YORK

STOCK PROGRAM
YLAA Air-Cooled Scroll Chillers

Last Update: October 2021

The power behind **your mission**

Johnson Controls

YLAA Stock Program
Air-cooled scroll compressor chiller

Cooling capacities from 294 kW to 531 kW

For other models and capacities consult the General Catalogue

Options available on stock models (depending on model)

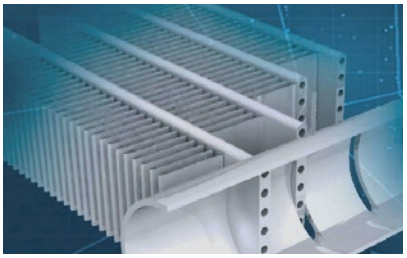
- R454B and R410A models
- Variable EC and VSD fans
- Service Connected Ready
- Electronic expansion valve
- Low ambient temperature kit
- Dual pressure relief valves
- V-Guard panel
- Environmental guard coating
- Compressor sound blankets
- Vibration isolators
- Victualic coupling
- Flow Switch

The "I need it now" chiller

Perfect selection of **YORK YLAA TEMPO** chillers in stock for immediate shipment.

Utilising scroll type compressors and microchannel condenser coil technology the **YLAA** delivers premium efficiency for all air conditioning applications.

YLAA chillers are a self-contained cooling solution that is light-weight and compact for convenient installation on the ground or on building rooftops.



The TEMPO delivers energy efficiency levels that surpasses Ecodesign Tier 2 requirements. Aluminium microchannel condenser coil technology is one reason for this premium efficiencies.

Ultra quiet operation and outstanding part load efficiency can be obtained through variable speed EC fans and a compressor accoustic blankets.

YORK® YLAA AIR-COOLED STOCK CHILLERS

Model	YLAA0301	YLAA0301	YLAA0392	YLAA0392	YLAA0517	YLAA0517	YLAA0517
Cooling capacity (kW)	294	298	373	378	518	526	531
SEER	4.84	4.83	4.74	4.74	5.15	5.14	5.24
ηs,c (according to EN14825-2018)	190.53	190.31	186.78	186.58	203.09	202.79	206.66
Sound Power (dBA)	92	92	93	93	94	94	87
Number of Fans	5	5	6	6	8	8	8
Type of Fans	VSD	VSD	VSD	VSD	VSD	VSD	EC
Total Air Flow (m³/s)	35	35	42	42	57	57	51
Refrigerant Type	R454B	R410A	R454B	R410A	R454B	R410A	R454B

Check with your YORK Distributor, Johnson Controls Branch or Sales Agent for stock availability.
If you do not see the chiller you need in stock, made-to-order chillers are available.
Reservation and Purchase of chillers under this stock program is governed by the principle rule of **first-come, first-served basis.**
Please contact your JCI representative for further information.

Data Sheet - Design Conditions

YLAA0301 - R454B - VSD fan

Unit Type and Size

ID		YLAA0301
Number of Compressors		5
Compressor Type		Scroll - Hermetic
Number of Compressor Circuits		2
Capacity Control		13 / 43 / 58 / 86 / 100

Technical Data

Refrigerant Type		R454B
Net Cooling Capacity (according to EN14511-2018)	kW	294
Net Total Power Input (according to EN14511-2018)	kW	97.3
Net EER (according to EN14511-2018)	kW/kW	3.02
Gross Cooling Capacity	kW	294
Gross Total Power Input	kW	96.5
Gross EER	kW/kW	3.05
ηs,c (according to EN14825-2018)	%	190.53
SEER	kW/kW	4.84
Sound Power	dBA	92

Evaporator

Evaporator Type		Plate Heat Exchanger
Fluid Volume	L	33
Fluid Type		Water
Entering Liquid Temperature	°C	12
Leaving Liquid Temperature	°C	7
EvaporatingTemperature	°C	4.5 / 3.7
Total Flow Rate	L/s	13.992
Evap Pressure Drop	kPa	25.7
Strainer Pressure Drop	kPa	14.6
Extension Kit Pressure Drop	kPa	8.2
Total Pressure Drop	kPa	48.5
Fouling Factor	m^2K/kW	0.018
Fluid Connection Diameter	in	3"
Min Fluid Flow Rate	L/s	6.3
Max Fluid Flow Rate	L/s	25.2

Condenser (Air Cooled)

Ambient Air Dry Bulb Temperature	°C	35
Ambient Air Wet Bulb Temperature	°C	24
Condensing Temperature	°C	48.7 / 50.7
Number of Fans		5
Altitude	m	0
Total Air Flow	m^3/s	35
Total Fan Power	kW	8.4

Electrical Data

Nominal Voltage / Voltage Limits		400-3-50 / 360-440
Nominal Current	A	181
Max. Current	A	218
Unit Short Circuit Current Withstand	[kA]	50
Compressor Starting Current(s)	A	172 / 172 / 172 / 326 / 326
Maximum Instantaneous Current	A	460

Physical Data

Shipping Weight	kg	2214
Operating Weight	kg	2247
Refrigerant Charge	kg	32.2
Frame Length	mm	3690
Frame Width	mm	2242
Frame Height	mm	2393
Global Warming Potential R454B	GWP CO2 = 1	466

