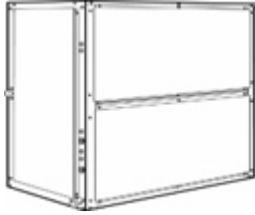


Unit Report For 7.5 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM



Indoor Unit Parameters

Unit Model:.....**40RLS**
Unit Size:.....**7.5 Tons**
No. of Coils:.....**1**
Voltage:.....**230-3-60** V-Ph-Hz

System Parameter

System Quantity:.....**1**
Compressor Type:.....**N/A**

Indoor Unit Dimensions and Weight

Unit Length:.....**4' 1.0"**
Unit Width:.....**2' 4.2"**
Unit Height:.....**4' 8.1"**
Unit Weight:.....**390** lb

Warranty Information Outdoor (Note: for US & Canada only)

First Year - Parts Only (Standard)

Warranty Information Indoor (Note: for US & Canada only)

First Year - Parts Only (Standard)

Warranty Information (Note: for US & Canada only)

NOTE: Please see Warranty Catalog 808-218 for explanation of policies and ordering methods.

Ordering Information

Part Number	Description	Quantity
Base Unit - Indoor		
40RLSA08A2A5-UA0A0		1
	Base Unit	
	Standard/Medium Static (Ecoblue)	1
	Cabinet Paint - None	1
	Two Speed Direct Drive - EcoBlue Vane Axial Fan	1
	Electromechanical Unit Control Board	1
	Standard	1

Performance Summary For 7.5 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM

System: **40RLS008**
System Quantity: **1**
Altitude: **0.0** ft

Control Panel SCCR: 5kA RMS at Rated Symmetrical Voltage

Indoor Unit Parameters

PartNumber: **40RLSA08A2A5-UA0A0**
Unit Model: **40RLS**
Unit Size: **7.5 Tons**
No. of Splits: **1**
Voltage: **230-3-60** V-Ph-Hz
Actual Airflow: **3000.0** CFM
Total Clg Cap.(Gross): **101.1** MBH
Sensible Clg Cap.(Gross): **74.4** MBH
Ent Air DB: **80.0** °F
Ent Air WB: **67.0** °F
Ent Enthalpy: **31.44** BTU/lb
Lvg Air DB: **57.3** °F
Lvg Air WB: **56.3** °F
Lvg Enthalpy: **23.95** BTU/lb
Coil Bypass Factor: **0.093**
Fluid Flow Rate: **20.2** gpm
Ent Fluid Temp: **45.0** °F
Lvg Fluid Temp: **55.0** °F
Fluid Rise: **10.0** °F
Fluid PD: **3.6** ft wg
Fluid Type: **Fresh Water**
Fluid Conc: **0** %

Indoor Supply Fan

Indoor Unit External Static: **1.00** in wg
Economizer Loss: **0.00** in wg
Grille Loss: **0.00** in wg
Dehumidification Loss: **0.00** in wg
Plenum Loss: **0.00** in wg
Acc. Heating Loss: **0.00** in wg
Total Ext Static: **1.00** in wg
Fan Speed: **1432** RPM
Fan Power: **1.08** BHP
Fan Motor Max: **2.40** BHP
Fan Motor FLA: **5.8** Amps
Motor and Medium Static Drive Required.

Indoor Electrical Data

Unit Voltage: **230-3-60** V-Ph-Hz
Unit MCA: **8.0** Amps
Unit MOCP: **15.0** Amps
Notice: Indoor unit elect. data is based on 230-3-60

Acoustics

Sound Power Levels, db re 10E-12 Watts

A-Weighted	Outdoor Unit (dB)	Indoor Unit (dB,Ducted)
Total Level	NA	88.4
63Hz	NA	69.1
125Hz	NA	75.2
250Hz	NA	78.7

Performance Summary For 7.5 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM

500Hz	NA	83.1
1000Hz	NA	82.3
2000Hz	NA	81.5
4000Hz	NA	77.3
8000Hz	NA	NA
Sound Message	Sound for rls008	

