YORK®
Heating and Air Conditioning

TECHNICAL GUIDE

AFFINITY
SPLIT-SYSTEM HEAT PUMPS
18 SEER – R-410A
MODELS:
YZH024 THRU 060
(2 THRU 5 NOMINAL TONS)

ARI PERFORMANCE CERTIFIED ARI Standard 210/240 Unitary Heat Pumps

ENERGY STAR

Good Housekeeping Promises

c UL us LISTED

ISO 9000 REGISTRATION ISO 9001 Certified Quality Management System

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

Visit us on the web at www.york.com

Additional rating information can be found at www.ari.org/aridirectory

DESCRIPTION

The YZHSeries unit is the outdoor part of a versatile heat pump system. It is designed to be custom matched with one of our complete line of evaporator sections, each designed to serve a specific function. Matching air handlers are available for upflow, downflow, and horizontal left or right application to provide a complete system. Electric heaters are available if required. Add-on coils are available for use with upflow, downflow, or horizontal furnaces. Field installed accessories are available as needed.

WARRANTY

5-year limited parts warranty.
10-year limited compressor warranty.
Premium System Warranty - Limited lifetime compressor and 10-year parts when matched with an approved York Affinity furnace or UPG air handler and coil.

FEATURES

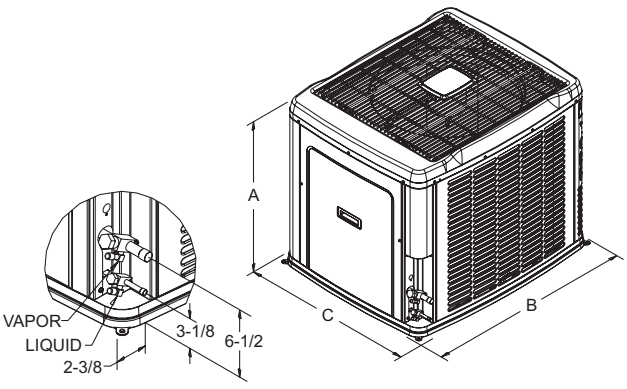
- **Superior Coil Protection –** A stamped decorative metal coil guard completely protects coil from debris and other large damaging material while a polymer mesh further protects the coil against smaller particles.
- **Isolated Compressor Compartment –** A molded composite bulkhead isolates the compressor from the rest of the unit reducing sound and vibration.
- **Protected Compressors –** Each compressor is protected against high and low pressure as well as excessive temperature. This is accomplished by by the simultaneous operation of a high pressure relief valve and temperature sensors which protect the compressor if undesirable conditions occur.
- **Environmentally Friendly Refrigerant –** Next generation refrigerant R-410A delivers environmentally friendly performance, with zero ozone depletion.
- **Durable Finish –** Automotive quality finish provides the ultimate protection from harmful U.V. rays as well as rust creep ensuring long-lasting high quality appearance. A powder-paint topcoat is applied over a baked-on primer, using a galvanized, zinc coated steel base material. The result is a finish that has been proven in testing to provide 33% greater durability than conventional powder-coat finishes.
- **Lower Installed Cost –** Designed to provide enhanced installability by featuring a slide-down control compartment allowing easy access to control components along with angled service valves to reduce overall installation time and cost.
- **Low Operating Sound Levels –** A fan design boasting technology adapted from aeronautic and defense engineering provides for whisper quiet operation by allowing airflow to flow smoothly and efficiently across the fan tips.
- **Filter-Drier** – A factory installed, solid core liquid line filter-drier filters harmful debris and moisture from the system.
- **Easy Service Access –** A full end, full service, access panel with handle makes for easy entry to internal components.
- **Long Lasting Operation –** Strong and durable composite base pan provides added strength while resisting rust and corrosion as well as reducing sound and vibration.
- **QuietDrive™ system -** The swept-wing fan, composite base pan, isolated compressor compartment and two-stage compressor are engineered as a system to reduce overall sound to a mere whisper.
- **Complete System Control –** All models utilize the exclusive microprocessor based, on-demand, defrost control system. This system provides optimal comfort, efficiency, and constant montoring of the entire system for reliable operation. defrost cycles occur only when necessary. an adjustable balance point insures supplemental heat is brought on only when required to meet the space load, for optimum efficiency and reliability.
- In the event improper operating conditions occur (high temperature and/or high pressure), the unit will automatically shut down to protect the refrigeration system, and switch to back-up heat. On-board diagnostic LED's guide the technician to the source of the problem, and an output signal from the control to the thermostat will alert the homeowner. The control also features non-volatile memory, which preserves trouble codes in the event of power loss. An anti-short cycle timer extends the life of the compressor by preventing short-cycling.

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

Physical and Electrical Data

MODEL		YZH02411	YZH03611	YZH04811	YZH06011
Unit Supply Voltage		208-230V, 1ϕ, 60Hz			
Normal Voltage Range [1]		187 to 252			
Minimum Circuit Ampacity		18.2	23.6	29.2	34.8
Max. Overcurrent Device Amps [2]		30	40	50	60
Min. Overcurrent Device Amps [3]		20	25	30	35
Multi-stage Compressor		Yes	Yes	Yes	Yes
Compressor Type		Scroll	Scroll	Scroll	Scroll
Compressor Amps	Rated Load	12.3	16.6	21.1	25.6
	Locked Rotor	52	82	96	118
Crankcase Heater		No	No	No	No
Fan Motor Amps	Rated Load	2.8	2.8	2.8	2.8
Fan Diameter Inches		24	24	24	24
Fan Motor	Rated HP	1/3	1/3	1/3	1/3
	Nominal RPM	685	685	685	685
	Nominal CFM	2,940	2,666	3,376	3,332
Coil	Face Area Sq. Ft.	23.58	23.58	23.58	23.58
	Rows Deep	2	2	2	2
	Fins / Inch	16	16	14	14
Liquid Line Set OD (Field Installed)		3/8	3/8	3/8	3/8
Vapor Line Set OD (Field Installed)		3/4	3/4	7/8	7/8
Unit Charge (Lbs. - Oz.) [4]		14 - 12	12 - 7	12 - 13	14 - 8
Charge Per Foot, Oz.		0.62	0.62	0.67	0.67
Operating Weight Lbs.		275	275	280	315

1. Rated in accordance with ARI Standard 110, utilization range “A”.
2. Dual element fuses or HACR circuit breaker. Maximum allowable overcurrent protection.
3. Dual element fuses or HACR circuit breaker. Minimum recommended overcurrent protection .
4. 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, using the difference in length multiplied by the per foot value.



All dimensions are in inches. They are subject to change without notice. Certified dimensions will be provided upon request.

Unit Model	Dimensions (Inches)			Refrigerant Connection Service Valve Size	
	A	B	C	Liquid	Vapor
024	39-1/2	42	34	3/8”	3/4”
036	39-1/2	42	34		
048	39-1/2	42	34		7/8”
060	39-1/2	42	34		

Additional R-410A Charge / TXV Size for Various Matched Systems

Outdoor Unit	YZH02411	YZH03611	YZH04811	YZH06011
Approved System Thermal Expansion Valve[1]	1TVM903	1TVM906	1TVM906	1TMV906
Factory R-410A Charge, lbs-oz	14 - 12	12 - 7	12 - 13	14 - 8

Indoor Coil[2]	**TXV Kit[3] - Additional Charge, Oz**			
FC/MC/PC43B	0	0	–	–
FC/MC/PC43C	–	0	–	–
FC/MC/PC48C	–	0	0	–
FC/MC/PC48D	+4	0	0	–
FC/PC60C	+8	+4	+4	0
FC/MC/PC60D	+8	+4	+4	0
FC/MC62D	–	+8	+8	+4
HC42	–	0	–	–
AV36	0	0	–	–
AV/SV48	–	+4	0	–
AV/SV60	–	–	+4	0

FOOTNOTES:

1. Systems matched with furnace or air handlers not equipped with blower-off delays may require blower Time Delay Kit 2FD06700224.
2. PC coils cannot be used in downflow or horizontal applications. FC coils cannot be used in horizontal applications.
3. A TXV kit must be used with these coils to obtain system performance.

Note: If a TXV is factory installed on the coil, it must be replaced with the listed TXV.

PROCEDURES:

1. Unit factory charge listed on the unit nameplate includes refrigerant for the condenser, the smallest evaporator and 15 feet of interconnecting line tubing.
2. Verify the TXV and additional charge required for specific evaporator coil in the system using the above table.
3. Additional charge for the amount of interconnecting line tubing greater than 15 feet at the rate specified in the Physical and Electrical Data Table.
4. Permanently mark the unit nameplate with the total system charge. Total System Charge = Base Charge (as shipped) + adder for evaporator + adder for line set.

COOLING CAPACITY - With Air Handler Coils

UNIT MODEL	AIR HANDLER		COIL[1] MODEL	COOLING					
	MODEL	W		STAGE	RATED CFM	NET MBH		SEER	EER
						TOTAL	SENSIBLE		
18 SEER HP WITH MV - VARIABLE SPEED									
YZH02411	MV12B	17	FC/MC43B	1	645	18.2	13.5	16.40	14.00
				2	835	23.6	18.8		13.60
	MV12D	24	FC/MC48D	1	645	18.5	14.0	17.00	14.50
				2	835	24.0	19.5		14.00
	MV12D	24	FC/MC60D	1	645	18.5	14.0	17.00	14.50
				2	835	24.0	19.5		14.00
YZH03611	MV16C	21	FC/MC43C	1	775	24.8	18.2	17.10	14.20
				2	1200	35.4	26.6		13.10
	MV16C	21	FC/MC48C	1	775	25.0	18.6	17.30	14.40
				2	1200	35.8	26.8		13.35
	MV12D	24	FC/MC48D	1	845	24.8	18.0	17.35	14.45
				2	1245	35.2	26.2		13.35
	MV12D	24	FC/MC60D	1	845	24.8	18.3	17.50	14.60
				2	1245	35.4	26.4		13.35
	MV12D	24	FC/MC62D	1	845	25.6	19.7	18.00	15.00
				2	1245	36.0	27.8		13.35
YZH04811	MV16C	21	FC/MC48C	1	1000	33.4	25.0	16.65	13.60
				2	1600	46.5	35.6		12.20
	MV20D	24	FC/MC48D	1	1045	33.4	25.0	16.30	13.35
				2	1570	46.5	35.6		12.05
	MV20D	24	FC/MC60D	1	1045	33.0	25.0	16.20	13.25
				2	1570	47.0	36.4		12.25
	MV20D	24	FC/MC62D	1	1045	33.8	25.8	17.00	13.90
				2	1570	47.0	36.6		12.50
YZH06011	MV20D	24	FC/MC60D	1	1175	39.5	27.6	14.75	12.20
				2	1820	57.0	42.0		11.35
	MV20D	24	FC/MC62D	1	1175	41.0	29.8	15.50	12.80
				2	1820	57.0	43.0		11.80
18 SEER HP WITH AV/SV - VARIABLE SPEED									
YZH02411	AV36	21	-	1	600	18.1	13.5	16.65	14.20
				2	765	23.4	18.5		13.70
YZH03611	AV36	21	-	1	830	25.2	19.0	17.45	14.55
				2	1270	35.4	27.4		13.40
	AV/SV48	24	-	1	910	25.8	20.4	17.65	14.70
				2	1190	35.4	27.0		13.60
YZH04811	AV/SV48	24	-	1	1135	34.0	26.4	16.75	13.70
				2	1610	47.0	36.4		12.30
	AV/SV60	24	-	1	1085	33.6	26.0	16.55	13.55
				2	1655	47.0	37.0		12.30
YZH06011	AV/SV60	24	-	1	1145	40.5	29.0	15.15	12.50
				2	1765	56.5	41.5		11.50

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.
EER (Energy Efficiency Ratio) is the total cooling output in BTU's at 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.

