

YORK RESIDENTIAL AND LIGHT COMMERCIAL PRODUCTS

Hydronic Systems 2011



Our vision

"A more comfortable, safe
and sustainable world"



Hydronic Systems

THE PURITY OF WATER

Johnson Controls is offering HVAC solutions under the York brand. Our focus is to offer a wide range of residential and light commercial chillers and indoor water terminals able to create more comfortable environments in any type of installation.

By offering one of the most complete ranges in the market place we will continue working to achieve our target, create a better world.

**ECOFRIO v2 Air Cooled Chiller
ECOFRIO v2 Plus Heat Pump**
From 12 kW up to 25.8 kW - R410A



**ECOFRIO v2
Air Cooled Chiller / Heat Pump**
From 39.6 kW up to 151 kW - R410A



**HVS (Hydro Variable System)
Air Cooled Chiller
Compact and Split Version**
From 15 kW up to 72 kW - R407C



**YLCC
Air Cooled Chiller / Heat Pump
indoor installations**
From 25 kW up to 150 kW - R410A



Indoor water terminals

YHK Cassette 2 & 4 pipe system

A complete range from 1.3 kW up to 11.1 kW

YHK-ECM Inverter Cassette 2 & 4 pipe system

A complete range from 1.8 kW up to 10.8 kW



Wired controls

Infrared remote control



Coloured versions available as a option

YHK Models (2 pipes)		20-2	25-2	40-2	50-2	65-2	95-2	110-2
Cooling capacity	kW	2.0	2.7	4.3	5.0	6.2	9.5	11.1
Heating capacity	kW	2.6	3.4	5.2	6.2	7.8	10.7	14.0
Panel dimensions (W x D)	mm	670 x 670				965 x 965		

YHK Models (4 pipes)		20-4	25-4	40-4	50-4	65-4	95-4	110-4
Cooling capacity	kW	2.3	2.7	3.3	3.8	6.3	7.7	8.9
Heating capacity	kW	3.0	3.5	4.4	5.0	9.1	11.0	12.7
Panel dimensions (W x D)	mm	670 x 670				965 x 965		

YHK-ECM Models (2 pipes)		25-2	40-2	50-2	65-2	95-2
Cooling capacity	kW	2.8	4.3	5.0	6.3	10.8
Heating capacity	kW	3.4	5.2	6.2	8.0	12.7
Panel dimensions (W x D)	mm	670 x 670			965 x 965	

YHK-ECM Models (4 pipes)		25-4	40-4	50-4	65-4	95-4
Cooling capacity	kW	2.8	3.9	4.5	6.5	9.9
Heating capacity	kW	3.6	3.4	3.8	9.4	9.5
Panel dimensions (W x D)	mm	670 x 670			965 x 965	

Cooling capacities based on 7/12°C EWT - Indoor temperature 27°C DB / 19°C WB

Heating capacities based on 50°C EWT (2 pipes) or 70/60°C EWT (4 pipes) at nominal flow rate Indoor temperature 20°C

All data are in high speed.

Indoor water terminals

YFCC Coanda Hydro Cassette

A range from 0.9 to 4.0 kW



Wired controls

Infrared remote control



YFCC Models (2 pipes)		130	140	230	240	330	340
Cooling capacity	kW	1.5	1.7	2.4	2.6	3.3	4.0
Heating capacity	kW	1.9	2.1	2.9	3.1	4.0	4.8
Panel dimensions (W x D)	mm	592 x 592		592 x 970		592 x 1192	

YFCC Models (4 pipes)		130+1	230+1	330+1
Cooling capacity	kW	1.5	2.4	3.3
Heating capacity	kW	1.5	2.4	3.3
Panel dimensions (W x D)	mm	592 x 592	592 x 970	592 x 1192

Cooling capacities based on 7°C EWT Δt 5°C Indoor temperature 27°C DB / 19°C WB

Heating capacities based on 50°C EWT (2 pipes) or 70/60°C EWT (4 pipes) at nominal flow rate Indoor temperature 20°C

All data are in high speed.