Software Version: YW21.02a
Supply cable(s): 3 phases + Earth (No Neutral)
Performance Data in accordance with Eurovent Standard
Sound Data in accordance with ISO 9614
Min flow rate is for chillers using water. For glycol chillers please contact the application engineering team.
Outside the scope of AHRI Air-Cooled Water-Chilling Packages Using Vapor Compression Cycle Certification Program, but is rated in accordance with AHRI Standard 550/590 (I-P) and AHRI Standard 551/591 (SI).
Compliant with the requirements of the LEED Energy and Atmosphere Enhanced Refrigerant Management Credit (EAc4).
JCI declares 0 degree temperature pitch due to using engineering simulation models of actual performance and our software allows ratings at .1 degree increments.
JCI participates in the ECP program: Liquid Chilling Packages and Heat Pumps (LCP-HP). Check ongoing validity of certificate: www.eurovent-certification.com

Data Sheet - Design Conditions

YLAA0301 - R410A - VSD fan

Unit Type and Size

ID		YLAA0301
Number of Compressors		5
Compressor Type		Scroll - Hermetic
Number of Compressor Circuits		2
Capacity Control		13 / 43 / 58 / 86 / 100

Technical Data

Refrigerant Type		R410A
Net Cooling Capacity (according to EN14511-2018)	kW	298
Net Total Power Input (according to EN14511-2018)	kW	101
Net EER (according to EN14511-2018)	kW/kW	2.95
Gross Cooling Capacity	kW	299
Gross Total Power Input	kW	100.2
Gross EER	kW/kW	2.98
ηs,c (according to EN14825-2018)	%	190.31
SEER	kW/kW	4.83
Sound Power	dBA	92

Evaporator

Evaporator Type		Plate Heat Exchanger
Fluid Volume	L	33
Fluid Type		Water
Entering Liquid Temperature	°C	12
Leaving Liquid Temperature	°C	7
Total Flow Rate	L/s	14.205
Total Pressure Drop	kPa	26.5
Fouling Factor	m²K/kW	0.018
Fluid Connection Diameter	in	3"
Min Fluid Flow Rate	L/s	6.3
Max Fluid Flow Rate	L/s	25.2

Condenser (Air Cooled)

Ambient Air Dry Bulb Temperature	°C	35
Ambient Air Wet Bulb Temperature	°C	24
Number of Fans		5
Altitude	m	0
Total Air Flow	m³/s	35
Total Fan Power	kW	8.4

Electrical Data

Nominal Voltage / Voltage Limits		400-3-50 / 360-440
Nominal Current	A	181
Max. Current	A	218
Unit Short Circuit Current Withstand	[kA]	50
Maximum Instantaneous Current	A	460

Physical Data

Shipping Weight	kg	2214
Operating Weight	kg	2247
Refrigerant Charge	kg	52.6
Frame Length	mm	3614
Frame Width	mm	2242
Frame Height	mm	2393
Global Warming Potential R410A	GWP CO2 = 1	2088

Software Version: YW21.02a
Supply cable(s): 3 phases + Earth (No Neutral)
Performance Data in accordance with Eurovent Standard
Sound Data in accordance with ISO 9614
Min flow rate is for chillers using water. For glycol chillers please contact the application engineering team.
Outside the scope of AHRI Air-Cooled Water-Chilling Packages Using Vapor Compression Cycle Certification Program, but is rated in accordance with AHRI Standard 550/590 (I-P) and AHRI Standard 551/591 (SI).
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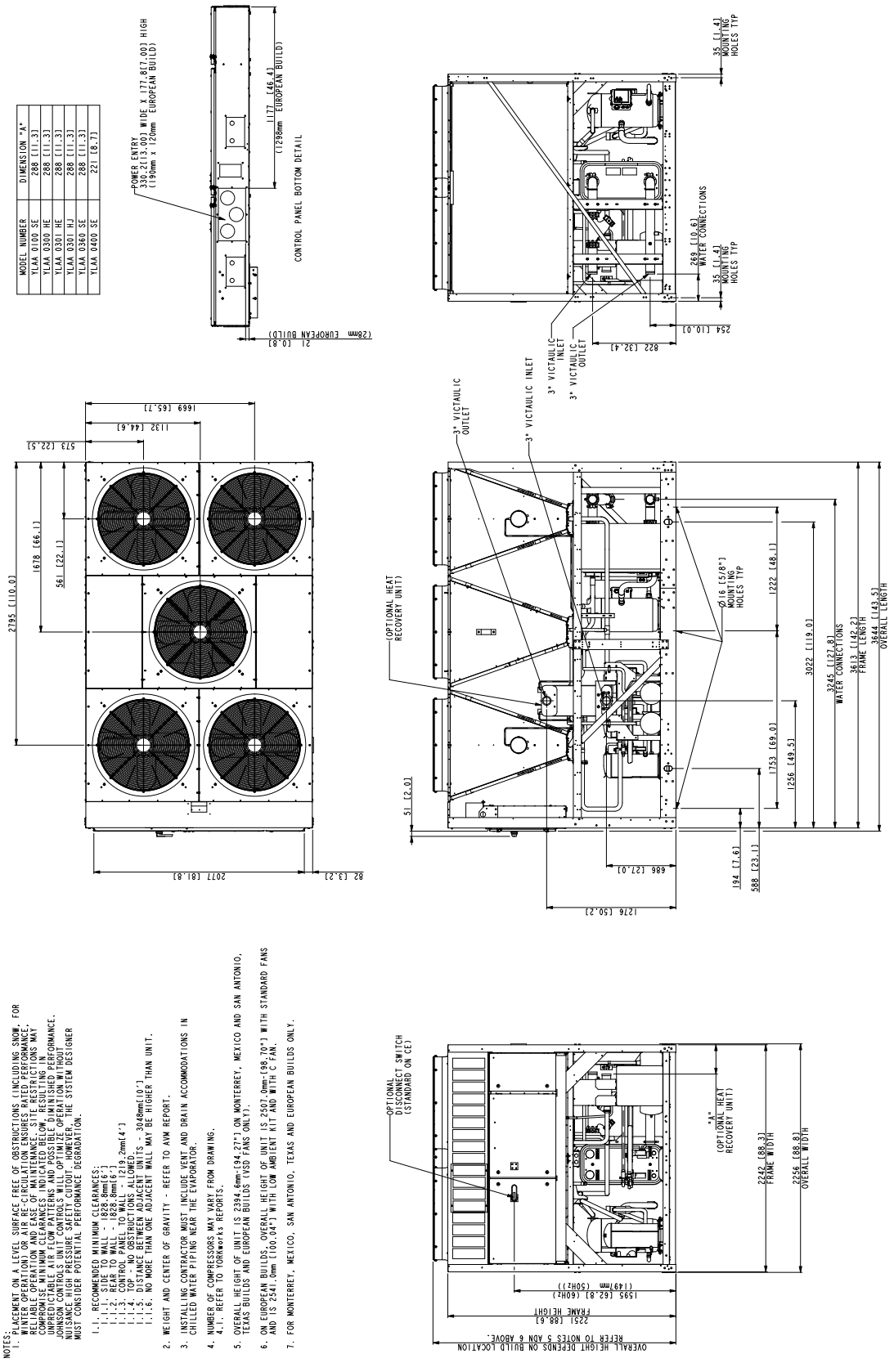
Dimensions and Hydraulic Connections