Acoustic Note:

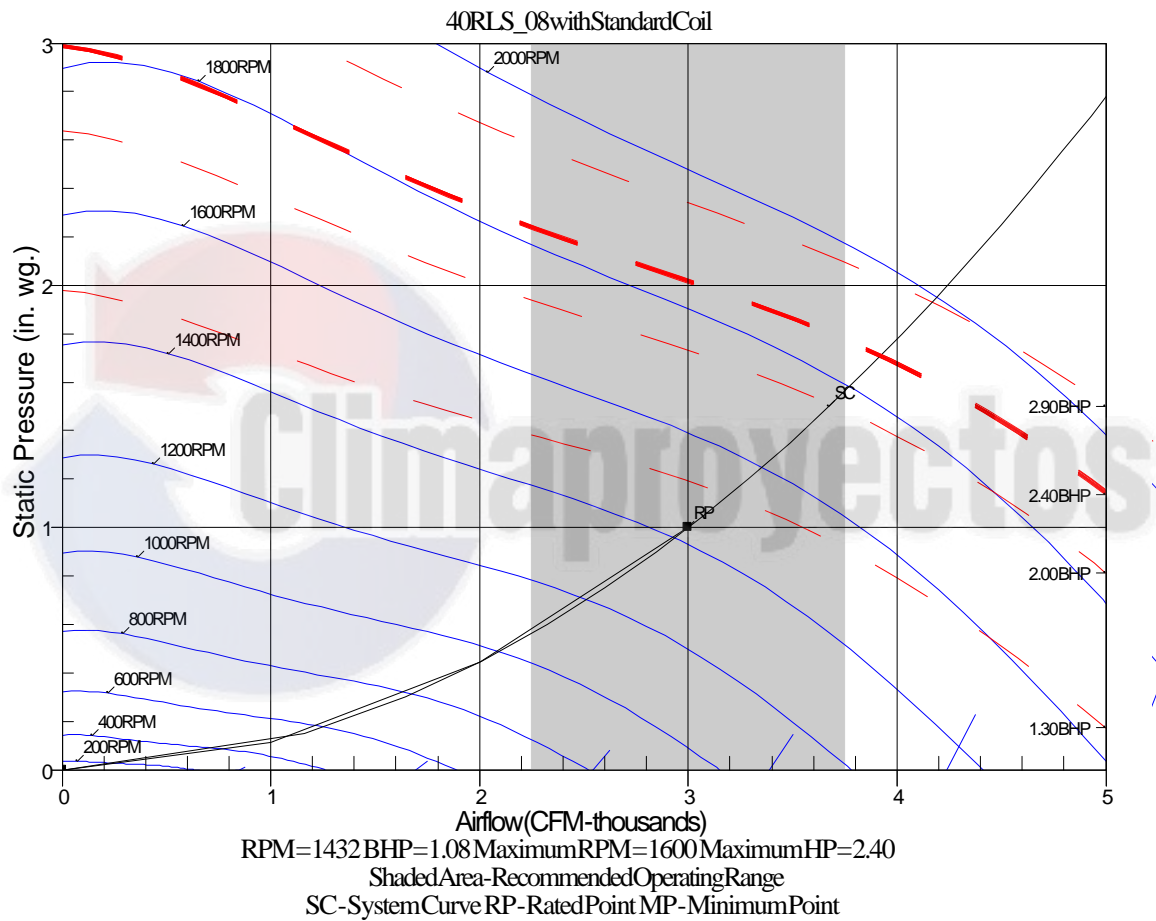
1. 40RF/40RL/40RU units sound ratings are in accordance with AHSRAE 1987 HVAC Systems and Applications handbook.
2. The acoustic center of the unit is located at the geometric center of the unit.



