



YORK®

Heating and Air Conditioning

TECHNICAL GUIDE

LX SERIES

SPLIT-SYSTEM HEAT PUMPS

13 SEER – R-410A – 1 PHASE

1.5 THRU 5 NOMINAL TONS

MODELS: YHJR18 THRU 60



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

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www.ahridirectory.org

WARRANTY SUMMARY*

Standard 5-Years limited parts warranty.

Standard 10-Years limited compressor warranty.

Extended 10-Years limited parts warranty when product is registered online within 90 days of purchase for replacement or closing for new home construction.

*Does not apply to R-22 models, 3-Phase models, or internet sales. See Limited Warranty certificate in User's Information Manual for details.

DESCRIPTION

The 13 SEER Series unit is the outdoor part of a versatile climate system. It is designed with a matching indoor coil component from Johnson Controls Unitary Products. Available for typical applications this climate system is supported with accessories and documents to serve specific functions.

FEATURES

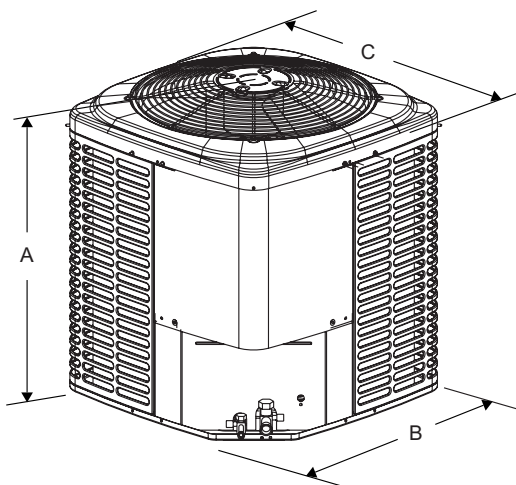
- **Small Footprint** - The ECM indoor match results in a compact outdoor unit, perfect for applications requiring the minimum footprint possible.
- **Quality Condenser Coils** - The coil is constructed of copper tubing and enhanced aluminum fins for increased performance.
- **Coil Protection** - Coils are protected from damage by a slotted, stamped steel coil guard.
- **Protected Compressor** - Compressors are protected internally by a high pressure relief valve and a temperature sensor, and externally by the system high pressure switch. A factory installed liquid line filter-drier further protects the compressor against moisture and debris.
- **Environmentally Friendly Refrigerant** - The next generation refrigerant R-410A delivers environmentally friendly performance with zero ozone depletion.
- **Durable Finish** - The cabinet is made of G90-equivalent pre-painted steel, with special primer formulas and matte champagne texture to insure less fading when exposed to sunlight. The coated steel wire fan guard and pre-treated, galvanized steel chassis components resist corrosion and rust creep.
- **Lower Installed Cost** - Installation time and costs are reduced by easy power and control wiring connections. The unit is factory charged for a 15-foot lineset. The small base dimension means less space is required on the ground or roof.
- **Top Discharge** - 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 away from the living area. The rigid top panel effectively isolates any motor sound. Isolator mounted compressor and 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 for easy servicing of the unit.
- **Secured Service Valves** - Secured, re-usable service valves are provided on both the liquid and vapor sweat connections for ease of evacuating and charging.
- **Agency Listed** - Safety certified by CSA to UL 1995 / CSA 22.2. Performance certified to ANSI/AHRI Standard 210/240 in accordance with the Unitary Small Equipment certification program.

Physical and Electrical Data

MODEL	YHJR18 S41S3	YHJR24 S41S4	YHJR30 S41S4	YHJR36 S41S4	YHJR42 S41S4	YHJR48 S41S14	YHJR60 S41S5
Unit Supply Voltage	208-230V, 1 ϕ , 60Hz						
Normal Voltage Range ¹	187 to 252						
Minimum Circuit Ampacity	11.2	12.4	14.9	19.9	21.1	23.0	42.6
Max. Overcurrent Device Amps ²	15	20	25	30	35	40	70
Min. Overcurrent Device Amps ³	15	15	15	20	25	25	45
Compressor Type	Recip	Recip	Recip	Recip	Recip	Recip	Scroll
Compressor Amps	Rated Load	8.3	9.3	11.3	14.7	15.7	33.0
	Locked Rotor	43.0	43.0	54.0	74.0	88.0	134.0
Crankcase Heater	Yes	Yes	Yes	Yes	Yes	Yes	No
Factory External Discharge Muffler	No	No	Yes	Yes	Yes	Combined DM/CV	Yes
Factory External Check Valve	No	No	No	No	No		No
HS Kit Required with TXV ⁴	Yes*	Yes*	Yes*	Yes*	Yes*	No	No
Fan Motor Amps	Rated Load	0.8	0.8	0.8	1.5	1.5	1.5
Fan Diameter Inches	18	18	22	24	24	24	24
Fan Motor	Rated HP	1/8	1/8	1/8	1/4	1/4	1/4
	Nominal RPM	1075	1075	1075	850	850	850
	Nominal CFM	2000	2000	2500	3500	3500	3900
Coil	Face Area Sq. Ft.	9.3	9.3	12.8	15.7	15.7	23.6
	Rows Deep	1	1	1	1	1	2
	Fins / Inch	18	18	18	22	22	18
Liquid Line Set OD (Field Installed)	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Vapor Line Set OD (Field Installed)	3/4	3/4	3/4	3/4	7/8	7/8	1-1/8
Unit Charge (Lbs. - Oz.) ⁵	5 - 6	4 - 15	7 - 9	6 - 7	7 - 7	10 - 0	15 - 0
Charge Per Foot, Oz.	0.62	0.62	0.62	0.62	0.67	0.67	.76
Operating Weight Lbs.	145	145	176	193	198	248	290

* These models are shipped with a Hard Start Kit installed at the factory.

1. Rated in accordance with AHRI Standard 110-2012, 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. See Hard Start Kit Accessory Installation Manual for Hard Start Kit part number for each model.
5. The Unit Charge is correct for the outdoor unit, smallest matched indoor unit, 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.



Overall length and width include screw heads.

Unit Model	Dimensions (Inches)			Refrigerant Connection Service Valve Size	
	A	B	C	Liquid	Vapor
18	28-1/4	24	24	3/8	3/4
24	28-1/4	24	24		
30	28-1/4	29-1/2	29-1/2		
36	28-1/4	34	34		7/8
42	28-1/4	34	34		
48	40-1/4	34	34		
60	40-1/4	34	34	7/8 *	

* Adapter fitting required for 1-1/8" line set.

All dimensions are in inches and are subject to change without notice.
Overall height is from bottom of base pan to top of fan guard.

System Charge for Various Matched Systems							
Outdoor Unit	YHJR18S41S3	YHJR24S41S4	YHJR30S41S4	YHJR36S41S4	YHJR42S41S4	YHJR48S41S4	YHJR60S41S5
Required Orifice or TXV ^{1,2}	.049, .051 / 4F1	.055, .058 / 4G1	.063, .065 / 4G1	.069, .071 / 4H1	.073, .075 / 4J1	.078 / 4K1	4K1
Indoor Unit ^{3,4,5}	Additional Charge, Oz						
AHE18B	.051 / TXV + 9	-	-	-	-	-	-
AHE22B	-	.058 / TXV + 0	-	-	-	-	-
AHE24B	-	.055 / TXV + 26	-	-	-	-	-
AHE30B	-	.055 / TXV + 26	.065 / TXV + 0	-	-	-	-
AHE34C	-	-	.065 / TXV + 0	.071 + 0 / TXV + 6	-	-	-
AHE36C	-	-	.063 / TXV + 7	.069 / TXV + 15	-	-	-
AHE42D	-	-	-	-	.073 / TXV + 0	-	-
AHE48D	-	-	-	-	.075 / TXV + 20	.078 / TXV + 0	-
AHE60D	-	-	-	-	-	.078 / TXV + 29	TXV + 0
AHR60D	-	-	-	-	-	-	TXV + 0
AHV18B	.051 / TXV + 9	-	-	-	-	-	-
AHV24B	-	.055 / TXV + 21	-	-	-	-	-
AHV30B	-	.055 / TXV + 21	-	-	-	-	-
AHV36C	-	-	.063 / TXV + 7	.069 / TXV + 15	-	-	-
AHV42D	-	-	-	-	.073 / TXV + 0	-	-
AHV48D	-	-	-	-	.075 / TXV + 20	.078 / TXV + 0	-
AHV60D	-	-	-	-	-	.078 / TXV + 29	TXV + 0
AV*24	.051 / TXV + 2	.055 / TXV + 9	-	-	-	-	-
AV*36	-	-	.063 / TXV + 7	.069 / TXV + 15	-	-	-
AV*48	-	-	-	-	.075 / TXV + 20	.078 / TXV + 21	-
AV*60	-	-	-	-	.075 / TXV + 20	.078 / TXV + 21	-
FC/MC/PC/UC18	.051 / TXV + 0	-	-	-	-	-	-
FC/MC/PC/UC24	.049 / TXV + 18	.055 / TXV + 9	-	-	-	-	-
FC/MC/PC/UC30	.049 / TXV + 18	.055 / TXV + 9	-	-	-	-	-
FC/MC/PC35	-	-	.065 / TXV + 0	.069 / TXV + 11	-	-	-
FC/MC/PC43	-	-	.063 / TXV + 7	.069 / TXV + 15	-	-	-
FC/MC/PC/UC48	-	-	-	-	.075 / TXV + 17	-	-
FC/MC/PC/UC60	-	-	-	-	.075 / TXV + 20	.078 / TXV + 21	-
FC/MC62	-	-	-	-	-	.078 / TXV + 29	TXV + 0
FC64	-	-	-	-	-	-	TXV + 23

Some of the combinations shown in the above System Charge table require Advanced Main Air Circulating Fan indoor product. For approved coil only matches, please see the "COOLING CAPACITY - Upflow, Downflow & Horizontal Furnaces and Coils" table.

FOOTNOTES:

1. For applications requiring a TXV use S1-1TVM*** series kit.
2. Approved orifice(s) shipped with outdoor unit.
3. Systems matched with furnaces or air handlers not equipped with blower-off delays may require blower Time Delay Kit S1-2FD06700224.
4. PC coils cannot be used in downflow or horizontal applications. FC coils cannot be used in horizontal applications.
5. Refer to Cooling and Heating Performance Data tables for actual performance for specified system matches.

PROCEDURES:

1. Unit factory charge listed on the unit nameplate includes refrigerant for the outdoor unit, the smallest matched indoor unit, and 15 feet of interconnecting line tubing.
2. Verify the TXV or orifice and additional charge required for specific matched indoor unit in the system using the above table.
3. Add additional charge for the amount of interconnecting line tubing greater than 15 feet at the rate specified in Physical and Electrical Data Table.
4. For indoor matches requiring additional charge, the refrigerant needs to be weighed in for specific matched indoor unit and lineset length.
5. Permanently mark the unit nameplate with the total system charge. Total System Charge = Base Charge (as shipped) + charge adder for matched indoor unit + charge adder for line set.

COOLING CAPACITY - With Air Handler Coils

UNIT MODEL	AIR HANDLER		COIL MODEL ¹	COOLING				
	MODEL	WIDTH		RATED CFM	NET MBH		SEER	EER
					TOTAL	SENS.		
13 SEER HP WITH AIR HANDLERS								
YHJR18S41S3	AHE18B	17.5	–	610	18.0	12.9	13.00	11.00
	AHV18B	17.5	–	615	18.0	13.4	13.00	11.00
	AV*24	17.5	–	595	18.0	13.5	13.00	11.00
	MV12B	17.5	FC/MC18B	655	18.0	13.5	13.00	11.00
	MV12B	17.5	FC/MC24B	655	18.0	13.5	13.00	11.00
	MV12B	17.5	FC/MC30B	655	18.0	13.5	13.00	11.00
	MX12B	17.5	FC/MC18B	585	18.0	13.0	13.00	11.00
	MX12B	17.5	FC/MC24B	645	18.0	13.2	13.00	11.00
YHJR24S41S4	MX12B	17.5	FC/MC30B	645	18.0	13.2	13.00	11.00
	AHE22B	17.5	–	805	22.8	18.4	13.00	10.90
	AHE24B	17.5	–	820	22.6	16.3	13.00	11.00
	AHE30B	17.5	–	820	22.6	16.3	13.00	11.00
	AHV24B	17.5	–	710	23.6	16.2	13.00	11.00
	AHV30B	17.5	–	775	24.0	17.0	13.00	11.00
	AV*24	17.5	–	815	23.6	17.9	13.00	11.00
	MV12B	17.5	FC/MC24B	770	23.0	17.9	13.00	11.00
YHJR30S41S4	MV12B	17.5	FC/MC30B	770	23.0	17.5	13.00	11.00
	MX12B	17.5	FC/MC24B	780	24.0	18.0	13.00	11.00
	MX12B	17.5	FC/MC30B	780	24.0	17.5	13.00	11.00
	AHE30B	17.5	–	1030	28.8	17.6	13.00	11.00
	AHE34C	21.0	–	985	30.0	17.6	13.00	11.00
	AHE36C	21.0	–	1000	30.0	22.2	13.00	11.00
	AHV36C	21.0	–	895	30.0	26.0	13.35	11.45
	AV*36	21.0	–	1005	30.0	22.8	13.00	11.00
YHJR36S41S4	MV12B	17.5	FC/MC43B	1050	30.0	21.7	13.00	11.00
	MV16C	21.0	FC/MC35C	1095	30.0	21.7	13.00	11.00
	MV16C	21.0	FC/MC43C	1095	30.0	23.4	13.00	11.00
	MX12B	17.5	FC/MC35B	1085	30.0	21.7	13.00	11.00
	MX12B	17.5	FC/MC43B	1095	30.0	21.7	13.00	11.00
	AHE34C	21.0	–	1215	34.2	24.0	13.00	11.00
	AHE36C	21.0	–	1190	35.6	25.0	13.00	11.00
	AHV36C	21.0	–	940	35.6	27.6	13.00	11.00
YHJR42S41S4	AV*36	21.0	–	1230	35.0	26.4	13.00	11.00
	MV16C	21.0	FC/MC35C	1215	34.2	25.0	13.00	11.00
	MV16C	21.0	FC/MC43C	1215	35.0	25.8	13.00	11.00
	MX12B	17.5	FC/MC35B	1215	34.8	25.6	13.00	11.00
	MX12B	17.5	FC/MC43B	1220	35.6	25.6	13.00	11.00
	MX16C	21.0	FC/MC43C	1140	35.4	26.4	13.00	11.00
	AHE42D	24.5	–	1375	39.0	26.0	13.00	11.00
	AHE48D	24.5	–	1385	39.5	26.0	13.00	11.00
YHJR42S41S4	AHV42D	24.0	–	1385	40.5	31.0	13.35	11.45
	AHV48D	24.0	–	1300	40.0	30.0	13.35	11.45
	AV*48	24.5	–	1440	39.5	26.0	13.00	11.00
	AV*60	24.5	–	1400	39.5	26.0	13.00	11.00
	MV16C	21.0	FC/MC48C	1400	39.5	31.0	13.00	11.00
	MV16C	21.0	FC60C	1400	39.5	26.0	13.00	11.00
	MV20D	24.5	FC/MC48D	1430	39.5	31.6	13.00	11.00
	MV20D	24.5	FC/MC60D	1430	39.5	26.0	13.00	11.00
	MX16C	21.0	FC/MC48C	1390	39.5	31.0	13.00	11.00
	MX16C	21.0	FC60C	1420	39.5	26.0	13.00	11.00
	MX20D	24.5	FC/MC48D	1415	39.5	31.6	13.00	11.00
	MX20D	24.5	FC/MC60D	1470	39.5	26.0	13.00	11.00

For Notes See Page 5.

COOLING CAPACITY - With Air Handler Coils (Continued)

UNIT MODEL	AIR HANDLER		COIL MODEL ¹	COOLING				
	MODEL	WIDTH		RATED CFM	NET MBH		SEER	EER
					TOTAL	SENS.		
13 SEER HP WITH AIR HANDLERS								
YHJR48S41S4	AHE48D	24.5	—	1605	45.5	31.6	13.00	11.00
	AHE60D	24.5	—	1565	47.5	31.6	13.00	11.00
	AHV48D	24.0	—	1585	47.0	33.4	13.00	11.00
	AHV60D	24.0	—	1570	47.0	34.2	13.00	11.00
	AV*48	24.5	—	1605	47.0	31.1	13.00	11.00
	AV*60	24.5	—	1600	47.0	31.6	13.00	11.00
	MV20D	24.5	FC/MC60D	1595	47.0	31.2	13.00	11.00
	MV20D	24.5	FC/MC62D	1595	47.5	31.6	13.00	11.00
	MX20D	24.5	FC/MC60D	1585	47.5	31.2	13.00	11.00
MX20D	24.5	FC/MC62D	1605	48.0	31.8	13.00	11.00	
YHJR60S41S5	AHE60D	24.5	—	1950	58.0	41.5	13.00	11.00
	AHR60D	24.5	—	1835	58.0	41.0	14.00	12.00
	AHV60D	24.0	—	1635	54.0	39.0	14.00	11.75
	MV20D	24.5	FC/MC62D	1855	58.0	35.8	13.75	11.60
	MV20D	24.5	FC64D	1855	57.0	43.0	13.40	11.50
	MX20D	24.5	FC/MC62D	1795	59.0	36.2	14.00	12.00
	MX20D	24.5	FC64D	1795	57.0	42.5	13.75	11.60
<p>Rated in accordance with DOE test procedures (Federal Register 12-27-79 and 3-18-88) and ANSI/AHRI Standard 210/240. Cooling MBH based on 80 °F entering air temperature, 50% RH (Relative Humidity), and rated air flow. EER (Energy Efficiency Ratio) is the total cooling output in BTUs 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 BTUs during a normal annual usage period for cooling divided by the total electric power input in watt-hours during the same period.</p>								

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

— = Not applicable.

MA Modular Air Handlers use Coil Only Ratings.

COOLING CAPACITY - Upflow, Downflow & Horizontal Furnaces and Coils (Coil Only Ratings)

UNIT MODEL	COIL		CFM RANGE (MIN.-MAX.)	COOLING				
	MODEL	WIDTH		RATED CFM	NET MBH		SEER ¹	EER
					TOTAL	SENS.		
13 SEER HP COIL ONLY RATINGS								
YHJR60S41S5	FC/MC62	24.5	1600 - 2000	1800	57.5	41.0	13.25	11.35
	FC64	24.5	1600 - 2000	1800	56.5	42.5	13.00	11.00

1. Requires a S1-2FD06700224 Blower Time Delay unless a standard furnace is equipped with one.

MA Modular Air Handlers use Coil Only Ratings.

PSC furnaces, such as the TG8S, TGLS, and TG9S, use Coil Only Ratings.

