.79	2.74	2.92	2.88	2.83	2.78	2.96	2.92	2.87	2.82
105	T.C.	36.8	33.6	30.5	27.7	37.0	33.9	30.8	28.1	37.3	34.2	31.2	28.8
	S.C.	24.9	24.9	25.1	25.1	26.0	26.0	26.2	26.2	27.2	27.2	27.5	27.4
	K.W.	3.08	3.02	2.95	2.89	3.12	3.07	3.01	2.94	3.17	3.11	3.05	2.99
115	T.C.	34.5	31.5	28.6	25.9	34.7	31.9	28.9	26.6	35.1	32.0	29.2	27.1
	S.C.	24.1	24.1	24.2	24.2	25.3	25.4	25.5	25.4	26.6	26.4	26.6	25.8
	K.W.	3.27	3.21	3.13	3.05	3.32	3.25	3.17	3.11	3.36	3.29	3.22	3.16
125	T.C.	32.2	29.4	26.7	24.1	32.4	29.9	27.0	25.1	32.9	29.8	27.2	25.4
	S.C.	23.3	23.3	23.3	23.3	24.6	24.8	24.8	24.6	26.0	25.6	25.7	24.2
	K.W.	3.46	3.40	3.30	3.20	3.51	3.43	3.33	3.27	3.55	3.48	3.39	3.32
NOTE: ALL CAPACITIES ARE NET WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.													

Multipliers for determining the performance with other indoor sections.

Air Handler	Coil	T.C.	S.C.	KW
N1VSB12	G2FD036S17	0.94	0.96	1.06
N1VSC16	G2FD036S21	0.97	0.98	1.07
N1VSC16	G2FD042S21	0.97	0.98	1.08
N1VSD20	G2FD048S24	1.00	1.03	1.00
	G1HD048	0.97	1.00	1.10
	GUA048S17,21	0.97	1.00	1.10
	G2FD036S17,21	0.94	0.98	1.14
	G2FD042S21	0.94	0.98	1.14
	G2FD046S17	0.94	0.98	1.14
	G1FA048S21,24	0.97	1.00	1.01
	GFA048S17,21	0.97	1.00	1.10
	G1UA048S21,24	0.97	1.00	1.01

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P1XUB12V055	G1FA048S17	0.97	0.98	1.10
P1XUB12V055	G1UA048S17	0.97	0.98	1.10
P1XUB12V055	G2FD036S17	0.97	0.98	1.10
P1XUB12V055	G2FD046S17	0.97	0.98	1.07
P1DUB16V080	G1FA048S17	0.97	0.98	1.10
P1DUB16V080	G1UA048S17	0.97	0.98	1.10
P1DUB16V080	G2FD036S17	0.97	0.98	1.10
P1DUB16V080	G2FD046S17	0.97	0.98	1.07
P1XUC16V075	G1FA048S21	1.02	1.02	1.10
P1XUC16V075	G1UA048S21	1.02	1.02	1.10
P1XUC16V075	G2FD036S21	0.98	0.98	1.08
P1XUC16V075	G2FD042S21	0.98	0.98	1.11
P1XUC16V075	G2FD048S21	1.02	1.02	1.10
P1DUC20V096	G1FA048S21	1.03	1.02	1.11
P1DUC20V096	G1UA048S21	1.03	1.02	1.11
P1XUC20V095	G1FA048S21	1.03	1.02	1.11
P1XUC20V095	G1UA048S21	1.03	1.02	1.11
P1DUC20V096	G2FD036S21	0.98	0.98	1.08
P1XUC20V095	G2FD036S21	0.98	0.98	1.08
P1XUC20V095	G2FD042S21	0.98	0.98	1.11
P1DUC20V096	G2FD042S21	0.98	0.98	1.08
P1DUC20V096	G2FD048S21	1.03	1.02	1.11
P1XUC20V095	G2FD048S21	1.03	1.02	1.11
P1XUD20V112	G2FD048S24	1.03	1.02	1.11