YLAA0301 - R454B - VSD fan

YLAA0301 - R410A - VSD fan



NOTES:

1. PLACEMENT ON A LEVEL SURFACE FREE OF OBSTRUCTIONS (INCLUDING SNOW). FOR MINIMUM OPERATING AND SERVICING CLEARANCES REQUIRED FOR PERFORMANCE, RELIABLE OPERATION, AND EASE OF MAINTENANCE, SITE RESTRICTIONS MAY COMPROMISE MINIMUM CLEARANCES INDICATED BELOW, RESULTING IN UNPREDICTABLE AIR FLOW PATTERNS AND POSSIBLE DIMINISHED PERFORMANCE. JOHNSON CONTROLS UNIT CONTROLS WITH OPTIMIZER OPTION W/ HOST NUISANCE HIGH PRESSURE CONTROL TRIPS. WHEN THE OPTIMIZER IS USED, THE SYSTEM DESIGNER MUST CONSIDER POTENTIAL PERFORMANCE DEGRADATION.
   - 1.1. RECOMMENDED MINIMUM CLEARANCES:
     - 1.1.1. SIDE TO WALL - 1828.8mm[6']
     - 1.1.2. REAR TO WALL - 1828.8mm[6']
     - 1.1.3. CONTROL PANEL TO WALL - 1219.2mm[4']
     - 1.1.4. TOP - NO OBSTRUCTIONS ALLOWED.
     - 1.1.5. DISTANCE BETWEEN ADJACENT UNITS - 3048mm[10']
     - 1.1.6. NO MORE THAN ONE ADJACENT WALL MAY BE HIGHER THAN UNIT.
2. WEIGHT AND CENTER OF GRAVITY - REFER TO AVM REPORT.
3. INSTALLING CONTRACTOR MUST INCLUDE VENT AND DRAIN ACCOMMODATIONS IN CHILLED WATER PIPING NEAR THE EVAPORATOR.
4. NUMBER OF COMPRESSORS MAY VARY FROM DRAWING.
4.1. REFER TO YORKworks REPORTS.
5. OVERALL HEIGHT OF UNIT IS 2394.6mm-[94.27"] ON MONTERREY, MEXICO AND SAN ANTONIO, TEXAS BUILDS AND EUROPEAN BUILDS (VSD FANS ONLY).
6. ON EUROPEAN BUILDS, OVERALL HEIGHT OF UNIT IS 2507.0mm-[98.70"] WITH STANDARD FANS AND IS 2541.0mm [100.04"] WITH LOW AMBIENT KIT AND WITH C FAN.
7. FOR MONTERREY, MEXICO, SAN ANTONIO, TEXAS AND EUROPEAN BUILDS ONLY.

Data Sheet – Design Conditions

YLAA0392 – R454B – VSD fan

Unit Type and Size

ID		YLAA0392
Number of Compressors		5
Compressor Type		Scroll - Hermetic
Number of Compressor Circuits		2
Capacity Control		22 / 41 / 59 / 83 / 100

Technical Data

Refrigerant Type		R454B
Net Cooling Capacity (according to EN14511-2018)	kW	373
Net Total Power Input (according to EN14511-2018)	kW	125.4
Net EER (according to EN14511-2018)	kW/kW	2.97
Gross Cooling Capacity	kW	373
Gross Total Power Input	kW	124.3
Gross EER	kW/kW	3
ηs,c (according to EN14825-2018)	%	186.78
SEER	kW/kW	4.74
Sound Power	dBA	93