Performance Summary For 7.5 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM



Acoustic Summary For 7.5 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM

Acoustic Note:

1. Estimated Sound Power levels - dB re: 1 picowatt
2. Estimated Sound Pressure levels - dB re: 20 micropascal
3. Estimated sound levels given above are assumed to originate at the acoustic center of the unit. The acoustic center of the unit is located at the projection of the condensing unit's geometric center of its base.
4. Sound power levels shown above were determined in accordance with ARI standard 370 for large outdoor refrigeration and air conditioning equipment.
5. Calculation methods used in this program are patterned after the ASHRAE Guide; other ASHRAE Publications and the ARI Acoustical Standards. While a very significant effort has been made to insure the technical accuracy of this program, it is assumed that the user is knowledgeable in the art of system sound estimation and is aware of the tolerances involved in real world acoustical estimation. This program makes certain assumptions as to the dominant sound sources and sound paths which may not always be appropriate to the real system being estimated. Because of this, no assurances can be offered that this software will always generate an accurate sound prediction from user supplied input data. If in doubt about the estimation of expected sound levels in a space, an Acoustical Engineer or a person with sound prediction expertise should be consulted.

Indoor Unit Parameters:

Tag Name:.....**7.5 TON 230V**
Unit Model:.....**40RLS**
Unit Size:.....**7.5 Tons**
System Type:.....**Chilled Water**
External Static Pressure:.....**1.00** in wg
Fan Speed:.....**1432** RPM
Fan BHP:.....**1.08** BHP

Detailed Acoustics Information

Octave Band Center Frequency, Hz	31	63	125	250	500	1k	2k	4k	8k	Total
Sound Power,dB	NA	95	91	87	86	82	80	76	NA	98
A-Weighted Sound Power, dBA	NA	69	75	79	83	82	82	77	NA	88

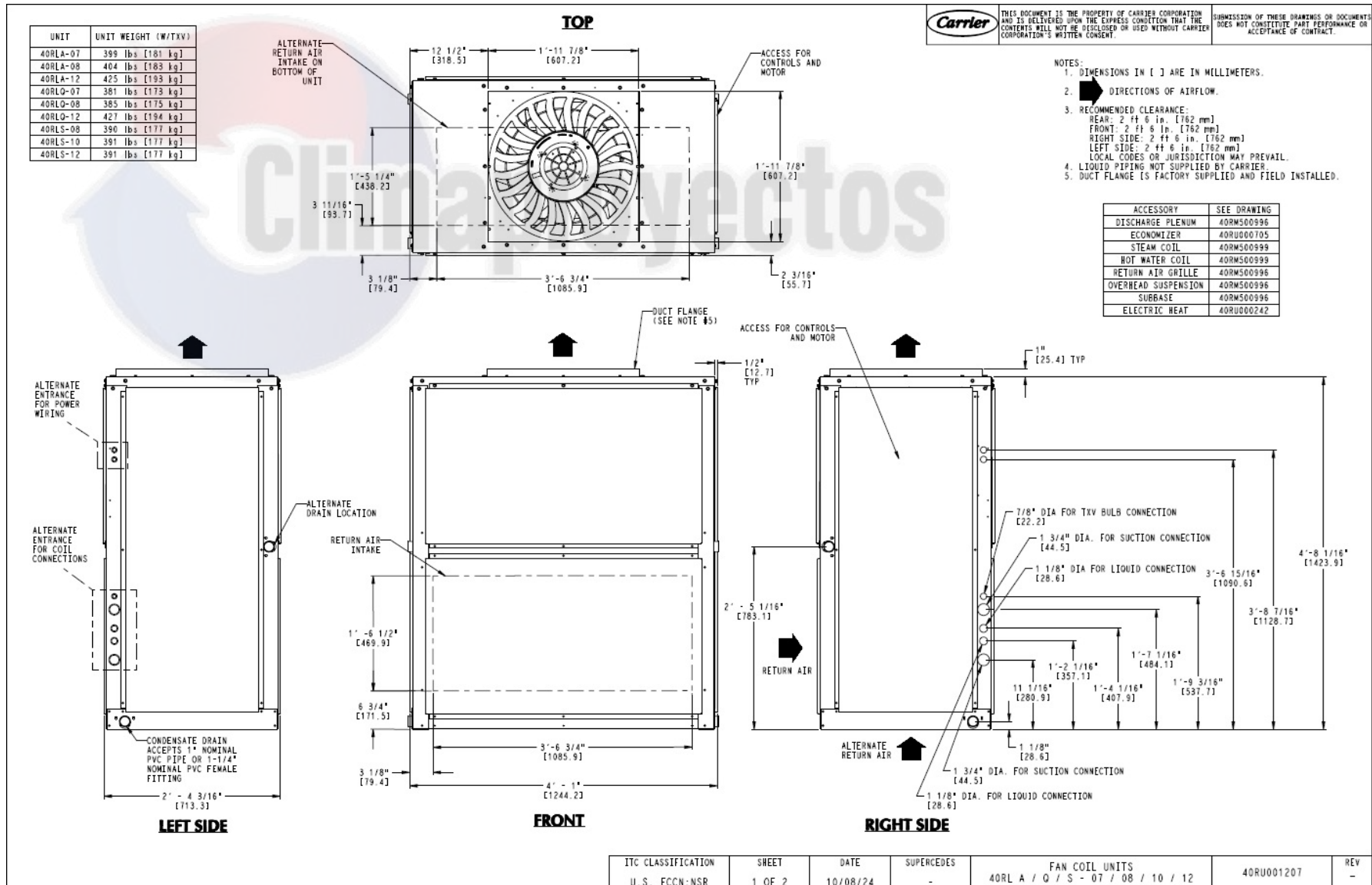
Acoustic Notes:

1. 40RU units sound ratings are in accordance with AHSRAE 1987 HVAC Systems and Applications handbook.
2. The acoustic center of the units is located at the geometric center of the unit.
3. All estimated sound power levels, dB re 1 Picowatt should not be guaranteed or certified as being the actual sound power levels.

Certified Drawing for 7.5 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM





COMMERCIAL SPLIT SYSTEMS
40RLS CHILLED WATER PACKAGED AIR-HANDLING UNITS,
7.5 – 10 Ton

The 40RLS units are compact chilled water packaged air-handling units offering the ultimate in installation ease and flexibility. 40RLS units range from 7.5 to 10 tons and can be installed in either the vertical or horizontal configuration with no modifications. Powerful fan systems allow easy adaptation to existing ductwork, heaters, hot water coils, or steam coils.



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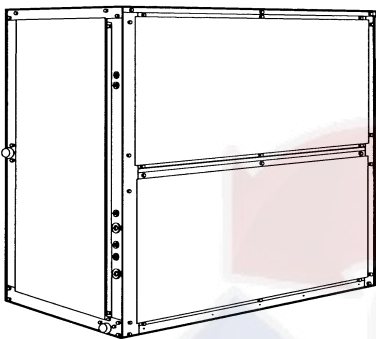
BASE UNIT STANDARD FEATURES:

- Direct Drive – EcoBlue™ Technology Indoor fan system uses Vane Axial fan design and electronically commutated motor. Indoor fan motor delivers Staged Air Volume (SAV) fan speed control
- New Unit Control Board with intuitive quick fan speed adjustment
- Two sloped condensate pans on each unit for horizontal or vertical applications.
- 2 inch filters.
- Factory-installed fan motor and contactor.
- Easy maintenance -- removal of a single panel allows access to virtually all components.
- Single blower on 08 to 12 sizes.
- 24 volt terminal block for control wiring connections.
- Factory installed Staged Air Volume (SAV™) system with 2-speed indoor fan system
- Standard one-year warranty.
- Designed in accordance with Underwriters' Laboratories Standard UL 60335
- Listed by UL and CUL-Canada



COMMERCIAL SPLIT SYSTEMS
40RLS CHILLED WATER PACKAGED AIR-HANDLING UNITS,
12.5 – 30 Ton

The 40RLS units are compact chilled water packaged air-handling units offering the ultimate in installation ease and flexibility. 40RLS units range from 12.5 to 30 tons and can be installed in either the vertical or horizontal configuration with no modifications. Powerful fan systems allow easy adaptation to existing ductwork, heaters, hot water coils, or steam coils.