COOLING CAPACITY - With High Efficiency Motor Furnaces

UNIT MODEL	FURNACE		COIL MODEL ¹	COOLING				
	MODEL	WIDTH		RATED CFM	Net MBH		SEER	EER
					TOTAL	SENS.		
13 SEER HP WITH HIGH EFFICIENCY MOTOR FURNACES²								
YHJR18S41S3	T*(8,L)V*A12	14.5	FC/MC/PC/UC24A	600	18.0	13.5	13.00	11.00
	T*(8,L)V*A12	14.5	FC/MC/PC/UC30A	600	18.0	13.5	13.00	11.00
	T*(8,L)V*B12	17.5	FC/MC/PC/UC24B	580	18.0	13.5	13.00	11.00
	T*(8,L)V*B12	17.5	FC/MC/PC/UC30B	580	18.0	13.5	13.00	11.00
	T*(8,L)X*A12	14.5	FC/MC/PC/UC24A	600	18.0	13.5	13.00	11.00
	T*(8,L)X*A12	14.5	FC/MC/PC/UC30A	600	18.0	13.5	13.00	11.00
	T*(8,L)X*B12	17.5	FC/MC/PC/UC24B	580	18.0	13.5	13.00	11.00
	T*(8,L)X*B12	17.5	FC/MC/PC/UC30B	580	18.0	13.5	13.00	11.00
	T*9(C,V)*B12	17.5	FC/MC/PC/UC24B	600	18.0	13.5	13.00	11.00
	T*9(C,V)*B12	17.5	FC/MC/PC/UC30B	600	18.0	13.5	13.00	11.00
	T*9V*A10	17.5	FC/MC/PC/UC24B	575	18.0	13.5	13.00	11.00
	T*9X*A10	17.5	FC/MC/PC/UC24B	595	18.0	13.5	13.05	11.00
	T*9X*B12	17.5	FC/MC/PC/UC24B	600	18.0	13.5	13.00	11.00
	T*9X*B12	17.5	FC/MC/PC/UC30B	600	18.0	13.5	13.00	11.00
	Y*(8,L)C*A12	14.5	FC/MC/PC/UC24A	600	18.0	13.5	13.00	11.00
	Y*(8,L)C*A12	14.5	FC/MC/PC/UC30A	600	18.0	13.5	13.00	11.00
	Y*(8,L)C*B12	17.5	FC/MC/PC/UC24B	580	18.0	13.5	13.00	11.00
	Y*(8,L)C*B12	17.5	FC/MC/PC/UC30B	580	18.0	13.5	13.00	11.00
	Y*9C*B12	17.5	FC/MC/PC/UC24B	600	18.0	13.5	13.00	11.00
	Y*9C*B12	17.5	FC/MC/PC/UC30B	600	18.0	13.5	13.00	11.00
YHJR24S41S4	T*(8,L)V*A12	14.5	FC/MC/PC24A	815	23.6	18.0	13.00	11.00
	T*(8,L)V*A12	14.5	FC/MC/PC30A	815	23.6	18.0	13.00	11.00
	T*(8,L)V*A12	14.5	UC24A	815	23.6	18.0	13.00	11.00
	T*(8,L)V*A12	14.5	UC30A	815	23.6	18.0	13.00	11.00
	T*(8,L)V*B12	17.5	FC/MC/PC24B	775	23.6	18.0	13.00	11.00
	T*(8,L)V*B12	17.5	FC/MC/PC30B	775	23.6	18.0	13.00	11.00
	T*(8,L)V*B12	17.5	UC24B	775	23.6	18.0	13.00	11.00
	T*(8,L)V*B12	17.5	UC30B	775	23.6	18.0	13.00	11.00
	T*(8,L)X*A12	14.5	FC/MC/PC24A	815	23.6	18.0	13.00	11.00
	T*(8,L)X*A12	14.5	FC/MC/PC30A	815	23.6	18.0	13.00	11.00
	T*(8,L)X*A12	14.5	UC24A	815	23.6	18.0	13.00	11.00
	T*(8,L)X*A12	14.5	UC30A	815	23.6	18.0	13.00	11.00
	T*(8,L)X*B12	17.5	FC/MC/PC24B	775	23.6	18.0	13.00	11.00
	T*(8,L)X*B12	17.5	FC/MC/PC30B	775	23.6	18.0	13.00	11.00
	T*(8,L)X*B12	17.5	UC24B	775	23.6	18.0	13.00	11.00
	T*(8,L)X*B12	17.5	UC30B	775	23.6	18.0	13.00	11.00
	T*9(C,V)*B12	17.5	FC/MC/PC24B	760	23.6	18.0	13.00	11.00
	T*9(C,V)*B12	17.5	FC/MC/PC30B	760	23.6	18.0	13.00	11.00
	T*9(C,V)*B12	17.5	UC24B	760	23.6	18.0	13.00	11.00
	T*9(C,V)*B12	17.5	UC30B	760	23.6	18.0	13.00	11.00
	T*9X*B12	17.5	FC/MC/PC24B	760	23.6	18.0	13.00	11.00
	T*9X*B12	17.5	FC/MC/PC30B	760	23.6	18.0	13.00	11.00
	T*9X*B12	17.5	UC24B	760	23.6	18.0	13.00	11.00
	T*9X*B12	17.5	UC30B	760	23.6	18.0	13.00	11.00
	Y*(8,L)C*A12	14.5	FC/MC/PC24A	815	23.6	18.0	13.00	11.00
	Y*(8,L)C*A12	14.5	FC/MC/PC30A	815	23.6	18.0	13.00	11.00
	Y*(8,L)C*A12	14.5	UC24A	815	23.6	18.0	13.00	11.00
	Y*(8,L)C*A12	14.5	UC30A	815	23.6	18.0	13.00	11.00
	Y*(8,L)C*B12	17.5	FC/MC/PC24B	775	23.6	18.0	13.00	11.00

For Notes See Page 9.

COOLING CAPACITY - With High Efficiency Motor Furnaces (Continued)

UNIT MODEL	FURNACE		COIL MODEL ¹	COOLING				
	MODEL	WIDTH		RATED CFM	Net MBH		SEER	EER
					TOTAL	SENS.		
13 SEER HP WITH HIGH EFFICIENCY MOTOR FURNACES²								
YHJR24S41S4	Y*(8,L)C*B12	17.5	FC/MC/PC30B	775	23.6	18.0	13.00	11.00
	Y*(8,L)C*B12	17.5	UC24B	775	23.6	18.0	13.00	11.00
	Y*(8,L)C*B12	17.5	UC30B	775	23.6	18.0	13.00	11.00
	Y*9C*B12	17.5	FC/MC/PC24B	760	23.6	18.0	13.00	11.00
	Y*9C*B12	17.5	FC/MC/PC30B	760	23.6	18.0	13.00	11.00
	Y*9C*B12	17.5	UC24B	760	23.6	18.0	13.00	11.00
	Y*9C*B12	17.5	UC30B	760	23.6	18.0	13.00	11.00
YHJR30S41S4	T*(8,L)V*B12	17.5	FC/MC/PC43B	960	30.0	21.7	13.00	11.00
	T*(8,L)V*C16	21.0	FC/MC/PC43C	1000	30.0	21.7	13.00	11.00
	T*(8,L)X*B12	17.5	FC/MC/PC43B	960	30.0	21.7	13.00	11.00
	T*(8,L)X*C16	21.0	FC/MC/PC43C	1000	30.0	21.7	13.00	11.00
	T*9(C,V)*B12	17.5	FC/MC/PC43B	1000	30.0	21.7	13.00	11.00
	T*9(C,V)*C16	21.0	FC/MC/PC43C	995	30.0	21.7	13.00	11.00
	T*9X*B12	17.5	FC/MC/PC43B	1000	30.0	21.7	13.00	11.00
	T*9X*C16	21.0	FC/MC/PC43C	995	30.0	21.7	13.00	11.00
	Y*(8,L)C*B12	17.5	FC/MC/PC43B	960	30.0	21.7	13.00	11.00
	Y*(8,L)C*C16	21.0	FC/MC/PC43C	1000	30.0	21.7	13.00	11.00
	Y*9C*B12	17.5	FC/MC/PC43B	1000	30.0	21.7	13.00	11.00
	Y*9C*C16	21.0	FC/MC/PC43C	995	30.0	21.7	13.00	11.00
YHJR36S41S4	T*(8,L)V*C16	21.0	FC/MC/PC43C	1200	34.2	25.0	13.00	11.00
	T*(8,L)V*C20	21.0	FC/MC/PC43C	1270	34.2	25.0	13.00	11.00
	T*(8,L)X*C16	21.0	FC/MC/PC43C	1200	34.2	25.0	13.00	11.00
	T*(8,L)X*C20	21.0	FC/MC/PC43C	1270	34.2	25.0	13.00	11.00
	T*9(C,V)*C16	21.0	FC/MC/PC43C	1175	34.2	25.0	13.00	11.00
	T*9(C,V)*C20	21.0	FC/MC/PC43C	1270	34.2	25.0	13.00	11.00
	T*9X*C16	21.0	FC/MC/PC43C	1175	34.2	25.0	13.00	11.00
	T*9X*C20	21.0	FC/MC/PC43C	1270	34.2	25.0	13.00	11.00
	Y*(8,L)C*C16	21.0	FC/MC/PC43C	1200	34.2	25.0	13.00	11.00
	Y*(8,L)C*C20	21.0	FC/MC/PC43C	1270	34.2	25.0	13.00	11.00
	Y*9C*C16	21.0	FC/MC/PC43C	1175	34.2	25.0	13.00	11.00
	Y*9C*C20	21.0	FC/MC/PC43C	1270	34.2	25.0	13.00	11.00
YHJR42S41S4	T*(8,L)V*C16	21.0	FC/MC/PC48C	1430	39.5	31.6	13.00	11.00
	T*(8,L)V*C16	21.0	FC/PC60C+TXV	1430	39.5	30.4	13.00	11.00
	T*(8,L)V*C16	21.0	UC48C	1430	39.5	31.6	13.00	11.00
	T*(8,L)V*C16	21.0	UC60C	1430	39.5	30.4	13.00	11.00
	T*(8,L)V*C20	21.0	FC/MC/PC48C	1370	39.5	31.6	13.00	11.00
	T*(8,L)V*C20	21.0	FC/PC60C+TXV	1370	39.5	30.4	13.00	11.00
	T*(8,L)V*C20	21.0	UC48C	1370	39.5	31.6	13.00	11.00
	T*(8,L)V*C20	21.0	UC60C	1370	39.5	30.4	13.00	11.00
	T*(8,L)V*C20	21.0	UC60C+TXV	1370	39.5	30.4	13.00	11.00
	T*(8,L)X*C16	21.0	FC/MC/PC48C	1430	39.5	31.6	13.00	11.00
	T*(8,L)X*C16	21.0	FC/PC60C	1430	39.5	30.4	13.00	11.00
	T*(8,L)X*C16	21.0	FC/PC60C+TXV	1430	39.5	30.4	13.00	11.00
	T*(8,L)X*C16	21.0	UC48C	1430	39.5	31.6	13.00	11.00
	T*(8,L)X*C16	21.0	UC60C	1430	39.5	30.4	13.00	11.00
	T*(8,L)X*C16	21.0	UC60C+TXV	1430	39.5	30.4	13.00	11.00
	T*(8,L)X*C20	21.0	FC/MC/PC48C	1370	39.5	31.6	13.00	11.00
	T*(8,L)X*C20	21.0	FC/PC60C	1370	39.5	30.4	13.00	11.00
	T*(8,L)X*C20	21.0	FC/PC60C+TXV	1370	39.5	30.4	13.00	11.00

For Notes See Page 9.

COOLING CAPACITY - With High Efficiency Motor Furnaces (Continued)

UNIT MODEL	FURNACE		COIL MODEL ¹	COOLING				
	MODEL	WIDTH		RATED CFM	Net MBH		SEER	EER
					TOTAL	SENS.		
13 SEER HP WITH HIGH EFFICIENCY MOTOR FURNACES²								
YHJR42S41S4	T*(8,L)X*C20	21.0	UC48C	1370	39.5	31.6	13.00	11.00
	T*(8,L)X*C20	21.0	UC60C	1370	39.5	30.4	13.00	11.00
	T*(8,L)X*C20	21.0	UC60C+TXV	1370	39.5	30.4	13.00	11.00
	T*9(C,V)*C16	21.0	FC/MC/PC48C	1385	39.5	31.6	13.00	11.00
	T*9(C,V)*C16	21.0	FC/PC60C+TXV	1385	39.5	30.4	13.00	11.00
	T*9(C,V)*C16	21.0	UC48C	1385	39.5	31.6	13.00	11.00
	T*9(C,V)*C16	21.0	UC60C	1385	39.5	30.4	13.00	11.00
	T*9(C,V)*C20	21.0	FC/MC/PC48C	1445	39.5	31.6	13.00	11.00
	T*9(C,V)*C20	21.0	FC/PC60C	1445	39.5	30.4	13.00	11.00
	T*9(C,V)*C20	21.0	FC/PC60C+TXV	1445	39.5	30.4	13.00	11.00
	T*9(C,V)*C20	21.0	UC48C	1445	39.5	31.6	13.00	11.00
	T*9(C,V)*C20	21.0	UC60C	1445	39.5	30.4	13.00	11.00
	T*9(C,V)*C20	21.0	UC60C+TXV	1445	39.5	30.4	13.00	11.00
	T*9(C,V)*D20	24.5	FC/MC/PC48D	1435	39.5	31.6	13.00	11.00
	T*9(C,V)*D20	24.5	FC/MC/PC60D	1435	39.5	30.4	13.00	11.00
	T*9(C,V)*D20	24.5	FC/MC/PC60D+TXV	1435	39.5	30.4	13.00	11.00
	T*9(C,V)*D20	24.5	UC48D	1435	39.5	31.6	13.00	11.00
	T*9(C,V)*D20	24.5	UC60D	1435	39.5	30.4	13.00	11.00
	T*9(C,V)*D20	24.5	UC60D+TXV	1435	39.5	30.4	13.00	11.00
	T*9X*C16	21.0	FC/MC/PC48C	1385	39.5	31.6	13.00	11.00
	T*9X*C16	21.0	FC/PC60C	1385	39.5	30.4	13.00	11.00
	T*9X*C16	21.0	FC/PC60C+TXV	1385	39.5	30.4	13.00	11.00
	T*9X*C16	21.0	UC48C	1385	39.5	31.6	13.00	11.00
	T*9X*C16	21.0	UC60C	1385	39.5	30.4	13.00	11.00
	T*9X*C16	21.0	UC60C+TXV	1385	39.5	30.4	13.00	11.00
	T*9X*C20	21.0	FC/MC/PC48C	1445	39.5	31.6	13.00	11.00
	T*9X*C20	21.0	FC/PC60C	1445	39.5	30.4	13.00	11.00
	T*9X*C20	21.0	FC/PC60C+TXV	1445	39.5	30.4	13.00	11.00
	T*9X*C20	21.0	UC48C	1445	39.5	31.6	13.00	11.00
	T*9X*C20	21.0	UC60C	1445	39.5	30.4	13.00	11.00
	T*9X*C20	21.0	UC60C+TXV	1445	39.5	30.4	13.00	11.00
	T*9X*D20	24.5	FC/MC/PC48D	1435	39.5	31.6	13.00	11.00
	T*9X*D20	24.5	FC/MC/PC60D	1435	39.5	30.4	13.00	11.00
	T*9X*D20	24.5	FC/MC/PC60D+TXV	1435	39.5	30.4	13.00	11.00
	T*9X*D20	24.5	UC48D	1435	39.5	31.6	13.00	11.00
	T*9X*D20	24.5	UC60D	1435	39.5	30.4	13.00	11.00
	T*9X*D20	24.5	UC60D+TXV	1435	39.5	30.4	13.00	11.00
	Y*(8,L)C*C16	21.0	FC/MC/PC48C	1430	39.5	31.6	13.00	11.00
	Y*(8,L)C*C16	21.0	FC/PC60C+TXV	1430	39.5	30.4	13.00	11.00
	Y*(8,L)C*C16	21.0	UC48C	1430	39.5	31.6	13.00	11.00
	Y*(8,L)C*C16	21.0	UC60C	1430	39.5	30.4	13.00	11.00
	Y*(8,L)C*C20	21.0	FC/MC/PC48C	1370	39.5	31.6	13.00	11.00
	Y*(8,L)C*C20	21.0	FC/PC60C+TXV	1370	39.5	30.4	13.00	11.00
	Y*(8,L)C*C20	21.0	UC48C	1370	39.5	31.6	13.00	11.00
Y*(8,L)C*C20	21.0	UC60C	1370	39.5	30.4	13.00	11.00	
Y*(8,L)C*C20	21.0	UC60C+TXV	1370	39.5	30.4	13.00	11.00	
Y*9C*C16	21.0	FC/MC/PC48C	1385	39.5	31.6	13.00	11.00	
Y*9C*C16	21.0	FC/PC60C+TXV	1385	39.5	30.4	13.00	11.00	
Y*9C*C16	21.0	UC48C	1385	39.5	31.6	13.00	11.00	

For Notes See Page 9.

COOLING CAPACITY - With High Efficiency Motor Furnaces (Continued)

UNIT MODEL	FURNACE		COIL MODEL ¹	COOLING				
	MODEL	WIDTH		RATED CFM	Net MBH		SEER	EER
					TOTAL	SENS.		
13 SEER HP WITH HIGH EFFICIENCY MOTOR FURNACES²								
YHJR42S41S4	Y*9C*C16	21.0	UC60C	1385	39.5	30.4	13.00	11.00
	Y*9C*C20	21.0	FC/MC/PC48C	1445	39.5	31.6	13.00	11.00
	Y*9C*C20	21.0	FC/PC60C	1445	39.5	30.4	13.00	11.00
	Y*9C*C20	21.0	FC/PC60C+TXV	1445	39.5	30.4	13.00	11.00
	Y*9C*C20	21.0	UC48C	1445	39.5	31.6	13.00	11.00
	Y*9C*C20	21.0	UC60C	1445	39.5	30.4	13.00	11.00
	Y*9C*C20	21.0	UC60C+TXV	1445	39.5	30.4	13.00	11.00
	Y*9C*D20	24.5	FC/MC/PC48D	1435	39.5	31.6	13.00	11.00
	Y*9C*D20	24.5	FC/MC/PC60D	1435	39.5	30.4	13.00	11.00
	Y*9C*D20	24.5	FC/MC/PC60D+TXV	1435	39.5	30.4	13.00	11.00
	Y*9C*D20	24.5	UC48D	1435	39.5	31.6	13.00	11.00
	Y*9C*D20	24.5	UC60D	1435	39.5	30.4	13.00	11.00
Y*9C*D20	24.5	UC60D+TXV	1435	39.5	30.4	13.00	11.00	
YHJR48S41S4	T*(8,L)V*C20	24.5	FC/MC62D	1670	47.0	35.3	13.00	11.00
	T*(8,L)X*C20	24.5	FC/MC62D	1670	47.0	35.3	13.00	11.00
	T*9(C,V)*C20	24.5	FC/MC62D	1605	47.0	35.3	13.00	11.00
	T*9(C,V)*D20	24.5	FC/MC62D	1595	47.0	35.3	13.00	11.00
	T*9X*C20	24.5	FC/MC62D	1605	47.0	35.3	13.00	11.00
	T*9X*D20	24.5	FC/MC62D	1595	47.0	35.3	13.00	11.00
	Y*(8,L)C*C20	24.5	FC/MC62D	1670	47.0	35.3	13.00	11.00
	Y*9C*C20	24.5	FC/MC62D	1605	47.0	35.3	13.00	11.00
	Y*9C*D20	24.5	FC/MC62D	1595	47.0	35.3	13.00	11.00
YHJR60S41S5	T*(8,L)V*C20	21.0	FC/MC62D	1600	57.0	39.5	13.70	11.60
	T*(8,L)V*C20	21.0	FC64D	1855	57.0	42.5	13.25	11.40
	T*(8,L)X*C20	21.0	FC/MC62D	1665	57.5	40.0	14.00	12.00
	T*(8,L)X*C20	21.0	FC64D	1665	56.0	41.0	13.75	11.60
	T*9(C,V)*C20	21.0	FC/MC62D	1655	57.0	39.5	13.50	11.60
	T*9(C,V)*C20	21.0	FC64D	1630	55.5	40.5	13.25	11.40
	T*9(C,V)*C20	21.0	FC64D	1630	57.5	39.5	13.70	11.60
	T*9(C,V)*D20	24.5	FC/MC62D	1630	55.5	40.0	13.25	11.40
	T*9X*C20	21.0	FC/MC62D	1595	57.5	40.0	14.00	12.00
	T*9X*C20	21.0	FC64D	1595	55.5	40.0	13.50	11.40
	T*9X*D20	24.5	FC/MC62D	1645	57.5	40.0	14.00	12.00
	T*9X*D20	24.5	FC64D	1645	56.0	40.5	13.50	11.40
	Y*(8,L)C*C20	21.0	FC/MC62D	1600	57.0	39.5	13.70	11.60
	Y*(8,L)C*C20	21.0	FC64D	1855	57.0	42.5	13.25	11.40
	Y*9C*C20	21.0	FC/MC62D	1655	57.0	39.5	13.50	11.60
	Y*9C*C20	21.0	FC64D	1655	55.5	40.5	13.20	11.30
	Y*9C*D20	24.5	FC/MC62D	1630	57.5	39.5	13.70	11.60
	Y*9C*D20	24.5	FC64D	1630	55.5	40.0	13.25	11.40

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

2. High Efficiency Motor Furnaces have B.O.D (Blower on Delay) standard.

PSC furnaces, such as the TG8S, TGLS, and TG9S, use Coil Only Ratings.

