Johnson Controls

YORK®

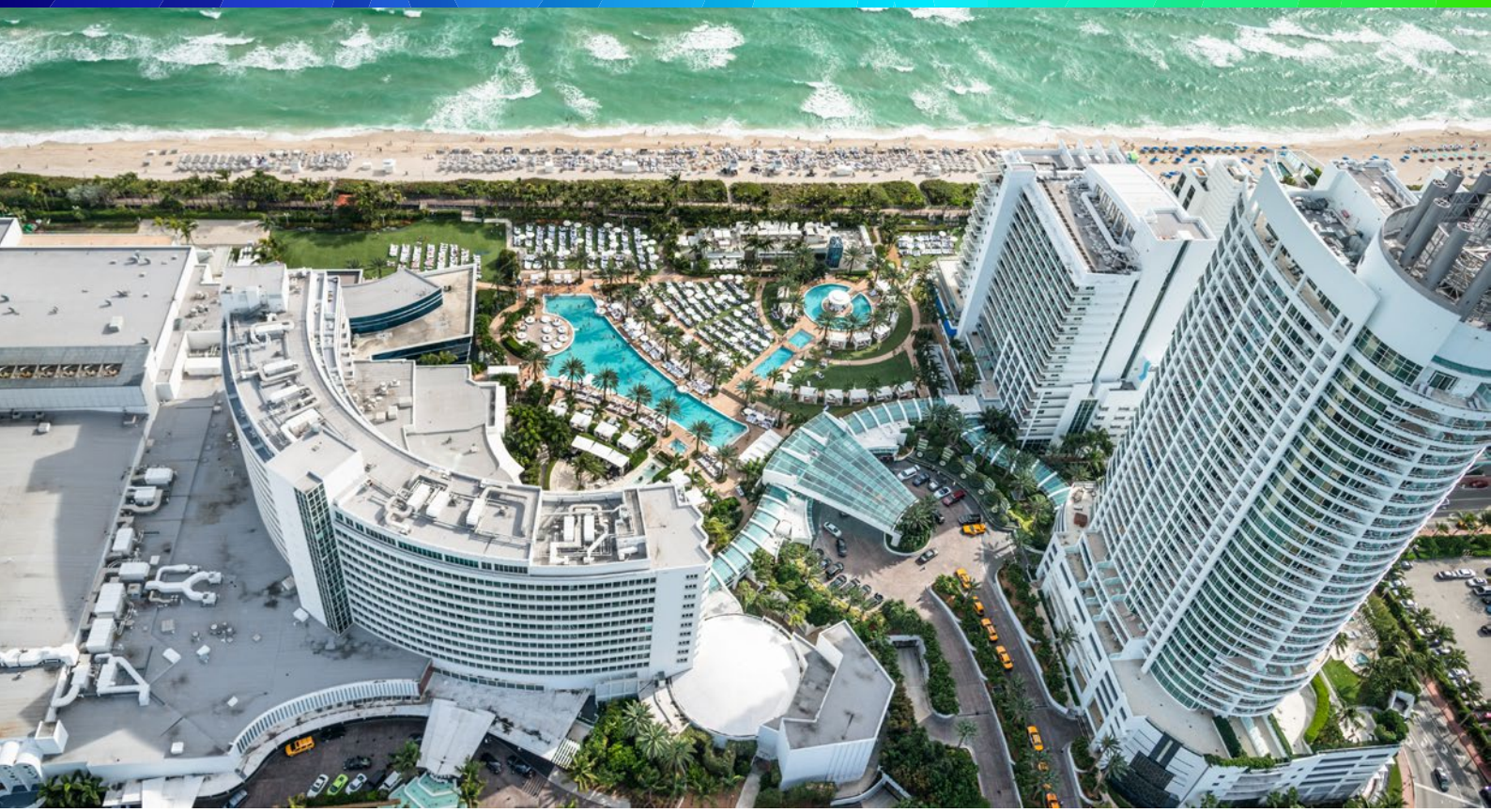
Fan Coil Units

YGFC and YDFC
Medium and High Static Pressure Blowers

Invisible Comfort, Visible Impact
Ducted Fan Coil Units for Seamless Climate Control

johnsoncontrols.com

The power behind **your mission**



Designed to Disappear.
Built to Perform.