Evaporator

Evaporator Type		Plate Heat Exchanger
Fluid Volume	L	50
Fluid Type		Water
Entering Liquid Temperature	°C	12
Leaving Liquid Temperature	°C	7
EvaporatingTemperature	°C	3.7 / 4
Total Flow Rate	L/s	17.741
Total Pressure Drop	kPa	33.8
Fouling Factor	m²K/kW	0.018
Fluid Connection Diameter	in	3"
Min Fluid Flow Rate	L/s	8.706
Max Fluid Flow Rate	L/s	33.122

Condenser (Air Cooled)

Ambient Air Dry Bulb Temperature	°C	35
Ambient Air Wet Bulb Temperature	°C	24
Condensing Temperature	°C	50.2 / 51.1
Number of Fans		6
Altitude	m	0
Total Air Flow	m³/s	42
Total Fan Power	kW	10.1

Electrical Data

Nominal Voltage / Voltage Limits		400-3-50 / 360-440
Nominal Current	A	239
Max. Current	A	289
Unit Short Circuit Current Withstand	[kA]	50
Compressor Starting Current(s)	A	254 / 254 / 254 / 326 / 326
Maximum Instantaneous Current	A	518

Physical Data

Shipping Weight	kg	2594
Operating Weight	kg	2644
Refrigerant Charge	kg	42.8
Frame Length	mm	3690
Frame Width	mm	2242
Frame Height	mm	2393
Global Warming Potential R454B	GWP CO2 = 1	466

Software Version: YW21.02a
Supply cable(s): 3 phases + Earth (No Neutral)
Performance Data in accordance with Eurovent Standard
Sound Data in accordance with ISO 9614
Min flow rate is for chillers using water. For glycol chillers please contact the application engineering team.
Outside the scope of AHRI Air-Cooled Water-Chilling Packages Using Vapor Compression Cycle Certification Program, but is rated in accordance with AHRI Standard 550/590 (I-P) and AHRI Standard 551/591 (SI).
Compliant with the requirements of the LEED Energy and Atmosphere Enhanced Refrigerant Management Credit (EAc4).
JCI declares 0 degree temperature pitch due to using engineering simulation models of actual performance and our software allows ratings at .1 degree increments.
JCI participates in the ECP program: Liquid Chilling Packages and Heat Pumps (LCP-HP). Check ongoing validity of certificate: www.eurovent-certification.com

Data Sheet – Design Conditions

YLAA0392 – R410A – VSD fan

Unit Type and Size

ID		YLAA0392
Number of Compressors		5
Compressor Type		Scroll – Hermetic
Number of Compressor Circuits		2
Capacity Control		22 / 41 / 59 / 83 / 100

Technical Data

Refrigerant Type		R410A
Net Cooling Capacity (according to EN14511-2018)	kW	378
Net Total Power Input (according to EN14511-2018)	kW	130.2
Net EER (according to EN14511-2018)	kW/kW	2.91
Gross Cooling Capacity	kW	379
Gross Total Power Input	kW	129
Gross EER	kW/kW	2.93
ηs,c (according to EN14825-2018)	%	186.58
SEER	kW/kW	4.74
Sound Power	dBA	93

Evaporator

Evaporator Type		Plate Heat Exchanger
Fluid Volume	L	50
Fluid Type		Water
Entering Liquid Temperature	°C	12
Leaving Liquid Temperature	°C	7
EvaporatingTemperature	°C	3.7 / 4
Total Flow Rate	L/s	18.011
Total Pressure Drop	kPa	34.7
Fouling Factor	m²K/kW	0.018
Fluid Connection Diameter	in	3"
Min Fluid Flow Rate	L/s	8.706
Max Fluid Flow Rate	L/s	33.122

Condenser (Air Cooled)

Ambient Air Dry Bulb Temperature	°C	35
Ambient Air Wet Bulb Temperature	°C	24
Condensing Temperature	°C	50.2 / 51.1
Number of Fans		6
Altitude	m	0
Total Air Flow	m³/s	42
Total Fan Power	kW	10.1

Electrical Data

Nominal Voltage / Voltage Limits		400-3-50 / 360-440
Nominal Current	A	239
Max. Current	A	289
Unit Short Circuit Current Withstand	[kA]	50
Compressor Starting Current(s)	A	254 / 254 / 254 / 326 / 326
Maximum Instantaneous Current	A	518

Physical Data

Shipping Weight	kg	2594
Operating Weight	kg	2644
Refrigerant Charge	kg	57
Frame Length	mm	3690
Frame Width	mm	2242
Frame Height	mm	2393
Global Warming Potential R410A	GWP CO2 = 1	2088