COOLING PERFORMANCE DATA - LOW CFM 1-CYLINDER OPERATION													
AIR CONDITIONER MODEL NO.		H4TS048S06											
INDOOR COIL MODEL NO.		G2FD048S24+N1VSD20											
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	1450				1600				1750			
	ID DB (°F)	85	80	75	70	85	80	75	70	85	80	75	70
	ID WB (°F)	72	67	62	57	72	67	62	57	72	67	62	57
75	T.C.	29.2	26.7	24.3	21.9	29.5	27.1	24.6	22.4	29.7	27.4	24.9	22.8
	S.C.	19.4	19.4	19.6	19.5	20.5	20.6	20.7	20.7	21.5	21.6	21.7	21.7
	K.W.	1.43	1.43	1.42	1.41	1.46	1.46	1.45	1.44	1.49	1.49	1.48	1.48
85	T.C.	27.7	25.3	23.0	20.8	28.0	25.7	23.3	21.2	28.4	25.9	23.5	21.8
	S.C.	18.9	18.8	19.0	19.1	20.0	20.0	20.1	20.0	21.1	21.0	21.0	20.7
	K.W.	1.57	1.56	1.54	1.53	1.60	1.59	1.57	1.56	1.64	1.62	1.61	1.59
95	T.C.	26.1	23.9	21.7	19.7	26.3	24.2	22.0	20.2	26.7	24.4	22.3	20.6
	S.C.	18.3	18.3	18.5	18.4	19.4	19.4	19.5	19.2	20.6	20.4	20.6	19.6
	K.W.	1.69	1.68	1.66	1.63	1.72	1.71	1.69	1.67	1.76	1.74	1.73	1.71
105	T.C.	24.5	22.5	20.3	18.6	24.9	22.7	20.7	19.1	25.1	22.8	21.0	19.4
	S.C.	17.8	17.8	17.8	17.7	18.9	18.8	19.0	18.0	19.9	19.8	20.0	18.4
	K.W.	1.81	1.78	1.76	1.73	1.84	1.82	1.80	1.77	1.88	1.85	1.83	1.81
115	T.C.	22.9	20.9	18.9	17.4	23.1	21.2	19.3	17.8	23.3	21.3	19.7	18.1
	S.C.	17.3	17.2	17.2	16.6	18.3	18.1	18.2	17.0	19.3	19.1	18.7	17.3
	K.W.	1.92	1.88	1.85	1.83	1.95	1.92	1.89	1.86	1.99	1.95	1.93	1.90
125	T.C.	21.4	19.4	17.4	16.3	21.4	19.7	17.8	16.6	21.6	19.7	18.5	16.8
	S.C.	16.8	16.6	16.5	15.5	17.8	17.5	17.5	15.9	18.7	18.4	17.5	16.1
	K.W.	2.03	1.98	1.94	1.92	2.06	2.02	1.98	1.96	2.09	2.05	2.03	1.99
NOTE: ALL CAPACITIES ARE NET WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.													

Multipliers for determining the performance with other indoor sections.

Air Handler	Coil	T.C.	S.C.	KW
N1VSC16	G2FD048S21	1.00	1.03	1.01
N1VSD20	G2FD060S24	1.02	1.12	1.08
F2FV060		1.02	1.12	1.08
F2RP/F2FP048		0.99	1.03	0.96
F2RP/F2FP060		1.03	1.10	1.03
	G1HD060	1.01	1.03	1.17
	G1FA048S21	1.01	1.03	1.17
	G1FA060S21,24	0.99	1.03	1.15
	GFD048S21,24	0.99	1.03	1.15
	G2FD060S24	1.01	1.08	1.17
	G1UA048S21	1.01	1.03	1.17
	G1UA060S21,24	0.99	1.03	1.15