For over a decade, **YORK® Fan Coil Units** have been delivering **precision-engineered climate control** that blends seamlessly into any interior. Built to vanish into your space while delivering consistent, quiet, and efficient comfort, these units are the **essential foundation of modern HVAC design.**

Space-Saving Comfort

Optimized Efficiency in its Class

Effortless to Install

High Static Pressure for Flexible Comfort

Quiet Comfort

Wide Airflow Range Tailored Comfort

Easy to Maintain

YGFC with AC motors
Medium Static Pressure up to 60 Pa

Cooling Capacity 1.3 - 12.3 kW
2 and 4 Pipe Systems
4 or 3+1 Row Coils
Extended Drain Pan
Standardized Solution

Quiet Comfort.
Low Noise Feature.

Equipped with 3-speed adjustable fan motor, the unit delivers a sound power level ranging from **42.5 - 56.3 dB(A)**. The performance is well-suited for **commercial environments**, offering a balanced acoustic profile that supports a calm and focused atmosphere – ideal for workspaces, meeting rooms, hotels or areas designed for relaxation.

Optimized Efficiency in Its Class.
Reliable Energy Saving.

YGFC YORK® fan coil units are rated **EER Class C** under the Eurovent Certified Performance. It delivers a balanced combination of performance and energy savings, making it a smart choice for environments where reliability and cost-effectiveness matter.

Space Saving Comfort.
Slimline Design for Space-Saving Installation.

With a height as low as **233 mm for all sizes**, YORK® fan coil units are easy to integrate into tight ceiling voids and compact architectural layouts. Their slim profile ensures a discreet presence while maintaining full functionality.

Wide Airflow Range for Tailored Comfort.
Wide Range of Capacities.

The **YGFC series** is available in **10 sizes**, delivering airflow from **165 to 1630 m³/h**. This makes it easy to select the right unit for any room size or application.

Effortless to Install.
Pre-Configured for Quick Setup.

Threaded brass connectors are pre-installed for easy piping, while integrated **drain and purge valves** simplify system flushing across all units. The choice of **2-way, 3-way or modulated** valves available as an option, are factory-mounted to make the installation easier.

Easy to Maintain.
Accessible Components for Fast Servicing.

Filters slide out easily, and components like the **motor, blower assembly, and coils** are designed for quick access—making routine maintenance straightforward and hassle-free.