Software Version: YW21.02a
Supply cable(s): 3 phases + Earth (No Neutral)
Performance Data in accordance with Eurovent Standard
Sound Data in accordance with ISO 9614
Min flow rate is for chillers using water. For glycol chillers please contact the application engineering team.
Outside the scope of AHRI Air-Cooled Water-Chilling Packages Using Vapor Compression Cycle Certification Program, but is rated in accordance with AHRI Standard 550/590 (I-P) and AHRI Standard 551/591 (SI).
Compliant with the requirements of the LEED Energy and Atmosphere Enhanced Refrigerant Management Credit (EAc4).
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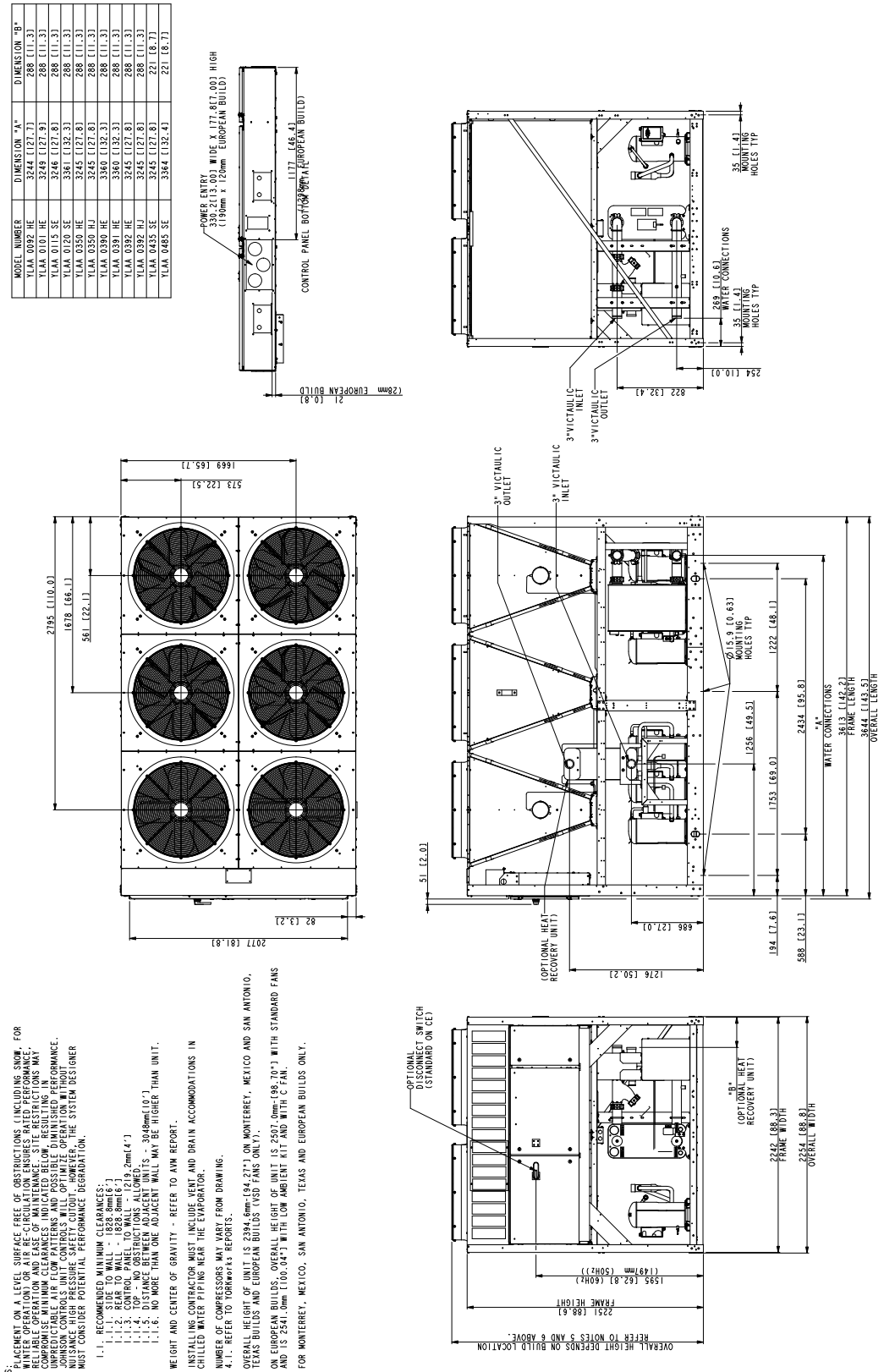
Dimensions and Hydraulic Connections

YLAA0392 - R454B - VSD fan
YLAA0392 - R410A - VSD fan



NOTES:
1. PLACEMENT ON A LEVEL SURFACE FREE OF OBSTRUCTIONS (INCLUDING SNOW). FOR WINTER OPERATION) OR AIR RE-CIRCULATION ENSURES RATED PERFORMANCE, RELIABLE OPERATION AND EASE OF MAINTENANCE. SITE RESTRICTIONS MAY COMPROMISE MINIMUM CLEARANCES INDICATED BELOW, RESULTING IN UNDESIRABLE AIR OR WATER RECIRCULATION AND REDUCED PERFORMANCE. JOHNSON CONTROLS UNIT CONTROLS WILL OPTIMIZE OPERATION WITHOUT NUISANCE HIGH PRESSURE SAFETY CUTOUT. HOWEVER, THE SYSTEM DESIGNER MUST CONSIDER POTENTIAL PERFORMANCE DEGRADATION.
   1.1. RECOMMENDED MINIMUM CLEARANCES:
      1.1.1. SIDE TO WALL - 1828.8mm[6']
      1.1.2. REAR TO WALL - 1828.8mm[6']
      1.1.3. CONTROL PANEL TO WALL - 1219.2mm[4']
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4. NUMBER OF COMPRESSORS MAY VARY FROM DRAWING.
   4.1. REFER TO YORKworks REPORTS.
5. OVERALL HEIGHT OF UNIT IS 2394.6mm-[94.27"] ON MONTERREY, MEXICO AND SAN ANTONIO, TEXAS BUILDS AND EUROPEAN BUILDS (VSD FANS ONLY).
6. ON EUROPEAN BUILDS, OVERALL HEIGHT OF UNIT IS 2507.0mm-[98.70"] WITH STANDARD FANS AND IS 2541.0mm [100.04"] WITH LOW AMBIENT KIT AND WITH C FAN.
7. FOR MONTERREY, MEXICO, SAN ANTONIO, TEXAS AND EUROPEAN BUILDS ONLY.