1. MC coils available with a factory installed horizontal drain pan. See price pages for specific model number.

COOLING CAPACITY - With Variable Speed Furnaces

UNIT MODEL	VARIABLE SPEED FURNACE MODEL	COIL MODEL[1]	W	COOLING					
				STAGE	RATED CFM	NET MBH		SEER	EER
						TOTAL	SENSIBLE		
YZH02411	P(C,V)9*B12	FC/MC/PC43B	17	1	560	18.0	12.9	16.6O	14.10
				2	820	23.6	18.9		13.30
YZH03611	P(C,V)8*B16	FC/MC/PC43B	17	1	750	24.6	18.1	17.0O	14.20
				2	1200	35.2	26.4		13.40
	P(C,V)8*C16	FC/MC/PC43C	21	1	640	23.8	16.6	16.9O	14.05
				2	1200	35.4	26.6		13.45
	P(C,V)8*C20	FC/MC/PC43C	21	1	780	24.6	18.3	17.0O	14.15
				2	1200	35.2	26.4		13.50
	P(C,V)9*B12	FC/MC/PC43B	17	1	770	24.6	18.4	16.9O	14.05
				2	1185	35.0	26.2		12.90
	P(C,V)9*C16	FC/MC/PC43C	21	1	770	24.8	18.2	17.4O	14.50
				2	1175	35.0	26.4		13.35
	P(C,V)9*C20	FC/MC/PC43C	21	1	790	24.8	18.4	17.1O	14.20
				2	1195	35.2	26.4		13.30
	P(C,V)8*C16	FC/MC/PC48C	21	1	640	24.0	16.9	17.1O	14.25
				2	1200	35.6	26.8		13.65
	P(C,V)8*C20	FC/MC/PC48C	21	1	780	24.8	18.5	17.2O	14.30
				2	1200	35.4	26.6		13.60
	P(C,V)9*C16	FC/MC/PC48C	21	1	770	25.0	18.4	17.5O	14.60
				2	1175	35.4	26.6		13.45
	P(C,V)9*C20	FC/MC/PC48C	21	1	790	25.0	18.6	17.2O	14.30
				2	1195	35.4	26.6		15.00
	P(C,V)9*D20	FC/MC/PC48D	24	1	775	25.0	18.6	17.3O	14.40
				2	1220	35.6	27.0		13.50
	P(C,V)8*C16	FC/PC60C	21	1	640	24.2	17.1	17.2O	14.35
				2	1200	35.4	27.0		13.55
	P(C,V)8*C20	FC/PC60C	21	1	780	25.0	18.8	17.3O	14.40
				2	1200	35.2	27.0		13.45
	P(C,V)9*C16	FC/PC60C	21	1	770	25.0	18.7	17.5O	14.55
				2	1175	35.0	26.6		13.30
	P(C,V)9*C20	FC/PC60C	21	1	790	25.0	18.9	17.3O	14.40
				2	1195	35.0	26.8		13.25
	P(C,V)9*D20	FC/MC/PC60D	24	1	775	25.0	18.7	17.3O	14.40
				2	1220	35.2	27.0		13.40
	P(C,V)8*C20	FC/MC62D	21	1	780	24.8	18.5	17.3O	14.40
				2	1200	35.6	27.2		13.75
	P(C,V)9*C20	FC/MC62D	21	1	790	25.0	18.7	17.3O	14.40
				2	1195	35.8	27.2		13.55
	P(C,V)9*D20	FC/MC62D	24	1	775	25.0	18.7	17.4O	14.45
				2	1220	36.0	27.4		13.65
	P(C,V)8*C16	HC42	21	1	640	23.8	16.8	16.9O	14.05
				2	1200	35.2	26.4		13.45
	P(C,V)8*C20	HC42	21	1	780	24.6	18.3	17.1O	14.20
				2	1200	35.0	26.2		13.45
	P(C,V)9*C16	HC42	21	1	770	24.8	18.2	17.4O	14.50
				2	1175	35.2	26.4		13.40
	P(C,V)9*C20	HC42	21	1	790	25.0	18.5	17.0O	14.20
				2	1195	35.2	26.4		13.30

For Notes, See Page 6.

COOLING CAPACITY - With Variable Speed Furnaces (Continued)

UNIT MODEL	VARIABLE SPEED FURNACE MODEL	COIL MODEL[1]	W	COOLING					
				STAGE	RATED CFM	NET MBH		SEER	EER
						TOTAL	SENSIBLE		
YZH04811	P(C,V)8*C16	FC/MC/PC48C	21	1	880	33.0	23.4	16.3O	13.30
				2	1500	46.0	34.6		11.70
	P(C,V)8*C20	FC/MC/PC48C	21	1	1030	33.0	25.0	16.4O	13.40
				2	1610	46.5	35.4		11.80
	P(C,V)9*C16	FC/MC/PC48C	21	1	1090	34.0	26.0	16.9O	13.86
				2	1600	46.0	35.2		11.60
	P(C,V)9*C20	FC/MC/PC48C	21	1	1010	33.0	24.6	16.2O	13.20
				2	1580	46.0	35.2		11.70
	P(C,V)9*D20	FC/MC/PC48D	24	1	985	33.2	24.4	16.3O	13.35
				2	1560	46.0	35.2		11.85
	P(C,V)8*C16	FC/PC60C	21	1	880	32.2	23.6	16.3O	13.30
				2	1500	46.0	35.0		11.80
	P(C,V)8*C20	FC/PC60C	21	1	1030	33.2	25.3	16.4O	13.40
				2	1610	46.5	36.2		11.90
	P(C,V)9*C16	FC/PC60C	21	1	1090	33.6	26.0	16.8O	13.75
				2	1600	46.5	35.8		11.70
	P(C,V)9*C20	FC/PC60C	21	1	1010	33.0	25.0	16.3O	13.30
				2	1580	46.5	35.8		11.90
	P(C,V)9*D20	FC/MC/PC60D	24	1	985	33.0	24.5	16.3O	13.30
				2	1560	46.5	35.8		12.00
	P(C,V)8*C20	FC/MC62D	21	1	1030	33.6	25.4	16.7O	13.60
				2	1610	46.5	36.0		11.85
	P(C,V)9*C20	FC/MC62D	21	1	1010	33.2	25.2	16.4O	13.35
				2	1580	46.0	36.0		11.80
	P(C,V)9*D20	FC/MC62D	24	1	985	33.0	24.8	16.4O	13.35
				2	1560	47.0	35.8		12.06
YZH06011	P(C,V)8*C20	FC/PC60C	21	1	1120	40.0	28.6	15.0O	12.35
				2	1730	56.0	41.0		11.25
	P(C,V)9*C20	FC/PC60C	21	1	1075	39.5	28.0	14.7O	12.15
				2	1650	55.0	40.0		11.20
	P(C,V)9*D20	FC/MC/PC60D	24	1	1020	39.0	27.4	14.7O	12.15
				2	1620	55.0	40.0		11.35
	P(C,V)8*C20	FC/MC62D	21	1	1120	40.0	29.0	15.0O	12.40
				2	1730	56.0	41.5		11.25
	P(C,V)9*C20	FC/MC62D	21	1	1075	40.0	28.4	14.8O	12.25
				2	1650	55.5	40.5		11.25
	P(C,V)9*D20	FC/MC62D	24	1	1020	39.5	27.6	14.8O	12.20
				2	1620	55.5	40.0		11.40

1. MC coils available with a factory installed horizontal drain pan. See price pages for specific model number.

HEATING CAPACITY - With Air Handler

UNIT MODEL	AIR HANDLER MODEL	COIL[1] MODEL	W	HEATING					
				STAGE	RATED CFM	NET MBH 47 OD	NET MBH 17 OD	HSPF	COP @ 47
18 SEER HP WITH MV - VARIABLE SPEED									
YZH02411	MV12B	FC/MC43B	17	1	645	19.3	-	-	4.0
				2	835	24.0	17.0	9.6	4.0
				2	645	24.0	15.2	9.3	3.4
	MV12D	FC/MC48D	24	1	645	19.3	-	-	4.0
				2	835	24.0	16.8	9.8	4.0
				2	645	24.0	15.0	9.5	3.4
	MV12D	FC/MC60D	24	1	645	19.3	-	-	4.0
				2	835	24.0	16.8	9.8	4.0
				2	645	24.0	15.0	9.5	3.4
YZH03611	MV16C	FC/MC43C	21	1	775	26.4	-	-	4.2
				2	1200	36.0	25.8	10	4.4
				2	775	36.0	24.0	9.7	3.4
	MV16C	FC/MC48C	21	1	775	26.4	-	-	4.2
				2	1200	36.0	25.8	10	4.4
				2	775	36.0	24.0	9.7	3.4
	MV12D	FC/MC48D	24	1	845	26.4	-	-	4.2
				2	1245	36.0	25.8	10	4.4
				2	845	36.0	24.0	9.7	3.4
	MV12D	FC/MC60D	24	1	845	26.4	-	-	4.2
				2	1245	36.0	25.8	10	4.4
				2	845	36.0	24.0	9.7	3.4
	MV12D	FC/MC62D	24	1	845	26.4	-	-	4.2
				2	1245	36.0	25.8	10	4.4
				2	845	36.0	24.0	9.7	3.4
YZH04811	MV16C	FC/MC48C	21	1	1000	35.6	-	-	3.6
				2	1600	48.0	32.6	9.3	3.8
				2	1000	38.0	25.4	9	3.0
	MV20D	FC/MC48D	24	1	1045	36.0	-	-	3.6
				2	1570	48.0	32.6	9.3	3.8
				2	1045	38.0	25.6	9	3.0
	MV20D	FC/MC60D	24	1	1045	36.0	-	-	3.8
				2	1570	48.0	32.4	9.8	4.0
				2	1045	38.5	25.8	9.5	3.2
	MV20D	FC/MC62D	24	1	1045	35.8	-	-	3.8
				2	1570	48.0	32.0	9.8	4.0
				2	1045	38.0	25.0	9.5	3.2
YZH06011	MV20D	FC/MC60D	24	1	1175	43.0	-	-	3.4
				2	1820	58.0	39.5	9.3	3.8
				2	1175	46.5	27.4	9	3.0
	MV20D	FC/MC62D	24	1	1175	43.0	-	-	3.4
				2	1820	58.0	39.0	9.3	3.8
				2	1175	46.0	27.0	9	3.0
18 SEER HP WITH AV/SV - VARIABLE SPEED									
YZH02411	AV36	-	21	1	600	19.2	-	-	3.8
				2	765	24.0	16.9	9.6	4.0
				2	600	24.0	15.1	9.3	3.2
YZH03611	AV36	-	21	1	830	26.5	-	-	4.2
				2	1270	36.0	26.6	9.6	4.2
				2	830	36.0	24.4	9.3	4.2
	AV/SV48	-	24	1	910	27.0	-	-	4.6
				2	1190	36.0	26.2	10	4.6
				2	910	36.0	24.4	9.7	3.6
YZH04811	AV/SV48	-	24	1	1135	36.2	-	-	4.0
				2	1610	48.0	32.4	9.8	4.0
				2	1135	38.5	25.6	9.5	3.4
	AV/SV60	-	24	1	1085	36.0	-	-	4.0
				2	1655	48.0	32.6	9.8	4.0
				2	1085	39.0	25.8	9.5	3.4
YZH06011	AV/SV60	-	24	1	1145	43.0	-	-	3.6
				2	1765	58.0	39.4	9.3	3.8
				2	1145	46.5	27.2	9	3.0

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.
EER (Energy Efficiency Ratio) is the total cooling output in BTU's at 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.

1. MC coils available with a factory installed horizontal drain pan. See price pages for specific model number.

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

HEATING CAPACITY - With Variable Speed Furnaces

UNIT MODEL	VARIABLE SPEED FURNACE MODEL	COIL MODEL[1]	W	HEATING					
				STAGE	RATED CFM	NET MBH		HSPF	COP @ 47
						47 OD	17 OD		
YZH02411	P(C,V)9*B12	FC/MC/PC43B	17	1	560	19.1	-	-	3.80
				2	820	24.2	17.1	9.6	3.90
				2	560	23.8	15.0	9.3	3.20
YZH03611	P(C,V)8*B16	FC/MC/PC43B	17	1	750	26.4	-	-	4.00
				2	1200	36.0	26.6	9.35	4.20
				2	750	36.0	24.6	9	3.20
	P(C,V)8*C16	FC/MC/PC43C	21	1	640	26.0	-	-	3.80
				2	1200	36.0	26.4	9.35	4.20
				2	640	36.0	24.4	9	3.00
	P(C,V)8*C20	FC/MC/PC43C	21	1	780	26.4	-	-	4.00
				2	1200	36.0	26.4	9.55	4.20
				2	780	36.0	24.4	9.2	3.20
	P(C,V)9*B12	FC/MC/PC43B	17	1	770	26.4	-	-	4.00
				2	1185	36.0	26.8	9.55	4.20
				2	770	36.0	24.6	9.2	3.20
	P(C,V)9*C16	FC/MC/PC43C	21	1	770	26.4	-	-	4.00
				2	1175	36.0	26.4	9.55	4.20
				2	770	36.0	24.4	9.2	3.20
	P(C,V)9*C20	FC/MC/PC43C	21	1	790	26.6	-	-	4.00
				2	1195	36.0	26.6	9.55	4.20
				2	790	36.0	24.4	9.2	3.20
	P(C,V)8*C16	FC/MC/PC48C	21	1	640	26.0	-	-	3.80
				2	1200	36.0	26.4	9.55	4.20
				2	640	36.0	24.4	9.2	3.00
	P(C,V)8*C20	FC/MC/PC48C	21	1	780	26.4	-	-	4.00
				2	1200	36.0	26.4	9.55	4.20
				2	780	36.0	24.4	9.2	3.20
	P(C,V)9*C16	FC/MC/PC48C	21	1	770	26.4	-	-	4.00
				2	1175	36.0	26.4	9.55	4.20
				2	770	36.0	24.4	9.2	3.20
	P(C,V)9*C20	FC/MC/PC48C	21	1	790	26.4	-	-	4.00
				2	1195	36.0	26.4	9.55	4.20
				2	790	36.0	24.4	9.2	3.20
	P(C,V)9*D20	FC/MC/PC48D	24	1	775	26.4	-	-	4.00
				2	1220	36.0	26.4	9.55	4.20
				2	775	36.0	24.4	9.2	3.20
	P(C,V)8*C16	FC/PC60C	21	1	640	26.2	-	-	4.00
				2	1200	36.0	26.2	10	4.40
				2	640	36.0	24.4	9.7	3.20
	P(C,V)8*C20	FC/PC60C	21	1	780	26.6	-	-	4.20
				2	1200	36.0	26.2	10	4.40
				2	780	36.0	24.4	9.7	3.40
	P(C,V)9*C16	FC/PC60C	21	1	770	26.6	-	-	4.40
				2	1175	36.0	26.2	10	4.40
				2	770	36.0	24.4	9.7	3.60
	P(C,V)9*C20	FC/PC60C	21	1	790	26.8	-	-	4.40
				2	1195	36.0	26.2	10	4.40
				2	790	36.0	24.4	9.7	3.60
	P(C,V)9*D20	FC/MC/PC60D	24	1	775	26.6	-	-	4.40
				2	1220	36.0	26.2	10	4.40
				2	775	36.0	24.6	9.7	3.40

For Notes, See Page 10.