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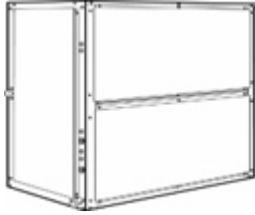
BASE UNIT STANDARD FEATURES:

-
- 2 inch filters.
- Powerful belt-driven forward curved fans.
- Factory-installed fan motor and contactor.
- Easy maintenance -- removal of a single panel allows access to virtually all components.
- Dual blower on 14 to 30 sizes.
- 24 volt terminal block for control wiring connections.
-
-
- Designed in accordance with Underwriters' Laboratories Standard UL 60335
-

Unit Report For 8.5 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM



Indoor Unit Parameters

Unit Model:.....**40RLS**
Unit Size:.....**8.5 Tons**
No. of Coils:.....**1**
Voltage:.....**230-3-60** V-Ph-Hz

System Parameter

System Quantity:.....**1**
Compressor Type:.....**N/A**

Indoor Unit Dimensions and Weight

Unit Length:.....**4' 1.0"**
Unit Width:.....**2' 4.2"**
Unit Height:.....**4' 8.1"**
Unit Weight:.....**391** lb

Warranty Information Outdoor (Note: for US & Canada only)

First Year - Parts Only (Standard)

Warranty Information Indoor (Note: for US & Canada only)

First Year - Parts Only (Standard)

Warranty Information (Note: for US & Canada only)

NOTE: Please see Warranty Catalog 808-218 for explanation of policies and ordering methods.

Ordering Information

Part Number	Description	Quantity
Base Unit - Indoor		
40RLSA10A2A5-UA0A0		1
	Base Unit	
	Standard/Medium Static (Ecoblue)	1
	Cabinet Paint - None	1
	Two Speed Direct Drive - EcoBlue Vane Axial Fan	1
	Electromechanical Unit Control Board	1
	Standard	1

Performance Summary For 8.5 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM

System: **40RLS010**
System Quantity: **1**
Altitude: **0.0** ft

Control Panel SCCR: 5kA RMS at Rated Symmetrical Voltage

Indoor Unit Parameters

PartNumber: **40RLSA10A2A5-UA0A0**
Unit Model: **40RLS**
Unit Size: **8.5 Tons**
No. of Splits: **1**
Voltage: **230-3-60** V-Ph-Hz
Actual Airflow: **3400.0** CFM
Total Clg Cap.(Gross): **112.9** MBH
Sensible Clg Cap.(Gross): **83.4** MBH
Ent Air DB: **80.0** °F
Ent Air WB: **67.0** °F
Ent Enthalpy: **31.44** BTU/lb
Lvg Air DB: **57.6** °F
Lvg Air WB: **56.4** °F
Lvg Enthalpy: **24.06** BTU/lb
Coil Bypass Factor: **0.098**
Fluid Flow Rate: **22.6** gpm
Ent Fluid Temp: **45.0** °F
Lvg Fluid Temp: **55.0** °F
Fluid Rise: **10.0** °F
Fluid PD: **4.0** ft wg
Fluid Type: **Fresh Water**
Fluid Conc: **0** %

Indoor Supply Fan

Indoor Unit External Static: **1.00** in wg
Economizer Loss: **0.00** in wg
Grille Loss: **0.00** in wg
Dehumidification Loss: **0.00** in wg
Plenum Loss: **0.00** in wg
Acc. Heating Loss: **0.00** in wg
Total Ext Static: **1.00** in wg
Fan Speed: **1507** RPM
Fan Power: **1.23** BHP
Fan Motor Max: **2.40** BHP
Fan Motor FLA: **5.8** Amps
Motor and Medium Static Drive Required.