Data Sheet – Design Conditions

YLAA0517 – R454B – EC fan

Unit Type and Size

ID		YLAA0517
Number of Compressors		6
Compressor Type		Scroll – Hermetic
Number of Compressor Circuits		2
Capacity Control		16 / 33 / 50 / 67 / 84 / 100

Technical Data

Refrigerant Type		R454B
Net Cooling Capacity (according to EN14511-2018)	kW	531
Net Total Power Input (according to EN14511-2018)	kW	171.3
Net EER (according to EN14511-2018)	kW/kW	3.1
Gross Cooling Capacity	kW	531
Gross Total Power Input	kW	169.5
Gross EER	kW/kW	3.13
ηs,c (according to EN14825-2018)	%	206.66
SEER	kW/kW	5.24
Sound Power	dBA	87

Evaporator

Evaporator Type		Plate Heat Exchanger
Fluid Volume	L	54
Fluid Type		Water
Entering Liquid Temperature	°C	12
Leaving Liquid Temperature	°C	7
EvaporatingTemperature	°C	3.3 / 3.3
Total Flow Rate	L/s	25.278
Evap Pressure Drop	kPa	41.2
Strainer Pressure Drop	kPa	12.5
Extension Kit Pressure Drop	kPa	29
Total Pressure Drop	kPa	82.7
Fouling Factor	m^2K/kW	0.018
Fluid Connection Diameter	in	4"
Min Fluid Flow Rate	L/s	12.6
Max Fluid Flow Rate	L/s	41

Condenser (Air Cooled)

Ambient Air Dry Bulb Temperature	°C	35
Ambient Air Wet Bulb Temperature	°C	24
Condensing Temperature	°C	50.5 / 50.5
Number of Fans		8
Altitude	m	0
Total Air Flow	m^3/s	51
Total Fan Power	kW	11.8

Electrical Data

Nominal Voltage / Voltage Limits		400-3-50 / 360-440
Nominal Current	A	313
Max. Current	A	382
Unit Short Circuit Current Withstand	[kA]	50
Compressor Starting Current(s)	A	326 / 326 / 326 / 326 / 326 / 326
Maximum Instantaneous Current	A	591

Physical Data

Shipping Weight	kg	3616
Operating Weight	kg	3669
Refrigerant Charge	kg	52.5
Frame Length	mm	4807
Frame Width	mm	2242
Frame Height	mm	2541
Global Warming Potential R454B	GWP CO2 = 1	466

Software Version: YW21.02a
Supply cable(s): 3 phases + Earth (No Neutral)
Performance Data in accordance with Eurovent Standard
Sound Data in accordance with ISO 9614
Min flow rate is for chillers using water. For glycol chillers please contact the application engineering team.
Outside the scope of AHRI Air-Cooled Water-Chilling Packages Using Vapor Compression Cycle Certification Program, but is rated in accordance with AHRI Standard 550/590 (I-P) and AHRI Standard 551/591 (SI).
Compliant with the requirements of the LEED Energy and Atmosphere Enhanced Refrigerant Management Credit (EAc4).
JCI declares 0 degree temperature pitch due to using engineering simulation models of actual performance and our software allows ratings at .1 degree increments.
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Data Sheet - Design Conditions

YLAA0517 - R454B - VSD fan

Unit Type and Size

ID		YLAA0517
Number of Compressors		6
Compressor Type		Scroll - Hermetic
Number of Compressor Circuits		2
Capacity Control		16 / 34 / 51 / 68 / 84 / 100

Technical Data

Refrigerant Type		R454B
Net Cooling Capacity (according to EN14511-2018)	kW	518
Net Total Power Input (according to EN14511-2018)	kW	172.7
Net EER (according to EN14511-2018)	kW/kW	3
Gross Cooling Capacity	kW	518
Gross Total Power Input	kW	171
Gross EER	kW/kW	3.03
ηs,c (according to EN14825-2018)	%	203.09
SEER	kW/kW	5.15
Sound Power	dBA	94

Evaporator

Evaporator Type		Plate Heat Exchanger
Fluid Volume	L	54
Fluid Type		Water
Entering Liquid Temperature	°C	12
Leaving Liquid Temperature	°C	7
Total Flow Rate	L/s	24.657
Total Pressure Drop	kPa	39.3
Fouling Factor	m²K/kW	0.018
Fluid Connection Diameter	in	4"
Min Fluid Flow Rate	L/s	12.6
Max Fluid Flow Rate	L/s	41

Condenser (Air Cooled)

Ambient Air Dry Bulb Temperature	°C	35
Ambient Air Wet Bulb Temperature	°C	24
Number of Fans		8
Altitude	m	0
Total Air Flow	m³/s	57
Total Fan Power	kW	13.4

Electrical Data

Nominal Voltage / Voltage Limits		400-3-50 / 360-440
Nominal Current	A	323
Max. Current	A	392
Unit Short Circuit Current Withstand	[kA]	50
Maximum Instantaneous Current	A	601

Physical Data

Shipping Weight	kg	3688
Operating Weight	kg	3741
Refrigerant Charge	kg	78.5
Frame Length	mm	4807
Frame Width	mm	2242
Frame Height	mm	2393
Global Warming Potential R454B	GWP CO2 = 1	466