HEATING CAPACITY - With Variable Speed Furnaces (Continued)

UNIT MODEL	VARIABLE SPEED FURNACE MODEL	COIL MODEL[1]	W	HEATING					
				STAGE	RATED CFM	NET MBH		HSPF	COP @ 47
						47 OD	17 OD		
YZH03611	P(C,V)8*C20	FC/MC62D	24	1	780	26.4	-	-	4.00
				2	1200	36.0	26.2	9.55	4.20
				2	780	36.0	23.8	9.35	3.20
	P(C,V)9*C20	FC/MC62D	24	1	790	26.4	-	-	4.00
				2	1195	36.0	26.0	9.55	4.20
				2	790	36.0	24.0	9.35	3.40
	P(C,V)9*D20	FC/MC62D	24	1	775	26.4	-	-	4.00
				2	1220	36.0	26.0	10	4.40
				2	775	36.0	23.8	9.8	3.20
	P(C,V)8*C16	HC42	21	1	640	26.0	-	-	3.80
				2	1200	36.0	26.4	9.55	4.20
				2	640	36.0	24.4	9.35	3.00
	P(C,V)8*C20	HC42	21	1	780	26.4	-	-	4.00
				2	1200	36.0	26.4	9.55	4.00
				2	780	36.0	24.4	9.35	3.20
	P(C,V)9*C16	HC42	21	1	770	26.4	-	-	4.00
				2	1175	36.0	26.4	9.55	4.20
				2	770	36.0	24.4	9.35	3.20
	P(C,V)9*C20	HC42	21	1	790	26.4	-	-	4.00
				2	1195	36.0	26.6	9.55	4.20
				2	790	36.0	24.4	9.35	3.20
YZH04811	P(C,V)8*C16	FC/MC/PC48C	21	1	880	35.5	-	-	3.40
				2	1500	48.0	33.0	9.3	3.80
				2	880	38.0	25.4	9	3.00
	P(C,V)8*C20	FC/MC/PC48C	21	1	1030	36.0	-	-	3.80
				2	1610	48.0	32.8	9.3	3.80
				2	1030	38.0	25.4	9	3.00
	P(C,V)9*C16	FC/MC/PC48C	21	1	1090	36.0	-	-	3.80
				2	1600	48.0	33.0	9.3	3.80
				2	1090	38.0	25.4	9	3.20
	P(C,V)9*C20	FC/MC/PC48C	21	1	1010	36.0	-	-	3.60
				2	1580	48.0	33.0	9.3	3.80
				2	1010	38.0	25.6	9	3.00
	P(C,V)9*D20	FC/MC/PC48D	24	1	985	36.0	-	-	3.60
				2	1560	48.0	32.8	9.3	3.80
				2	985	38.0	25.6	9	3.00
	P(C,V)8*C16	FC/PC60C	21	1	880	35.5	-	-	3.80
				2	1500	48.0	32.8	9.3	3.80
				2	880	38.5	25.6	9	3.00
	P(C,V)8*C20	FC/PC60C	21	1	1030	36.0	-	-	4.00
				2	1610	48.0	32.8	9.8	4.00
				2	1030	39.0	25.6	9.5	3.20
	P(C,V)9*C16	FC/PC60C	21	1	1090	37.0	-	-	3.80
				2	1600	48.0	33.0	9.8	4.00
				2	1090	40.0	26.2	9.5	3.20
	P(C,V)9*C20	FC/PC60C	21	1	1010	36.0	-	-	3.80
				2	1580	48.0	32.8	9.8	4.00
				2	1010	38.5	25.6	9.5	3.20

For Notes, See Page 10.

HEATING CAPACITY - With Variable Speed Furnaces (Continued)

UNIT MODEL	VARIABLE SPEED FURNACE MODEL	COIL MODEL[1]	W	HEATING					
				STAGE	RATED CFM	NET MBH		HSPF	COP @ 47
						47 OD	17 OD		
YZH04811	P(C,V)9*D20	FC/MC/PC60D	24	1	985	36.0	-	-	3.80
				2	1560	48.0	32.6	9.8	4.00
				2	985	39.0	25.6	9.5	3.20
	P(C,V)8*C20	FC/MC62D	24	1	1030	36.0	-	-	3.80
				2	1610	48.0	32.8	9.8	4.00
				2	1030	38.5	25.2	9.5	3.20
	P(C,V)9*C20	FC/MC62D	24	1	1010	36.0	-	-	3.80
				2	1580	48.0	32.6	9.3	3.80
				2	1010	38.0	25.0	9	3.00
	P(C,V)9*D20	FC/MC62D	24	1	985	36.0	-	-	3.60
				2	1560	48.0	32.6	9.8	4.00
				2	985	38.0	25.0	9.5	3.20
YZH06011	P(C,V)8*C20	FC/PC60C	21	1	1120	43.0	-	-	3.40
				2	1730	58.0	39.5	9.3	3.80
				2	1120	46.5	27.2	9	3.00
	P(C,V)9*C20	FC/PC60C	21	1	1075	43.0	-	-	3.40
				2	1650	58.0	39.5	9.3	3.80
				2	1075	46.5	27.2	9	3.00
	P(C,V)9*D20	FC/MC/PC60D	24	1	1020	43.0	-	-	3.40
				2	1620	58.0	39.0	9.3	3.80
				2	1020	46.0	27.2	9	3.00
	P(C,V)8*C20	FC/MC62D	24	1	1120	43.0	-	-	3.40
				2	1730	58.0	39.5	9.3	3.60
				2	1120	46.0	27.0	9	3.00
	P(C,V)9*C20	FC/MC62D	24	1	1075	43.0	-	-	3.20
				2	1650	58.0	39.5	9.3	3.60
				2	1075	46.0	27.0	9	3.00
	P(C,V)9*D20	FC/MC62D	24	1	1020	43.0	-	-	3.20
				2	1620	58.0	39.0	9.3	3.80
				2	1020	46.5	27.2	9	3.00

1. MC coils available with a factory installed horizontal drain pan. See price pages for specific model number.

ACCESSORIES*

TXV Kits - 1TVM9 series thermal expansion valves precisely meter refrigerant for optimum performance.

Bonnet Sensor (2SB13700124) - The bonnet sensor is used to sense plenum temperature, and is optional with a gas or oil back-up heat source. Compatible only with 13 SEER and higher heat pumps.

Dehumidistat (2HU16700124) - Provides increased dehumidification when matched with variable speed furnace or air handler.

Heat Pump Risers - (526-35389-000, 526-35390-000, 526-35391-000) - 3", 6", or 12" risers mount easily in composite base pan recesses, ensuring the unit stays clear of snow and ice build-up in harsh winter weather.

Room Thermostats - A wide selection of matching thermostats is available to provide features required for any installation.

3H/2C, non-programmable digital thermostat.

3H/2C, auto/manual changeover, electronic programmable, 7-day, thermostat.

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

SOUND POWER RATINGS*

UNIT MODEL	(dBA)	
	Cooling	Heating
024	71	72
036	72	73
048	72	73
060	73	74

* Rated in accordance with ARI 270-95 Standards.

COLOR GRILLES

CHOICE OF SEVERAL COLOR COIL GRILLES TO COMPLIMENT ANY HOME.		
Color Grill	Color Description	
1CP1136	Terra Cotta	024-060
1CP1236	Jet Black	024-060
1CP1336	Stone	024-060
1CP1436	Bermuda	024-060
1CP1536	Gunmetal	024-060
1CP1636	Chocolate	024-060

COOLING PERFORMANCE DATA - LOW CFM 1-STAGE OPERATION																
OUTDOOR UNIT MODEL NO.		**YZH02411**														
INDOOR COIL MODEL NO.		**FC/MC/PC48D + MV12D**														
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	600					650					700				
	ID DB (°F)	80	80	75	80	80	80	80	75	80	80	80	80	75	80	80
	ID WB (°F)	57	62	62	67	72	57	62	62	67	72	57	62	62	67	72
65	T.C.	19.7	20.0	19.9	22.0	23.6	19.7	20.0	19.9	22.0	23.6	19.7	20.0	19.9	22.0	23.6
	S.C.	19.7	19.2	15.7	15.8	13.0	19.7	19.2	15.7	15.8	13.0	19.7	19.2	15.7	15.8	13.0
	K.W.	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
75	T.C.	18.9	19.0	18.9	21.0	22.6	18.9	19.0	18.9	21.0	22.6	18.9	19.0	18.9	21.0	22.6
	S.C.	18.9	18.5	15.4	15.4	12.5	18.9	18.5	15.4	15.4	12.5	18.9	18.5	15.4	15.4	12.5
	K.W.	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
85	T.C.	18.1	18.0	18.0	20.0	21.7	18.1	18.0	18.0	20.0	21.7	18.1	18.0	18.0	20.0	21.7
	S.C.	18.1	17.7	15.0	15.0	12.1	18.1	17.7	15.0	15.0	12.1	18.1	17.7	15.0	15.0	12.1
	K.W.	1.0	1.0	1.1	1.1	1.1	1.0	1.0	1.1	1.1	1.1	1.0	1.0	1.1	1.1	1.1
95	T.C.	17.4	17.0	17.1	18.9	20.7	17.4	17.0	17.1	18.9	20.7	17.4	17.0	17.1	18.9	20.7
	S.C.	17.4	17.0	14.6	14.6	11.7	17.4	17.0	14.6	14.6	11.7	17.4	17.0	14.6	14.6	11.7
	K.W.	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
105	T.C.	16.2	15.9	15.6	17.4	19.1	16.2	15.9	15.6	17.4	19.1	16.2	15.9	15.6	17.4	19.1
	S.C.	16.2	15.9	13.9	14.0	11.1	16.2	15.9	13.9	14.0	11.1	16.2	15.9	13.9	14.0	11.1
	K.W.	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
115	T.C.	15.0	14.9	14.1	15.9	17.6	15.0	14.9	14.1	15.9	17.6	15.0	14.9	14.1	15.9	17.6
	S.C.	15.0	14.9	13.3	13.5	10.5	15.0	14.9	13.3	13.5	10.5	15.0	14.9	13.3	13.5	10.5
	K.W.	1.6	1.6	1.5	1.6	1.6	1.6	1.6	1.5	1.6	1.6	1.6	1.6	1.5	1.6	1.6
125	T.C.	13.8	13.8	12.7	14.3	16.0	13.8	13.8	12.7	14.3	16.0	13.8	13.8	12.7	14.3	16.0
	S.C.	13.8	13.8	12.7	13.0	10.0	13.8	13.8	12.7	13.0	10.0	13.8	13.8	12.7	13.0	10.0
	K.W.	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
NOTE: ALL CAPACITIES ARE NET (KBTUH) WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.																

Multipliers for determining the performance with other indoor sections.

NOTE: For dry bulb temperatures different than those listed (between 73-87 F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree below the listed temperature.