Indoor water terminals

YFCN Fan Coil Unit centrifugal fan 2 & 4 pipe system

A complete range from 1.0 kW up to 7.6 kW



Wired controls

Infrared remote control

YFCN Models (2 pipes)		130	230	330	430	530	630	730	830	930	140	240	340	440	540	640	740	840	940
Cooling capacity	kW	1.0	1.6	2.4	2.9	3.2	4.1	5.1	5.8	6.7	1.2	1.8	2.6	3.1	3.5	4.8	5.6	6.5	7.6
Heating capacity	kW	1.4	2.0	2.9	3.6	3.9	5.1	6.3	7.7	9.1	1.6	2.2	3.1	3.8	4.2	5.9	6.7	8.4	10.1
Dimensions	(H x D)	530 x 225																	
	(W)	670	770	985		1 200		1 415		670	770	985		1 200		1 415			

YFCN Models (4 pipes)		130-1	230-1	330-1	430-1	530-1	630-1	730-1	830-1	930-1
Cooling capacity	kW	1.0	1.6	2.4	2.9	3.2	4.1	5.1	5.8	6.7
Heating capacity	kW	1.0	1.5	2.3	2.7	3.0	3.8	4.8	5.4	6.2
Dimensions	(H x D)	530 x 225								
	(W)	670	770	985		1 200		1 415		

Cooling capacities based on 7/12°C EWT - Indoor temperature 27°C DB / 19°C WB

Heating capacities based on 50°C EWT (2 pipes) or 70/60°C EWT (4 pipes) at nominal flow rate Indoor temperature 20°C

All data are in high speed.

Indoor water terminals

YHM Hydro High Wall

A range from 1.7 to 4.7 kW



Wired control

Infrared remote control



YFM Models		20	30	40	50
Cooling capacity	kW	2.2	2.8	4.0	4.7
Heating capacity	kW	2.7	3.6	4.9	5.8
Dimensions H x W x D	mm	270 x 845 x 180		298 x 920 x 200	

YFM Models (valve fitted)		20 V	30 V
Cooling capacity	kW	1.7	3.2
Heating capacity	kW	2.4	4.5
Dimensions H x W x D	mm	270 x 845 x 180	298 x 920 x 200

Cooling capacities based on 7°C EWT Δt 5°C Indoor temperature 27°C DB / 19°C WB

Heating capacities based on 50°C EWT at nominal flow rate Indoor temperature 20°C

All data are in high speed.

Indoor water terminals

LASER Fan Coil Unit 2 & 4 pipe system

A complete range from 1 kW up to 9.9 kW

LOW BODY Fan Coil Unit 2 & 4 pipe system

A complete range from 0.9 kW up to 3.3 kW



Wired controls



LASER Models		YLV, YLV-AF, YLH, YLH-AF, YLIV, YLIV-AF, YLIH, YLIH-AF										
Sizes		110	112	114	216	218	220	222	224	226	228	
Cooling capacity		kW	1.16	1.74	2.29	3.46	3.80	4.66	5.57	6.78	7.59	9.97
Heating capacity		kW	1.62	2.29	2.98	4.51	5.07	6.01	7.30	8.67	9.80	12.73
Dimensions	Height	mm	538					614				
	Width	mm	648	773	898	1023	1148	1273	1273	1523	1523	1773
	Depth	mm	224					254				

Cooling capacities based on 7°C EWT Δt 5°C indoor temperature 27°C DB / 19°C WB (2 pipes - high speed fan) (2 rows)
Heating capacities based on 50°C EWT at nominal flow rate indoor temperature 20°C (2 pipes - high speed fan) (2 rows)

LOW BODY Models		YLV - YLIV				
Sizes		110	112	114	216	218
Cooling capacity 2 rows		kW	0.94	1.46	2.11	3.37
Heating capacity 1 rows		kW	1.15	1.83	2.43	3.65
Dimensions	Height	mm	430			
	Width	mm	648	773	898	1 023
	Depth	mm	254			

Cooling capacities based on 7°C EWT Δt 5°C indoor temperature 27°C DB / 19°C WB (2 pipes - high speed fan)
Heating capacities based on 70°C EWT Δt 10°C indoor temperature 20°C (2 pipes - high speed fan)

Indoor water terminals

YEFB Blower 2 & 4 pipe system

A complete range from 3.2 kW up to 23.3 kW



Wired controls



YEFB Models		130	140	230	240	330	340	430	440
Cooling capacity (1)		kW	6.00	6.91	8.81	10.60	11.15	14.06	23.31
Heating capacity (2)		kW	7.89	8.90	12.34	14.62	15.20	18.84	30.36
Dimensions	Height	mm	330	330	330	330	350	350	440
	Width	mm	990	990	990	990	1 240	1 630	1 630
	Depth	mm	800	800	800	800	900	900	900

(1) Room temperature 27°C d.b., 48% R.H. - Water temperature 7/12 °C
(2) Room temperature 20°C, 50% R.H. - Water inlet temperature: 50°C
All data are in high speed.

