Quick Ship Program

Affinity Compact YK Series

Premium efficiency in a cabinet footprint that rivals lower efficiency water source heat pumps

Quick Ship

York offers quick shipment on a select range of Affinity Compact YK Series units to support a growing demand for replacement water source heat pumps. This program currently allows a maximum of three units of any one size and voltage with a maximum of six total units in one order and is available with the configurations and options listed inside.

Affinity Compact YK Series Configuration Options

Maximum of 3 units per size and voltage with a total of 6 units per order

- Vertical or Horizontal cabinets
- Left or Right return air
- Discharge Air: top (vertical), end or side discharge (horizontal)
- Sizes: Single Speed: 012, 015, 018, 024, 030, 036, 042, 048, 060, 070
  Dual Capacity: 026, 038, 048, 064, 072
- Voltages: 208-230/60/1, 265-277/60/1, 208-230/60/3, 460/60/3
- Blower motor options: PSC or 5-Speed ECM,
  Variable Speed Constant Torque ECM (012)
- All-Aluminum Air Coil
- 4-Sided Filter Rack
- Optional Sound Kit
- Optional Electrical Disconnect
- Optional Stainless Steel Condensate Drain Pan
- Optional 2-way Internal Water Valve

Nomenclature

1-2	3	4	5-7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22-23	24
YK	**S**	**V**	**036**	**T**	**L**	**0**	**0**	**0**	**C**	**A**	**N**	**N**	**A**	**7**	**N**	**4**	**0**	**SS**	*****

Model Type

YK = YK Series

Operation Range

S = Single Speed
T = Dual Capacity

Cabinet Configuration

V = Vertical
H = Horizontal

Unit Capacity (MBTUH)

Single Speed:
012, 015, 018, 024, 030, 036, 042, 048, 060, 070
Dual-Capacity:
026, 038, 049, 064, 072

Discharge Configuration

T = Top (vertical)
E = End (horizontal)
S = Side (horizontal)

Return Air Configuration

L = Left
R = Right

Voltage

0 = 208-230/60/1
2 = 265-277/60/1 (012-038)
3 = 208-230/60/3 (024-072)
4 = 460/60/3 (024-072)

Refrigeration Option

0 = None

Blower Motor Options

0 = PSC Blower
4 = 5-Speed ECM Blower (015-072)
6 = Variable Speed Constant Torque ECM Blower (012)

Vintage

* = Factory Use Only

Non-Standard Option Details

SS = Standard

Drain Pan Options

0 = Composite, No Secondary Connection
2 = Stainless Steel, No Secondary Connection

Cabinet Option

2 = Unpainted Cabinet, MERV 4, Filter Rack

Phase Guard

N = None
D = Disconnect

Air Coil/Insulation Options

7 = All-Aluminum, Uncoated/Extended Range

Controls Options

A = Aurora® Base Control (ABC)

Water Control Option

N = None
V = 2-Way Valve

Hot Gas Reheat/Bypass

N = None

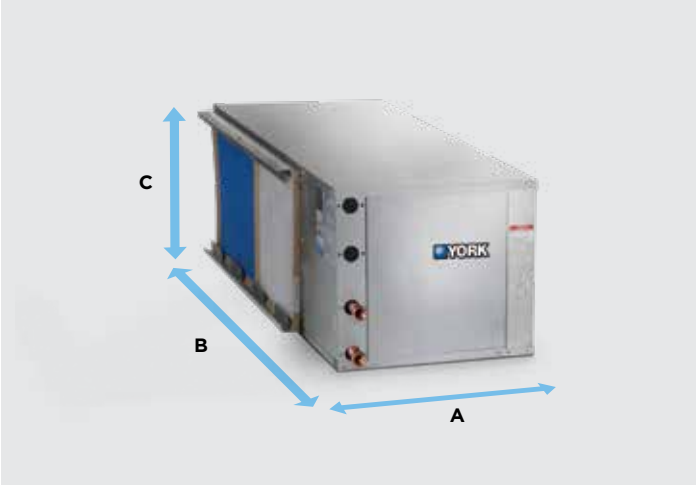
Sound Kit

A = None
B = Sound Kit

Coax

C = Copper

Model Sizing



Model	A	B	C
012	22.5	22.2	30.2
015 - 018	22.5	26.2	40.2
024 - 030	22.5	26.2	44.2
036 - 038	25.5	31.2	44.2
042 - 049	25.5	31.2	48.2
060 - 072	25.5	31.2	52.2

Model	A	B	C
012	22.5	35.0	17.2
015 - 018	22.5	42.0	19.2
024 - 030	22.5	45.0	19.2
036 - 038	22.5	48.0	21.2
042 - 049	25.5	53.0	21.2
060 - 064	25.5	61.0	21.2
070 - 072	25.5	68.0	21.2