NOTE: KW RATING IS FOR OUTDOOR AND INDOOR UNITS.

LOW CFM

Air Handler	Coil	T.C.	S.C.	KW
AV36	-	0.98	0.96	0.98
MV12B	FC/MC43B	0.98	0.96	0.97
MV12D	FC/MC60D	1.00	1.00	1.00

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P(C,V)9*B12	FC/MC/PC43B	0.97	0.92	0.97

COOLING PERFORMANCE DATA - HIGH CFM 2-STAGE OPERATION																
OUTDOOR UNIT MODEL NO.		**YZH02411**														
INDOOR COIL MODEL NO.		**FC/MC/PC48D + MV12D**														
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	740					840					940				
	ID DB (°F)	80	80	75	80	80	80	80	75	80	80	80	80	75	80	80
	ID WB (°F)	57	62	62	67	72	57	62	62	67	72	57	62	62	67	72
65	T.C.	24.9	26.6	26.4	28.8	30.9	25.8	27.2	26.9	29.3	31.6	26.7	27.8	27.4	29.8	32.2
	S.C.	24.9	23.2	19.7	19.3	16.3	25.8	24.9	20.8	20.5	16.8	26.7	26.6	21.8	21.6	17.4
	K.W.	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
75	T.C.	24.0	25.3	25.2	27.5	29.6	24.9	25.8	25.7	28.0	30.2	25.8	26.4	26.2	28.5	30.9
	S.C.	24.0	22.6	19.1	18.8	15.7	24.9	24.1	20.2	20.0	16.2	25.8	25.6	21.3	21.1	16.8
	K.W.	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
85	T.C.	23.1	24.0	24.0	26.2	28.3	24.0	24.5	24.4	26.7	28.9	24.9	25.0	24.9	27.2	29.5
	S.C.	23.1	22.0	18.5	18.4	15.0	24.0	23.3	19.6	19.5	15.6	24.9	24.6	20.7	20.6	16.2
	K.W.	1.5	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.6	1.6
95	T.C.	22.1	22.7	22.8	24.9	26.9	23.1	23.1	23.2	25.4	27.6	24.0	23.6	23.7	25.9	28.2
	S.C.	22.1	21.4	18.0	17.9	14.4	23.1	22.5	19.1	19.0	15.0	24.0	23.6	20.2	20.0	15.6
	K.W.	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
105	T.C.	20.9	21.2	21.1	23.3	25.3	21.8	21.8	21.5	23.7	25.8	22.6	22.4	21.9	24.1	26.3
	S.C.	20.9	20.4	17.2	17.2	13.7	21.8	21.4	18.3	18.3	14.3	22.6	22.4	19.5	19.4	14.9
	K.W.	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.9	1.9	2.0
115	T.C.	19.7	19.8	19.5	21.8	23.6	20.5	20.5	19.9	22.1	24.0	21.3	21.2	20.3	22.4	24.5
	S.C.	19.7	19.4	16.5	16.6	13.0	20.5	20.3	17.6	17.6	13.6	21.3	21.2	18.8	18.7	14.2
	K.W.	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.2
125	T.C.	18.5	18.4	17.9	20.2	22.0	19.3	19.2	18.3	20.4	22.3	20.0	20.0	18.6	20.7	22.6
	S.C.	18.5	18.4	15.8	15.9	12.2	19.3	19.2	16.9	17.0	12.9	20.0	20.0	18.1	18.1	13.5
	K.W.	2.3	2.3	2.3	2.4	2.4	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.3	2.4	2.4
NOTE: ALL CAPACITIES ARE NET (KBTUH) WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.																

Multipliers for determining the performance with other indoor sections.

NOTE: For dry bulb temperatures different than those listed (between 73-87 F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree below the listed temperature.

NOTE: KW RATING IS FOR OUTDOOR AND INDOOR UNITS.

HIGH CFM

Air Handler	Coil	T.C.	S.C.	KW
AV36	-	0.98	0.95	0.98
MV12B	FC/MC43B	0.98	0.96	0.97
MV12D	FC/MC60D	1.00	1.00	1.00

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P(C,V)9*B12	FC/MC/PC43B	0.98	0.97	0.95

COOLING PERFORMANCE DATA - LOW CFM 1-STAGE OPERATION																	
OUTDOOR UNIT MODEL NO.		YZH03611															
INDOOR COIL MODEL NO.		FC/MC62D + MV12D															
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	796					846					896					
	ID DB (°F)	80	80	75	80	80	80	80	75	80	80	80	80	75	80	80	
	ID WB (°F)	57	62	62	67	72	57	62	62	67	72	57	62	62	67	72	
65	T.C.	26.3	27.5	27.3	30.5	33.5	26.9	28.0	27.7	30.9	34.1	27.4	28.4	28.1	31.3	34.7	
	S.C.	26.3	23.9	20.3	20.4	16.7	26.9	25.0	20.9	21.0	17.1	27.4	26.1	21.6	21.6	17.5	
	K.W.	1.0	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.1	
75	T.C.	25.2	26.0	25.9	28.9	32.0	25.7	26.4	26.3	29.3	32.5	26.3	26.7	26.6	29.7	33.0	
	S.C.	25.2	23.6	19.8	19.8	16.1	25.7	24.4	20.4	20.5	16.5	26.3	25.2	21.0	21.1	16.9	
	K.W.	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
85	T.C.	24.1	24.5	24.5	27.4	30.5	24.6	24.8	24.8	27.8	30.8	25.2	25.0	25.1	28.1	31.2	
	S.C.	24.1	23.2	19.3	19.3	15.5	24.6	23.8	19.9	19.9	15.9	25.2	24.3	20.5	20.5	16.3	
	K.W.	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
95	T.C.	23.0	22.9	23.0	25.9	28.9	23.5	23.1	23.3	26.2	29.2	24.0	23.4	23.6	26.5	29.5	
	S.C.	23.0	22.9	18.7	18.8	15.0	23.5	23.1	19.3	19.4	15.3	24.0	23.4	19.9	20.0	15.6	
	K.W.	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
105	T.C.	21.4	21.3	20.8	23.6	26.6	21.8	21.6	21.1	23.8	26.8	22.3	21.9	21.3	24.1	27.0	
	S.C.	21.4	21.3	17.9	18.0	14.2	21.8	21.6	18.4	18.6	14.5	22.3	21.9	18.9	19.2	14.9	
	K.W.	1.8	1.8	1.8	1.8	1.9	1.8	1.8	1.8	1.8	1.9	1.8	1.8	1.8	1.8	1.9	
115	T.C.	19.8	19.7	18.7	21.3	24.3	20.2	20.1	18.9	21.5	24.5	20.6	20.4	19.1	21.8	24.7	
	S.C.	19.8	19.7	17.1	17.3	13.4	20.2	20.1	17.5	17.9	13.8	20.6	20.4	17.9	18.5	14.1	
	K.W.	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	
125	T.C.	18.2	18.2	16.5	19.1	22.0	18.6	18.6	16.7	19.2	22.1	19.0	19.0	16.9	19.4	22.3	
	S.C.	18.2	18.2	16.4	16.5	12.6	18.6	18.6	16.6	17.1	13.0	19.0	19.0	16.9	17.7	13.4	
	K.W.	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	
NOTE: ALL CAPACITIES ARE NET (KBTUH) WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.																	

Multipliers for determining the performance with other indoor sections.

NOTE: For dry bulb temperatures different than those listed (between 73-87 F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree below the listed temperature.

NOTE: KW RATING IS FOR OUTDOOR AND INDOOR UNITS.

LOW CFM

Air Handler	Coil	T.C.	S.C.	KW
AV36	-	0.98	0.97	0.97
AV/SV48	-	1.01	1.04	0.98
MV16C	FC/MC43C	0.97	0.93	0.95
MV16C	FC/MC48C	0.98	0.95	0.96
MV12D	FC/MC48D	0.97	0.91	0.96
MV12D	FC/MC60D	0.97	0.93	0.97

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P(C,V)8*B16	FC/MC/PC43B	0.96	0.92	0.95
P(C,V)8*C16	FC/MC/PC43C	0.93	0.84	0.94
P(C,V)8*C20	FC/MC/PC43C	0.96	0.93	0.94
P(C,V)9*B12	FC/MC/PC43B	0.96	0.93	0.94
P(C,V)9*C16	FC/MC/PC43C	0.97	0.93	0.97
P(C,V)9*C20	FC/MC/PC43C	0.97	0.94	0.95
P(C,V)8*C16	FC/MC/PC48C	0.94	0.86	0.95
P(C,V)8*C20	FC/MC/PC48C	0.97	0.94	0.95
P(C,V)9*C16	FC/MC/PC48C	0.98	0.94	0.97
P(C,V)9*C20	FC/MC/PC48C	0.98	0.95	0.95
P(C,V)9*D20	FC/MC/PC48D	0.98	0.95	0.96
P(C,V)8*C16	FC/PC60C	0.95	0.87	0.96
P(C,V)8*C20	FC/PC60C	0.98	0.96	0.96
P(C,V)9*C16	FC/PC60C	0.98	0.95	0.97
P(C,V)9*C20	FC/PC60C	0.98	0.96	0.96
P(C,V)9*D20	FC/MC/PC60D	0.97	0.95	0.96
P(C,V)8*C20	FC/MC62D	0.97	0.94	0.96
P(C,V)9*C20	FC/MC62D	0.98	0.95	0.96
P(C,V)9*D20	FC/MC62D	0.98	0.95	0.96
P(C,V)8*C16	HC42	0.93	0.85	0.94
P(C,V)8*C20	HC42	0.96	0.93	0.95
P(C,V)9*C16	HC42	0.97	0.93	0.97
P(C,V)9*C20	HC42	0.98	0.94	0.95

COOLING PERFORMANCE DATA - HIGH CFM 2-STAGE OPERATION																
OUTDOOR UNIT MODEL NO.		**YZH03611**														
INDOOR COIL MODEL NO.		**FC/MC62D + MV12D**														
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	1148					1248					1348				
	ID DB (°F)	80	80	75	80	80	80	80	75	80	80	80	80	75	80	80
	ID WB (°F)	57	62	62	67	72	57	62	62	67	72	57	62	62	67	72
65	T.C.	38.4	39.7	40.2	43.7	47.8	39.4	40.6	40.8	44.4	48.5	40.5	41.5	41.3	45.2	49.1
	S.C.	38.4	35.1	30.0	29.8	24.1	39.4	37.0	31.1	30.9	24.9	40.5	38.8	32.2	32.0	25.7
	K.W.	1.7	1.7	1.7	1.8	1.8	1.7	1.7	1.7	1.8	1.8	1.7	1.8	1.8	1.8	1.8
75	T.C.	37.0	38.0	38.2	41.8	45.7	38.0	38.7	38.8	42.4	46.3	39.0	39.4	39.3	43.0	46.9
	S.C.	37.0	34.5	29.3	29.1	23.4	38.0	36.1	30.4	30.2	24.1	39.0	37.7	31.5	31.3	24.8
	K.W.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1
85	T.C.	35.6	36.2	36.3	39.9	43.6	36.5	36.8	36.8	40.4	44.1	37.4	37.4	37.3	40.9	44.6
	S.C.	35.6	33.9	28.6	28.4	22.6	36.5	35.2	29.7	29.4	23.3	37.4	36.5	30.8	30.5	24.0
	K.W.	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.3	2.3
95	T.C.	34.2	34.5	34.3	37.9	41.5	35.0	34.9	34.8	38.3	41.9	35.8	35.3	35.3	38.7	42.4
	S.C.	34.2	33.3	27.8	27.7	21.9	35.0	34.3	28.9	28.7	22.5	35.8	35.3	30.0	29.7	23.2
	K.W.	2.4	2.4	2.4	2.5	2.5	2.4	2.4	2.4	2.5	2.5	2.5	2.4	2.4	2.5	2.5
105	T.C.	32.2	32.4	31.9	35.3	38.7	33.0	32.9	32.3	35.7	39.1	33.8	33.5	32.7	36.0	39.5
	S.C.	32.2	31.6	26.9	26.7	20.9	33.0	32.5	28.0	27.8	21.5	33.8	33.5	29.1	28.8	22.2
	K.W.	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8
115	T.C.	30.3	30.4	29.6	32.7	36.0	31.1	31.0	29.9	33.1	36.4	31.9	31.6	30.3	33.4	36.7
	S.C.	30.3	30.0	26.0	25.8	19.9	31.1	30.8	27.1	26.9	20.6	31.9	31.6	28.2	28.0	21.2
	K.W.	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.0	3.1	3.1	3.1	3.1	3.0	3.1	3.1
125	T.C.	28.4	28.4	27.2	30.1	33.3	29.2	29.1	27.5	30.5	33.6	29.9	29.8	27.8	30.8	33.9
	S.C.	28.4	28.4	25.0	24.9	19.0	29.2	29.1	26.2	26.0	19.6	29.9	29.8	27.3	27.1	20.3
	K.W.	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.3	3.4	3.4	3.4	3.4	3.3	3.4	3.4
NOTE: ALL CAPACITIES ARE NET (KBTUH) WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.																