HEATING CAPACITY - With Air Handler Coils

UNIT MODEL	AIR HANDLER	COIL ¹ MODEL	HEATING ²						
			47°F			17°F			HSPF
			MBH	COP	KW	MBH	COP	KW	STD
13 SEER HP WITH AIR HANDLERS									
YHJR18S41S3	AHE18B	–	17.8	3.40	1.53	9.6	2.32	1.21	7.70
	AHV18B	–	17.9	3.40	1.54	9.7	2.32	1.23	7.70
	AV*24	–	17.6	3.36	1.43	9.6	2.28	1.14	7.70
	MV12B	FC/MC18B	17.6	3.36	1.43	9.6	2.28	1.14	7.70
	MV12B	FC/MC24B	17.6	3.36	1.43	9.6	2.28	1.14	7.70
	MV12B	FC/MC30B	17.6	3.36	1.43	9.6	2.28	1.14	7.70
	MX12B	FC/MC18B	17.7	3.44	1.51	9.5	2.34	1.19	7.70
	MX12B	FC/MC24B	18.0	3.60	1.46	10.1	2.46	1.20	7.70
	MX12B	FC/MC30B	18.0	3.60	1.46	10.1	2.46	1.20	7.70
YHJR24S41S4	AHE22B	–	22.0	3.60	1.79	12.2	2.46	1.45	7.70
	AHE24B	–	22.0	3.60	1.79	12.2	2.47	1.45	7.70
	AHE30B	–	21.4	3.70	1.69	11.7	2.44	1.40	7.70
	AHV24B	–	22.8	3.78	1.77	13.0	2.66	1.43	8.20
	AHV30B	–	23.2	3.82	1.78	13.2	2.66	1.45	8.20
	AV*24	–	23.0	3.74	2.05	13.4	2.62	1.56	7.70
	MV12B	FC/MC24B	23.0	3.74	2.05	13.4	2.62	1.56	7.70
	MV12B	FC/MC30B	23.0	3.74	2.05	13.4	2.62	1.56	7.70
	MX12B	FC/MC24B	22.8	3.86	2.05	12.9	2.72	1.56	7.70
	MX12B	FC/MC30B	22.8	3.86	2.05	12.9	2.72	1.56	7.70
YHJR30S41S4	AHE30B	–	28.6	3.64	2.30	12.2	2.52	1.42	7.70
	AHE34C	–	27.8	3.62	2.61	14.5	2.50	2.14	7.70
	AHE36C	–	27.8	3.82	2.53	14.6	2.62	2.01	7.70
	AHV36C	–	27.6	3.68	2.20	14.7	2.52	1.71	8.20
	AV*36	–	27.8	3.58	2.61	14.0	2.46	2.14	7.70
	MV12B	FC/MC43B	28.0	3.70	2.53	14.0	2.46	2.01	7.70
	MV16C	FC/MC35C	27.8	3.58	2.53	14.0	2.46	2.01	7.70
	MV16C	FC/MC43C	27.8	3.70	2.53	14.0	2.46	2.01	7.70
	MX12B	FC/MC35B	27.8	3.66	2.53	14.5	2.52	2.01	7.70
	MX12B	FC/MC43B	27.8	3.80	2.53	14.8	2.58	2.01	7.70
YHJR36S41S4	AHE34C	–	32.2	3.64	2.59	19.3	2.60	2.17	7.70
	AHE36C	–	32.6	3.68	2.67	18.3	2.50	2.20	7.70
	AHV36C	–	33.0	3.60	2.69	18.3	2.44	2.20	8.20
	AV*36	–	32.0	3.50	2.56	17.9	2.38	2.07	7.70
	MV16C	FC/MC35C	33.0	3.70	2.56	17.9	2.38	2.07	7.70
	MV16C	FC/MC43C	32.6	3.70	2.67	17.9	2.38	2.20	7.70
	MX12B	FC/MC35B	32.2	3.52	2.67	17.7	2.36	2.20	7.70
	MX12B	FC/MC43B	32.6	3.62	2.68	18.3	2.44	2.20	7.70
	MX16C	FC/MC43C	32.2	3.68	2.56	17.8	2.52	2.07	7.70
YHJR42S41S4	AHE42D	–	36.0	3.66	2.88	21.6	2.65	2.39	7.70
	AHE48D	–	38.5	3.96	2.61	23.40	2.8	2.13	7.70
	AHV42D	–	39.5	3.94	2.94	23.20	2.8	2.45	8.20
	AHV48D	–	39.0	3.90	2.93	23.00	2.8	2.42	8.20
	AV*48	–	38.5	3.96	2.61	23.40	2.8	2.13	7.70
	AV*60	–	38.5	3.96	2.53	23.40	2.8	2.14	7.70
	MV16C	FC/MC48C	38.5	3.96	2.61	23.4	2.76	2.14	7.70
	MV16C	FC60C	38.5	4.00	2.53	23.40	2.8	2.14	7.70
	MV20D	FC/MC48D	38.5	3.96	2.61	23.4	2.76	2.14	7.70
	MV20D	FC/MC60D	38.5	4.00	2.61	23.40	2.8	2.12	7.70
	MX16C	FC/MC48C	38.5	3.88	2.53	22.8	2.78	2.13	7.70
	MX16C	FC60C	38.5	4.02	2.61	23.20	2.8	2.12	7.70
	MX20D	FC/MC48D	38.5	3.86	2.53	22.8	2.76	2.12	7.70
	MX20D	FC/MC60D	38.5	4.06	2.61	23.20	2.8	2.13	7.70

For Notes See Page 11.

HEATING CAPACITY - With Air Handler Coils (Continued)

UNIT MODEL	AIR HANDLER	COIL ¹ MODEL	HEATING ²						
			47°F			17°F			HSPF
			MBH	COP	KW	MBH	COP	KW	STD
13 SEER HP WITH AIR HANDLERS									
YHJR48S41S4	AHE48D	—	45.0	3.72	3.54	26.5	2.70	2.87	7.70
	AHE60D	—	45.5	4.00	3.12	26.0	2.76	2.76	7.70
	AHV48D	—	45.5	3.90	3.42	26.2	2.70	2.84	8.20
	AHV60D	—	46.0	3.98	3.39	26.6	2.74	2.84	8.20
	AV*48	—	46.0	4.00	3.11	27.0	2.78	2.80	7.70
	AV*60	—	46.0	4.00	3.14	27.0	2.78	2.76	7.70
	MV20D	FC/MC60D	46.0	4.00	3.10	27.0	2.78	2.80	7.70
	MV20D	FC/MC62D	46.0	4.00	3.13	27.0	2.78	2.80	7.70
	MX20D	FC/MC60D	46.0	4.14	3.11	26.6	2.86	2.76	7.70
MX20D	FC/MC62D	45.5	4.08	3.12	26.2	2.80	2.76	7.70	
YHJR60S41S5	AHE60D	—	58.0	3.54	5.01	39.0	2.76	4.14	8.20
	AHR60D	—	58.0	3.44	5.28	40.0	2.68	4.37	8.15
	AHV60D	—	58.0	3.42	5.18	39.0	2.68	4.26	8.15
	MV20D	FC/MC62D	58.0	3.52	5.08	39.0	2.72	4.20	8.20
	MV20D	FC64D	58.0	3.40	5.34	40.5	2.80	4.24	8.10
	MX20D	FC/MC62D	58.0	3.58	4.95	38.5	2.76	4.09	8.20
	MX20D	FC64D	58.0	3.44	5.20	40.0	2.86	4.10	8.15

1. Rated CFM same as for cooling.

2. Heating MBH based on ARI standards of 70 °F DB (Dry Bulb) entering indoor air, 72% RH (Relative Humidity) outdoor air with 25 feet of interconnecting piping and no supplemental electric heat operation.

COP equals MBH output divided by (total KW input x 3.412).

HSPF (Heating Seasonal Performance Factor) is the total heating output during a normal annual usage period for heating divided by the total electric power input during the same period.

— = Not Applicable.

MA Modular Air Handlers use Coil Only Ratings.

HEATING CAPACITY - Upflow, Downflow, and Horizontal Furnaces and Coils (Coil Only Ratings)

UNIT MODEL	COIL ¹ MODEL	HEATING ²						
		47°F			17°F			HSPF
		MBH	COP	KW	MBH	COP	KW	STD
13 SEER HP COIL ONLY RATINGS								
YHJR60S41S5	FC/MC62	58.0	3.44	5.24	39.5	2.66	4.35	7.80
	FC64	58.0	3.36	5.49	40.5	2.76	4.30	7.80

1. Rated CFM same as for cooling.

2. Heating MBH based on ARI standards of 70 °F DB (Dry Bulb) entering indoor air, 72% RH (Relative Humidity) outdoor air with 25 feet of interconnecting piping and no supplemental electric heat operation.

COP equals MBH output divided by (total KW input x 3.412).

HSPF (Heating Seasonal Performance Factor) is the total heating output during a normal annual usage period for heating divided by the total electric power input during the same period.

— = Not Applicable.

MA Modular Air Handlers use Coil Only Ratings.

PSC furnaces, such as the TG8S, TGLS, and TG9S, use Coil Only Ratings.

HEATING CAPACITY - With High Efficiency Motor Furnaces

UNIT MODEL	FURNACE MODEL	COIL ¹ MODEL	HEATING ²						
			47°F			17°F			HSPF
			MBH	COP	KW	MBH	COP	KW	STD
13 SEER HP WITH HIGH EFFICIENCY MOTOR FURNACES³									
YHJR18S41S3	T*(8,L)V*A12	FC/MC/PC/UC24A	17.6	3.36	1.43	9.6	2.28	1.14	7.70
	T*(8,L)V*A12	FC/MC/PC/UC30A	17.6	3.36	1.43	9.6	2.28	1.14	7.70
	T*(8,L)V*B12	FC/MC/PC/UC24B	17.6	3.36	1.43	9.6	2.28	1.14	7.70
	T*(8,L)V*B12	FC/MC/PC/UC30B	17.6	3.36	1.43	9.6	2.28	1.14	7.70
	T*(8,L)X*A12	FC/MC/PC/UC24A	17.6	3.36	1.43	9.6	2.28	1.14	7.70
	T*(8,L)X*A12	FC/MC/PC/UC30A	17.6	3.36	1.43	9.6	2.28	1.14	7.70
	T*(8,L)X*B12	FC/MC/PC/UC24B	17.6	3.36	1.43	9.6	2.28	1.14	7.70
	T*(8,L)X*B12	FC/MC/PC/UC30B	17.6	3.36	1.43	9.6	2.28	1.14	7.70
	T*9(C,V)*B12	FC/MC/PC/UC24B	17.6	3.36	1.43	9.6	2.28	1.14	7.70
	T*9(C,V)*B12	FC/MC/PC/UC30B	17.6	3.36	1.43	9.6	2.28	1.14	7.70
	T*9V*A10	FC/MC/PC/UC24B	18.0	3.78	1.40	12.4	2.54	1.43	7.75
	T*9X*A10	FC/MC/PC/UC24B	18.0	3.78	1.40	12.4	2.54	1.43	7.80
	T*9X*B12	FC/MC/PC/UC24B	17.6	3.36	1.43	9.6	2.28	1.14	7.70
	T*9X*B12	FC/MC/PC/UC30B	17.6	3.36	1.43	9.6	2.28	1.14	7.70
	Y*(8,L)C*A12	FC/MC/PC/UC24A	17.6	3.36	1.43	9.6	2.28	1.14	7.70
	Y*(8,L)C*A12	FC/MC/PC/UC30A	17.6	3.36	1.43	9.6	2.28	1.14	7.70
	Y*(8,L)C*B12	FC/MC/PC/UC24B	17.6	3.36	1.43	9.6	2.28	1.14	7.70
	Y*(8,L)C*B12	FC/MC/PC/UC30B	17.6	3.36	1.43	9.6	2.28	1.14	7.70
	Y*9C*B12	FC/MC/PC/UC24B	17.6	3.36	1.43	9.6	2.28	1.14	7.70
	Y*9C*B12	FC/MC/PC/UC30B	17.6	3.36	1.43	9.6	2.28	1.14	7.70
YHJR24S41S4	T*(8,L)V*A12	FC/MC/PC24A	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	T*(8,L)V*A12	FC/MC/PC30A	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	T*(8,L)V*A12	UC24A	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	T*(8,L)V*A12	UC30A	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	T*(8,L)V*B12	FC/MC/PC24B	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	T*(8,L)V*B12	FC/MC/PC30B	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	T*(8,L)V*B12	UC24B	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	T*(8,L)V*B12	UC30B	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	T*(8,L)X*A12	FC/MC/PC24A	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	T*(8,L)X*A12	FC/MC/PC30A	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	T*(8,L)X*A12	UC24A	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	T*(8,L)X*A12	UC30A	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	T*(8,L)X*B12	FC/MC/PC24B	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	T*(8,L)X*B12	FC/MC/PC30B	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	T*(8,L)X*B12	UC24B	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	T*(8,L)X*B12	UC30B	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	T*9(C,V)*B12	FC/MC/PC24B	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	T*9(C,V)*B12	FC/MC/PC30B	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	T*9(C,V)*B12	UC24B	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	T*9(C,V)*B12	UC30B	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	T*9X*B12	FC/MC/PC24B	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	T*9X*B12	FC/MC/PC30B	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	T*9X*B12	UC24B	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	T*9X*B12	UC30B	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	Y*(8,L)C*A12	FC/MC/PC24A	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	Y*(8,L)C*A12	FC/MC/PC30A	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	Y*(8,L)C*A12	UC24A	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	Y*(8,L)C*A12	UC30A	23.0	3.74	1.66	13.4	2.62	1.32	7.70
Y*(8,L)C*B12	FC/MC/PC24B	23.0	3.74	1.66	13.4	2.62	1.32	7.70	
Y*(8,L)C*B12	FC/MC/PC30B	23.0	3.74	1.66	13.4	2.62	1.32	7.70	

For Notes See Page 15.

HEATING CAPACITY - With High Efficiency Motor Furnaces (Continued)

UNIT MODEL	FURNACE MODEL	COIL ¹ MODEL	HEATING ²						
			47°F			17°F			HSPF
			MBH	COP	KW	MBH	COP	KW	STD
13 SEER HP WITH HIGH EFFICIENCY MOTOR FURNACES³									
YHJR24S41S4	Y*(8,L)C*B12	UC24B	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	Y*(8,L)C*B12	UC30B	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	Y*9C*B12	FC/MC/PC24B	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	Y*9C*B12	FC/MC/PC30B	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	Y*9C*B12	UC24B	23.0	3.74	1.66	13.4	2.62	1.32	7.70
	Y*9C*B12	UC30B	23.0	3.74	1.66	13.4	2.62	1.32	7.70
YHJR30S41S4	T*(8,L)V*B12	FC/MC/PC43B	28.0	3.70	2.02	14.0	2.46	1.56	7.70
	T*(8,L)V*C16	FC/MC/PC43C	28.0	3.70	2.02	14.0	2.46	1.56	7.70
	T*(8,L)X*B12	FC/MC/PC43B	28.0	3.70	2.02	14.0	2.46	1.56	7.70
	T*(8,L)X*C16	FC/MC/PC43C	28.0	3.70	2.02	14.0	2.46	1.56	7.70
	T*9(C,V)*B12	FC/MC/PC43B	28.0	3.70	2.02	14.0	2.46	1.56	7.70
	T*9(C,V)*C16	FC/MC/PC43C	28.0	3.70	2.02	14.0	2.46	1.56	7.70
	T*9X*B12	FC/MC/PC43B	28.0	3.70	2.02	14.0	2.46	1.56	7.70
	T*9X*C16	FC/MC/PC43C	28.0	3.70	2.02	14.0	2.46	1.56	7.70
	Y*(8,L)C*B12	FC/MC/PC43B	28.0	3.70	2.02	14.0	2.46	1.56	7.70
	Y*(8,L)C*C16	FC/MC/PC43C	28.0	3.70	2.02	14.0	2.46	1.56	7.70
	Y*9C*B12	FC/MC/PC43B	28.0	3.70	2.02	14.0	2.46	1.56	7.70
	Y*9C*C16	FC/MC/PC43C	28.0	3.70	2.02	14.0	2.46	1.56	7.70
YHJR36S41S4	T*(8,L)V*C16	FC/MC/PC43C	32.6	3.70	2.53	17.9	2.38	2.01	7.70
	T*(8,L)V*C20	FC/MC/PC43C	32.6	3.70	2.53	17.9	2.38	2.01	7.70
	T*(8,L)X*C16	FC/MC/PC43C	32.6	3.70	2.53	17.9	2.38	2.01	7.70
	T*(8,L)X*C20	FC/MC/PC43C	32.6	3.70	2.53	17.9	2.38	2.01	7.70
	T*9(C,V)*C16	FC/MC/PC43C	32.6	3.70	2.53	17.9	2.38	2.01	7.70
	T*9(C,V)*C20	FC/MC/PC43C	32.6	3.70	2.53	17.9	2.38	2.01	7.70
	T*9X*C16	FC/MC/PC43C	32.6	3.70	2.53	17.9	2.38	2.01	7.70
	T*9X*C20	FC/MC/PC43C	32.6	3.70	2.53	17.9	2.38	2.01	7.70
	Y*(8,L)C*C16	FC/MC/PC43C	32.6	3.70	2.53	17.9	2.38	2.01	7.70
	Y*(8,L)C*C20	FC/MC/PC43C	32.6	3.70	2.53	17.9	2.38	2.01	7.70
	Y*9C*C16	FC/MC/PC43C	32.6	3.70	2.53	17.9	2.38	2.01	7.70
	Y*9C*C20	FC/MC/PC43C	32.6	3.70	2.53	17.9	2.38	2.01	7.70
YHJR42S41S4	T*(8,L)V*C16	FC/MC/PC48C	39.5	3.96	2.64	23.4	2.76	2.17	7.70
	T*(8,L)V*C16	FC/PC60C+TXV	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*(8,L)V*C16	UC48C	39.5	3.96	2.64	23.4	2.76	2.17	7.70
	T*(8,L)V*C16	UC60C	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*(8,L)V*C20	FC/MC/PC48C	39.5	3.96	2.64	23.4	2.76	2.17	7.70
	T*(8,L)V*C20	FC/PC60C+TXV	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*(8,L)V*C20	UC48C	39.5	3.96	2.64	23.4	2.76	2.17	7.70
	T*(8,L)V*C20	UC60C	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*(8,L)V*C20	UC60C+TXV	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*(8,L)X*C16	FC/MC/PC48C	39.5	3.94	2.64	23.4	2.76	2.17	7.70
	T*(8,L)X*C16	FC/PC60C	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*(8,L)X*C16	FC/PC60C+TXV	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*(8,L)X*C16	UC48C	39.5	3.94	2.64	23.4	2.76	2.17	7.70
	T*(8,L)X*C16	UC60C	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*(8,L)X*C16	UC60C+TXV	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*(8,L)X*C20	FC/MC/PC48C	39.5	3.94	2.64	23.4	2.76	2.17	7.70
	T*(8,L)X*C20	FC/PC60C	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*(8,L)X*C20	FC/PC60C+TXV	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*(8,L)X*C20	UC48C	39.5	3.94	2.64	23.4	2.76	2.17	7.70
	T*(8,L)X*C20	UC60C	38.5	4.00	2.82	23.40	2.76	2.48	7.70

For Notes See Page 15.