YORK YGFC
Medium Static Pressure up to 60 Pa

Cooling Capacity 1.3 to 12.3 kW

Technical Features - 2 pipe system 4 rows

YGFC X ST CB X			02-4	03-4	04-4	05-4	06-4	07-4	08-4	10-4	12-4	14-4
Total cooling capacity [kW]		max	1.7	2.6	3.0	4.2	5.3	5.6	7.1	7.9	10.0	12.3
		med	1.7	2.4	2.8	3.8	4.9	5.1	6.5	7.4	9.0	11.6
		min	1.3	2.0	2.5	3.1	4.0	4.4	5.6	6.4	7.7	10.0
Sensible cooling capacity [kW]		max	1.2	1.7	2.0	2.8	3.5	3.8	4.8	5.4	6.8	8.3
		med	1.1	1.6	1.9	2.6	3.3	3.5	4.4	5.1	6.1	7.8
		min	0.8	1.3	1.6	2.1	2.7	3.0	3.8	4.4	5.1	6.7
Pressure drop in cooling [kPa]		max	19.7	26.0	31.5	40.2	28.7	31.5	33.1	29.5	42.5	61.5
		med	20.1	23.3	27.7	37.4	25.8	27.4	29.3	26.2	37.1	55.2
		min	12.6	17.9	21.1	36.2	19.7	22.8	24.7	20	28.4	49.3
Air flow [m³/h]		max	232	352	410	595	792	809	1036	1202	1492	1631
		med	219	316	376	546	713	745	957	1122	1310	1537
		min	165	259	328	472	558	626	811	941	1086	1299
Available Static Pressure [Pa]		max	60	60	58	58	60	60	55	58	58	56
		med	50	50	50	50	50	50	50	50	50	50
		min	35	35	35	35	35	34	35	32	32	30
Fan / Power input [W]		max	40	51	66	82	102	107	145	152	200	261
		med	36	46	62	77	96	97	130	146	186	235
		min	31	40	55	73	86	94	122	142	173	207
Sound power level, at inlet and radiated [dB(A)]		max	57	58	58	59	61	59	60	61	62	63
		med	55	56	56	58	59	57	59	59	60	61
		min	49	50	52	56	54	54	54	57	54	57
Sound power level at the outlet duct [dB(A)]		max	51	53	55	55	56	57	58	58	60	61
		med	49	51	53	54	54	55	56	56	58	59
		min	44	46	49	53	49	50	52	51	52	54
FCEER Class			C	C	C	C	C	C	C	C	C	C
Power supply [V-ph-Hz]			220V/1/50Hz									
Absorbed current [A]		max	0.18	0.23	0.30	0.37	0.46	0.49	0.66	0.69	0.91	1.19
Dimensions	Height	mm	233	233	233	233	233	233	233	233	233	233
	Width	mm	541	541	541	541	541	541	541	541	541	541
	Depth	mm	730	880	980	1030	1130	1300	1500	1550	1800	2050

Technical Features - 4 pipe system 3+1 rows

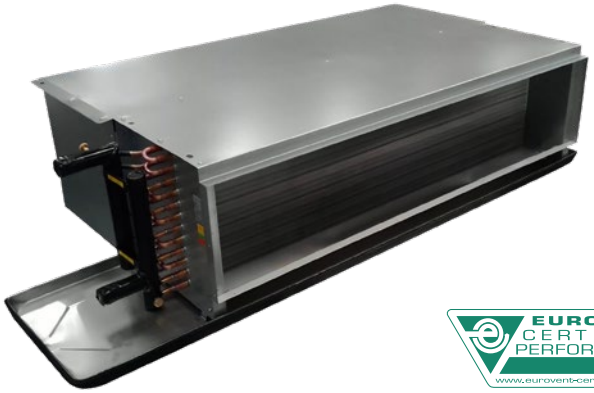
YGFC X ST CB X			02-A	03-A	04-A	05-A	06-A	07-A	08-A	10-A	12-A	14-A
Total cooling capacity [kW]		max	1.5	2.2	2.5	3.6	4.6	4.7	5.9	6.3	8.0	8.9
		med	1.4	2.0	2.4	3.3	4.2	4.3	5.6	6.1	7.2	8.8
		min	1.1	1.7	2.1	2.9	3.7	3.8	5.0	5.3	6.1	7.6
Sensible cooling capacity [kW]		max	1.0	1.6	1.8	2.5	3.2	3.4	4.3	4.7	5.9	7.0
		med	1.0	1.4	1.7	2.4	3.0	3.2	4.0	4.5	5.3	6.6
		min	0.8	1.2	1.5	2.1	2.6	2.8	3.6	3.9	4.4	5.5
Pressure drop in cooling [kPa]		max	17.8	21.1	22.0	24.2	31.4	20.6	29.4	26.7	31.2	32.1
		med	15.3	17.3	20.3	23.3	28.1	18.2	26.9	25.5	27.2	29.0
		min	12.6	14.0	17.8	20.2	24.4	15.8	22.3	20.9	19.7	22.1
Heating capacity [kW]		max	2.2	2.9	3.6	4.7	5.5	6.1	7.0	8.5	10.2	10.7
		med	2.0	2.8	3.4	4.4	5.1	5.8	6.6	8.1	9.5	11.7
		min	1.6	2.4	2.8	3.8	4.1	5.2	5.8	6.8	8.3	10.2
Pressure drop in heating [kPa]		max	30.2	13.1	18.2	29.9	40.7	21.6	31.3	37.2	30.7	45.5
		med	31.6	11.9	15.9	24.7	36.2	19.4	28.5	35.2	27.6	41.8
		min	18.9	9.2	11.3	18.7	26.0	16.0	22.4	26.4	21.4	32.5
Air flow [m³/h]		max	232	352	410	595	792	809	1036	1202	1492	1631
		med	219	316	376	546	713	745	957	1122	1310	1537
		min	165	259	328	472	558	626	811	941	1086	1299
Available Static Pressure [Pa]		max	60	60	58	58	60	60	55	58	61	58
		med	50	50	50	50	50	50	50	50	50	50
		min	35	35	35	35	35	34	35	32	32	36
Fan / Power input [W]		max	31	40	55	73	86	94	122	142	173	202
		med	36	46	62	77	96	97	130	146	186	235
		min	40	51	66	82	102	107	145	152	200	260
Sound power level, at inlet and radiated [dB(A)]		max	57	58	58	59	61	59	60	61	62	63
		med	55	56	56	58	59	57	59	59	60	61
		min	49	50	52	53	54	54	54	55	54	57
Sound power level at the outlet duct [dB(A)]		max	51	53	55	55	56	57	58	58	60	61
		med	49	51	53	54	54	55	56	56	58	59
		min	44	46	49	49	52	50	52	51	52	54
EER Class			D	C	D	C	C	C	C	D	D	D
COP Class		max	C	B	C	C	C	C	C	C	C	C
Power supply [V-ph-Hz]			220V/1/50Hz									
Absorbed current [A]		max	0.18	0.23	0.30	0.37	0.46	0.49	0.66	0.69	0.91	1.18
Dimensions	Height	mm	233	233	233	233	233	233	233	233	233	233
	Width	mm	541	541	541	541	541	541	541	541	541	541
	Depth	mm	730	880	980	1030	1130	1300	1500	1550	1800	2050