Multipliers for determining the performance with other indoor sections.

NOTE: For dry bulb temperatures different than those listed (between 73-87 F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree below the listed temperature.

NOTE: KW RATING IS FOR OUTDOOR AND INDOOR UNITS.

HIGH CFM

Air Handler	Coil	T.C.	S.C.	KW
AV36	-	0.98	0.97	0.97
AV/SV48	-	1.01	1.04	0.98
MV16C	FC/MC43C	0.97	0.93	0.95
MV16C	FC/MC48C	0.98	0.95	0.96
MV12D	FC/MC48D	0.97	0.91	0.96
MV12D	FC/MC60D	0.97	0.93	0.97

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P(C,V)8*B16	FC/MC/PC43B	0.98	0.95	1.00
P(C,V)8*C16	FC/MC/PC43C	0.98	0.96	1.01
P(C,V)8*C20	FC/MC/PC43C	0.98	0.95	1.01
P(C,V)9*B12	FC/MC/PC43B	0.97	0.94	0.97
P(C,V)9*C16	FC/MC/PC43C	0.97	0.95	1.00
P(C,V)9*C20	FC/MC/PC43C	0.98	0.95	1.00
P(C,V)8*C16	FC/MC/PC48C	0.99	0.96	1.02
P(C,V)8*C20	FC/MC/PC48C	0.98	0.96	1.02
P(C,V)9*C16	FC/MC/PC48C	0.98	0.96	1.01
P(C,V)9*C20	FC/MC/PC48C	0.98	0.96	1.12
P(C,V)9*D20	FC/MC/PC48D	0.99	0.97	1.01
P(C,V)8*C16	FC/PC60C	0.98	0.97	1.01
P(C,V)8*C20	FC/PC60C	0.98	0.97	1.01
P(C,V)9*C16	FC/PC60C	0.97	0.96	1.00
P(C,V)9*C20	FC/PC60C	0.97	0.96	0.99
P(C,V)9*D20	FC/MC/PC60D	0.98	0.97	1.00
P(C,V)8*C20	FC/MC62D	0.99	0.98	1.03
P(C,V)9*C20	FC/MC62D	0.99	0.98	1.01
P(C,V)9*D20	FC/MC62D	1.00	0.98	1.02
P(C,V)8*C16	HC42	0.98	0.95	1.01
P(C,V)8*C20	HC42	0.97	0.94	1.01
P(C,V)9*C16	HC42	0.98	0.95	1.00
P(C,V)9*C20	HC42	0.98	0.95	1.00

COOLING PERFORMANCE DATA - LOW CFM 1-STAGE OPERATION																
OUTDOOR UNIT MODEL NO.		**YZH04811**														
INDOOR COIL MODEL NO.		**FC/MC62D + MV20D**														
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	1000					1050					1100				
	ID DB (°F)	80	80	75	80	80	80	80	75	80	80	80	80	75	80	80
	ID WB (°F)	57	62	62	67	72	57	62	62	67	72	57	62	62	67	72
65	T.C.	33.8	35.9	35.8	39.4	43.5	34.4	36.3	36.2	39.9	43.9	35.0	36.8	36.6	40.4	44.4
	S.C.	33.8	31.5	26.6	26.7	22.2	34.4	32.4	27.2	27.4	22.5	35.0	33.3	27.8	28.0	22.8
	K.W.	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
75	T.C.	32.6	34.2	34.1	37.7	41.5	33.2	34.6	34.5	38.1	42.0	33.7	35.0	34.8	38.5	42.4
	S.C.	32.6	30.8	25.9	26.0	21.3	33.2	31.7	26.5	26.6	21.6	33.7	32.6	27.1	27.3	21.9
	K.W.	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85	T.C.	31.4	32.5	32.5	36.0	39.6	31.9	32.9	32.8	36.3	40.0	32.5	33.2	33.1	36.7	40.4
	S.C.	31.4	30.1	25.2	25.3	20.4	31.9	31.0	25.8	25.9	20.7	32.5	31.9	26.4	26.5	21.1
	K.W.	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.1	2.0	2.0
95	T.C.	30.2	30.8	30.8	34.2	37.6	30.7	31.1	31.1	34.6	38.0	31.2	31.5	31.4	34.9	38.4
	S.C.	30.2	29.5	24.5	24.5	19.4	30.7	30.3	25.1	25.1	19.8	31.2	31.2	25.7	25.7	20.2
	K.W.	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
105	T.C.	28.3	28.7	28.2	31.6	34.9	28.7	29.0	28.4	31.8	35.2	29.2	29.4	28.7	32.1	35.5
	S.C.	28.3	27.8	23.3	23.5	18.4	28.7	28.5	24.0	24.1	18.7	29.2	29.2	24.6	24.7	19.1
	K.W.	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
115	T.C.	26.4	26.7	25.6	29.0	32.2	26.9	27.0	25.9	29.2	32.4	27.3	27.4	26.1	29.4	32.7
	S.C.	26.4	26.2	22.3	22.4	17.3	26.9	26.7	22.9	23.1	17.7	27.3	27.3	23.5	23.7	18.0
	K.W.	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.0	3.1	3.0	3.0
125	T.C.	24.6	24.6	23.0	26.5	29.5	25.0	25.0	23.3	26.6	29.7	25.3	25.3	23.5	26.7	29.8
	S.C.	24.6	24.6	21.2	21.4	16.2	25.0	25.0	21.8	22.0	16.6	25.3	25.3	22.4	22.6	17.0
	K.W.	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
NOTE: ALL CAPACITIES ARE NET (KBTUH) WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.																

Multipliers for determining the performance with other indoor sections.

NOTE: For dry bulb temperatures different than those listed (between 73-87 F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree below the listed temperature.

NOTE: KW RATING IS FOR OUTDOOR AND INDOOR UNITS.

LOW CFM

Air Handler	Coil	T.C.	S.C.	KW
AV/SV48	-	1.01	1.02	0.99
AV/SV60	-	0.99	1.01	0.97
MV16C	FC/MC48C	1.01	1.02	0.99
MV20D	FC/MC48D	0.99	0.97	0.96
MV20D	FC/MC60D	0.98	0.97	0.95

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P(C,V)8*C16	FC/MC/PC48C	0.98	0.91	0.96
P(C,V)8*C20	FC/MC/PC48C	0.98	0.97	0.96
P(C,V)9*C16	FC/MC/PC48C	1.01	1.01	1.00
P(C,V)9*C20	FC/MC/PC48C	0.98	0.95	0.95
P(C,V)9*D20	FC/MC/PC48D	0.98	0.95	0.96
P(C,V)8*C16	FC/PC60C	0.95	0.91	0.96
P(C,V)8*C20	FC/PC60C	0.98	0.98	0.96
P(C,V)9*C16	FC/PC60C	0.99	1.01	0.99
P(C,V)9*C20	FC/PC60C	0.98	0.97	0.96
P(C,V)9*D20	FC/MC/PC60D	0.98	0.95	0.96
P(C,V)8*C20	FC/MC62D	0.99	0.98	0.98
P(C,V)9*C20	FC/MC62D	0.98	0.98	0.96
P(C,V)9*D20	FC/MC62D	0.98	0.96	0.96

COOLING PERFORMANCE DATA - HIGH CFM 2-STAGE OPERATION																
OUTDOOR UNIT MODEL NO.		**YZH04811**														
INDOOR COIL MODEL NO.		**FC/MC62D + MV20D**														
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	1470					1570					1670				
	ID DB (°F)	80	80	75	80	80	80	80	75	80	80	80	80	75	80	80
	ID WB (°F)	57	62	62	67	72	57	62	62	67	72	57	62	62	67	72
65	T.C.	47.6	49.8	49.6	54.3	58.9	48.5	50.1	50.2	54.9	59.2	49.5	50.5	50.8	55.5	59.5
	S.C.	47.6	44.6	37.5	37.5	30.0	48.5	46.3	38.7	38.5	30.5	49.5	48.0	39.8	39.6	31.0
	K.W.	2.3	2.3	2.3	2.4	2.5	2.3	2.3	2.3	2.4	2.5	2.3	2.4	2.4	2.4	2.5
75	T.C.	45.9	47.5	47.5	51.8	56.3	46.8	47.9	48.0	52.4	56.7	47.7	48.2	48.5	52.9	57.0
	S.C.	45.9	43.6	36.5	36.4	28.9	46.8	45.1	37.6	37.5	29.5	47.7	46.6	38.7	38.5	30.0
	K.W.	2.7	2.7	2.7	2.7	2.8	2.7	2.7	2.7	2.7	2.8	2.7	2.7	2.7	2.7	2.8
85	T.C.	44.3	45.3	45.4	49.4	53.8	45.1	45.7	45.7	49.8	54.2	46.0	46.0	46.1	50.3	54.6
	S.C.	44.3	42.7	35.5	35.4	27.9	45.1	43.9	36.6	36.4	28.5	46.0	45.2	37.7	37.4	29.0
	K.W.	3.0	3.0	3.0	3.1	3.1	3.0	3.0	3.0	3.1	3.1	3.0	3.0	3.0	3.1	3.1
95	T.C.	42.6	43.0	43.3	47.0	51.2	43.4	43.4	43.5	47.3	51.7	44.2	43.8	43.7	47.7	52.2
	S.C.	42.6	41.7	34.5	34.3	26.8	43.4	42.8	35.6	35.3	27.4	44.2	43.8	36.6	36.3	28.0
	K.W.	3.3	3.3	3.3	3.4	3.5	3.3	3.3	3.3	3.4	3.5	3.3	3.3	3.3	3.4	3.5
105	T.C.	40.1	40.4	40.0	43.6	47.5	40.8	40.8	40.2	43.9	47.9	41.5	41.2	40.5	44.2	48.3
	S.C.	40.1	39.6	33.1	32.9	25.3	40.8	40.4	34.1	33.9	25.9	41.5	41.2	35.2	34.9	26.5
	K.W.	3.8	3.8	3.7	3.8	3.9	3.8	3.8	3.8	3.8	3.9	3.8	3.8	3.8	3.8	3.9
115	T.C.	37.7	37.9	36.8	40.4	44.0	38.3	38.3	37.1	40.6	44.3	38.9	38.8	37.3	40.9	44.6
	S.C.	37.7	37.5	31.6	31.4	23.8	38.3	38.1	32.7	32.5	24.4	38.9	38.8	33.8	33.6	25.1
	K.W.	4.2	4.2	4.1	4.2	4.3	4.2	4.2	4.2	4.2	4.3	4.2	4.2	4.2	4.2	4.3
125	T.C.	35.3	35.3	33.7	37.1	40.4	35.8	35.8	33.9	37.3	40.6	36.3	36.3	34.2	37.5	40.8
	S.C.	35.3	35.3	30.2	30.0	22.3	35.8	35.8	31.3	31.1	22.9	36.3	36.3	32.5	32.2	23.6
	K.W.	4.6	4.6	4.6	4.6	4.7	4.6	4.6	4.6	4.6	4.7	4.6	4.6	4.6	4.6	4.7
NOTE: ALL CAPACITIES ARE NET (KBTUH) WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.																

Multipliers for determining the performance with other indoor sections.

NOTE: For dry bulb temperatures different than those listed (between 73-87 F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree below the listed temperature.

NOTE: KW RATING IS FOR OUTDOOR AND INDOOR UNITS.