HEATING CAPACITY - With High Efficiency Motor Furnaces (Continued)

UNIT MODEL	FURNACE MODEL	COIL ¹ MODEL	HEATING ²						
			47°F			17°F			HSPF
			MBH	COP	KW	MBH	COP	KW	STD
13 SEER HP WITH HIGH EFFICIENCY MOTOR FURNACES³									
YHJR42S41S4	T*(8,L)X*C20	UC60C+TXV	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*9(C,V)*C16	FC/MC/PC48C	39.5	3.96	2.64	23.4	2.76	2.17	7.70
	T*9(C,V)*C16	FC/PC60C+TXV	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*9(C,V)*C16	UC48C	39.5	3.96	2.64	23.4	2.76	2.17	7.70
	T*9(C,V)*C16	UC60C	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*9(C,V)*C20	FC/MC/PC48C	39.5	3.96	2.64	23.4	2.76	2.17	7.70
	T*9(C,V)*C20	FC/PC60C	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*9(C,V)*C20	FC/PC60C+TXV	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*9(C,V)*C20	UC48C	39.5	3.96	2.64	23.4	2.76	2.17	7.70
	T*9(C,V)*C20	UC60C	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*9(C,V)*C20	UC60C+TXV	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*9(C,V)*D20	FC/MC/PC48D	39.5	3.96	2.64	23.4	2.76	2.17	7.70
	T*9(C,V)*D20	FC/MC/PC60D	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*9(C,V)*D20	FC/MC/PC60D+TXV	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*9(C,V)*D20	UC48D	39.5	3.96	2.64	23.4	2.76	2.17	7.70
	T*9(C,V)*D20	UC60D	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*9(C,V)*D20	UC60D+TXV	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*9X*C16	FC/MC/PC48C	39.5	3.94	2.64	23.4	2.76	2.17	7.70
	T*9X*C16	FC/PC60C	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*9X*C16	FC/PC60C+TXV	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*9X*C16	UC48C	39.5	3.94	2.64	23.4	2.76	2.17	7.70
	T*9X*C16	UC60C	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*9X*C16	UC60C+TXV	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*9X*C20	FC/MC/PC48C	39.5	3.94	2.64	23.4	2.76	2.17	7.70
	T*9X*C20	FC/PC60C	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*9X*C20	FC/PC60C+TXV	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*9X*C20	UC48C	39.5	3.94	2.64	23.4	2.76	2.17	7.70
	T*9X*C20	UC60C	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*9X*C20	UC60C+TXV	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*9X*D20	FC/MC/PC48D	39.5	3.94	2.64	23.4	2.76	2.17	7.70
	T*9X*D20	FC/MC/PC60D	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*9X*D20	FC/MC/PC60D+TXV	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*9X*D20	UC48D	39.5	3.94	2.64	23.4	2.76	2.17	7.70
	T*9X*D20	UC60D	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	T*9X*D20	UC60D+TXV	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	Y*(8,L)C*C16	FC/MC/PC48C	39.5	3.96	2.64	23.4	2.76	2.17	7.70
	Y*(8,L)C*C16	FC/PC60C+TXV	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	Y*(8,L)C*C16	UC48C	39.5	3.96	2.64	23.4	2.76	2.17	7.70
	Y*(8,L)C*C16	UC60C	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	Y*(8,L)C*C20	FC/MC/PC48C	39.5	3.96	2.64	23.4	2.76	2.17	7.70
Y*(8,L)C*C20	FC/PC60C+TXV	38.5	4.00	2.82	23.40	2.76	2.48	7.70	
Y*(8,L)C*C20	UC48C	39.5	3.96	2.64	23.4	2.76	2.17	7.70	
Y*(8,L)C*C20	UC60C	38.5	4.00	2.82	23.40	2.76	2.48	7.70	
Y*(8,L)C*C20	UC60C+TXV	38.5	4.00	2.82	23.40	2.76	2.48	7.70	
Y*9C*C16	FC/MC/PC48C	39.5	3.96	2.64	23.4	2.76	2.17	7.70	
Y*9C*C16	FC/PC60C+TXV	38.5	4.00	2.82	23.40	2.76	2.48	7.70	
Y*9C*C16	UC48C	39.5	3.96	2.64	23.4	2.76	2.17	7.70	
Y*9C*C16	UC60C	38.5	4.00	2.82	23.40	2.76	2.48	7.70	
Y*9C*C20	FC/MC/PC48C	39.5	3.96	2.64	23.4	2.76	2.17	7.70	
Y*9C*C20	FC/PC60C	38.5	4.00	2.82	23.40	2.76	2.48	7.70	

For Notes See Page 15.

HEATING CAPACITY - With High Efficiency Motor Furnaces (Continued)

UNIT MODEL	FURNACE MODEL	COIL ¹ MODEL	HEATING ²						
			47°F			17°F			HSPF
			MBH	COP	KW	MBH	COP	KW	STD
13 SEER HP WITH HIGH EFFICIENCY MOTOR FURNACES³									
YHJR42S41S4	Y*9C*C20	FC/PC60C+TXV	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	Y*9C*C20	UC48C	39.5	3.96	2.64	23.4	2.76	2.17	7.70
	Y*9C*C20	UC60C	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	Y*9C*C20	UC60C+TXV	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	Y*9C*D20	FC/MC/PC48D	39.5	3.96	2.64	23.4	2.76	2.17	7.70
	Y*9C*D20	FC/MC/PC60D	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	Y*9C*D20	FC/MC/PC60D+TXV	38.5	4.00	2.82	23.40	2.76	2.48	7.70
	Y*9C*D20	UC48D	39.5	3.96	2.64	23.4	2.76	2.17	7.70
	Y*9C*D20	UC60D	38.5	4.00	2.82	23.40	2.76	2.48	7.70
Y*9C*D20	UC60D+TXV	38.5	4.00	2.82	23.40	2.76	2.48	7.70	
YHJR48S41S4	T*(8,L)V*C20	FC/MC62D	46.0	4.00	3.10	27.0	2.78	2.82	7.70
	T*(8,L)X*C20	FC/MC62D	46.0	4.00	3.10	27.0	2.78	2.82	7.70
	T*9(C,V)*C20	FC/MC62D	46.0	4.00	3.10	27.0	2.78	2.82	7.70
	T*9(C,V)*D20	FC/MC62D	46.0	4.00	3.10	27.0	2.78	2.82	7.70
	T*9X*C20	FC/MC62D	46.0	4.00	3.10	27.0	2.78	2.82	7.70
	T*9X*D20	FC/MC62D	46.0	4.00	3.10	27.0	2.78	2.82	7.70
	Y*(8,L)C*C20	FC/MC62D	46.0	4.00	3.10	27.0	2.78	2.82	7.70
	Y*9C*C20	FC/MC62D	46.0	4.00	3.10	27.0	2.78	2.82	7.70
	Y*9C*D20	FC/MC62D	46.0	4.00	3.10	27.0	2.78	2.82	7.70
YHJR60S41S5	T*(8,L)V*C20	FC/MC62D	58.0	3.46	5.17	39.5	2.68	4.32	8.20
	T*(8,L)V*C20	FC64D	58.0	3.36	5.41	41.0	2.78	4.32	8.05
	T*(8,L)X*C20	FC/MC62D	58.0	3.54	5.01	39.0	2.76	4.14	8.20
	T*(8,L)X*C20	FC64D	58.0	3.36	5.32	39.5	2.82	4.10	8.10
	T*9(C,V)*C20	FC/MC62D	58.0	3.48	5.14	39.5	2.70	4.29	8.20
	T*9(C,V)*C20	FC64D	58.0	3.30	5.46	40.0	2.76	4.25	8.15
	T*9(C,V)*C20	FC64D	58.0	3.30	5.46	40.0	2.76	4.25	8.15
	T*9(C,V)*D20	FC/MC62D	58.0	3.48	5.14	39.0	2.70	4.23	8.20
	T*9X*C20	FC/MC62D	58.0	3.50	5.06	39.0	2.72	4.20	8.20
	T*9X*C20	FC64D	58.0	3.32	5.43	39.5	2.78	4.16	8.20
	T*9X*D20	FC/MC62D	58.0	3.52	5.04	39.0	2.74	4.17	8.20
	T*9X*D20	FC64D	58.0	3.36	5.36	40.0	2.80	4.19	8.20
	Y*(8,L)C*C20	FC/MC62D	58.0	3.46	5.17	39.5	2.68	4.32	8.20
	Y*(8,L)C*C20	FC64D	58.0	3.36	5.41	41.0	2.78	4.32	8.05
	Y*9C*C20	FC/MC62D	58.0	3.48	5.14	39.5	2.70	4.29	8.20
	Y*9C*C20	FC64D	58.0	3.30	5.50	40.5	2.74	4.33	8.10
	Y*9C*D20	FC/MC62D	58.0	3.48	5.14	39.0	2.70	4.23	8.20
	Y*9C*D20	FC64D	58.0	3.30	5.46	40.0	2.76	4.25	8.15

1. Rated CFM same as for cooling.

2. Heating MBH based on AHRI standards of 70 °F DB (Dry Bulb) entering indoor air, 72% RH (Relative Humidity) outdoor air with 25 feet of interconnecting piping and no supplemental electric heat operation.

3. High Efficiency Motor Furnaces have B.O.D (Blower on Delay) standard.

COP equals MBH output divided by (total KW input x 3.412).

HSPF (Heating Seasonal Performance Factor) is the total heating output during a normal annual usage period for heating divided by the total electric power input during the same period.

— = Not Applicable.

PSC furnaces, such as the TG8S, TGLS, and TG9S, use Coil Only Ratings.

ACCESSORIES

Refer to Price Manual for specific model numbers.

Start Assist Kit (S1-2SA067*) - Provides increased starting torque for areas with low voltage. May be required on 48, 60 models. Models 18, 24, 30, 36, and 42 have been factory installed. See Hard Start Kit Accessory Installation Manual for Hard Start Kit part number for each model.

TXV Kits - S1-1TVM series thermal expansion valves precisely meter refrigerant for optimum performance over a wide range of conditions. See System Charge table for TXV part number for each model.

Blower Time Delay - Available to increase efficiency when installed. Installs on indoor section and maintains blower for approximately one minute after cooling thermostat has been satisfied.

Low Temperature Cutout (S1-2LT06700224) - Prevents heat pump operation below -10 °F ambient temperature.

Compressor Blanket - Designed to further reduce the normal operating sound.

Add-on Fossil Fuel Control - Interface controls for use with gas, oil furnaces and the heat pump system are available.

Outdoor Thermostat (S1-2TD06700124) - Provides additional staging of supplemental electric heat.

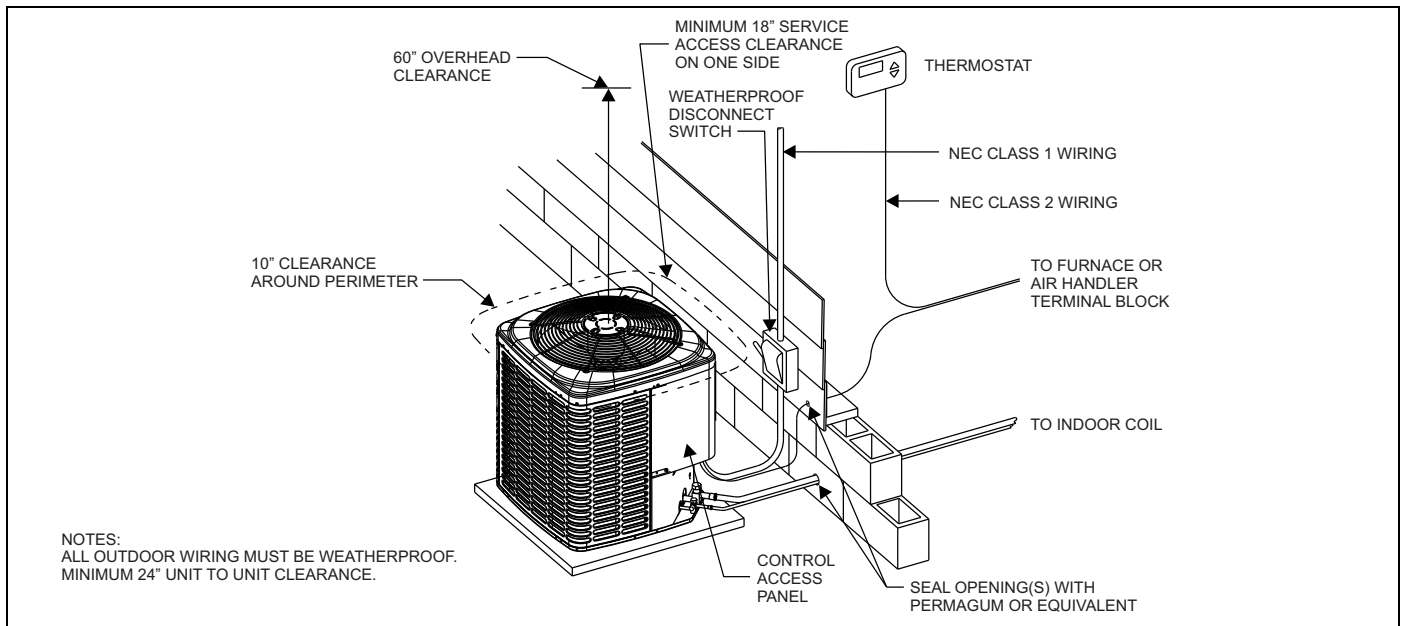
Thermostats - Compatible thermostat controls are available through accessory sourcing. For optimum performance and installation, refer to the UPGNET "Low Voltage Wiring Diagram" document to select and apply controls.

SOUND POWER LEVEL - TYPICAL OCTAVE BAND SPECTRUM (without tone adjustment)

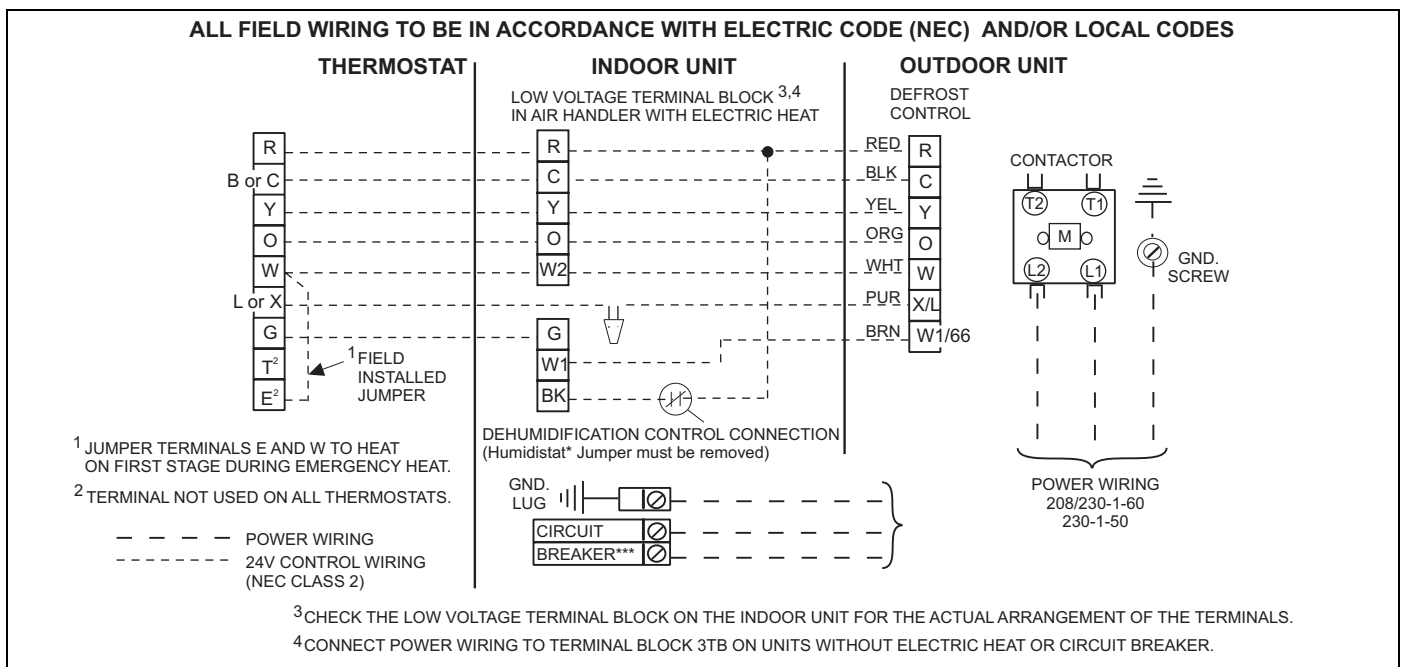
Size	Test Condition	63	125	250	500	1000	2000	4000	8000	dBA	SQI
18	Cooling Mode	73	75	68	69	70	66	64	59	74	19.2
	Heating Mode	73	75	69	70	71	65	64	60	75	19.1
24	Cooling Mode	72	72	68	70	72	68	66	63	76	19.1
	Heating Mode	73	74	69	70	72	66	65	61	75	19.1
30	Cooling Mode	70	72	69	69	73	69	67	63	76	19.0
	Heating Mode	72	72	71	69	70	65	65	63	74	19.0
36	Cooling Mode	72	71	69	71	72	69	67	64	76	19.0
	Heating Mode	72	73	71	72	73	68	65	62	76	19.0
42	Cooling Mode	69	70	70	70	71	66	66	64	75	19.1
	Heating Mode	71	73	72	71	72	68	67	66	76	19.1
48	Cooling Mode	73	73	72	71	73	70	68	64	77	19.1
	Heating Mode	72	74	72	71	73	72	67	63	78	19.1
60	Cooling Mode	69	69	69	70	70	65	64	63	74	19.2
	Heating Mode	68	69	68	69	71	65	63	62	74	19.0

Rated in accordance with ARI Standard 270.