(1) Room temperature 27°C d.b., 19°C w.b. - Water temperature 7/12 °C.
(2) Room temperature 20°C - Water temperature 45/40 °C.
(3) Room temperature 20°C - Water temperature 65/55 °C.
(4) The sound pressure levels are 9 dB(A) lower than the sound power levels and apply to the reverberant field of a 100 m³ room and a reverberation time of 0.5 sec.

Manufacturer reserves the rights to change specifications without prior notice.

YDFC with AC motors
High Static Pressure up to 150 Pa

Cooling Capacity 5.7 - 20.9 kW
2 Pipe Systems
4 Row Coils
Extended Drain Pan
Standardized Solution



Quiet Comfort.
Low Noise Feature.

Featuring a 3-speed adjustable fan motor, the unit operates within a sound power level range **41.7 - 58.2 dB(A)**. The performance makes it highly suitable for commercial settings, providing a controlled acoustic environment that supports focus and comfort – perfect for offices, meeting rooms, hotels, gyms or quiet zones where minimizing distraction is essential.

High Static Pressure for Flexible Comfort.
ESP up to 150 Pa.

Powerful airflow with **high external static pressure 150 Pa** allowing the fan to efficiently push air through longer duct runs, complex layouts or restricted grills without compromising on performance.

Wide Airflow Range for Tailored Comfort.
Wide Range of Capacities.

The **YDFC series** is available in **7 sizes**, delivering airflow from **820 to 3600 m³/h**. This broad range ensures easy selection of the ideal unit – whether for compact rooms or large-scale applications – providing tailored comfort across a variety of environments.

Space Saving Comfort.
Slimline Design for Space-Saving Installation.

With a height is in the range **295 - 396 mm for all sizes**, YORK® fan coil units are easy to integrate into tight ceiling voids and compact architectural layouts. Their slim profile ensures a discreet presence while maintaining full functionality.