HIGH CFM

Air Handler	Coil	T.C.	S.C.	KW
AV/SV48	-	1.00	1.00	0.98
AV/SV60	-	1.01	1.01	0.98
MV16C	FC/MC48C	1.00	1.00	0.98
MV20D	FC/MC48D	0.99	0.97	0.96
MV20D	FC/MC60D	1.00	1.00	0.98

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P(C,V)8*C16	FC/MC/PC48C	0.98	0.91	0.96
P(C,V)8*C20	FC/MC/PC48C	0.98	0.97	0.96
P(C,V)9*C16	FC/MC/PC48C	1.01	1.01	1.00
P(C,V)9*C20	FC/MC/PC48C	0.98	0.95	0.95
P(C,V)9*D20	FC/MC/PC48D	0.98	0.95	0.96
P(C,V)8*C16	FC/PC60C	0.95	0.91	0.96
P(C,V)8*C20	FC/PC60C	0.98	0.98	0.96
P(C,V)9*C16	FC/PC60C	0.99	1.01	0.99
P(C,V)9*C20	FC/PC60C	0.98	0.97	0.96
P(C,V)9*D20	FC/MC/PC60D	0.98	0.95	0.96
P(C,V)8*C20	FC/MC62D	0.99	0.98	0.98
P(C,V)9*C20	FC/MC62D	0.98	0.98	0.96
P(C,V)9*D20	FC/MC62D	0.98	0.96	0.96

COOLING PERFORMANCE DATA - LOW CFM 1-STAGE OPERATION																
OUTDOOR UNIT MODEL NO.		**YZH06011**														
INDOOR COIL MODEL NO.		**FC/MC62D + MV20D**														
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	1125					1175					1225				
	ID DB (°F)	80	80	75	80	80	80	80	75	80	80	80	80	75	80	80
	ID WB (°F)	57	62	62	67	72	57	62	62	67	72	57	62	62	67	72
65	T.C.	40.8	44.0	43.6	48.6	53.8	41.5	44.4	44.1	49.2	54.3	42.3	44.8	44.7	49.8	54.9
	S.C.	40.8	37.2	31.3	31.5	25.9	41.5	38.0	32.0	32.1	26.3	42.3	38.9	32.6	32.7	26.8
	K.W.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75	T.C.	39.3	42.0	41.7	46.5	51.4	40.0	42.4	42.2	47.0	51.9	40.8	42.8	42.7	47.5	52.5
	S.C.	39.3	36.4	30.5	30.6	24.9	40.0	37.3	31.2	31.2	25.3	40.8	38.2	31.8	31.8	25.7
	K.W.	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
85	T.C.	37.9	39.9	39.7	44.3	49.1	38.5	40.4	40.2	44.8	49.6	39.2	40.8	40.8	45.3	50.0
	S.C.	37.9	35.6	29.7	29.8	23.8	38.5	36.6	30.4	30.4	24.3	39.2	37.5	31.1	31.0	24.7
	K.W.	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
95	T.C.	36.4	37.9	37.8	42.2	46.7	37.0	38.4	38.3	42.6	47.2	37.6	38.9	38.8	43.0	47.6
	S.C.	36.4	34.9	28.9	28.9	22.8	37.0	35.8	29.6	29.5	23.2	37.6	36.8	30.4	30.2	23.7
	K.W.	3.1	3.0	3.1	3.0	3.0	3.1	3.0	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.0
105	T.C.	34.4	35.1	35.0	39.0	43.7	34.9	35.7	35.4	39.5	44.1	35.4	36.3	35.9	39.9	44.5
	S.C.	34.4	33.1	27.8	27.7	21.6	34.9	34.0	28.5	28.3	22.1	35.4	34.9	29.2	29.0	22.5
	K.W.	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
115	T.C.	32.4	32.3	32.3	36.0	40.7	32.8	33.1	32.7	36.4	41.1	33.3	33.8	33.0	36.8	41.4
	S.C.	32.4	31.3	26.7	26.5	20.5	32.8	32.2	27.4	27.2	20.9	33.3	33.1	28.0	27.8	21.3
	K.W.	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
125	T.C.	30.4	29.6	29.6	33.0	37.7	30.7	30.4	29.9	33.4	38.0	31.1	31.3	30.2	33.8	38.4
	S.C.	30.4	29.6	25.5	25.4	19.4	30.7	30.4	26.2	26.0	19.8	31.1	31.3	26.9	26.7	20.2
	K.W.	4.5	4.5	4.5	4.4	4.4	4.5	4.5	4.5	4.4	4.4	4.5	4.5	4.5	4.4	4.4
NOTE: ALL CAPACITIES ARE NET (KBTUH) WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.																

Multipliers for determining the performance with other indoor sections.

NOTE: For dry bulb temperatures different than those listed (between 73-87 F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree below the listed temperature.

NOTE: KW RATING IS FOR OUTDOOR AND INDOOR UNITS.

LOW CFM

Air Handler	Coil	T.C.	S.C.	KW
AV/SV60	-	0.99	0.97	0.98
MV20D	FC/MC60D	0.96	0.87	1.09

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P(C,V)8*C20	FC/PC60C	0.98	0.96	0.96
P(C,V)9*C20	FC/PC60C	0.96	0.94	0.95
P(C,V)9*D20	FC/MC/PC60D	0.95	0.92	0.95
P(C,V)8*C20	FC/MC62D	0.98	0.97	0.97
P(C,V)9*C20	FC/MC62D	0.98	0.95	0.96
P(C,V)9*D20	FC/MC62D	0.96	0.93	0.95

COOLING PERFORMANCE DATA - HIGH CFM 2-STAGE OPERATION																
OUTDOOR UNIT MODEL NO.		**YZH06011**														
INDOOR COIL MODEL NO.		**FC/MC62D + MV20D**														
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	1718					1818					1918				
	ID DB (°F)	80	80	75	80	80	80	80	75	80	80	80	80	75	80	80
	ID WB (°F)	57	62	62	67	72	57	62	62	67	72	57	62	62	67	72
65	T.C.	57.5	60.6	60.7	65.4	73.0	58.5	61.3	61.4	66.1	73.4	59.5	62.0	62.0	66.8	73.8
	S.C.	57.5	53.3	45.1	44.5	37.1	58.5	54.8	46.3	45.7	37.5	59.5	56.4	47.5	46.9	38.0
	K.W.	2.8	2.9	2.9	3.0	3.1	2.8	2.9	2.9	3.0	3.1	2.9	2.9	2.9	3.0	3.1
75	T.C.	55.5	57.9	58.0	62.8	69.7	56.5	58.6	58.6	63.5	70.1	57.4	59.2	59.2	64.1	70.5
	S.C.	55.5	52.1	43.9	43.4	35.5	56.5	53.6	45.0	44.5	36.0	57.4	55.2	46.2	45.7	36.6
	K.W.	3.3	3.4	3.4	3.5	3.6	3.3	3.4	3.4	3.5	3.6	3.4	3.4	3.4	3.5	3.6
85	T.C.	53.5	55.2	55.3	60.3	66.4	54.4	55.8	55.9	60.8	66.8	55.3	56.4	56.5	61.4	67.2
	S.C.	53.5	50.8	42.6	42.3	33.9	54.4	52.4	43.7	43.3	34.5	55.3	53.9	44.9	44.4	35.1
	K.W.	3.8	3.8	3.8	4.0	4.1	3.8	3.8	3.9	4.0	4.1	3.8	3.9	3.9	4.0	4.1
95	T.C.	51.5	52.6	52.6	57.7	63.1	52.4	53.1	53.2	58.2	63.5	53.3	53.6	53.7	58.7	63.9
	S.C.	51.5	49.6	41.4	41.1	32.4	52.4	51.2	42.5	42.2	33.0	53.3	52.7	43.6	43.2	33.6
	K.W.	4.3	4.3	4.3	4.4	4.6	4.3	4.3	4.3	4.5	4.6	4.3	4.3	4.3	4.5	4.6
105	T.C.	48.8	49.1	49.2	54.0	59.4	49.6	49.9	49.7	54.4	59.8	50.4	50.7	50.1	54.7	60.2
	S.C.	48.8	47.2	39.8	39.5	30.8	49.6	48.6	40.9	40.5	31.5	50.4	50.1	42.0	41.6	32.1
	K.W.	4.9	4.9	4.9	5.0	5.1	4.9	4.9	4.9	5.0	5.1	4.9	4.9	4.9	5.0	5.1
115	T.C.	46.3	45.8	45.9	50.4	55.8	47.0	46.8	46.3	50.6	56.2	47.7	47.8	46.7	50.9	56.5
	S.C.	46.3	44.9	38.2	37.9	29.4	47.0	46.2	39.3	38.9	30.0	47.7	47.5	40.4	40.0	30.6
	K.W.	5.4	5.4	5.4	5.5	5.6	5.5	5.5	5.5	5.5	5.6	5.5	5.5	5.5	5.5	5.6
125	T.C.	43.7	42.5	42.6	46.8	52.2	44.3	43.7	42.9	46.9	52.5	44.9	44.9	43.2	47.1	52.9
	S.C.	43.7	42.5	36.7	36.3	27.9	44.3	43.7	37.8	37.3	28.5	44.9	44.9	38.8	38.4	29.1
	K.W.	6.0	6.0	6.0	6.1	6.1	6.0	6.0	6.0	6.1	6.1	6.1	6.1	6.0	6.1	6.2
NOTE: ALL CAPACITIES ARE NET (KBTUH) WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.																

Multipliers for determining the performance with other indoor sections.

NOTE: For dry bulb temperatures different than those listed (between 73-87 F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree below the listed temperature.

NOTE: KW RATING IS FOR OUTDOOR AND INDOOR UNITS.

HIGH CFM

Air Handler	Coil	T.C.	S.C.	KW
AV/SV60C	-	0.99	0.97	0.97
MV20DC	FC/MC60D	1.00	0.60	1.18

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P(C,V)8*C20	FC/PC60C	0.98	0.96	0.96
P(C,V)9*C20	FC/PC60C	0.96	0.94	0.95
P(C,V)9*D20	FC/MC/PC60D	0.95	0.92	0.95
P(C,V)8*C20	FC/MC62D	0.98	0.97	0.97
P(C,V)9*C20	FC/MC62D	0.98	0.95	0.96
P(C,V)9*D20	FC/MC62D	0.96	0.93	0.95

HEATING PERFORMANCE DATA - LOW CFM 1-STAGE OPERATION										
OUTDOOR UNIT MODEL NO.		**YZH02411**								
INDOOR COIL MODEL NO.		**FC/MC/PC48D + MV12D**								
AIR TEMP. ENTERING OUTDOOR UNIT	**AIR TEMP. ENTERING INDOOR COIL**	ID CFM								
		600			650			700		
		MBTUH	KW	C.O.P.	MBTUH	KW	C.O.P.	MBTUH	KW	C.O.P.
60	60	24.2	1.4	5.2	24.4	1.3	5.4	24.5	1.3	5.6
	70	23.9	1.5	4.6	24.0	1.5	4.7	24.1	1.4	4.9
	80	23.5	1.7	4.1	23.5	1.6	4.2	23.6	1.6	4.3
47	60	19.8	1.3	4.5	19.8	1.2	4.6	19.8	1.2	4.8
	70	19.3	1.4	4.0	19.3	1.4	4.1	19.4	1.4	4.2
	80	18.8	1.6	3.6	18.9	1.5	3.6	19.0	1.5	3.7
40	60	17.1	1.2	4.1	17.1	1.2	4.2	17.1	1.2	4.3
	70	16.9	1.4	3.7	16.9	1.3	3.7	17.0	1.3	3.8
	80	16.7	1.5	3.3	16.7	1.5	3.3	16.8	1.4	3.4
30	60	13.9	1.2	3.5	14.0	1.1	3.6	14.1	1.1	3.7
	70	14.0	1.3	3.1	14.0	1.3	3.2	14.0	1.3	3.3
	80	14.0	1.4	2.8	13.9	1.4	2.9	13.9	1.4	2.9
17	60	10.5	1.1	2.8	10.9	1.1	2.9	11.4	1.1	3.0
	70	10.4	1.2	2.5	10.6	1.2	2.5	10.8	1.2	2.6
	80	10.3	1.4	2.2	10.3	1.3	2.2	10.3	1.3	2.3
10	60	9.0	1.1	2.3	9.0	1.1	2.4	9.0	1.1	2.4
	70	8.5	1.2	2.1	8.5	1.2	2.1	8.6	1.2	2.2
	80	8.0	1.2	1.9	8.1	1.2	1.9	8.2	1.2	2.0
NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT AT 1250 BTUH/1000 CFM.										

Multipliers for determining the performance with other indoor section.

NOTE: KW RATING IS FOR OUTDOOR AND INDOOR UNITS.