TYPICAL INSTALLATION



TYPICAL FIELD WIRING



COOLING PERFORMANCE DATA																
CONDENSING UNIT MODEL NO.		YHJR18S41S3														
INDOOR COIL MODEL NO.		F6FP018														
CONDENSING ENTERING AIR TEMPERATURE	IDCFM	450					600					750				
	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.	18.1	19.9	20.3	22.0	23.3	19.9	21.2	21.3	22.8	23.9	21.8	22.5	22.4	23.5	24.6
	S.C.	18.0	16.0	14.2	14.1	12.1	19.9	18.4	15.6	15.2	12.7	21.7	20.7	17.0	16.3	13.3
	KW	1.30	1.30	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.40	1.40	1.50	1.50	1.50	1.50
75	T.C.	17.2	18.6	18.9	20.7	22.0	18.9	19.8	19.8	21.4	22.7	20.5	20.9	20.8	22.1	23.3
	S.C.	17.1	15.4	13.5	13.5	11.5	18.8	17.6	14.9	14.6	12.1	20.5	19.7	16.4	15.8	12.7
	KW	1.30	1.40	1.40	1.40	1.40	1.40	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.60	1.60
85	T.C.	16.3	17.4	17.5	19.4	20.8	17.8	18.3	18.3	20.1	21.4	19.3	19.3	19.1	20.8	22.1
	S.C.	16.2	14.9	12.8	12.8	10.8	17.8	16.8	14.3	14.1	11.5	19.3	18.7	15.8	15.4	12.1
	KW	1.40	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.60	1.60	1.60	1.60	1.60	1.70	1.70
95	T.C.	15.4	16.1	16.1	18.1	19.6	16.7	16.9	16.8	18.7	20.2	18.1	17.7	17.5	19.4	20.8
	S.C.	15.3	14.3	12.1	12.2	10.1	16.7	16.0	13.6	13.6	10.8	18.1	17.7	15.2	14.9	11.5
	KW	1.50	1.50	1.50	1.60	1.60	1.60	1.60	1.60	1.70	1.70	1.70	1.70	1.70	1.80	1.80
105	T.C.	14.1	14.1	13.7	16.5	18.2	15.4	14.8	14.7	17.0	18.7	16.7	15.6	15.8	17.5	19.2
	S.C.	14.1	12.9	11.0	11.6	9.5	15.3	14.2	12.6	12.9	10.2	16.6	15.5	14.2	14.3	10.9
	KW	1.60	1.60	1.60	1.70	1.70	1.70	1.70	1.70	1.80	1.80	1.80	1.80	1.80	1.80	1.90
115	T.C.	12.8	12.1	11.2	15.0	16.9	14.0	12.8	12.6	15.3	17.2	15.2	13.5	14.1	15.6	17.6
	S.C.	12.8	11.5	9.9	10.9	8.8	14.0	12.5	11.6	12.3	9.6	15.2	13.4	13.3	13.6	10.3
	KW	1.70	1.70	1.70	1.80	1.80	1.80	1.80	1.80	1.80	1.90	1.90	1.90	1.90	1.90	2.00
125	T.C.	11.5	10.1	8.8	13.4	15.5	12.7	10.7	10.6	13.6	15.7	13.8	11.4	12.3	13.7	15.9
	S.C.	11.5	10.1	8.8	10.3	8.2	12.6	10.7	10.5	11.6	9.0	13.7	11.3	12.3	12.9	9.7
	KW	1.70	1.80	1.70	1.90	1.90	1.90	1.90	1.80	1.90	2.00	2.00	2.00	1.90	2.00	2.10

NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT. KW VALUES ARE FOR THE SYSTEM (OUTDOOR + INDOOR).

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.

Air Handler	Coil	T.C.	S.C.	KW
AHE18B	–	0.95	0.94	0.97
AHV18B	–	1.01	1.02	0.99
AV*24	–	1.00	1.00	1.00
MV12B	FC/MC18B	1.00	1.00	1.00
MV12B	FC/MC24B	1.00	1.00	1.00
MV12B	FC/MC30B	1.00	1.00	1.00
MX12B	FC/MC18B	0.95	0.95	0.91
MX12B	FC/MC24B	0.95	0.97	0.97
MX12B	FC/MC30B	0.95	0.97	0.97

Furnace	Coil	T.C.	S.C.	KW
T*(8,L)V*A12	FC/MC/PC/UC24A	1.00	1.04	0.98
T*(8,L)V*A12	FC/MC/PC/UC30A	1.00	1.04	0.98
T*(8,L)V*B12	FC/MC/PC/UC24B	1.00	1.04	0.98
T*(8,L)V*B12	FC/MC/PC/UC30B	1.00	1.04	0.98
T*(8,L)X*A12	FC/MC/PC/UC24A	1.00	1.04	0.98
T*(8,L)X*A12	FC/MC/PC/UC30A	1.00	1.04	0.98
T*(8,L)X*B12	FC/MC/PC/UC24B	1.00	1.04	0.98
T*(8,L)X*B12	FC/MC/PC/UC30B	1.00	1.04	0.98
T*9(C,V)*B12	FC/MC/PC/UC24B	1.00	1.04	0.98
T*9(C,V)*B12	FC/MC/PC/UC30B	1.00	1.04	0.98
T*9V*A10	FC/MC/PC24A	1.00	1.00	1.00
T*9X*A10	FC/MC/PC24A	1.00	1.00	1.00
T*9X*B12	FC/MC/PC/UC24B	1.00	1.04	0.98
T*9X*B12	FC/MC/PC/UC30B	1.00	1.04	0.98
Y*(8,L)C*A12	FC/MC/PC/UC24A	1.00	1.04	0.98
Y*(8,L)C*A12	FC/MC/PC/UC30A	1.00	1.04	0.98
Y*(8,L)C*B12	FC/MC/PC/UC24B	1.00	1.04	0.98
Y*(8,L)C*B12	FC/MC/PC/UC30B	1.00	1.04	0.98
Y*9C*B12	FC/MC/PC/UC24B	1.00	1.04	0.98
Y*9C*B12	FC/MC/PC/UC30B	1.00	1.04	0.98

COOLING PERFORMANCE DATA																
CONDENSING UNIT MODEL NO.		YHJR24S41S4														
INDOOR COIL MODEL NO.		F6FP024														
CONDENSING ENTERING AIR TEMPERATURE	IDCFM	600					800					1000				
	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.	24.4	26.0	26.9	29.5	30.7	26.4	26.3	28.0	30.4	31.4	28.4	26.5	29.0	31.4	32.0
	S.C.	23.8	21.5	18.7	18.8	15.3	25.7	23.7	20.9	20.2	15.9	27.7	25.9	23.0	21.7	16.4
	KW	1.60	1.60	1.70	1.70	1.70	1.70	1.70	1.80	1.80	1.80	1.80	1.80	1.80	1.90	1.90
75	T.C.	22.6	24.0	24.2	27.3	28.9	24.7	24.7	25.3	28.1	29.7	26.8	25.4	26.5	28.8	30.4
	S.C.	22.1	20.6	17.5	17.8	14.6	24.1	22.7	19.8	19.5	15.3	26.1	24.8	22.0	21.1	16.0
	KW	1.70	1.70	1.70	1.80	1.80	1.80	1.80	1.80	1.90	1.90	1.90	1.90	1.90	2.00	2.00
85	T.C.	20.9	21.9	21.4	25.2	27.1	23.0	23.1	22.7	25.8	28.0	25.1	24.3	24.0	26.3	28.8
	S.C.	20.4	19.8	16.4	16.9	13.8	22.4	21.8	18.7	18.7	14.7	24.5	23.7	21.1	20.5	15.6
	KW	1.80	1.80	1.80	1.90	2.00	1.90	1.90	1.90	2.00	2.10	2.10	2.10	2.10	2.10	2.20
95	T.C.	19.1	19.9	18.7	23.1	25.3	21.3	21.6	20.1	23.4	26.3	23.5	23.2	21.5	23.8	27.3
	S.C.	18.6	18.9	15.2	16.0	13.1	20.8	20.8	17.6	18.0	14.1	23.0	22.7	20.1	19.9	15.2
	KW	1.90	1.90	1.90	2.00	2.10	2.00	2.00	2.00	2.10	2.20	2.20	2.20	2.10	2.20	2.30
105	T.C.	17.4	17.8	16.4	20.1	23.3	19.3	19.8	17.8	20.8	24.1	21.3	21.8	19.1	21.5	24.9
	S.C.	16.9	17.1	14.2	14.9	12.2	18.9	19.2	16.2	17.0	13.4	20.8	21.2	18.2	19.1	14.6
	KW	2.00	2.00	1.90	2.10	2.20	2.10	2.10	2.10	2.20	2.30	2.30	2.30	2.20	2.30	2.40
115	T.C.	15.6	15.6	14.2	17.2	21.3	17.4	18.0	15.4	18.2	22.0	19.1	20.3	16.7	19.1	22.6
	S.C.	15.2	15.2	13.3	13.8	11.2	17.0	17.5	14.8	16.0	12.6	18.7	19.8	16.3	18.3	14.0
	KW	2.10	2.10	2.00	2.10	2.30	2.20	2.30	2.10	2.30	2.40	2.40	2.40	2.30	2.40	2.50
125	T.C.	13.9	13.5	11.9	14.2	19.4	15.4	16.2	13.1	15.5	19.8	16.9	18.9	14.4	16.8	20.3
	S.C.	13.5	13.4	11.9	12.6	10.3	15.0	15.9	13.1	15.0	11.9	16.5	18.4	14.4	16.8	13.5
	KW	2.20	2.10	2.10	2.20	2.40	2.30	2.40	2.20	2.30	2.50	2.50	2.60	2.40	2.50	2.70

NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT. KW VALUES ARE FOR THE SYSTEM (OUTDOOR + INDOOR).

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.

Air Handler	Coil	T.C.	S.C.	KW
AHE22B	–	1.00	1.00	1.00
AHE24B	–	0.99	0.89	1.01
AHE30B	–	0.99	0.89	1.01
AHV24B	–	0.98	0.96	0.98
AHV30B	–	1.01	1.01	0.99
AV*24	–	1.00	1.00	1.00
MV12B	FC/MC24B	1.00	1.00	1.00
MV12B	FC/MC30B	1.00	1.00	1.00
MX12B	FC/MC24B	1.00	0.98	1.01
MX12B	FC/MC30B	1.00	0.98	1.01

Furnace	Coil	T.C.	S.C.	KW
T*(8,L)V*A12	FC/MC/PC24A	1.00	1.02	1.00
T*(8,L)V*A12	FC/MC/PC30A	1.00	1.02	0.99
T*(8,L)V*A12	UC24A	1.00	1.02	1.00
T*(8,L)V*A12	UC30A	1.00	1.02	0.98
T*(8,L)V*B12	FC/MC/PC24B	1.00	1.02	0.99
T*(8,L)V*B12	FC/MC/PC30B	1.00	1.02	0.99
T*(8,L)V*B12	UC24B	1.00	1.02	0.99
T*(8,L)V*B12	UC30B	1.00	1.02	0.99
T*(8,L)X*A12	FC/MC/PC24A	1.00	1.02	1.00
T*(8,L)X*A12	FC/MC/PC30A	1.00	1.02	1.00
T*(8,L)X*A12	UC24A	1.00	1.02	1.00
T*(8,L)X*A12	UC30A	1.00	1.02	0.98

Furnace	Coil	T.C.	S.C.	KW
T*(8,L)X*B12	FC/MC/PC24B	1.00	1.02	0.99
T*(8,L)X*B12	FC/MC/PC30B	1.00	1.02	0.97
T*(8,L)X*B12	UC24B	1.00	1.02	1.00
T*(8,L)X*B12	UC30B	1.00	1.02	0.97
T*9(C,V)*B12	FC/MC/PC24B	1.00	1.02	1.00
T*9(C,V)*B12	FC/MC/PC30B	1.00	1.02	0.98
T*9(C,V)*B12	UC24B	1.00	1.02	0.98
T*9(C,V)*B12	UC30B	1.00	1.02	0.97
T*9X*B12	FC/MC/PC24B	1.00	1.02	1.00
T*9X*B12	FC/MC/PC30B	1.00	1.02	0.97
T*9X*B12	UC24B	1.00	1.02	1.00
T*9X*B12	UC30B	1.00	1.02	0.98
Y*(8,L)C*A12	FC/MC/PC24A	1.00	1.02	0.99
Y*(8,L)C*A12	FC/MC/PC30A	1.00	1.02	0.97
Y*(8,L)C*A12	UC24A	1.00	1.02	1.00
Y*(8,L)C*A12	UC30A	1.00	1.02	0.99
Y*(8,L)C*B12	FC/MC/PC24B	1.00	1.02	1.00
Y*(8,L)C*B12	FC/MC/PC30B	1.00	1.02	1.00
Y*(8,L)C*B12	UC24B	1.00	1.02	0.97
Y*(8,L)C*B12	UC30B	1.00	1.02	0.97
Y*9C*B12	FC/MC/PC24B	1.00	1.02	0.99
Y*9C*B12	FC/MC/PC30B	1.00	1.02	1.00
Y*9C*B12	UC24B	1.00	1.02	0.99
Y*9C*B12	UC30B	1.00	1.02	0.98

COOLING PERFORMANCE DATA																
CONDENSING UNIT MODEL NO.		YHJR30S41S4														
INDOOR COIL MODEL NO.		F6FP030														
CONDENSING ENTERING AIR TEMPERATURE	IDCFM	800					1000					1200				
	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.	29.7	32.9	32.9	35.3	38.2	31.8	33.6	33.9	36.4	39.1	33.9	34.4	34.8	37.5	40.0
	S.C.	29.1	26.1	22.6	22.0	18.5	31.2	29.0	24.5	23.9	19.4	33.3	31.8	26.4	25.8	20.3
	KW	2.00	2.00	2.00	2.10	2.10	2.10	2.10	2.10	2.20	2.20	2.20	2.20	2.20	2.30	2.30
75	T.C.	28.1	30.6	30.6	33.2	36.0	30.1	31.5	31.5	34.2	36.9	32.1	32.3	32.5	35.2	37.7
	S.C.	27.5	25.1	21.5	21.2	17.6	29.5	27.8	23.4	23.1	18.6	31.5	30.4	25.4	25.0	19.5
	KW	2.10	2.10	2.10	2.20	2.30	2.20	2.30	2.30	2.30	2.40	2.40	2.40	2.40	2.40	2.50
85	T.C.	26.4	28.3	28.2	31.1	33.9	28.4	29.3	29.2	32.1	34.6	30.4	30.3	30.2	33.0	35.4
	S.C.	25.9	24.1	20.4	20.3	16.8	27.8	26.6	22.4	22.2	17.7	29.8	29.0	24.4	24.2	18.6
	KW	2.20	2.30	2.30	2.40	2.40	2.40	2.40	2.40	2.50	2.50	2.50	2.50	2.50	2.60	2.60
95	T.C.	24.8	26.1	25.9	29.1	31.8	26.7	27.1	26.9	29.9	32.4	28.6	28.2	27.9	30.7	33.0
	S.C.	24.3	23.1	19.3	19.4	15.9	26.2	25.4	21.4	21.4	16.8	28.0	27.6	23.5	23.4	17.8
	KW	2.40	2.40	2.40	2.50	2.60	2.50	2.50	2.50	2.60	2.70	2.70	2.60	2.60	2.70	2.80
105	T.C.	23.1	23.6	23.5	26.8	29.4	24.8	25.0	24.4	27.5	30.0	26.6	26.4	25.3	28.2	30.6
	S.C.	22.6	21.9	18.3	18.5	14.9	24.4	23.9	20.4	20.5	15.9	26.1	25.9	22.4	22.4	16.9
	KW	2.50	2.50	2.50	2.70	2.80	2.70	2.70	2.70	2.80	2.90	2.80	2.80	2.80	2.90	3.00
115	T.C.	21.4	21.1	21.2	24.6	27.1	23.0	22.9	21.9	25.1	27.6	24.6	24.6	22.7	25.7	28.2
	S.C.	21.0	20.7	17.3	17.6	13.9	22.5	22.4	19.3	19.5	14.9	24.1	24.1	21.4	21.4	16.0
	KW	2.70	2.70	2.70	2.80	2.90	2.80	2.80	2.80	2.90	3.00	3.00	3.00	2.90	3.00	3.10
125	T.C.	19.7	18.7	18.8	22.3	24.8	21.2	20.7	19.4	22.8	25.3	22.6	22.8	20.1	23.2	25.8
	S.C.	19.3	18.7	16.2	16.7	12.9	20.7	20.7	18.3	18.5	14.0	22.1	22.3	20.1	20.4	15.1
	KW	2.80	2.80	2.80	3.00	3.10	3.00	3.00	2.90	3.10	3.20	3.20	3.20	3.10	3.20	3.30

NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT. KW VALUES ARE FOR THE SYSTEM (OUTDOOR + INDOOR).

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.

Air Handler	Coil	T.C.	S.C.	KW
AHE30B	–	0.97	1.00	1.04
AHE34C	–	1.00	1.00	1.00
AHE36C	–	0.97	1.03	1.04
AHV36C	–	1.01	0.99	0.98
AV*36	–	1.00	1.00	1.00
MV12B	FC/MC43B	1.00	1.00	1.00
MV16C	FC/MC35C	1.00	1.00	1.00
MV16C	FC/MC43C	1.00	1.00	1.00
MX12B	FC/MC35B	0.97	1.05	1.04
MX12B	FC/MC43B	0.97	1.08	1.04

Furnace	Coil	T.C.	S.C.	KW
T*(8,L)V*B12	FC/MC/PC43B	1.05	1.05	0.99
T*(8,L)V*C16	FC/MC/PC43C	1.05	1.05	0.99
T*(8,L)X*B12	FC/MC/PC43B	1.05	1.05	0.99
T*(8,L)X*C16	FC/MC/PC43C	1.05	1.05	0.97
T*9(C,V)*B12	FC/MC/PC43B	1.05	1.05	0.98
T*9(C,V)*C16	FC/MC/PC43C	1.05	1.05	0.99
T*9X*B12	FC/MC/PC43B	1.05	1.05	0.96
T*9X*C16	FC/MC/PC43C	1.05	1.05	0.98
Y*(8,L)C*B12	FC/MC/PC43B	1.05	1.05	0.97
Y*(8,L)C*C16	FC/MC/PC43C	1.05	1.05	0.99
Y*9C*B12	FC/MC/PC43B	1.05	1.05	0.98
Y*9C*C16	FC/MC/PC43C	1.05	1.05	0.99

COOLING PERFORMANCE DATA																
CONDENSING UNIT MODEL NO.		YHJR36S41S4														
INDOOR COIL MODEL NO.		F6FP036														
CONDENSING ENTERING AIR TEMPERATURE	IDCFM	1000					1200					1400				
	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.	35.0	37.8	37.8	41.8	46.1	37.3	39.1	39.1	43.1	47.3	39.5	40.5	40.5	44.4	48.5
	S.C.	34.7	31.0	26.5	26.4	22.0	36.9	34.3	28.6	28.4	23.3	39.1	37.6	30.6	30.4	24.5
	KW	2.40	2.50	2.50	2.50	2.60	2.50	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.70	2.70
75	T.C.	32.9	34.9	34.9	38.9	43.4	35.0	36.1	36.1	40.2	44.4	37.1	37.2	37.3	41.4	45.5
	S.C.	32.6	29.7	25.2	25.2	20.9	34.6	32.4	27.2	27.2	22.1	36.7	35.2	29.2	29.2	23.3
	KW	2.60	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.80	2.80	2.80	2.80	2.80	2.80	2.90
85	T.C.	30.8	32.0	32.0	36.0	40.7	32.7	33.0	33.1	37.2	41.6	34.6	34.0	34.1	38.4	42.5
	S.C.	30.4	28.4	23.9	24.0	19.7	32.3	30.6	25.9	26.0	20.9	34.2	32.8	27.9	28.0	22.1
	KW	2.70	2.80	2.80	2.80	2.90	2.80	2.90	2.90	2.90	3.00	3.00	2.90	2.90	3.00	3.10
95	T.C.	28.6	29.1	29.2	33.1	38.0	30.4	30.0	30.0	34.3	38.8	32.1	30.8	30.9	35.4	39.5
	S.C.	28.3	27.1	22.6	22.8	18.6	30.1	28.8	24.6	24.8	19.7	31.8	30.4	26.5	26.8	20.8
	KW	2.90	2.90	2.90	3.00	3.10	3.00	3.00	3.00	3.10	3.20	3.10	3.10	3.10	3.20	3.30
105	T.C.	26.1	26.4	25.7	29.7	34.3	27.8	27.6	26.4	30.6	35.3	29.5	28.8	27.2	31.6	36.3
	S.C.	25.8	25.2	21.1	21.4	17.3	27.5	26.9	23.0	23.4	18.4	29.2	28.5	24.8	25.4	19.6
	KW	3.10	3.10	3.00	3.10	3.30	3.20	3.20	3.10	3.30	3.40	3.30	3.30	3.20	3.40	3.50
115	T.C.	23.6	23.6	22.2	26.2	30.6	25.2	25.2	22.8	27.0	31.8	26.9	26.9	23.4	27.8	33.1
	S.C.	23.3	23.3	19.6	20.1	15.9	25.0	25.0	21.4	22.0	17.2	26.6	26.6	23.2	23.9	18.4
	KW	3.20	3.20	3.20	3.30	3.50	3.40	3.40	3.30	3.40	3.60	3.50	3.50	3.40	3.50	3.70
125	T.C.	21.1	20.8	18.7	22.7	26.9	22.6	22.8	19.2	23.3	28.4	24.2	24.9	19.7	24.0	29.8
	S.C.	20.8	20.8	18.1	18.7	14.6	22.4	22.8	19.2	20.6	15.9	24.0	24.6	19.7	22.5	17.2
	KW	3.40	3.40	3.30	3.50	3.70	3.50	3.50	3.40	3.60	3.80	3.70	3.70	3.50	3.70	3.90

NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT. KW VALUES ARE FOR THE SYSTEM (OUTDOOR + INDOOR).