Effortless to Install.
Pre-Configured for Quick Setup.

Threaded brass connectors are pre-installed for easy piping, while integrated **drain and purge valves** simplify system flushing across all units. The choice of **2-way, 3-way or modulated** valves available as an option, are factory-mounted to make the installation easier.

Easy to Maintain.
Accessible Components for Fast Servicing.

Filters slide out easily, and components like the **motor, blower assembly, and coils** are designed for quick access—making routine maintenance straightforward and hassle-free.

YORK YDFC
High Static Pressure up to 150 Pa

Cooling Capacity 5.7 to 20.9 kW

Technical Features – 2 pipe system 4 rows

YDFC X ST CB X			08-4	10-4	12-4	14-4	16-4	18-4	20-4
Total cooling capacity [kW]		max	8.1	10.5	12.8	15.2	17.5	19.5	20.9
		med	8.0	10.2	12.3	14.8	17.2	18.9	20.3
		min	5.7	7.5	8.7	9.5	12.7	13.4	14.0
Sensible cooling capacity [kW]		max	5.9	7.6	9.2	11.1	12.8	14.2	15.6
		med	5.8	7.3	9.0	10.7	12.6	13.7	15.2
		min	3.9	5.3	6.1	6.7	8.8	9.2	9.9
Pressure drop in cooling [kPa]		max	23.0	50.0	42.8	51.2	32.3	45.0	26.0
		med	22.0	49.0	40.4	51.0	31.8	43.0	25.0
		min	12.0	28.6	21.4	21.7	17.4	22.5	12.6
Air flow [m³/h]		max	1345	1839	2186	2644	3052	3268	3600
		med	1320	1743	2110	2539	2965	3120	3480
		min	821	1086	1237	1329	1800	1873	2109
Available Static Pressure [Pa]		max	54	52	54	54	53	54	53
		med	50	50	50	50	50	50	50
		min	21	20	18	14	21	17	16
Fan / Power input [W]		max	232	327	424	605	672	749	873
		med	222	300	396	542	635	691	827
		min	124	190	175	215	296	306	363
Sound power level, at inlet and radiated [dB(A)]		max	69	70	70	73	71	71	74
		med	68	69	69	72	70	70	73
		min	58	59	58	57	60	59	60
Sound power level at the outlet duct [dB(A)]		max	67	69	69	72	70	71	73
		med	66	68	68	71	70	70	72
		min	56	57	56	55	59	57	59
FCEER Class			C	D	D	D	D	D	D
Power supply [V-ph-Hz]			220V/1/50Hz						
Absorbed current [A]		max	1.05	1.49	1.93	2.75	3.05	3.40	3.97
Dimensions	Height	mm	289	289	340	340	390	390	390
	Width	mm	775	775	775	775	815	815	815
	Depth	mm	1210	1340	1340	1480	1480	1610	1740

(1) Room temperature 27°C d.b., 19°C w.b. - Water temperature 7/12 °C.
(2) Room temperature 20°C - Water temperature 45/40 °C.
(3) Room temperature 20°C - Water temperature 65/55 °C.
(4) The sound pressure levels are 9 dB(A) lower than the sound power levels and apply to the reverberant field of a 100 m³ room and a reverberation time of 0.5 sec.

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Control Solutions

T7600 MODBUS®
Fan coil Thermostat

The T7600 MODBUS® LCD thermostat is designed to control heating and cooling through fan coil units in commercial and residential applications. The T7600 can control 2-way or 3-way valves and multiple line-voltage fans or ECM motor.

- Large screen backlighted with timeout
- Flush mount for a stylish appearance
- 2 or 4 pipes ON/OFF or proportional
- Multispeed fan proportional fan speed ECM
- Customizable display can show actual temperature or setpoint
- Protected against misuse in public spaces
- Configurable input
- Function, ON/OFF Timer, ESP filter control

Multiple valve kits choice

Factory-mounted 2-way, 3-way or modulated valve kits primarily designed to regulate the water flow in response to the demand of a controller in zone. The kit includes actuator. Available optionally and it is factory-mounted.