LOW CFM

Air Handler	Coil	MBH	KW	COP
AV36	-	1.00	1.00	1.00
MV12B	FC/MC43B	1.00	1.00	1.00
MV12D	FC/MC60D	1.00	1.00	1.00

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P(C,V)9*B12	FC/MC/PC43B	0.98	0.98	1.02

HEATING PERFORMANCE DATA - HIGH CFM 2-STAGE OPERATION										
OUTDOOR UNIT MODEL NO.		**YZH02411**								
INDOOR COIL MODEL NO.		**FC/MC/PC48D + MV12D**								
AIR TEMP. ENTERING OUTDOOR UNIT	**AIR TEMP. ENTERING INDOOR COIL**	ID CFM								
		750			850			950		
		MBTUH	KW	C.O.P.	MBTUH	KW	C.O.P.	MBTUH	KW	C.O.P.
60	60	31.6	1.7	5.4	32.0	1.7	5.6	32.4	1.6	5.9
	70	30.9	1.9	4.8	31.4	1.8	5.0	31.9	1.8	5.3
	80	30.2	2.0	4.4	30.7	2.0	4.6	31.3	1.9	4.8
47	60	26.8	1.6	4.8	27.0	1.6	5.0	27.2	1.5	5.2
	70	26.4	1.8	4.3	26.6	1.7	4.5	26.8	1.7	4.7
	80	25.9	1.9	3.9	26.1	1.9	4.1	26.3	1.8	4.2
40	60	24.4	1.6	4.5	24.5	1.5	4.7	24.6	1.5	4.9
	70	23.9	1.7	4.1	24.1	1.7	4.2	24.3	1.6	4.4
	80	23.5	1.9	3.7	23.7	1.8	3.8	23.9	1.8	3.9
30	60	20.7	1.5	4.1	20.9	1.5	4.2	21.0	1.4	4.3
	70	20.5	1.6	3.7	20.7	1.6	3.8	20.8	1.6	3.9
	80	20.4	1.8	3.3	20.5	1.7	3.4	20.6	1.7	3.5
17	60	16.6	1.4	3.5	16.7	1.4	3.6	16.8	1.3	3.7
	70	16.6	1.5	3.2	16.6	1.5	3.3	16.7	1.5	3.3
	80	16.5	1.7	2.9	16.6	1.6	3.0	16.6	1.6	3.0
10	60	14.8	1.3	3.2	14.8	1.3	3.3	14.8	1.3	3.4
	70	14.7	1.5	2.9	14.7	1.5	3.0	14.8	1.4	3.0
	80	14.6	1.6	2.7	14.7	1.6	2.7	14.8	1.6	2.8
NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT AT 1250 BTUH/1000 CFM.										

Multipliers for determining the performance with other indoor section.

NOTE: KW RATING IS FOR OUTDOOR AND INDOOR UNITS.

HIGH CFM

Air Handler	Coil	MBH	KW	COP
AV36	-	1.00	0.99	1.01
MV12B	FC/MC43B	1.00	1.00	1.00
MV12D	FC/MC60D	1.00	1.00	1.00

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P(C,V)9*B12	FC/MC/PC43B	1.00	0.98	1.02

HEATING PERFORMANCE DATA - LOW CFM 1-STAGE OPERATION										
OUTDOOR UNIT MODEL NO.		**YZH03611**								
INDOOR COIL MODEL NO.		**FC/MC62D + MV12D**								
AIR TEMP. ENTERING OUTDOOR UNIT	**AIR TEMP. ENTERING INDOOR COIL**	ID CFM								
		759			809			859		
		MBTUH	KW	C.O.P.	MBTUH	KW	C.O.P.	MBTUH	KW	C.O.P.
60	60	31.2	1.8	4.9	31.5	1.8	5.1	31.8	1.8	5.3
	70	30.7	2.1	4.2	30.9	2.1	4.4	31.2	2.0	4.5
	80	30.2	2.4	3.7	30.4	2.3	3.8	30.5	2.3	3.9
47	60	23.5	1.7	4.1	23.6	1.6	4.2	23.7	1.6	4.4
	70	23.1	1.9	3.5	23.1	1.9	3.6	23.2	1.8	3.7
	80	22.7	2.2	3.1	22.7	2.1	3.2	22.7	2.0	3.2
40	60	19.4	1.6	3.6	19.5	1.5	3.7	19.6	1.5	3.8
	70	19.2	1.8	3.1	19.3	1.8	3.2	19.4	1.7	3.3
	80	19.0	2.0	2.7	19.1	2.0	2.8	19.1	2.0	2.9
30	60	14.0	1.5	2.8	14.0	1.4	2.9	14.1	1.4	2.9
	70	14.0	1.7	2.4	14.0	1.6	2.5	14.1	1.6	2.6
	80	13.9	1.9	2.2	14.0	1.8	2.2	14.0	1.8	2.3
17	60	7.6	1.3	1.7	7.6	1.3	1.7	7.7	1.3	1.8
	70	7.8	1.5	1.5	8.0	1.5	1.6	8.2	1.5	1.6
	80	8.1	1.7	1.4	8.4	1.7	1.4	8.7	1.7	1.5
10	60	5.3	1.3	1.2	6.0	1.3	1.4	6.7	1.3	1.5
	70	6.5	1.5	1.2	7.0	1.5	1.4	7.5	1.5	1.5
	80	7.6	1.7	1.3	8.0	1.7	1.4	8.3	1.7	1.5
NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT AT 1250 BTUH/1000 CFM.										

Multipliers for determining the performance with other indoor sections.

NOTE: KW RATING IS FOR OUTDOOR AND INDOOR UNITS.

LOW CFM

Air Handler	Coil	MBH	KW	COP
AV36	-	1.00	0.98	1.02
AV/SV48	-	1.00	0.97	1.03
MV16C	FC/MC43C	1.00	0.97	1.03
MV16C	FC/MC48C	1.00	0.97	1.03
MV12D	FC/MC48D	1.00	1.00	1.00
MV12D	FC/MC60D	1.00	1.00	1.00

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P(C,V)8*B16	FC/MC/PC43B	1.00	0.97	1.03
P(C,V)8*C16	FC/MC/PC43C	0.96	0.96	1.04
P(C,V)8*C20	FC/MC/PC43C	1.00	0.97	1.03
P(C,V)9*B12	FC/MC/PC43B	1.00	0.97	1.03
P(C,V)9*C16	FC/MC/PC43C	1.00	0.97	1.03
P(C,V)9*C20	FC/MC/PC43C	1.00	0.97	1.03
P(C,V)8*C16	FC/MC/PC48C	0.96	0.97	1.03
P(C,V)8*C20	FC/MC/PC48C	1.00	0.98	1.02
P(C,V)9*C16	FC/MC/PC48C	1.00	0.98	1.02
P(C,V)9*C20	FC/MC/PC48C	1.00	0.97	1.03
P(C,V)9*D20	FC/MC/PC48D	1.00	0.97	1.03
P(C,V)8*C16	FC/PC60C	0.96	0.97	1.03
P(C,V)8*C20	FC/PC60C	1.00	0.98	1.02
P(C,V)9*C16	FC/PC60C	1.00	0.98	1.02
P(C,V)9*C20	FC/PC60C	1.00	0.97	1.03
P(C,V)9*D20	FC/MC/PC60D	1.00	0.97	1.03
P(C,V)8*C20	FC/MC62D	1.00	0.98	1.02
P(C,V)9*C20	FC/MC62D	1.00	0.97	1.03
P(C,V)9*D20	FC/MC62D	1.00	0.97	1.03
P(C,V)8*C16	HC42	0.96	0.97	1.03
P(C,V)8*C20	HC42	1.00	0.98	1.02
P(C,V)9*C16	HC42	1.00	0.98	1.02
P(C,V)9*C20	HC42	1.00	0.97	1.03

HEATING PERFORMANCE DATA - HIGH CFM 2-STAGE OPERATION										
OUTDOOR UNIT MODEL NO.		**YZH03611**								
INDOOR COIL MODEL NO.		**FC/MC62D + MV12D**								
AIR TEMP. ENTERING OUTDOOR UNIT	**AIR TEMP. ENTERING INDOOR COIL**	ID CFM								
		1088			1188			1288		
		MBTUH	KW	C.O.P.	MBTUH	KW	C.O.P.	MBTUH	KW	C.O.P.
60	60	48.8	2.5	5.7	49.1	2.5	5.9	49.5	2.4	6.1
	70	47.7	2.8	5.0	48.0	2.7	5.1	48.3	2.6	5.3
	80	46.5	3.1	4.4	46.8	3.0	4.6	47.1	2.9	4.7
47	60	39.9	2.4	4.9	40.0	2.3	5.1	40.1	2.2	5.3
	70	39.3	2.6	4.3	39.4	2.6	4.5	39.5	2.5	4.6
	80	38.6	2.9	3.9	38.7	2.8	4.0	38.9	2.8	4.1
40	60	35.6	2.3	4.6	35.8	2.2	4.7	35.9	2.2	4.9
	70	35.0	2.5	4.0	35.1	2.5	4.1	35.3	2.4	4.3
	80	34.3	2.8	3.6	34.5	2.7	3.7	34.7	2.7	3.8
30	60	29.7	2.2	4.0	29.9	2.1	4.1	30.0	2.1	4.3
	70	29.2	2.4	3.5	29.4	2.4	3.6	29.6	2.3	3.7
	80	28.7	2.7	3.2	28.9	2.6	3.2	29.1	2.6	3.3
17	60	22.6	2.0	3.3	22.8	2.0	3.4	22.9	1.9	3.5
	70	22.4	2.2	2.9	22.5	2.2	3.0	22.7	2.2	3.1
	80	22.2	2.5	2.6	22.3	2.4	2.7	22.4	2.4	2.7
10	60	19.3	1.9	3.0	19.4	1.9	3.0	19.5	1.9	3.1
	70	19.3	2.1	2.6	19.3	2.1	2.7	19.3	2.1	2.7
	80	19.2	2.4	2.4	19.2	2.3	2.4	19.2	2.3	2.4
NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT AT 1250 BTUH/1000 CFM.										

Multipliers for determining the performance with other indoor sections.

NOTE: KW RATING IS FOR OUTDOOR AND INDOOR UNITS.

HIGH CFM

Air Handler	Coil	MBH	KW	COP
AV36	-	1.00	0.98	1.02
AV/SV48	-	1.00	1.00	1.00
MV16C	FC/MC43C	1.00	1.00	1.00
MV16C	FC/MC48C	1.00	1.00	1.00
MV12D	FC/MC48D	1.00	1.00	1.00
MV12D	FC/MC60D	1.00	1.00	1.00

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P(C,V)8*B16	FC/MC/PC43B	1.00	0.97	1.03
P(C,V)8*C16	FC/MC/PC43C	1.00	0.98	1.02
P(C,V)8*C20	FC/MC/PC43C	1.00	0.98	1.02
P(C,V)9*B12	FC/MC/PC43B	1.00	0.96	1.04
P(C,V)9*C16	FC/MC/PC43C	1.00	0.97	1.03
P(C,V)9*C20	FC/MC/PC43C	1.00	0.97	1.03
P(C,V)8*C16	FC/MC/PC48C	1.00	1.00	1.00
P(C,V)8*C20	FC/MC/PC48C	1.00	1.00	1.00
P(C,V)9*C16	FC/MC/PC48C	1.00	0.98	1.02
P(C,V)9*C20	FC/MC/PC48C	1.00	0.98	1.02
P(C,V)9*D20	FC/MC/PC48D	1.00	0.98	1.02
P(C,V)8*C16	FC/PC60C	1.00	1.00	1.00
P(C,V)8*C20	FC/PC60C	1.00	1.00	1.00
P(C,V)9*C16	FC/PC60C	1.00	0.98	1.02
P(C,V)9*C20	FC/PC60C	1.00	0.98	1.02
P(C,V)9*D20	FC/MC/PC60D	1.00	0.98	1.02
P(C,V)8*C20	FC/MC62D	1.00	1.00	1.00
P(C,V)9*C20	FC/MC62D	1.00	0.98	1.02
P(C,V)9*D20	FC/MC62D	1.00	0.98	1.02
P(C,V)8*C16	HC42	1.00	0.98	1.02
P(C,V)8*C20	HC42	1.00	1.00	1.00
P(C,V)9*C16	HC42	1.00	0.97	1.03
P(C,V)9*C20	HC42	1.00	0.97	1.03

HEATING PERFORMANCE DATA - LOW CFM 1-STAGE OPERATION										
OUTDOOR UNIT MODEL NO.		**YZH04811**								
INDOOR COIL MODEL NO.		**FC/MC62D + MV20D**								
AIR TEMP. ENTERING OUTDOOR UNIT	**AIR TEMP. ENTERING INDOOR COIL**	ID CFM								
		973			1023			1073		
		MBTUH	KW	C.O.P.	MBTUH	KW	C.O.P.	MBTUH	KW	C.O.P.
60	60	41.4	2.5	4.9	41.6	2.5	5.0	41.8	2.4	5.1
	70	40.7	2.8	4.3	40.8	2.7	4.3	40.9	2.7	4.4
	80	40.0	3.1	3.8	40.0	3.0	3.8	40.0	3.0	3.9
47	60	33.7	2.4	4.0	33.8	2.4	4.1	34.0	2.4	4.2
	70	33.2	2.7	3.6	33.3	2.7	3.7	33.4	2.6	3.7
	80	32.8	3.0	3.2	32.8	2.9	3.3	32.8	2.9	3.3
40	60	29.7	2.4	3.7	29.8	2.3	3.7	29.9	2.3	3.8
	70	29.4	2.6	3.3	29.4	2.6	3.3	29.4	2.6	3.4
	80	29.1	2.9	2.9	29.0	2.9	3.0	28.9	2.8	3.0
30	60	24.4	2.3	3.1	24.4	2.3	3.2	24.5	2.2	3.2
	70	24.2	2.6	2.8	24.1	2.5	2.8	24.1	2.5	2.8
	80	23.9	2.8	2.5	23.8	2.8	2.5	23.7	2.7	2.5
17	60	18.1	2.2	2.4	18.2	2.2	2.5	18.2	2.1	2.5
	70	18.0	2.5	2.1	18.0	2.4	2.2	18.1	2.4	2.2
	80	17.8	2.7	1.9	17.9	2.7	2.0	18.0	2.6	2.0
10	60	15.0	2.2	2.0	15.0	2.1	2.1	15.0	2.1	2.1
	70	14.8	2.4	1.8	14.9	2.4	1.8	14.9	2.4	1.9
	80	14.6	2.7	1.6	14.7	2.6	1.6	14.9	2.6	1.7
NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT AT 1250 BTUH/1000 CFM.										