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.

Air Handler	Coil	T.C.	S.C.	KW
AHE34C	—	1.00	1.00	1.00
AHE36C	—	1.03	1.05	1.06
AHV36C	—	1.03	1.05	1.02
AV*36	—	1.02	1.00	1.00
MV16C	FC/MC35C	1.00	1.00	1.00
MV16C	FC/MC43C	1.02	1.00	1.00
MX12B	FC/MC35B	1.01	1.02	1.04
MX12B	FC/MC43B	1.03	1.05	1.06
MX16C	FC/MC43C	1.02	1.03	1.06

Furnace	Coil	T.C.	S.C.	KW
T*(8,L)V*C16	FC/MC/PC43C	1.00	1.00	1.02
T*(8,L)V*C20	FC/MC/PC43C	1.00	1.00	1.02
T*(8,L)X*C16	FC/MC/PC43C	1.00	1.00	1.02
T*(8,L)X*C20	FC/MC/PC43C	1.00	1.00	1.02
T*9(C,V)*C16	FC/MC/PC43C	1.00	1.00	1.02
T*9(C,V)*C20	FC/MC/PC43C	1.00	1.00	1.02
T*9X*C16	FC/MC/PC43C	1.00	1.00	1.02
T*9X*C20	FC/MC/PC43C	1.00	1.00	1.02
Y*(8,L)C*C16	FC/MC/PC43C	1.00	1.00	1.02
Y*(8,L)C*C20	FC/MC/PC43C	1.00	1.00	1.02
Y*9C*C16	FC/MC/PC43C	1.00	1.00	1.02
Y*9C*C20	FC/MC/PC43C	1.00	1.00	1.02

COOLING PERFORMANCE DATA																
CONDENSING UNIT MODEL NO.		YHJR42S41S4														
INDOOR COIL MODEL NO.		F6FP042														
CONDENSING ENTERING AIR TEMPERATURE	IDCFM	1200					1400					1600				
	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.	43.1	45.7	46.2	51.4	56.6	45.5	46.9	47.2	52.7	57.8	47.9	48.0	48.2	54.0	59.1
	S.C.	43.1	40.8	34.9	34.9	28.6	45.5	44.6	37.1	37.1	30.0	47.9	48.0	39.3	39.3	31.3
	KW	2.50	2.50	2.50	2.60	2.60	2.60	2.60	2.50	2.60	2.70	2.70	2.60	2.60	2.70	2.80
75	T.C.	40.3	42.3	42.3	47.4	52.5	42.5	43.6	43.6	48.6	53.9	44.7	44.8	44.8	49.8	55.2
	S.C.	40.3	39.3	33.1	33.2	26.9	42.5	42.4	35.4	35.4	28.4	44.7	44.8	37.8	37.6	29.8
	KW	2.70	2.60	2.60	2.70	2.80	2.80	2.70	2.70	2.80	2.90	2.80	2.80	2.80	2.90	3.00
85	T.C.	37.6	38.9	38.4	43.5	48.5	39.6	40.3	40.0	44.5	49.9	41.6	41.7	41.5	45.6	51.4
	S.C.	37.6	37.7	31.2	31.5	25.3	39.6	40.3	33.7	33.7	26.8	41.6	41.7	36.2	35.9	28.2
	KW	2.90	2.80	2.80	2.90	3.00	2.90	2.90	2.90	3.00	3.10	3.00	3.00	3.00	3.10	3.20
95	T.C.	34.8	35.4	34.5	39.6	44.5	36.6	37.0	36.3	40.5	46.0	38.4	38.5	38.1	41.4	47.5
	S.C.	34.8	35.4	29.4	29.9	23.7	36.6	37.0	32.1	32.0	25.2	38.4	38.5	34.7	34.2	26.6
	KW	3.00	3.00	3.00	3.00	3.20	3.10	3.10	3.10	3.10	3.30	3.20	3.20	3.20	3.30	3.30
105	T.C.	29.7	30.7	28.6	33.3	40.4	32.4	32.9	30.2	35.1	40.4	35.1	35.2	31.7	36.9	40.4
	S.C.	29.7	30.7	26.6	27.3	22.1	32.4	32.9	28.5	29.9	23.1	35.1	35.2	30.5	32.4	24.1
	KW	3.10	3.10	3.10	3.20	3.40	3.20	3.20	3.20	3.30	3.40	3.30	3.30	3.30	3.40	3.50
115	T.C.	24.5	25.9	22.7	27.1	36.3	28.2	28.9	24.0	29.7	34.8	31.8	31.8	25.3	32.4	33.2
	S.C.	24.5	25.9	22.7	24.8	20.5	28.2	28.9	24.0	27.8	21.0	31.8	31.8	25.3	30.7	21.6
	KW	3.30	3.30	3.20	3.30	3.50	3.40	3.40	3.30	3.40	3.60	3.50	3.50	3.40	3.50	3.70
125	T.C.	19.4	21.1	16.8	20.9	32.3	23.9	24.8	17.8	24.4	29.1	28.5	28.5	18.9	27.8	26.0
	S.C.	19.4	21.1	16.8	20.9	18.9	23.9	24.8	17.8	24.4	19.0	28.5	28.5	18.9	27.8	19.1
	KW	3.40	3.50	3.30	3.50	3.70	3.50	3.60	3.40	3.60	3.80	3.70	3.70	3.50	3.70	3.80

NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT. KW VALUES ARE FOR THE SYSTEM (OUTDOOR + INDOOR).

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.

Air Handler	Coil	T.C.	S.C.	KW
AHE42D	—	1.00	0.98	1.07
AHE48D	—	1.00	0.99	1.00
AHV42D	—	1.00	0.99	0.99
AHV48D	—	0.99	0.96	0.97
AV*48	—	1.00	0.99	1.00
AV*60	—	1.00	0.99	1.07
MV16C	FC/MC48C	1.00	1.00	1.00
MV16C	FC60C	1.00	0.99	1.07
MV20D	FC/MC48D	1.00	1.00	1.00
MV20D	FC/MC60D	1.00	0.99	1.07
MX16C	FC/MC48C	1.01	0.99	1.09
MX16C	FC60C	1.00	0.99	1.07
MX20D	FC/MC48D	1.00	0.99	1.07
MX20D	FC/MC60D	1.00	0.99	1.07

Continued on next page.

Furnace	Coil	T.C.	S.C.	KW
T*(8,L)V*C16	FC/MC/PC48C	1.00	1.00	1.02
T*(8,L)V*C16	FC/PC60C+TXV	0.98	1.00	1.02
T*(8,L)V*C16	UC48C	1.00	1.00	1.02
T*(8,L)V*C16	UC60C	0.98	1.00	1.02
T*(8,L)V*C20	FC/MC/PC48C	1.00	1.00	1.02
T*(8,L)V*C20	FC/PC60C+TXV	0.98	1.00	1.02
T*(8,L)V*C20	UC48C	1.00	1.00	1.02
T*(8,L)V*C20	UC60C	0.98	1.00	1.02
T*(8,L)V*C20	UC60C+TXV	0.98	1.00	1.02
T*(8,L)X*C16	FC/MC/PC48C	1.00	1.00	1.02
T*(8,L)X*C16	FC/PC60C	0.98	1.00	1.02
T*(8,L)X*C16	FC/PC60C+TXV	0.98	1.00	1.02
T*(8,L)X*C16	UC48C	1.00	1.00	1.02
T*(8,L)X*C16	UC60C	0.98	1.00	1.02
T*(8,L)X*C16	UC60C+TXV	0.98	1.00	1.02
T*(8,L)X*C20	FC/MC/PC48C	1.00	1.00	1.02
T*(8,L)X*C20	FC/PC60C	0.98	1.00	1.02
T*(8,L)X*C20	FC/PC60C+TXV	0.98	1.00	1.02
T*(8,L)X*C20	UC48C	1.00	1.00	1.02
T*(8,L)X*C20	UC60C	0.98	1.00	1.02
T*(8,L)X*C20	UC60C+TXV	0.98	1.00	1.02
T*9(C,V)*C16	FC/MC/PC48C	1.00	1.00	1.02
T*9(C,V)*C16	FC/PC60C+TXV	0.98	1.00	1.02
T*9(C,V)*C16	UC48C	1.00	1.00	1.02
T*9(C,V)*C16	UC60C	0.98	1.00	1.02
T*9(C,V)*C20	FC/MC/PC48C	1.00	1.00	1.02
T*9(C,V)*C20	FC/PC60C	0.98	1.00	1.02
T*9(C,V)*C20	FC/PC60C+TXV	0.98	1.00	1.02
T*9(C,V)*C20	UC48C	1.00	1.00	1.02
T*9(C,V)*C20	UC60C	0.98	1.00	1.02
T*9(C,V)*C20	UC60C+TXV	0.98	1.00	1.02
T*9(C,V)*D20	FC/MC/PC48D	1.00	1.00	1.02
T*9(C,V)*D20	FC/MC/PC60D	0.98	1.00	1.02
T*9(C,V)*D20	FC/MC/PC60D+TXV	0.98	1.00	1.02
T*9(C,V)*D20	UC48D	1.00	1.00	1.02
T*9(C,V)*D20	UC60D	0.98	1.00	1.02
T*9(C,V)*D20	UC60D+TXV	0.98	1.00	1.02
T*9X*C16	FC/MC/PC48C	1.00	1.00	1.02
T*9X*C16	FC/PC60C	0.98	1.00	1.02
T*9X*C16	FC/PC60C+TXV	0.98	1.00	1.02

Furnace	Coil	T.C.	S.C.	KW
T*9X*C16	UC48C	1.00	1.00	1.02
T*9X*C16	UC60C	0.98	1.00	1.02
T*9X*C16	UC60C+TXV	0.98	1.00	1.02
T*9X*C20	FC/MC/PC48C	1.00	1.00	1.02
T*9X*C20	FC/PC60C	0.98	1.00	1.02
T*9X*C20	FC/PC60C+TXV	0.98	1.00	1.02
T*9X*C20	UC48C	1.00	1.00	1.02
T*9X*C20	UC60C	0.98	1.00	1.02
T*9X*C20	UC60C+TXV	0.98	1.00	1.02
T*9X*D20	FC/MC/PC48D	1.00	1.00	1.02
T*9X*D20	FC/MC/PC60D	0.98	1.00	1.02
T*9X*D20	FC/MC/PC60D+TXV	0.98	1.00	1.02
T*9X*D20	UC48D	1.00	1.00	1.02
T*9X*D20	UC60D	0.98	1.00	1.02
T*9X*D20	UC60D+TXV	0.98	1.00	1.02
Y*(8,L)C*C16	FC/MC/PC48C	1.00	1.00	1.02
Y*(8,L)C*C16	FC/PC60C+TXV	0.98	1.00	1.02
Y*(8,L)C*C16	UC48C	1.00	1.00	1.02
Y*(8,L)C*C16	UC60C	0.98	1.00	1.02
Y*(8,L)C*C20	FC/MC/PC48C	1.00	1.00	1.02
Y*(8,L)C*C20	FC/PC60C+TXV	0.98	1.00	1.02
Y*(8,L)C*C20	UC48C	1.00	1.00	1.02
Y*(8,L)C*C20	UC60C	0.98	1.00	1.02
Y*(8,L)C*C20	UC60C+TXV	0.98	1.00	1.02
Y*9C*C16	FC/MC/PC48C	1.00	1.00	1.02
Y*9C*C16	FC/PC60C+TXV	0.98	1.00	1.02
Y*9C*C16	UC48C	1.00	1.00	1.02
Y*9C*C16	UC60C	0.98	1.00	1.02
Y*9C*C20	FC/MC/PC48C	1.00	1.00	1.02
Y*9C*C20	FC/PC60C	0.98	1.00	1.02
Y*9C*C20	FC/PC60C+TXV	0.98	1.00	1.02
Y*9C*C20	UC48C	1.00	1.00	1.02
Y*9C*C20	UC60C	0.98	1.00	1.02
Y*9C*C20	UC60C+TXV	0.98	1.00	1.02
Y*9C*D20	FC/MC/PC48D	1.00	1.00	1.02
Y*9C*D20	FC/MC/PC60D	0.98	1.00	1.02
Y*9C*D20	FC/MC/PC60D+TXV	0.98	1.00	1.02
Y*9C*D20	UC48D	1.00	1.00	1.02
Y*9C*D20	UC60D	0.98	1.00	1.02
Y*9C*D20	UC60D+TXV	0.98	1.00	1.02

COOLING PERFORMANCE DATA																
CONDENSING UNIT MODEL NO.		YHJR48S41S14														
INDOOR COIL MODEL NO.		F6FP048														
CONDENSING ENTERING AIR TEMPERATURE	IDCFM	1400					1600					1800				
	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.	48.9	52.7	52.5	58.0	62.8	50.9	53.6	53.6	59.0	64.0	52.9	54.6	54.8	60.0	65.2
	S.C.	48.9	46.4	39.4	39.3	31.8	50.9	49.7	41.6	41.3	32.9	52.9	53.1	43.8	43.4	33.9
	KW	3.10	3.20	3.20	3.30	3.50	3.20	3.20	3.30	3.40	3.60	3.20	3.30	3.30	3.60	3.70
75	T.C.	46.2	48.8	48.8	54.3	59.2	48.2	49.8	49.8	55.2	60.0	50.3	50.8	50.8	56.2	60.8
	S.C.	46.2	44.5	37.7	37.7	30.4	48.2	47.5	39.8	39.7	31.5	50.3	50.5	42.0	41.8	32.6
	KW	3.30	3.40	3.40	3.50	3.70	3.40	3.50	3.50	3.70	3.80	3.50	3.50	3.60	3.80	3.90
85	T.C.	43.4	44.9	45.1	50.5	55.6	45.5	45.9	45.9	51.5	56.0	47.6	46.9	46.8	52.4	56.5
	S.C.	43.4	42.7	35.9	36.0	28.9	45.5	45.3	38.0	38.1	30.1	47.6	46.9	40.2	40.2	31.2
	KW	3.50	3.60	3.60	3.70	3.90	3.60	3.70	3.70	3.90	4.00	3.80	3.80	3.80	4.00	4.10
95	T.C.	40.6	40.9	41.3	46.7	52.0	42.8	42.0	42.1	47.7	52.1	44.9	43.0	42.8	48.6	52.1
	S.C.	40.6	40.8	34.1	34.4	27.5	42.8	42.0	36.2	36.5	28.7	44.9	43.0	38.3	38.6	29.8
	KW	3.70	3.80	3.70	4.00	4.10	3.90	3.90	3.90	4.10	4.20	4.00	4.00	4.00	4.20	4.30
105	T.C.	37.2	37.4	36.7	43.0	47.9	39.3	38.9	37.4	43.7	48.2	41.4	40.4	38.1	44.4	48.4
	S.C.	37.2	37.4	32.0	32.8	25.9	39.3	38.9	34.1	34.9	27.0	41.4	40.4	36.3	36.9	28.1
	KW	3.90	4.00	3.90	4.10	4.30	4.10	4.10	4.00	4.30	4.40	4.30	4.20	4.10	4.40	4.50
115	T.C.	33.7	33.8	32.1	39.2	43.9	35.8	35.8	32.8	39.7	44.3	37.8	37.8	33.4	40.2	44.7
	S.C.	33.7	33.8	29.9	31.2	24.4	35.8	35.8	32.1	33.2	25.4	37.8	37.8	33.4	35.2	26.5
	KW	4.10	4.10	4.10	4.30	4.60	4.30	4.30	4.20	4.50	4.70	4.50	4.50	4.30	4.60	4.80
125	T.C.	30.3	30.2	27.5	35.4	39.8	32.3	32.7	28.1	35.7	40.4	34.3	35.2	28.7	35.9	40.9
	S.C.	30.3	30.2	27.5	29.6	22.9	32.3	32.7	28.1	31.5	23.8	34.3	35.2	28.7	33.5	24.8
	KW	4.40	4.30	4.20	4.50	4.80	4.50	4.50	4.40	4.70	4.90	4.70	4.70	4.50	4.80	5.00

NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT. KW VALUES ARE FOR THE SYSTEM (OUTDOOR + INDOOR).

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.

Air Handler	Coil	T.C.	S.C.	KW
AHE48D	–	1.00	0.98	1.06
AHE60D	–	1.01	1.00	1.07
AHV48D	–	1.00	0.99	1.00
AHV60D	–	1.00	1.02	0.99
AV*48	–	1.00	1.00	1.00
AV*60	–	1.00	1.00	1.00
MV20D	FC/MC60D	1.00	1.00	1.00
MV20D	FC/MC62D	1.00	1.00	1.00
MX20D	FC/MC60D	1.01	1.02	1.07
MX20D	FC/MC62D	1.02	1.02	1.09

Furnace	Coil	T.C.	S.C.	KW
T*(8,L)V*C20	FC/MC62D	1.00	1.00	1.03
T*(8,L)X*C20	FC/MC62D	1.00	1.00	1.03
T*9(C,V)*C20	FC/MC62D	1.00	1.00	1.03
T*9(C,V)*D20	FC/MC62D	1.00	1.00	1.03
T*9X*C20	FC/MC62D	1.00	1.00	1.03
T*9X*D20	FC/MC62D	1.00	1.00	1.03
Y*(8,L)C*C20	FC/MC62D	1.00	1.00	1.03
Y*9C*D20	FC/MC62D	1.00	1.00	1.03
Y*9C*C20	FC/MC62D	1.00	1.00	1.03

COOLING PERFORMANCE DATA																
CONDENSING UNIT MODEL NO.		YHJR60S41S5														
INDOOR COIL MODEL NO.		AHR60D														
CONDENSING ENTERING AIR TEMPERATURE	IDCFM	1800					2000					2200				
	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	60.5	60.5	66.0	72.0	59.4	61.6	61.6	67.1	73.0	61.2	62.7	62.6	68.2	74.0
	S.C.	57.1	52.5	44.9	44.2	35.6	58.9	55.6	46.8	46.2	36.7	60.8	58.6	48.8	48.2	37.7
	KW	3.59	3.62	3.62	3.68	3.75	3.68	3.70	3.71	3.76	3.83	3.78	3.79	3.79	3.85	3.92
75	T.C.	55.4	57.7	57.7	63.0	68.8	57.1	58.6	58.6	64.0	69.7	58.8	59.6	59.5	65.0	70.7
	S.C.	55.0	51.3	43.6	42.9	34.2	56.7	54.0	45.5	44.9	35.3	58.4	56.8	47.4	46.8	36.4
	KW	4.02	4.05	4.05	4.11	4.18	4.11	4.13	4.13	4.19	4.27	4.21	4.22	4.21	4.28	4.36
85	T.C.	53.3	54.8	54.9	60.1	65.6	54.9	55.7	55.6	61.0	66.5	56.5	56.5	56.3	61.8	67.4
	S.C.	52.9	50.0	42.2	41.6	32.8	54.5	52.5	44.1	43.6	33.9	56.1	54.9	46.1	45.5	35.0
	KW	4.45	4.47	4.47	4.54	4.61	4.55	4.56	4.56	4.62	4.70	4.64	4.64	4.64	4.71	4.79
95	T.C.	51.2	51.9	52.0	57.1	62.4	52.6	52.7	52.6	57.9	63.2	54.1	53.5	53.1	58.6	64.0
	S.C.	50.8	48.8	40.9	40.4	31.4	52.3	50.9	42.8	42.2	32.5	53.7	53.1	44.7	44.1	33.7
	KW	4.89	4.90	4.90	4.97	5.05	4.98	4.98	4.98	5.06	5.14	5.07	5.07	5.06	5.14	5.23
105	T.C.	48.5	48.3	48.6	53.4	58.5	49.8	49.5	49.1	54.0	59.1	51.2	50.6	49.5	54.6	59.7
	S.C.	48.1	46.6	39.4	38.8	29.9	49.5	48.4	41.3	40.7	31.0	50.8	50.2	43.1	42.6	32.1
	KW	5.43	5.42	5.43	5.50	5.58	5.52	5.52	5.51	5.59	5.67	5.62	5.62	5.60	5.68	5.76
115	T.C.	45.8	44.8	45.2	49.6	54.6	47.0	46.3	45.5	50.1	55.0	48.3	47.7	45.9	50.6	55.5
	S.C.	45.5	44.5	37.9	37.3	28.5	46.7	45.9	39.7	39.2	29.5	47.9	47.4	41.6	41.1	30.5
	KW	5.97	5.95	5.97	6.04	6.12	6.07	6.06	6.05	6.12	6.21	6.17	6.16	6.13	6.21	6.29
125	T.C.	43.1	41.2	41.7	45.9	50.7	44.2	43.0	42.0	46.2	50.9	45.4	44.9	42.3	46.5	51.2
	S.C.	42.8	41.2	36.3	35.7	27.0	43.9	43.0	38.2	37.6	28.0	45.0	44.5	40.0	39.5	28.9
	KW	6.51	6.48	6.50	6.57	6.65	6.62	6.59	6.58	6.66	6.74	6.72	6.71	6.66	6.74	6.82

NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT. KW VALUES ARE FOR THE SYSTEM (OUTDOOR + INDOOR).