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P1DUC20V096	G1FA048S21	0.99	0.98	1.04
P1DUC20V096	G1UA048S21	0.99	0.98	1.04
P1XUC16V075	G1FA048S21	0.99	0.98	1.04
P1XUC16V075	G1UA048S21	0.99	0.98	1.04
P1XUC20V095	G1FA048S21	0.99	0.98	1.03
P1XUC20V095	G1UA048S21	0.99	0.98	1.03
P1DUC20V096	G1FA060S21	1.03	1.03	1.10
P1DUC20V096	G1UA060S21	1.03	1.03	1.10
P1XUC16V075	G1FA060S21	1.03	1.03	1.11
P1XUC16V075	G1UA060S21	1.03	1.03	1.11
P1XUC20V095	G1FA060S21	1.03	1.03	1.10
P1XUC20V095	G1UA060S21	1.03	1.03	1.10
P1DUC20V096	G2FD048S21	0.99	0.98	1.01
P1XUC16V075	G2FD048S21	0.99	0.98	1.03
P1XUC20V095	G2FD048S21	0.99	0.98	1.01
P1XUD20V112	G1FA060S24	1.04	1.04	1.07
P1XUD20V112	G1UA060S24	1.04	1.04	1.07
P1XUD20V112	G2FD048S24	0.99	0.98	1.01
P1XUD20V112	G2FD060S24	1.04	1.04	1.07

COOLING PERFORMANCE DATA - HIGH CFM 2-CYLINDER OPERATION													
AIR CONDITIONER MODEL NO.		H4TS048S06											
INDOOR COIL MODEL NO.		G2FD048S24+N1VSD20											
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	1450				1600				1750			
	ID DB (°F)	85	80	75	70	85	80	75	70	85	80	75	70
	ID WB (°F)	72	67	62	57	72	67	62	57	72	67	62	57
75	T.C.	56.5	51.9	47.1	42.8	57.2	52.4	47.8	43.7	57.8	53.0	48.3	44.3
	S.C.	35.4	35.5	35.8	35.9	36.8	36.9	37.3	37.7	38.3	38.4	38.8	39.1
	K.W.	4.04	3.95	3.86	3.77	4.11	4.02	3.94	3.85	4.18	4.10	4.00	3.92
85	T.C.	54.0	49.4	45.0	41.0	54.6	50.0	45.5	41.6	55.1	50.5	45.9	42.2
	S.C.	34.4	34.5	34.8	35.1	35.9	36.0	36.3	36.5	37.3	37.3	37.7	37.9
	K.W.	4.29	3.41	4.08	3.97	4.37	4.27	4.16	4.05	4.44	4.34	4.23	4.12
95	T.C.	51.4	47.0	42.7	38.9	51.9	47.5	43.1	39.5	52.3	47.9	43.9	39.9
	S.C.	33.4	33.4	33.7	33.9	34.9	34.9	35.2	35.4	36.3	36.3	36.9	36.7
	K.W.	4.58	4.44	4.31	4.19	4.65	4.52	4.39	4.27	4.72	4.59	4.47	4.35
105	T.C.	48.6	44.4	40.2	36.6	49.1	44.9	41.0	37.2	49.4	45.2	41.4	37.9
	S.C.	32.4	32.4	32.6	32.7	33.8	33.8	34.4	34.1	35.2	35.2	35.8	36.0
	K.W.	4.85	4.71	4.74	4.41	4.93	4.79	4.64	4.49	5.01	4.86	4.72	4.58
115	T.C.	45.8	41.8	38.0	34.4	46.1	42.2	38.5	35.1	46.5	42.5	38.9	35.6
	S.C.	31.3	31.2	31.8	31.5	32.8	32.7	33.2	33.3	34.1	34.0	34.5	34.4
	K.W.	5.13	4.95	4.78	4.61	5.21	5.03	4.87	4.71	5.28	5.11	4.95	4.79
125	T.C.	42.9	39.2	35.8	32.2	43.2	39.5	36.0	33.0	43.6	39.7	36.4	33.3
	S.C.	30.2	30.1	31.0	30.3	31.7	31.5	31.9	32.6	33.1	32.9	33.3	32.9
	K.W.	5.41	5.20	4.83	4.82	5.49	5.28	5.11	4.94	5.55	5.37	5.19	5.01
NOTE: ALL CAPACITIES ARE NET WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.													

Multipliers for determining the performance with other indoor sections.