Software Version: YW21.02a
Supply cable(s): 3 phases + Earth (No Neutral)
Performance Data in accordance with Eurovent Standard
Sound Data in accordance with ISO 9614
Min flow rate is for chillers using water. For glycol chillers please contact the application engineering team.
Outside the scope of AHRI Air-Cooled Water-Chilling Packages Using Vapor Compression Cycle Certification Program, but is rated in accordance with AHRI Standard 550/590 (I-P) and AHRI Standard 551/591 (SI).
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Data Sheet - Design Conditions

YLAA0517 - R410A - VSD fan

Unit Type and Size

ID		YLAA0517
Number of Compressors		6
Compressor Type		Scroll - Hermetic
Number of Compressor Circuits		2
Capacity Control		16 / 34 / 51 / 68 / 84 / 100

Technical Data

Refrigerant Type		R410A
Net Cooling Capacity (according to EN14511-2018)	kW	526
Net Total Power Input (according to EN14511-2018)	kW	179.3
Net EER (according to EN14511-2018)	kW/kW	2.93
Gross Cooling Capacity	kW	526
Gross Total Power Input	kW	177.6
Gross EER	kW/kW	2.96
ηs,c (according to EN14825-2018)	%	202.79
SEER	kW/kW	5.14
Sound Power	dBA	94

Evaporator

Evaporator Type		Plate Heat Exchanger
Fluid Volume	L	54
Fluid Type		Water
Entering Liquid Temperature	°C	12
Leaving Liquid Temperature	°C	7
EvaporatingTemperature	°C	4 / 4
Total Flow Rate	L/s	25.033
Total Pressure Drop	kPa	40.4
Fouling Factor	m²K/kW	0.018
Fluid Connection Diameter	in	4"
Min Fluid Flow Rate	L/s	12.6
Max Fluid Flow Rate	L/s	41

Condenser (Air Cooled)

Ambient Air Dry Bulb Temperature	°C	35
Ambient Air Wet Bulb Temperature	°C	24
Condensing Temperature	°C	50.5 / 50.5
Number of Fans		8
Altitude	m	0
Total Air Flow	m³/s	57
Total Fan Power	kW	13.4

Electrical Data

Nominal Voltage / Voltage Limits		400-3-50 / 360-440
Nominal Current	A	323
Max. Current	A	392
Unit Short Circuit Current Withstand	[kA]	50
Compressor Starting Current(s)	A	326 / 326 / 326 / 326 / 326 / 326
Maximum Instantaneous Current	A	601