T9000
Stand-alone, MODBUS®, BACnet®
Fan coil Thermostats

With a frameless large touch screen, the very modern appealing T9000 Series Thermostats can display ambient temperature clearly and intuitively. The buttons are sensitive and very user-friendly.

Modern technology design sense

Touch, Frameless, Larger Screen Red Dot Design Award, quality for good design.

Energy Saving and Efficient

The T9000 Series Touch Screen Thermostats can be used to control ECM motors far better than industry standards, as they can reduce the motor's energy consumption by 30-50%.

Diverse Application Scenarios

Each of the T9000 Series Touch Screen Thermostats supports multiple application scenarios. They can control multiple types of equipment, including the 2-pipe fan coil unit (FCU) / 4-pipe FCU; the water source heat pumps; the simple air handling units (AHUs), boilers and floor heating systems; the 3-speed motors and ECM motors; the 2-wiring / 3-wiring on/off valves, modulating control valves and floor heating valves; as well as other air purification units (e.g. TiO2 / ESP).

High quality

High quality spec component selection, Relays 100k on/off times life cycle. No need to open thermostat, 3-step installation. Multi-certification CE, BTL, high quality component and material.

Smart, Optimized Control

Adopting 32-bit high-performance MCU to ensure more accurate control and more powerful functions. BACnet® and Modbus® protocols that can be seamlessly connected to the building automation system, to achieve the best room climate control.

Control Solutions

TUC03 Plus for BACnet integration

The TUC03 Plus is specifically designed to provide an improved BACnet integration. It allows the direct digital control of terminal unit applications with heating and/or cooling coils, and electrical heater and a three-speed or variable speed fan.

Field selectable application type and room module series, via DIP-switches on controller

Ease of configuration, installation and commissioning - no special tool required.

230 VAC power supply

5 VDC / 15 VDC / 24 VAC power supply for field devices, directly provided by the controller

Low installed cost for a wide range of terminal units applications.

Modular range of Room Sensor Modules

Suitable for a wide range of installations with wall-mount, flush-mount, touch-screen and hand-held remote control options.

Network Communications - BACnet MS/TP

Provide cost-effective means to connect the controller to a supervisory system.

Improved performance

TUC03 Plus BACnet Change-of-Value and Segmentation features improve the overall system communication performance allowing a reduction in the number of components required to manage the whole network and therefore providing a saving on the total installed costs.

Enhanced user experience

TUC03 Plus BACnet State Text features enable a quicker, simpler and enhanced user experience lowering engineers' effort managing integrations and therefore reducing the engineering costs.

About Johnson Controls:

At Johnson Controls (NYSE:JCI), we transform the environments where people live, work, learn and play. As the global leader in smart, healthy and sustainable buildings, our mission is to reimagine the performance of buildings to serve people, places and the planet.

Building on a proud history of 140 years of innovation, we deliver the blueprint of the future for industries such as healthcare, schools, data centers, airports, stadiums, manufacturing and beyond through OpenBlue, our comprehensive digital offering.

Today, Johnson Controls offers the world's largest portfolio of building technology and software as well as service solutions from some of the most trusted names in the industry.

About YORK:

As part of Johnson Controls, YORK is a global leader in designing and manufacturing innovative HVAC solutions. Known for its reliability and energy efficiency, YORK provides state-of-the-art chillers, heat pumps, air handling units, fan coils, and HVAC systems tailored to meet the needs of various industries, including commercial buildings, data centers, healthcare, and industrial applications.

With a proud history dating back to its founding in 1874, YORK brings 150 years of expertise to delivering cutting-edge HVAC solutions. With a focus on sustainability, YORK products are engineered to optimize performance while minimizing environmental impact, aligning with Johnson Controls' mission to create smart, healthy, and sustainable buildings.

Visit **www.johnsoncontrols.com** for more information or follow us **@johnsoncontrols** on social platforms.

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The power behind **your mission**