Air Handler	Coil	T.C.	S.C.	KW
N1VSC16	G2FD048S21	1.00	1.03	1.01
N1VSD20	G2FD060S24	1.04	1.12	1.02
F2FV060		1.04	1.12	1.02
F2RP/F2FP048		1.01	1.03	0.87
F2RP/F2FP060		1.05	1.10	0.91
	G1HD060	1.03	1.07	1.03
	G1FA048S21	1.01	1.03	1.04
	G1FA060S21,24	1.01	1.03	1.04
	GFD048S21,24	1.01	1.03	1.04
	G2FD060S24	1.03	1.07	1.03
	G1UA048S21	1.01	1.03	1.04
	G1UA060S21,24	1.01	1.03	1.04

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P1DUC20V096	G1FA048S21	1.00	1.03	1.03
P1DUC20V096	G1UA048S21	1.00	1.03	1.03
P1XUC16V075	G1FA048S21	0.99	1.03	1.02
P1XUC16V075	G1UA048S21	0.99	1.03	1.02
P1XUC20V095	G1FA048S21	1.00	1.03	1.02
P1XUC20V095	G1UA048S21	1.00	1.03	1.02
P1DUC20V096	G1FA060S21	1.03	1.07	1.04
P1DUC20V096	G1UA060S21	1.03	1.07	1.04
P1XUC16V075	G1FA060S21	1.03	1.07	1.05
P1XUC16V075	G1UA060S21	1.03	1.07	1.05
P1XUC20V095	G1FA060S21	1.03	1.07	1.04
P1XUC20V095	G1UA060S21	1.03	1.07	1.04
P1DUC20V096	G2FD048S21	1.00	1.03	1.03
P1XUC16V075	G2FD048S21	0.99	1.03	1.02
P1XUC20V095	G2FD048S21	1.00	1.03	1.03
P1XUD20V112	G1FA060S24	1.04	1.07	1.04
P1XUD20V112	G1UA060S24	1.04	1.07	1.04
P1XUD20V112	G2FD048S24	1.00	1.03	1.02
P1XUD20V112	G2FD060S24	1.07	1.07	1.04

COOLING PERFORMANCE DATA - LOW CFM 1-CYLINDER OPERATION													
AIR CONDITIONER MODEL NO.		H4TS060S06											
INDOOR COIL MODEL NO.		G2FD061H24+N1VSD20											
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	1100				1200				1300			
	ID DB (°F)	85	80	75	70	85	80	75	70	85	80	75	70
	ID WB (°F)	72	67	62	57	72	67	62	57	72	67	62	57
75	T.C.	39.8	36.4	33.1	30.0	40.1	36.8	33.5	30.4	40.5	37.2	33.8	30.9
	S.C.	26.6	26.6	26.9	26.8	27.8	27.9	28.1	28.1	29.1	29.1	29.3	29.3
	K.W	1.94	1.94	1.95	1.94	1.97	1.97	1.98	1.97	2.00	2.01	2.01	2.01
85	T.C.	37.8	34.5	31.4	28.4	38.1	34.9	31.8	28.9	38.3	35.2	32.1	29.4
	S.C.	25.9	25.8	26.2	26.1	27.1	27.2	27.4	27.3	28.3	28.3	28.5	28.5
	K.W	2.15	2.22	2.12	2.10	2.19	2.18	2.16	2.15	2.21	2.21	2.19	2.17
95	T.C.	35.7	32.6	29.7	26.9	35.9	33.0	30.0	27.5	36.3	33.3	30.2	28.0
	S.C.	25.2	25.2	25.4	25.3	26.4	26.4	26.6	26.6	27.7	27.6	27.8	27.1
	K.W	2.35	2.32	2.29	2.26	2.39	2.36	2.33	2.30	2.42	2.39	2.36	2.33
105	T.C.	33.5	30.7	27.9	25.4	33.9	31.0	28.1	25.9	34.1	31.2	28.5	26.4
	S.C.	24.4	24.4	24.6	24.6	25.7	25.6	25.8	25.1	26.9	26.8	27.0	25.5
	K.W	2.53	2.50	2.45	2.40	2.57	2.53	2.49	2.45	2.61	2.57	2.52	2.49
115	T.C.	31.4	28.7	26.0	23.9	31.7	28.9	26.4	24.4	31.9	29.1	26.8	24.8
	S.C.	23.8	23.7	23.8	23.1	25.0	24.8	25.0	23.6	26.1	26.0	26.0	24.0
	K.W	2.71	2.66	2.59	2.54	2.75	2.70	2.64	2.59	2.79	2.74	2.68	2.63
125	T.C.	29.3	26.7	24.1	22.4	29.5	26.8	24.7	22.9	29.7	27.0	25.1	23.2
	S.C.	23.2	23.0	23.0	21.6	24.3	24.0	24.2	22.1	25.3	25.2	25.0	22.5
	K.W	2.89	2.82	2.74	2.68	2.93	2.87	2.80	2.74	2.97	2.91	2.83	2.78
NOTE: ALL CAPACITIES ARE NET WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.													