Performance Data

PSC Motors

ARI/ASHRAE/ISO 13256-1
English (IP) Units

Model	Capacity Modulation	Flow Rate		Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump			
				Cooling EWT 86°F		Heating EWT 68°F		Cooling EWT 59°F		Heating EWT 50°F		Cooling Brine Full Load 77°F Part Load 68°F		Heating Brine Full Load 32°F Part Load 41°F	
		gpm	cfm	Capacity Btu/h	EER Btuh/W	Capacity Btu/h	COP	Capacity Btu/h	EER Btuh/W	Capacity Btu/h	COP	Capacity Btu/h	EER Btuh/W	Capacity Btu/h	COP
012	Single	3.5	400	12,300	15.7	14,800	5.1	14,500	25.5	12,300	4.5	13,000	18.0	9,600	3.7
015	Single	4.0	500	14,400	15.9	18,500	5.1	16,700	26.0	15,500	4.5	15,000	18.0	12,000	3.8
018	Single	5.0	600	18,000	15.6	23,000	5.1	21,000	25.5	19,000	4.4	18,500	18.0	14,700	3.8
024	Single	8.0	850	24,800	16.2	29,600	5.0	28,100	24.0	23,900	4.3	26,000	19.2	18,900	3.7
030	Single	8.0	900	27,600	18.2	30,600	5.4	30,800	27.1	24,400	4.7	29,200	21.1	19,800	3.8
036	Single	9.0	1200	34,100	17.6	34,200	5.6	36,300	25.7	28,200	4.7	34,600	19.6	24,100	4.0
042	Single	11.0	1300	40,100	16.6	42,800	5.1	44,600	24.5	34,900	4.3	41,600	18.6	27,500	3.7
048	Single	12.0	1500	46,400	15.5	53,100	4.9	51,600	22.5	43,400	4.2	48,900	17.3	35,000	3.6
060	Single	15.0	1800	61,300	15.4	69,000	5.0	68,700	23.2	55,100	4.4	65,500	18.2	43,200	3.7
070	Single	18.0	2000	67,000	14.5	81,800	4.6	75,900	21.6	66,100	4.0	70,600	17.0	52,000	3.4

Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature
Heating capacities based upon 68°F DB, 59°F WB entering air temperature
All ratings based upon 208V operation

3/16/12

Variable Speed ECM and 5-Speed ECM Motors

AHRI/ASHRAE/ISO 13256-1
English (IP) Units

Model	Capacity Modulation	Flow Rate		Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump			
				Cooling EWT 86°F		Heating EWT 68°F		Cooling EWT 59°F		Heating EWT 50°F		Cooling Brine Full Load 77°F Part Load 68°F		Heating Brine Full Load 32°F Part Load 41°F	
		gpm	cfm	Capacity Btu/h	EER Btuh/W	Capacity Btu/h	COP	Capacity Btu/h	EER Btuh/W	Capacity Btu/h	COP	Capacity Btu/h	EER Btuh/W	Capacity Btu/h	COP
012	Single	3.5	400	11,400	14.4	14,900	5.2	13,400	23.5	12,200	4.3	12,200	17.1	9,500	3.6
015	Single	4.0	500	14,400	16.5	18,500	5.3	16,700	27.0	15,500	4.7	15,000	18.8	12,000	4.0
018	Single	5.0	600	18,000	16.5	23,000	5.3	21,000	26.8	19,000	4.7	18,500	19.0	14,700	4.1
024	Single	8.0	800	24,800	17.0	29,600	5.3	28,100	27.5	23,900	4.6	26,000	19.6	18,900	3.8
030	Single	8.0	900	27,800	19.2	30,600	5.7	31,200	29.5	24,400	4.8	29,400	21.9	20,000	4.0
036	Single	9.0	1200	34,900	21.6	34,200	6.0	38,000	30.1	28,200	5.1	35,400	22.4	24,100	4.4
042	Single	11.0	1300	40,800	20.0	42,800	5.7	46,200	29.5	35,000	4.9	42,000	21.8	27,500	4.2
048	Single	12.0	1500	47,300	18.5	53,100	5.4	53,000	26.1	43,400	4.7	49,300	20.1	35,000	3.9
060	Single	15.0	1800	61,300	16.6	69,000	5.3	69,000	24.7	57,000	4.7	65,500	19.2	45,000	4.0
070	Single	18.0	2000	67,000	15.4	81,800	5.0	77,400	23.8	67,000	4.4	70,600	18.0	52,500	3.7
026	Full	8.0	950	26,000	17.3	30,300	5.5	29,000	24.0	25,100	5.0	27,700	20.4	19,500	4.3
	Part	7.0	750	20,000	19.5	22,300	6.4	22,600	32.7	18,300	5.3	22,000	27.9	16,300	4.8
038	Full	9.0	1300	39,000	18.0	40,300	5.4	39,400	24.1	33,600	4.8	40,200	21.0	26,700	4.1
	Part	8.0	1150	28,500	20.3	29,100	6.3	31,500	35.4	24,000	5.1	30,100	30.0	22,000	4.8
049	Full	12.0	1600	50,300	17.1	56,100	5.2	56,200	24.5	46,300	4.6	52,000	20.0	37,400	4.0
	Part	11.0	1400	37,200	19.2	39,800	5.8	41,500	33.0	32,300	4.7	40,600	28.5	30,000	4.6
064	Full	16.0	1800	62,000	16.3	70,600	5.2	70,100	23.9	58,000	4.7	65,100	18.7	47,100	4.0
	Part	14.0	1500	45,000	18.0	50,100	5.8	51,500	29.9	41,300	5.0	50,000	25.9	37,000	4.4
072	Full	18.0	2000	69,000	15.0	81,900	4.8	78,500	22.0	67,500	4.3	71,600	17.0	54,200	3.7
	Part	16.0	1500	52,800	16.0	61,400	5.2	61,000	27.0	49,400	4.4	59,000	23.4	45,000	4.1

Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature
Heating capacities based upon 68°F DB, 59°F WB entering air temperature
All ratings based upon 208V operation

3/16/12

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INSTALL CONFIDENCE

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