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.

Air Handler	Coil	T.C.	S.C.	KW
–	FC/MC62	0.99	0.97	0.96
–	FC64	0.98	1.01	0.99
AHE60D	–	1.01	0.97	0.94
AHR60D	–	1.00	1.00	1.00
AHV60D	–	0.99	0.92	0.93
MV20D	FC/MC62D	1.00	0.98	0.94
MV20D	FC64D	0.98	1.02	0.97
MX20D	FC/MC62D	1.01	0.97	0.93
MX20D	FC64D	0.98	1.01	0.94

Furnace	Coil	T.C.	S.C.	KW
T*(8,L)V*C20	FC/MC62D	0.98	0.93	0.94
T*(8,L)V*C20	FC64D	0.98	1.01	0.98
T*(8,L)X*C20	FC/MC62D	0.99	0.95	0.91
T*(8,L)X*C20	FC64D	0.97	0.97	0.93
T*9(C,V)*C20	FC/MC62D	0.98	0.93	0.94
T*9(C,V)*C20	FC64D	0.96	0.96	0.95
T*9(C,V)*D20	FC/MC62D	0.99	0.93	0.94
T*9(C,V)*D20	FC64D	0.96	0.95	0.95
T*9X*C20	FC/MC62D	0.99	0.95	0.91
T*9X*C20	FC64D	0.96	0.95	0.93
T*9X*D20	FC/MC62D	0.99	0.95	0.92
T*9X*D20	FC64D	0.97	0.96	0.94
Y*(8,L)C*C20	FC/MC62D	0.98	0.93	0.94
Y*(8,L)C*C20	FC64D	0.98	1.01	0.98
Y*9C*C20	FC/MC62D	0.98	0.93	0.94
Y*9C*C20	FC64D	0.96	0.96	0.96
Y*9C*D20	FC/MC62D	0.99	0.93	0.94
Y*9C*D20	FC64D	0.96	0.95	0.95

HEATING PERFORMANCE DATA										
CONDENSING UNIT MODEL NO		YHJR18S41S3								
EVAPORATOR COIL MODEL NO		F6FP018								
AIR TEMP. ENTERING OUTDOOR UNIT	AIR TEMP. ENTERING INDOOR COIL	ID CFM								
		450			600			750		
		MBH	COP	KW	MBH	COP	KW	MBH	COP	KW
60	60	22.0	4.0	1.63	23.6	4.3	1.60	25.3	4.7	1.56
	70	20.6	3.6	1.69	22.2	3.9	1.66	23.7	4.3	1.63
	80	19.2	3.2	1.74	20.7	3.5	1.72	22.2	3.8	1.70
47	60	18.7	3.6	1.54	18.3	3.7	1.45	18.0	3.8	1.37
	70	17.3	3.2	1.57	17.6	3.4	1.53	18.0	3.5	1.49
	80	15.9	2.9	1.61	16.9	3.1	1.61	17.9	3.3	1.61
40	60	16.5	3.3	1.46	17.4	3.5	1.45	18.2	3.7	1.45
	70	15.3	3.0	1.49	16.2	3.2	1.50	17.1	3.4	1.50
	80	14.0	2.7	1.52	15.0	2.9	1.53	16.0	3.0	1.54
30	60	13.7	2.9	1.38	14.4	3.0	1.39	15.1	3.2	1.40
	70	12.5	2.6	1.38	13.3	2.8	1.40	14.1	2.9	1.41
	80	11.2	2.4	1.38	12.1	2.5	1.40	13.0	2.7	1.42
17	60	10.2	2.4	1.23	10.8	2.5	1.25	11.4	2.6	1.27
	70	9.0	2.2	1.22	9.6	2.3	1.24	10.2	2.4	1.27
	80	7.8	1.9	1.22	8.4	2.0	1.25	9.0	2.1	1.27
10	60	7.7	2.0	1.14	8.1	2.0	1.18	8.5	2.1	1.21
	70	7.0	1.8	1.14	7.5	1.9	1.18	7.9	1.9	1.21
	80	6.4	1.6	1.15	6.9	1.7	1.18	7.3	1.8	1.21

NOTE: ALL CAPACITIES ARE NET, WITH INDOOR FAN HEAT ALREADY DEDUCTED. KW VALUES ARE FOR THE SYSTEM (OUTDOOR + INDOOR).

Multipliers for determining the performance with other indoor sections.

Air Handler	Coil	MBH	COP	KW
AHE18B	—	0.99	0.98	1.01
AHV18B	—	1.00	1.01	0.99
AV*24	—	1.00	1.00	1.00
MV12B	FC/MC18B	1.00	1.00	1.00
MV12B	FC/MC24B	1.00	1.00	1.00
MV12B	FC/MC30B	1.00	1.00	1.00
MX12B	FC/MC18B	0.99	0.97	1.02
MX12B	FC/MC24B	1.01	0.94	1.07
MX12B	FC/MC30B	1.01	0.94	1.07

Furnace	Coil	MBH	COP	KW
T*(8,L)V*A12	FC/MC/PC/UC24A	1.00	1.00	1.00
T*(8,L)V*A12	FC/MC/PC/UC30A	1.00	1.00	1.00
T*(8,L)V*B12	FC/MC/PC/UC24B	1.00	1.00	1.00
T*(8,L)V*B12	FC/MC/PC/UC30B	1.00	1.00	1.00
T*(8,L)X*A12	FC/MC/PC/UC24A	1.00	1.00	1.00
T*(8,L)X*A12	FC/MC/PC/UC30A	1.00	1.00	1.00
T*(8,L)X*B12	FC/MC/PC/UC24B	1.00	1.00	1.00
T*(8,L)X*B12	FC/MC/PC/UC30B	1.00	1.00	1.00
T*9(C,V)*B12	FC/MC/PC/UC24B	1.00	1.00	1.00
T*9(C,V)*B12	FC/MC/PC/UC30B	1.00	1.00	1.00
T*9V*A10	FC/MC/PC24A	1.00	1.00	1.00
T*9X*A10	FC/MC/PC24A	1.00	1.00	1.00
T*9X*B12	FC/MC/PC/UC24B	1.00	1.00	1.00
T*9X*B12	FC/MC/PC/UC30B	1.00	1.00	1.00
Y*(8,L)C*A12	FC/MC/PC/UC24A	1.00	1.00	1.00
Y*(8,L)C*A12	FC/MC/PC/UC30A	1.00	1.00	1.00
Y*(8,L)C*B12	FC/MC/PC/UC24B	1.00	1.00	1.00
Y*(8,L)C*B12	FC/MC/PC/UC30B	1.00	1.00	1.00
Y*9C*B12	FC/MC/PC/UC24B	1.00	1.00	1.00
Y*9C*B12	FC/MC/PC/UC30B	1.00	1.00	1.00

HEATING PERFORMANCE DATA										
CONDENSING UNIT MODEL NO		YHJR24S41S4								
EVAPORATOR COIL MODEL NO		F6FP024								
AIR TEMP. ENTERING OUTDOOR UNIT	AIR TEMP. ENTERING INDOOR COIL	ID CFM								
		600			800			1000		
		MBH	COP	KW	MBH	COP	KW	MBH	COP	KW
60	60	27.6	4.3	1.91	28.9	4.6	1.86	30.2	4.9	1.82
	70	25.9	3.8	1.98	27.2	4.1	1.95	28.5	4.4	1.92
	80	24.1	3.4	2.06	25.5	3.7	2.04	26.8	3.9	2.02
47	60	22.7	3.8	1.75	23.8	4.0	1.74	24.9	4.2	1.72
	70	21.4	3.5	1.82	22.4	3.6	1.81	23.4	3.8	1.80
	80	20.1	3.1	1.88	21.0	3.3	1.88	21.8	3.4	1.88
40	60	20.3	3.6	1.67	21.0	3.7	1.67	21.8	3.8	1.67
	70	19.1	3.2	1.73	19.8	3.4	1.73	20.5	3.5	1.74
	80	17.9	2.9	1.78	18.5	3.0	1.80	19.1	3.1	1.81
30	60	15.9	3.0	1.56	17.0	3.2	1.57	18.1	3.4	1.58
	70	15.4	2.8	1.61	16.2	2.9	1.62	17.0	3.0	1.64
	80	14.9	2.6	1.66	15.4	2.7	1.68	15.8	2.7	1.70
17	60	12.8	2.6	1.43	13.5	2.7	1.45	14.2	2.8	1.48
	70	11.7	2.4	1.45	12.2	2.4	1.47	12.7	2.5	1.50
	80	10.6	2.1	1.46	10.9	2.2	1.48	11.2	2.2	1.51
10	60	1.0	0.2	1.91	6.2	1.1	1.61	11.4	2.4	1.39
	70	5.0	0.9	1.60	7.6	1.5	1.50	10.2	2.1	1.40
	80	9.0	1.9	1.37	9.1	1.9	1.39	9.1	1.9	1.42

NOTE: ALL CAPACITIES ARE NET, WITH INDOOR FAN HEAT ALREADY DEDUCTED. KW VALUES ARE FOR THE SYSTEM (OUTDOOR + INDOOR).

Multipliers for determining the performance with other indoor sections.

Air Handler	Coil	MBH	COP	KW
AHE22B	–	0.96	0.96	0.87
AHV24B	–	0.98	0.99	0.99
AHV30B	–	1.00	1.00	1.00
AHE24B	–	0.94	0.99	0.82
AHE30B	–	0.94	0.99	0.82
AV*24	–	0.94	0.99	0.82
MV12B	FC/MC24B	1.00	1.00	1.00
MV12B	FC/MC30B	1.00	1.00	1.00
MX12B	FC/MC24B	0.99	0.97	1.03
MX12B	FC/MC30B	0.99	0.97	1.03

Furnace	Coil	MBH	COP	KW
T*(8,L)V*A12	FC/MC/PC24A	1.00	1.00	1.00
T*(8,L)V*A12	FC/MC/PC30A	1.00	1.00	1.00
T*(8,L)V*A12	UC24A	1.00	1.00	1.00
T*(8,L)V*A12	UC30A	1.00	1.00	1.00
T*(8,L)V*B12	FC/MC/PC24B	1.00	1.00	1.00
T*(8,L)V*B12	FC/MC/PC30B	1.00	1.00	1.00
T*(8,L)V*B12	UC24B	1.00	1.00	1.00
T*(8,L)V*B12	UC30B	1.00	1.00	1.00
T*(8,L)X*A12	FC/MC/PC24A	1.00	1.00	1.00
T*(8,L)X*A12	FC/MC/PC30A	1.00	1.00	1.00
T*(8,L)X*A12	UC24A	1.00	1.00	1.00
T*(8,L)X*A12	UC30A	1.00	1.00	1.00

Furnace	Coil	MBH	COP	KW
T*(8,L)X*B12	FC/MC/PC24B	1.00	1.00	1.00
T*(8,L)X*B12	FC/MC/PC30B	1.00	1.00	1.00
T*(8,L)X*B12	UC24B	1.00	1.00	1.00
T*(8,L)X*B12	UC30B	1.00	1.00	1.00
T*9(C,V)*B12	FC/MC/PC24B	1.00	1.00	1.00
T*9(C,V)*B12	FC/MC/PC30B	1.00	1.00	1.00
T*9(C,V)*B12	UC24B	1.00	1.00	1.00
T*9(C,V)*B12	UC30B	1.00	1.00	1.00
T*9X*B12	FC/MC/PC24B	1.00	1.00	1.00
T*9X*B12	FC/MC/PC30B	1.00	1.00	1.00
T*9X*B12	UC24B	1.00	1.00	1.00
T*9X*B12	UC30B	1.00	1.00	1.00
Y*(8,L)C*A12	FC/MC/PC24A	1.00	1.00	1.00
Y*(8,L)C*A12	FC/MC/PC30A	1.00	1.00	1.00
Y*(8,L)C*A12	UC24A	1.00	1.00	1.00
Y*(8,L)C*A12	UC30A	1.00	1.00	1.00
Y*(8,L)C*B12	FC/MC/PC24B	1.00	1.00	1.00
Y*(8,L)C*B12	FC/MC/PC30B	1.00	1.00	1.00
Y*(8,L)C*B12	UC24B	1.00	1.00	1.00
Y*(8,L)C*B12	UC30B	1.00	1.00	1.00
Y*9C*B12	FC/MC/PC24B	1.00	1.00	1.00
Y*9C*B12	FC/MC/PC30B	1.00	1.00	1.00
Y*9C*B12	UC24B	1.00	1.00	1.00
Y*9C*B12	UC30B	1.00	1.00	1.00

HEATING PERFORMANCE DATA										
CONDENSING UNIT MODEL NO		YHJR30S41S4								
EVAPORATOR COIL MODEL NO		F6FP030								
AIR TEMP. ENTERING OUTDOOR UNIT	AIR TEMP. ENTERING INDOOR COIL	ID CFM								
		800			1000			1200		
		MBH	COP	KW	MBH	COP	KW	MBH	COP	KW
60	60	33.1	4.1	2.35	31.7	4.0	2.30	30.2	3.9	2.25
	70	31.6	3.8	2.47	31.4	3.8	2.43	31.1	3.8	2.39
	80	30.1	3.4	2.60	31.1	3.5	2.58	32.1	3.7	2.54
47	60	26.7	3.6	2.18	27.6	3.8	2.15	28.5	3.9	2.13
	70	25.5	3.3	2.27	26.3	3.4	2.26	27.1	3.5	2.25
	80	24.4	3.0	2.37	25.1	3.1	2.36	25.8	3.2	2.37
40	60	22.8	3.3	2.03	23.5	3.4	2.03	24.2	3.5	2.02
	70	22.1	3.1	2.12	22.8	3.1	2.13	23.5	3.2	2.13
	80	21.5	2.8	2.21	22.2	2.9	2.23	22.9	3.0	2.24
30	60	20.5	3.1	1.94	20.2	3.1	1.92	19.9	3.1	1.90
	70	18.9	2.8	1.97	18.8	2.8	1.97	18.7	2.8	1.98
	80	17.3	2.5	2.01	17.4	2.5	2.02	17.5	2.5	2.04
17	60	15.6	2.6	1.73	15.8	2.6	1.75	16.0	2.7	1.77
	70	13.4	2.3	1.71	14.2	2.4	1.76	15.0	2.4	1.82
	80	11.3	2.0	1.68	12.6	2.1	1.78	14.0	2.2	1.87
10	60	13.2	2.4	1.64	13.5	2.4	1.67	13.9	2.4	1.70
	70	12.0	2.1	1.65	12.3	2.1	1.69	12.5	2.1	1.71
	80	10.8	1.9	1.67	11.0	1.9	1.70	11.2	1.9	1.73

NOTE: ALL CAPACITIES ARE NET, WITH INDOOR FAN HEAT ALREADY DEDUCTED. KW VALUES ARE FOR THE SYSTEM (OUTDOOR + INDOOR).

Multipliers for determining the performance with other indoor sections.

Air Handler	Coil	MBH	COP	KW
AHE30B	—	0.99	0.98	1.02
AHE34C	—	1.00	1.00	1.00
AHE36C	—	1.01	0.94	1.07
AHV36C	—	1.01	1.03	0.97
AV*36	—	1.02	0.99	1.03
MV12B	FC/MC43B	1.02	0.99	1.03
MV16C	FC/MC35C	1.00	1.00	1.00
MV16C	FC/MC43C	1.02	0.99	1.03
MX12B	FC/MC35B	0.99	0.96	1.03
MX12B	FC/MC43B	1.01	0.94	1.07

Furnace	Coil	MBH	COP	KW
T*(8,L)V*B12	FC/MC/PC43B	1.02	1.03	0.99
T*(8,L)V*C16	FC/MC/PC43C	1.02	1.03	0.99
T*(8,L)X*B12	FC/MC/PC43B	1.02	1.03	0.99
T*(8,L)X*C16	FC/MC/PC43C	1.02	1.03	0.99
T*9(C,V)*B12	FC/MC/PC43B	1.02	1.03	0.99
T*9(C,V)*C16	FC/MC/PC43C	1.02	1.03	0.99
T*9X*B12	FC/MC/PC43B	1.02	1.03	0.99
T*9X*C16	FC/MC/PC43C	1.02	1.03	0.99
Y*(8,L)C*B12	FC/MC/PC43B	1.02	1.03	0.99
Y*(8,L)C*C16	FC/MC/PC43C	1.02	1.03	0.99
Y*9C*B12	FC/MC/PC43B	1.02	1.03	0.99
Y*9C*C16	FC/MC/PC43C	1.02	1.03	0.99

HEATING PERFORMANCE DATA										
CONDENSING UNIT MODEL NO		YHJR36S41S4								
EVAPORATOR COIL MODEL NO		F6FP036								
AIR TEMP. ENTERING OUTDOOR UNIT	AIR TEMP. ENTERING INDOOR COIL	ID CFM								
		1000			1200			1400		
		MBH	COP	KW	MBH	COP	KW	MBH	COP	KW
60	60	46.1	4.4	3.07	47.6	4.8	2.90	49.0	4.8	3.02
	70	44.0	4.0	3.23	45.5	4.3	3.08	46.9	4.3	3.19
	80	42.0	3.6	3.40	43.3	3.9	3.25	44.7	3.9	3.38
47	60	38.1	4.0	2.82	39.4	4.3	2.70	40.8	4.2	2.86
	70	36.1	3.6	2.97	37.4	3.9	2.84	38.7	3.8	3.00
	80	34.2	3.2	3.10	35.4	3.5	2.98	36.6	3.4	3.14
40	60	34.0	3.7	2.72	34.9	3.9	2.60	35.7	3.8	2.76
	70	32.2	3.3	2.84	33.2	3.6	2.73	34.2	3.5	2.90
	80	30.3	3.0	2.96	31.4	3.2	2.86	32.6	3.1	3.04
30	60	27.7	3.1	2.59	28.8	3.4	2.48	29.8	3.3	2.64
	70	26.5	2.9	2.67	27.4	3.1	2.57	28.2	3.0	2.75
	80	25.3	2.7	2.74	26.0	2.9	2.65	26.6	2.7	2.86
17	60	21.5	2.7	2.36	22.2	2.9	2.28	23.0	2.7	2.46
	70	20.2	2.5	2.40	20.9	2.7	2.31	21.6	2.5	2.51
	80	19.0	2.3	2.44	19.6	2.4	2.36	20.3	2.3	2.56
10	60	18.7	2.5	2.23	19.3	2.6	2.17	19.9	2.5	2.37
	70	17.2	2.2	2.25	17.8	2.4	2.18	18.5	2.3	2.40
	80	15.7	2.0	2.26	16.3	2.2	2.20	17.0	2.1	2.41

NOTE: ALL CAPACITIES ARE NET, WITH INDOOR FAN HEAT ALREADY DEDUCTED. KW VALUES ARE FOR THE SYSTEM (OUTDOOR + INDOOR).