Multipliers for determining the performance with other indoor sections.

Air Handler	Coil	T.C.	S.C.	KW
N1VSD20	G2FD060S24	1.00	1.00	1.07
F2FV060		1.00	1.00	1.07
F2RP/F2FP060		0.97	1.00	0.96
	G1HD060	0.97	1.00	1.13
	G1FA060S21,24	0.97	1.00	1.13
	G2FD060S24	0.97	1.00	1.13
	G1UA060S21,24	0.97	1.00	1.13

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P1DUC20V096	G1FA060S21	1.00	1.00	1.11
P1DUC20V096	G1UA060S21	1.00	1.00	1.11
P1XUC20V095	G1FA060S21	1.00	1.00	1.12
P1XUC20V095	G1UA060S21	1.00	1.00	1.12
P1XUD20V112	G1FA060S24	1.00	1.00	1.07
P1XUD20V112	G1UA060S24	1.00	1.00	1.07
P1XUD20V112	G2FD060S24	1.00	1.00	1.07
P1XUD20V112	G2FD061H24	1.03	1.02	1.11

COOLING PERFORMANCE DATA - HIGH CFM 2-CYLINDER OPERATION													
AIR CONDITIONER MODEL NO.			H4TS060S06										
INDOOR COIL MODEL NO.			G2FD061H24+N1VSD20										
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	1700				1900				2000			
	ID DB (°F)	85	80	75	70	85	80	75	70	85	80	75	70
	ID WB (°F)	72	67	62	57	72	67	62	57	72	67	62	57
75	T.C.	70.7	64.9	59.1	53.9	71.5	65.7	59.9	54.9	71.9	66.1	60.3	55.3
	S.C.	44.1	44.3	44.8	44.9	46.3	46.4	46.9	47.3	47.4	47.5	48.1	48.5
	K.W.	4.95	4.79	4.62	4.47	5.07	4.90	4.72	4.58	5.11	4.94	4.78	4.63
85	T.C.	67.5	62.0	56.4	51.4	68.3	62.7	57.1	52.3	68.6	63.0	57.7	52.7
	S.C.	43.0	43.1	43.5	43.6	45.1	45.2	45.7	46.0	46.2	46.3	47.2	47.1
	K.W.	5.31	5.11	4.91	4.75	5.43	5.22	5.03	4.86	5.48	5.27	5.08	4.91
95	T.C.	64.3	58.9	53.5	48.8	64.9	59.5	54.5	49.6	65.2	59.8	54.8	49.9
	S.C.	41.8	41.9	42.3	42.3	43.9	44.0	44.8	44.7	45.0	45.1	45.9	45.8
	K.W.	5.67	5.45	5.22	5.04	5.79	5.56	5.34	5.14	5.85	5.62	5.40	5.20
105	T.C.	60.9	55.7	50.7	46.0	61.4	56.2	51.5	47.0	61.8	56.7	51.8	47.4
	S.C.	40.6	40.7	41.0	40.9	42.7	42.7	43.4	43.5	44.0	44.1	44.5	44.5
	K.W.	6.03	5.77	5.54	5.31	6.15	5.90	5.65	5.45	6.21	5.97	5.71	5.49
115	T.C.	57.2	52.3	47.6	43.2	57.9	53.1	48.4	44.2	58.0	53.4	48.6	45.2
	S.C.	39.3	39.2	39.6	39.5	41.7	41.9	42.0	41.9	42.6	42.9	43.1	43.6
	K.W.	6.39	6.10	5.84	5.58	6.50	6.23	5.94	5.72	6.57	6.28	6.01	5.83
125	T.C.	53.5	48.9	44.5	40.4	54.4	50.0	45.3	41.4	54.2	50.1	45.4	43.0
	S.C.	38.0	37.7	38.2	38.1	40.7	41.1	40.6	40.3	41.2	41.7	41.7	42.7
	K.W.	6.75	6.44	6.13	5.85	6.84	6.57	6.24	5.98	6.93	6.60	6.30	6.16
NOTE: ALL CAPACITIES ARE NET WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.													