Multipliers for determining the performance with other indoor sections.

NOTE: KW RATING IS FOR OUTDOOR AND INDOOR UNITS.

LOW CFM

Air Handler	Coil	MBH	KW	COP
AV/SV48	-	1.00	0.98	1.02
AV/SV60	-	1.00	0.98	1.02
MV16C	FC/MC48C	1.00	0.98	1.02
MV20D	FC/MC48D	1.00	0.98	1.02
MV20D	FC/MC60D	1.00	0.98	1.02

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P(C,V)8*C16	FC/MC/PC48C	0.98	0.98	1.02
P(C,V)8*C20	FC/MC/PC48C	1.00	0.98	1.02
P(C,V)9*C16	FC/MC/PC48C	1.00	1.00	1.00
P(C,V)9*C20	FC/MC/PC48C	1.00	0.97	1.03
P(C,V)9*D20	FC/MC/PC48D	1.00	0.97	1.03
P(C,V)8*C16	FC/PC60C	0.98	0.98	1.02
P(C,V)8*C20	FC/PC60C	1.00	0.98	1.02
P(C,V)9*C16	FC/PC60C	0.98	1.03	0.97
P(C,V)9*C20	FC/PC60C	0.98	1.03	0.97
P(C,V)9*D20	FC/MC/PC60D	1.00	0.97	1.03
P(C,V)8*C20	FC/MC62D	1.00	0.98	1.02
P(C,V)9*C20	FC/MC62D	0.98	1.03	0.97
P(C,V)9*D20	FC/MC62D	1.00	0.97	1.03

HEATING PERFORMANCE DATA - HIGH CFM 2-STAGE OPERATION										
OUTDOOR UNIT MODEL NO.		**YZH04811**								
INDOOR COIL MODEL NO.		**FC/MC62D + MV20D**								
AIR TEMP. ENTERING OUTDOOR UNIT	**AIR TEMP. ENTERING INDOOR COIL**	ID CFM								
		1423			1523			1623		
		MBTUH	KW	C.O.P.	MBTUH	KW	C.O.P.	MBTUH	KW	C.O.P.
60	60	59.6	3.3	5.3	60.0	3.2	5.4	60.4	3.2	5.6
	70	58.2	3.6	4.7	58.6	3.5	4.9	59.0	3.5	5.0
	80	56.8	3.9	4.3	57.2	3.8	4.4	57.6	3.8	4.5
47	60	49.4	3.1	4.7	49.6	3.0	4.8	49.9	3.0	4.9
	70	48.4	3.4	4.2	48.6	3.3	4.3	48.9	3.3	4.4
	80	47.4	3.6	3.8	47.6	3.6	3.9	47.8	3.5	4.0
40	60	44.4	3.0	4.4	44.5	2.9	4.4	44.5	2.9	4.5
	70	43.7	3.3	3.9	43.8	3.2	4.0	43.8	3.2	4.1
	80	43.0	3.6	3.5	43.1	3.5	3.6	43.1	3.4	3.7
30	60	38.0	2.8	3.9	38.1	2.8	4.0	38.2	2.8	4.1
	70	37.5	3.1	3.5	37.6	3.1	3.6	37.7	3.0	3.6
	80	37.0	3.4	3.2	37.1	3.3	3.3	37.2	3.3	3.3
17	60	30.4	2.7	3.3	30.5	2.6	3.4	30.6	2.6	3.5
	70	30.1	2.9	3.0	30.2	2.9	3.1	30.3	2.9	3.1
	80	29.8	3.2	2.8	29.9	3.1	2.8	30.0	3.1	2.8
10	60	26.7	2.6	3.1	26.8	2.5	3.1	26.9	2.5	3.2
	70	26.4	2.8	2.8	26.5	2.8	2.8	26.6	2.7	2.8
	80	26.1	3.0	2.5	26.3	3.0	2.6	26.4	3.0	2.6
NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT AT 1250 BTUH/1000 CFM.										

Multipliers for determining the performance with other indoor sections.

NOTE: KW RATING IS FOR OUTDOOR AND INDOOR UNITS.

HIGH CFM

Air Handler	Coil	MBH	KW	COP
AV/SV48	-	1.00	0.98	1.02
AV/SV60	-	1.00	0.97	1.03
MV16C	FC/MC48C	1.00	0.98	1.02
MV20D	FC/MC48D	1.00	1.00	1.00
MV20D	FC/MC60D	1.00	1.00	1.00

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P(C,V)8*C16	FC/MC/PC48C	1.00	0.96	1.04
P(C,V)8*C20	FC/MC/PC48C	1.00	0.96	1.04
P(C,V)9*C16	FC/MC/PC48C	1.00	0.95	1.05
P(C,V)9*C20	FC/MC/PC48C	1.00	0.96	1.04
P(C,V)9*D20	FC/MC/PC48D	1.00	0.97	1.03
P(C,V)8*C16	FC/PC60C	1.00	0.96	1.04
P(C,V)8*C20	FC/PC60C	1.00	0.96	1.04
P(C,V)9*C16	FC/PC60C	1.00	0.95	1.05
P(C,V)9*C20	FC/PC60C	1.00	0.96	1.04
P(C,V)9*D20	FC/MC/PC60D	1.00	0.97	1.03
P(C,V)8*C20	FC/MC62D	1.00	0.96	1.04
P(C,V)9*C20	FC/MC62D	1.00	0.96	1.04
P(C,V)9*D20	FC/MC62D	1.00	0.97	1.03

HEATING PERFORMANCE DATA - LOW CFM 1-STAGE OPERATION										
OUTDOOR UNIT MODEL NO.		**YZH06011**								
INDOOR COIL MODEL NO.		**FC/MC62D + MV20D**								
AIR TEMP. ENTERING OUTDOOR UNIT	**AIR TEMP. ENTERING INDOOR COIL**	ID CFM								
		1066			1116			1166		
		MBTUH	KW	C.O.P.	MBTUH	KW	C.O.P.	MBTUH	KW	C.O.P.
60	60	50.9	3.5	4.3	51.1	3.4	4.4	51.2	3.4	4.5
	70	50.1	3.9	3.8	50.2	3.8	3.9	50.4	3.7	4.0
	80	49.3	4.2	3.4	49.4	4.1	3.5	49.6	4.1	3.6
47	60	41.8	3.3	3.7	41.9	3.3	3.7	41.9	3.2	3.8
	70	41.3	3.7	3.3	41.3	3.6	3.3	41.3	3.6	3.4
	80	40.7	4.1	2.9	40.8	4.0	3.0	40.8	3.9	3.0
40	60	37.0	3.3	3.3	36.9	3.2	3.4	36.8	3.2	3.4
	70	36.9	3.6	3.0	36.9	3.6	3.0	36.9	3.5	3.1
	80	36.9	4.0	2.7	36.9	4.0	2.7	36.9	3.9	2.8
30	60	31.3	3.2	2.9	31.3	3.1	2.9	31.3	3.1	3.0
	70	31.3	3.5	2.6	31.4	3.5	2.6	31.4	3.5	2.7
	80	31.4	3.9	2.4	31.5	3.9	2.4	31.5	3.8	2.4
17	60	24.2	3.0	2.3	24.3	3.0	2.4	24.3	3.0	2.4
	70	24.8	3.5	2.1	25.0	3.5	2.1	25.2	3.5	2.1
	80	25.4	4.0	1.9	25.7	3.9	1.9	26.0	3.9	1.9
10	60	21.0	3.0	2.1	21.0	2.9	2.1	21.1	2.9	2.1
	70	21.6	3.5	1.8	21.8	3.5	1.8	22.0	3.5	1.9
	80	22.2	4.0	1.6	22.6	4.0	1.7	23.0	4.0	1.7
NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT AT 1250 BTUH/1000 CFM.										

Multipliers for determining the performance with other indoor sections.

NOTE: KW RATING IS FOR OUTDOOR AND INDOOR UNITS.

LOW CFM

Air Handler	Coil	MBH	KW	COP
AV/SV60	-	1.00	1.00	1.00
MV20D		1.00	1.00	1.00

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P(C,V)8*C20	FC/PC60C	1.00	0.98	1.02
P(C,V)9*C20	FC/PC60C	0.98	0.98	1.02
P(C,V)9*D20	FC/MC/PC60D	0.98	0.98	1.02
P(C,V)8*C20	FC/MC62D	1.00	0.98	1.02
P(C,V)9*C20	FC/MC62D	0.98	0.98	1.02
P(C,V)9*D20	FC/MC62D	0.98	0.98	1.02

HEATING PERFORMANCE DATA - HIGH CFM 2-STAGE OPERATION										
OUTDOOR UNIT MODEL NO.		**YZH06011**								
INDOOR COIL MODEL NO.		**FC/MC62D + MV20D**								
AIR TEMP. ENTERING OUTDOOR UNIT	**AIR TEMP. ENTERING INDOOR COIL**	ID CFM								
		1621			1721			1821		
		MBTUH	KW	C.O.P.	MBTUH	KW	C.O.P.	MBTUH	KW	C.O.P.
60	60	72.8	4.3	5.0	73.2	4.2	5.1	73.7	4.1	5.2
	70	71.5	4.7	4.5	71.9	4.6	4.6	72.3	4.5	4.7
	80	70.2	5.1	4.1	70.6	5.0	4.1	70.9	4.9	4.2
47	60	60.3	4.0	4.4	60.5	3.9	4.5	60.8	3.9	4.6
	70	59.4	4.4	4.0	59.7	4.3	4.1	59.9	4.2	4.2
	80	58.6	4.7	3.6	58.8	4.7	3.7	59.0	4.6	3.8
40	60	53.7	3.8	4.1	53.8	3.8	4.2	53.9	3.7	4.3
	70	53.1	4.2	3.7	53.2	4.1	3.8	53.3	4.1	3.8
	80	52.4	4.6	3.4	52.6	4.5	3.4	52.8	4.4	3.5
30	60	45.9	3.6	3.7	46.1	3.6	3.8	46.3	3.5	3.8
	70	45.4	4.0	3.3	45.6	3.9	3.4	45.7	3.9	3.5
	80	45.0	4.3	3.0	45.1	4.3	3.1	45.1	4.2	3.1
17	60	36.6	3.4	3.2	36.7	3.3	3.2	36.8	3.3	3.3
	70	36.6	3.7	2.9	36.6	3.7	2.9	36.7	3.6	3.0
	80	36.5	4.1	2.6	36.6	4.0	2.7	36.6	4.0	2.7
10	60	32.5	3.2	2.9	32.6	3.2	3.0	32.6	3.2	3.0
	70	32.5	3.6	2.7	32.5	3.5	2.7	32.6	3.5	2.7
	80	32.5	3.9	2.4	32.5	3.9	2.5	32.6	3.8	2.5
NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT AT 1250 BTUH/1000 CFM.										

Multipliers for determining the performance with other indoor sections.

NOTE: KW RATING IS FOR OUTDOOR AND INDOOR UNITS.

HIGH CFM

Air Handler	Coil	MBH	KW	COP
AV/SV60	-	1.00	0.98	1.02
MV20D		1.00	1.00	1.00

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P(C,V)8*C20	FC/PC60C	1.00	0.97	1.03
P(C,V)9*C20	FC/PC60C	1.00	0.97	1.03
P(C,V)9*D20	FC/MC/PC60D	1.00	0.97	1.03
P(C,V)8*C20	FC/MC62D	1.00	0.97	1.03
P(C,V)9*C20	FC/MC62D	1.00	0.97	1.03
P(C,V)9*D20	FC/MC62D	1.00	0.97	1.03

NOTES

345094-YTG-D-0108
Supersedes: 345094-YTG-C-1007

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