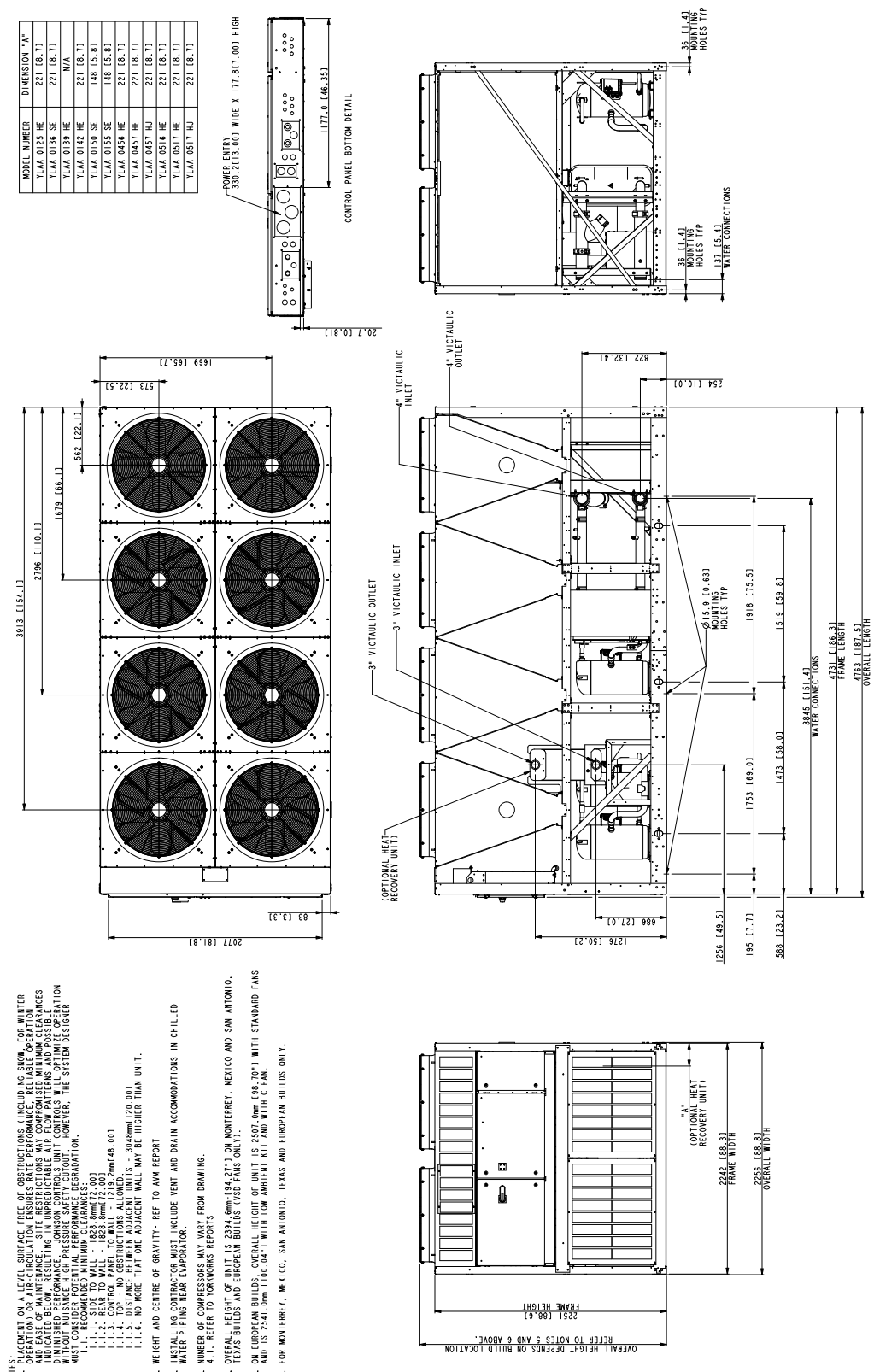
Physical Data

Shipping Weight	kg	3688
Operating Weight	kg	3741
Refrigerant Charge	kg	70
Frame Length	mm	4807
Frame Width	mm	2242
Frame Height	mm	2393
Global Warming Potential R410A	GWP CO2 = 1	2088

Software Version: YW21.02a
Supply cable(s): 3 phases + Earth (No Neutral)
Performance Data in accordance with Eurovent Standard
Sound Data in accordance with ISO 9614
Min flow rate is for chillers using water. For glycol chillers please contact the application engineering team.
Outside the scope of AHRI Air-Cooled Water-Chilling Packages Using Vapor Compression Cycle Certification Program, but is rated in accordance with AHRI Standard 550/590 (I-P) and AHRI Standard 551/591 (SI).
Compliant with the requirements of the LEED Energy and Atmosphere Enhanced Refrigerant Management Credit (EAc4).
JCI declares 0 degree temperature pitch due to using engineering simulation models of actual performance and our software allows ratings at .1 degree increments.
JCI participates in the ECP program: Liquid Chilling Packages and Heat Pumps (LCP-HP). Check ongoing validity of certificate: www.eurovent-certification.com

Dimensions and Hydraulic Connections

YLAA0517 - R454B - EC fan
YLAA0517 - R454B - VSD fan
YLAA0517 - R410A - VSD fan



NOTES:
1. PLACEMENT ON A LEVEL SURFACE FREE OF OBSTRUCTIONS (INCLUDING SNOW, FOR WINTER OPERATION) OR AIR-CIRCULATION ENSURES RATED PERFORMANCE, RELIABLE OPERATION AND EASE OF MAINTENANCE. SITE RESTRICTIONS MAY COMPROMISED MINIMUM CLEARANCES INDICATED BELOW, RESULTING IN UNPREDICTABLE AIR FLOW PATTERNS AND POSSIBLE RECIRCULATION OF DISCHARGE AIR. ADJACENT UNITS OPERATING WITHOUT NUISANCE HIGH PRESSURE SAFETY CUTOUT. HOWEVER, THE SYSTEM DESIGNER MUST CONSIDER POTENTIAL PERFORMANCE DEGRADATION.
   1.1. RECOMMENDED MINIMUM CLEARANCES:
      1.1.1. SERVICE ACCESS - 1828.8mm[72.00]
      1.1.2. REAR TO WALL - 1828.8mm[72.00]
      1.1.3. CONTROL PANEL TO WALL - 1219.2mm[48.00]
      1.1.4. TOP - NO OBSTRUCTIONS ALLOWED.
      1.1.5. DISTANCE BETWEEN UNITS - 3048mm[120.00]
      1.1.6. NO MORE THAT ONE ADJACENT WALL MAY BE HIGHER THAN UNIT.
2. WEIGHT AND CENTRE OF GRAVITY- REF TO AVM REPORT
3. INSTALLING CONTRACTOR MUST INCLUDE VENT AND DRAIN ACCOMMODATIONS IN CHILLED WATER PIPING NEAR EVAPORATOR.
4. NUMBER OF COMPRESSORS MAY VARY FROM DRAWING.
   4.1. REFER TO YORKWORKS REPORTS
5. OVERALL HEIGHT OF UNIT IS 2394.6mm[94.27"] ON MONTERREY, MEXICO AND SAN ANTONIO, TEXAS BUILDS AND EUROPEAN BUILDS (VSD FANS ONLY).
6. ON EUROPEAN BUILDS, OVERALL HEIGHT OF UNIT IS 2507.0mm [98.70"] WITH STANDARD FANS AND IS 2541.0mm [100.04"] WITH LOW AMBIENT KIT AND WITH C FAN.
7. FOR MONTERREY, MEXICO, SAN ANTONIO, TEXAS AND EUROPEAN BUILDS ONLY.

YORK

About Johnson Controls

At Johnson Controls, we transform the environments where people live, work, learn and play. From optimizing building performance to improving safety and enhancing comfort, we drive the outcomes that matter most. We deliver our promise in industries such as healthcare, education, data centers and manufacturing.

With a global team of 100,000 experts in more than 150 countries and over 130 years of innovation, we are the power behind our customers' mission. Our leading portfolio of building technology and solutions includes some of the most trusted names in the industry, such as Tyco®, YORK®, Metasys®, Sabroe®, Frick®, ZETTLER® and Sensormatic®.

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