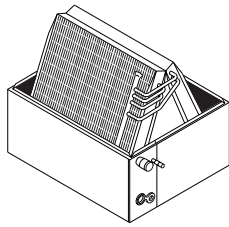
Multipliers for determining the performance with other indoor sections.

Air Handler	Coil	T.C.	S.C.	KW
N1VSD20	G2FD060S24	0.99	0.98	1.02
N1VSD20	G2FD061H24	1.00	1.00	1.00
F2FV060		0.99	0.98	1.02
F2RP/F2FP060		0.97	0.98	0.87
	G1HD060	0.97	0.98	1.02
	G1FA060S21,24	0.97	0.98	1.02
	G2FD060S24	0.97	0.98	1.02
	G1UA060S21,24	0.97	0.98	1.02

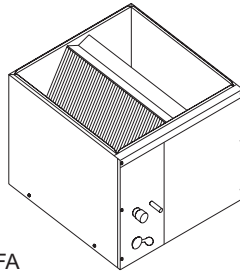
Variable Speed Furnace	Coil	T.C.	S.C.	KW
P1DUC20V096	G1FA060S21	0.99	0.98	1.06
P1DUC20V096	G1UA060S21	0.99	0.98	1.06
P1XUC20V095	G1FA060S21	0.99	0.98	1.06
P1XUC20V095	G1UA060S21	0.99	0.98	1.06
P1XUD20V112	G1FA060S24	0.99	0.98	1.02
P1XUD20V112	G1UA060S24	0.99	0.98	1.02
P1XUD20V112	G2FD060S24	0.99	0.98	1.02
P1XUD20V112	G2FD061H24	1.01	1.00	1.02

MATCHING INDOOR COMPONENTS

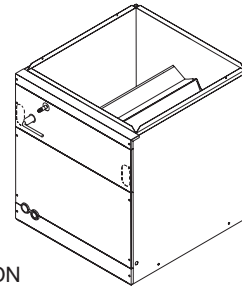
ADD-ON COILS - FOR FURNACE APPLICATIONS



G1UA
1/2 CASED
UPFLOW



G1FA
FULL CASED
UPFLOW

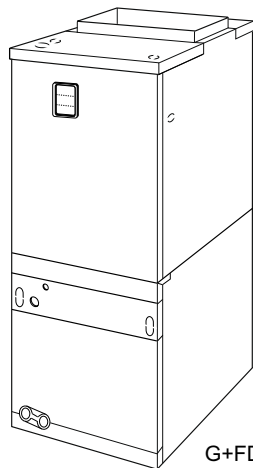


G2FD*
MULTI-POSITION
(UPFLOW, HORIZONTAL
AND DOWNFLOW)

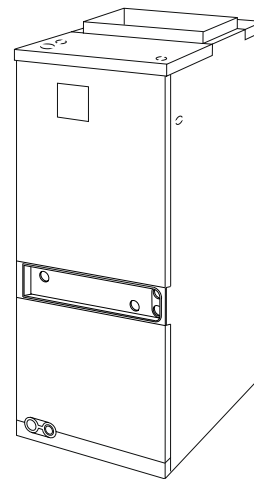
* Available with factory installed horizontal drain pan.

AIR HANDLERS - FOR NON-FURNACE APPLICATIONS

N-AH OR N-VS
MODULAR BLOWER
(UPFLOW, HORIZONTAL
AND DOWNFLOW)



G+FD
COIL



F+RC / F+FC OR
F+RC / F+FP
FAN COIL UNITS
(UPFLOW, HORIZONTAL)