Multipliers for determining the performance with other indoor sections.

Air Handler	Coil	MBH	COP	KW
AHE34C	–	1.00	1.00	1.00
AHE36C	–	1.02	0.97	1.05
AHV36C	–	1.02	1.03	1.00
AV*36	–	1.03	1.00	1.06
MV16C	FC/MC35C	1.00	1.00	1.00
MV16C	FC/MC43C	1.03	1.00	1.06
MX12B	FC/MC35B	1.00	0.99	1.01
MX12B	FC/MC43B	1.02	0.99	1.03
MX16C	FC/MC43C	1.00	0.95	1.05

Furnace	Coil	MBH	COP	KW
T*(8,L)V*C16	FC/MC/PC43C	1.02	1.06	0.96
T*(8,L)V*C20	FC/MC/PC43C	1.02	1.06	0.96
T*(8,L)X*C16	FC/MC/PC43C	1.02	1.06	0.96
T*(8,L)X*C20	FC/MC/PC43C	1.02	1.06	0.96
T*9(C,V)*C16	FC/MC/PC43C	1.02	1.06	0.96
T*9(C,V)*C20	FC/MC/PC43C	1.02	1.06	0.96
T*9X*C16	FC/MC/PC43C	1.02	1.06	0.96
T*9X*C20	FC/MC/PC43C	1.02	1.06	0.96
Y*(8,L)C*C16	FC/MC/PC43C	1.02	1.06	0.96
Y*(8,L)C*C20	FC/MC/PC43C	1.02	1.06	0.96
Y*9C*C16	FC/MC/PC43C	1.02	1.06	0.96
Y*9C*C20	FC/MC/PC43C	1.02	1.06	0.96

HEATING PERFORMANCE DATA										
CONDENSING UNIT MODEL NO		YHJR42S41S4								
EVAPORATOR COIL MODEL NO		F6FP042								
AIR TEMP. ENTERING OUTDOOR UNIT	AIR TEMP. ENTERING INDOOR COIL	ID CFM								
		1200			1400			1600		
		MBH	COP	KW	MBH	COP	KW	MBH	COP	KW
60	60	47.6	4.6	3.01	47.5	4.7	2.96	47.5	4.8	2.92
	70	46.0	4.3	3.17	46.4	4.3	3.14	46.7	4.4	3.11
	80	44.4	3.9	3.34	45.2	4.0	3.31	46.0	4.1	3.29
47	60	41.6	4.3	2.85	42.2	4.4	2.83	42.9	4.5	2.82
	70	39.8	3.9	2.97	40.7	4.0	2.98	41.6	4.1	2.98
	80	38.0	3.6	3.11	39.1	3.7	3.12	40.3	3.8	3.13
40	60	37.8	4.1	2.73	38.9	4.2	2.74	39.9	4.3	2.75
	70	36.1	3.7	2.85	37.1	3.8	2.86	38.1	3.9	2.87
	80	34.4	3.4	2.97	35.4	3.5	2.98	36.4	3.6	2.99
30	60	32.1	3.7	2.57	32.5	3.7	2.59	32.8	3.7	2.60
	70	30.6	3.4	2.68	31.2	3.4	2.69	31.8	3.4	2.71
	80	29.1	3.1	2.78	29.9	3.1	2.80	30.8	3.2	2.83
17	60	25.9	3.1	2.43	26.5	3.2	2.45	27.2	3.2	2.48
	70	24.4	2.9	2.48	25.1	2.9	2.52	25.7	3.0	2.54
	80	23.0	2.6	2.55	23.6	2.7	2.57	24.3	2.7	2.60
10	60	21.9	2.8	2.26	21.8	2.8	2.30	21.7	2.7	2.33
	70	19.7	2.5	2.28	20.0	2.5	2.32	20.3	2.5	2.36
	80	17.5	2.2	2.29	18.2	2.3	2.34	18.9	2.3	2.38

NOTE: ALL CAPACITIES ARE NET, WITH INDOOR FAN HEAT ALREADY DEDUCTED. KW VALUES ARE FOR THE SYSTEM (OUTDOOR + INDOOR).

Multipliers for determining the performance with other indoor sections.

Air Handler	Coil	MBH	COP	KW
AHE42D	—	0.98	0.98	1.00
AHE48D	—	0.96	0.97	0.99
AHV42D	—	0.99	1.00	0.99
AHV48D	—	0.98	0.99	0.99
AV*48	—	0.98	0.98	1.00
AV*60	—	0.98	0.98	1.00
MV16C	FC/MC48C	1.00	1.00	1.00
MV16C	FC60C	0.98	0.98	1.00
MV20D	FC/MC48D	1.00	1.00	1.00
MV20D	FC/MC60D	0.98	0.98	1.00
MX16C	FC/MC48C	0.98	0.98	0.99
MX16C	FC60C	0.98	0.98	1.00
MX20D	FC/MC48D	0.98	0.98	1.00
MX20D	FC/MC60D	0.98	0.98	1.00

Continued on next page.

Furnace	Coil	MBH	COP	KW
T*(8,L)V*C16	FC/MC/PC48C	0.98	1.01	0.97
T*(8,L)V*C16	FC/PC60C+TXV	0.96	1.00	0.98
T*(8,L)V*C16	UC48C	0.98	1.01	0.97
T*(8,L)V*C16	UC60C	0.96	1.01	0.97
T*(8,L)V*C20	FC/MC/PC48C	0.98	1.01	0.97
T*(8,L)V*C20	FC/PC60C+TXV	0.96	1.00	0.98
T*(8,L)V*C20	UC48C	0.98	1.01	0.97
T*(8,L)V*C20	UC60C	0.96	1.01	0.97
T*(8,L)V*C20	UC60C+TXV	0.96	1.01	0.97
T*(8,L)X*C16	FC/MC/PC48C	0.98	1.00	0.98
T*(8,L)X*C16	FC/PC60C	0.96	1.00	0.98
T*(8,L)X*C16	FC/PC60C+TXV	0.96	1.00	0.98
T*(8,L)X*C16	UC48C	0.98	1.00	0.98
T*(8,L)X*C16	UC60C	0.96	1.01	0.97
T*(8,L)X*C16	UC60C+TXV	0.96	1.01	0.97
T*(8,L)X*C20	FC/MC/PC48C	0.98	1.00	0.98
T*(8,L)X*C20	FC/PC60C	0.96	1.00	0.98
T*(8,L)X*C20	FC/PC60C+TXV	0.96	1.00	0.98
T*(8,L)X*C20	UC48C	0.98	1.00	0.98
T*(8,L)X*C20	UC60C	0.96	1.01	0.97
T*(8,L)X*C20	UC60C+TXV	0.96	1.01	0.97
T*9(C,V)*C16	FC/MC/PC48C	0.98	1.01	0.97
T*9(C,V)*C16	FC/PC60C+TXV	0.96	1.00	0.98
T*9(C,V)*C16	UC48C	0.98	1.01	0.97
T*9(C,V)*C16	UC60C	0.96	1.01	0.97
T*9(C,V)*C20	FC/MC/PC48C	0.98	1.01	0.97
T*9(C,V)*C20	FC/PC60C	0.96	1.01	0.97
T*9(C,V)*C20	FC/PC60C+TXV	0.96	1.00	0.98
T*9(C,V)*C20	UC48C	0.98	1.01	0.97
T*9(C,V)*C20	UC60C	0.96	1.01	0.97
T*9(C,V)*C20	UC60C+TXV	0.96	1.00	0.98
T*9(C,V)*D20	FC/MC/PC48D	0.98	1.01	0.97
T*9(C,V)*D20	FC/MC/PC60D	0.96	1.01	0.97
T*9(C,V)*D20	FC/MC/PC60D+TXV	0.96	1.01	0.97
T*9(C,V)*D20	UC48D	0.98	1.01	0.97
T*9(C,V)*D20	UC60D	0.96	1.00	0.98
T*9(C,V)*D20	UC60D+TXV	0.96	1.01	0.97
T*9X*C16	FC/MC/PC48C	0.98	1.00	0.98
T*9X*C16	FC/PC60C	0.96	1.01	0.97
T*9X*C16	FC/PC60C+TXV	0.96	1.01	0.97

Furnace	Coil	MBH	COP	KW
T*9X*C16	UC48C	0.98	1.00	0.98
T*9X*C16	UC60C	0.96	1.00	0.98
T*9X*C16	UC60C+TXV	0.96	1.00	0.98
T*9X*C20	FC/MC/PC48C	0.98	1.00	0.98
T*9X*C20	FC/PC60C	0.96	1.01	0.97
T*9X*C20	FC/PC60C+TXV	0.96	1.01	0.97
T*9X*C20	UC48C	0.98	1.00	0.98
T*9X*C20	UC60C	0.96	1.00	0.98
T*9X*C20	UC60C+TXV	0.96	1.00	0.98
T*9X*D20	FC/MC/PC48D	0.98	1.00	0.98
T*9X*D20	FC/MC/PC60D	0.96	1.01	0.97
T*9X*D20	FC/MC/PC60D+TXV	0.96	1.00	0.98
T*9X*D20	UC48D	0.98	1.00	0.98
T*9X*D20	UC60D	0.96	1.01	0.97
T*9X*D20	UC60D+TXV	0.96	1.01	0.97
Y*(8,L)C*C16	FC/MC/PC48C	0.98	1.01	0.97
Y*(8,L)C*C16	FC/PC60C+TXV	0.96	1.01	0.97
Y*(8,L)C*C16	UC48C	0.98	1.01	0.97
Y*(8,L)C*C16	UC60C	0.96	1.00	0.98
Y*(8,L)C*C20	FC/MC/PC48C	0.98	1.01	0.97
Y*(8,L)C*C20	FC/PC60C+TXV	0.96	1.01	0.97
Y*(8,L)C*C20	UC48C	0.98	1.01	0.97
Y*(8,L)C*C20	UC60C	0.96	1.00	0.98
Y*(8,L)C*C20	UC60C+TXV	0.96	1.00	0.98
Y*9C*C16	FC/MC/PC48C	0.98	1.01	0.97
Y*9C*C16	FC/PC60C+TXV	0.96	1.01	0.97
Y*9C*C16	UC48C	0.98	1.01	0.97
Y*9C*C16	UC60C	0.96	1.01	0.97
Y*9C*C20	FC/MC/PC48C	0.98	1.01	0.97
Y*9C*C20	FC/PC60C	0.96	1.01	0.97
Y*9C*C20	FC/PC60C+TXV	0.96	1.01	0.97
Y*9C*C20	UC48C	0.98	1.01	0.97
Y*9C*C20	UC60C	0.96	1.01	0.97
Y*9C*C20	UC60C+TXV	0.96	1.00	0.98
Y*9C*D20	FC/MC/PC48D	0.98	1.01	0.97
Y*9C*D20	FC/MC/PC60D	0.96	1.01	0.97
Y*9C*D20	FC/MC/PC60D+TXV	0.96	1.00	0.98
Y*9C*D20	UC48D	0.98	1.01	0.97
Y*9C*D20	UC60D	0.96	1.01	0.97
Y*9C*D20	UC60D+TXV	0.96	1.01	0.97

HEATING PERFORMANCE DATA										
CONDENSING UNIT MODEL NO		YHJR48S41S4								
EVAPORATOR COIL MODEL NO		F6FP048								
AIR TEMP. ENTERING OUTDOOR UNIT	AIR TEMP. ENTERING INDOOR COIL	ID CFM								
		1400			1600			1800		
		MBH	COP	KW	MBH	COP	KW	MBH	COP	KW
60	60	54.5	4.7	3.42	53.4	4.7	3.36	52.4	4.6	3.31
	70	53.4	4.3	3.68	53.5	4.3	3.64	53.6	4.4	3.60
	80	52.4	3.9	3.93	53.6	4.0	3.92	54.9	4.1	3.89
47	60	48.5	4.4	3.26	49.5	4.4	3.27	50.5	4.5	3.28
	70	46.4	3.9	3.45	47.2	3.9	3.54	48.1	3.9	3.64
	80	44.2	3.6	3.63	44.9	3.5	3.81	45.6	3.3	4.00
40	60	43.1	4.0	3.14	44.2	4.1	3.15	45.2	4.2	3.16
	70	40.0	3.6	3.25	41.6	3.7	3.30	43.2	3.8	3.34
	80	36.9	3.2	3.37	39.1	3.3	3.45	41.3	3.4	3.52
30	60	36.4	3.6	2.97	37.2	3.7	2.99	38.1	3.7	3.01
	70	34.5	3.3	3.09	35.4	3.3	3.12	36.2	3.4	3.16
	80	32.7	3.0	3.21	33.5	3.0	3.25	34.3	3.1	3.29
17	60	28.9	3.2	2.66	29.5	3.2	2.70	30.2	3.2	2.74
	70	27.3	2.9	2.78	27.7	2.9	2.79	28.1	2.9	2.81
	80	25.8	2.6	2.89	25.9	2.6	2.88	26.0	2.7	2.88
10	60	24.8	2.8	2.62	25.3	2.8	2.69	25.9	2.8	2.75
	70	23.1	2.5	2.71	23.6	2.5	2.76	24.1	2.5	2.82
	80	21.4	2.3	2.79	21.8	2.3	2.84	22.3	2.3	2.90

NOTE: ALL CAPACITIES ARE NET, WITH INDOOR FAN HEAT ALREADY DEDUCTED. KW VALUES ARE FOR THE SYSTEM (OUTDOOR + INDOOR).

Multipliers for determining the performance with other indoor sections.

Air Handler	Coil	MBH	COP	KW
AHE48D	–	0.98	1.01	0.97
AHE60D	–	0.98	0.98	1.00
AHV48D	–	0.98	0.97	1.01
AHV60D	–	0.99	0.99	1.00
AV*48	–	1.00	1.00	1.00
AV*60	–	1.00	1.00	1.00
MV20D	FC/MC60D	1.00	1.00	1.00
MV20D	FC/MC62D	1.00	1.00	1.00
MX20D	FC/MC60D	0.99	0.96	1.03
MX20D	FC/MC62D	0.98	0.96	1.01

Furnace	Coil	MBH	COP	KW
T*(8,L)V*C20	FC/MC62D	1.00	1.00	1.00
T*(8,L)X*C20	FC/MC62D	1.00	1.00	1.00
T*9(C,V)*C20	FC/MC62D	1.00	1.00	1.00
T*9(C,V)*D20	FC/MC62D	1.00	1.00	1.00
T*9X*C20	FC/MC62D	1.00	1.00	1.00
T*9X*D20	FC/MC62D	1.00	1.00	1.00
Y*(8,L)C*C20	FC/MC62D	1.00	1.00	1.00
Y*9C*D20	FC/MC62D	1.00	1.00	1.00
Y*9C*C20	FC/MC62D	1.00	1.00	1.00

HEATING PERFORMANCE DATA										
CONDENSING UNIT MODEL NO		YHJR60S41S5								
EVAPORATOR COIL MODEL NO		FC/MC62								
AIR TEMP. ENTERING OUTDOOR UNIT	AIR TEMP. ENTERING INDOOR COIL	ID CFM								
		1600			1800			2000		
		MBH	COP	KW	MBH	COP	KW	MBH	COP	KW
60	60	72.1	3.8	5.62	71.1	3.8	5.53	70.1	3.8	5.42
	70	70.9	3.4	6.11	70.6	3.4	6.02	70.3	3.5	5.90
	80	69.8	3.1	6.62	70.2	3.2	6.50	70.5	3.2	6.40
47	60	62.7	3.7	4.99	62.4	3.7	4.95	62.1	3.7	4.90
	70	61.1	3.3	5.43	61.1	3.5	5.09	61.1	3.8	4.76
	80	59.6	3.0	5.86	59.9	3.4	5.23	60.1	3.8	4.61
40	60	55.6	3.5	4.63	55.9	3.6	4.62	56.2	3.6	4.60
	70	54.3	3.1	5.06	54.5	3.2	5.04	54.8	3.2	5.00
	80	52.9	2.8	5.50	53.1	2.9	5.46	53.3	2.9	5.40
30	60	45.3	3.2	4.20	45.7	3.2	4.20	46.1	3.2	4.21
	70	43.9	2.9	4.51	44.3	2.9	4.53	44.8	2.9	4.54
	80	42.4	2.6	4.82	43.0	2.6	4.86	43.5	2.6	4.90
17	60	38.0	2.8	3.93	38.5	2.9	3.96	39.1	2.9	4.00
	70	35.5	2.5	4.19	36.5	2.5	4.24	37.5	2.6	4.31
	80	33.0	2.2	4.47	34.4	2.2	4.53	35.9	2.3	4.61
10	60	32.3	2.6	3.71	32.8	2.6	3.74	33.3	2.6	3.75
	70	31.3	2.3	4.04	31.5	2.3	4.05	31.8	2.3	4.08
	80	30.3	2.0	4.35	30.2	2.0	4.36	30.2	2.0	4.38

NOTE: ALL CAPACITIES ARE NET, WITH INDOOR FAN HEAT ALREADY DEDUCTED. KW VALUES ARE FOR THE SYSTEM (OUTDOOR + INDOOR).

Multipliers for determining the performance with other indoor sections.

Air Handler	Coil	MBH	COP	KW
-	FC/MC62	1.00	1.00	1.00
-	FC64	1.03	0.95	1.08
AHE60D	-	0.99	1.01	0.98
AHR60D	-	1.01	0.98	1.04
AHV60D	-	0.99	0.97	1.02
MV20D	FC/MC62D	1.00	1.00	1.00
MV20D	FC64D	1.01	0.97	1.05
MX20D	FC/MC62D	0.99	1.02	0.97
MX20D	FC64D	1.00	0.98	1.02

Furnace	Coil	MBH	COP	KW
T*(8,L)V*C20	FC/MC62D	0.99	0.96	1.03
T*(8,L)V*C20	FC64D	1.01	0.95	1.06
T*(8,L)X*C20	FC/MC62D	0.98	0.98	1.00
T*(8,L)X*C20	FC64D	1.00	0.95	1.05
Y*9C*C20	FC/MC62D	0.99	0.95	1.04
T*9(C,V)*C20	FC64D	1.01	0.94	1.07
T*9(C,V)*D20	FC/MC62D	0.99	0.96	1.03
T*9(C,V)*D20	FC64D	1.01	0.94	1.07
T*9X*C20	FC/MC62D	0.98	0.98	1.00
T*9X*C20	FC64D	1.01	0.94	1.07
T*9X*D20	FC/MC62D	0.98	0.97	1.01
T*9X*D20	FC64D	1.01	0.95	1.05
Y*(8,L)C*C20	FC/MC62D	0.99	0.96	1.03
Y*(8,L)C*C20	FC64D	1.01	0.95	1.06
Y*9C*C20	FC/MC62D	0.99	0.95	1.04
Y*9C*C20	FC64D	1.01	0.94	1.08
Y*9C*D20	FC/MC62D	0.99	0.96	1.03
Y*9C*D20	FC64D	1.01	0.94	1.07

NOTES