Indoor Electrical Data

Unit Voltage: **230-3-60** V-Ph-Hz
Unit MCA: **8.0** Amps
Unit MOCP: **15.0** Amps
Notice: Indoor unit elect. data is based on 230-3-60

Acoustics

Sound Power Levels, db re 10E-12 Watts

A-Weighted	Outdoor Unit (dB)	Indoor Unit (dB,Ducted)
Total Level	NA	89.8
63Hz	NA	70.5
125Hz	NA	76.6
250Hz	NA	80.1

Performance Summary For 8.5 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM

500Hz	NA	84.5
1000Hz	NA	83.7
2000Hz	NA	82.9
4000Hz	NA	78.7
8000Hz	NA	NA
Sound Message	Sound for rls010	

Acoustic Note:

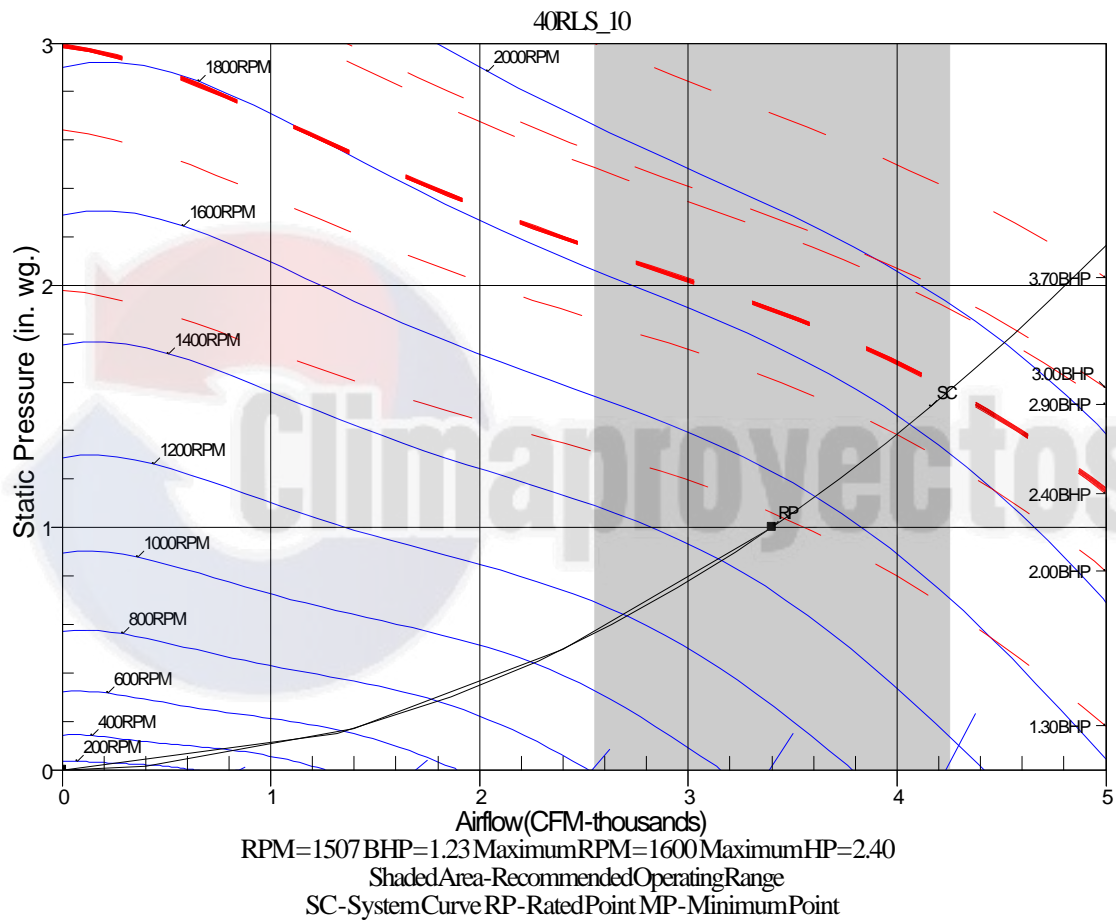
1. 40RF/40RL/40RU units sound ratings are in accordance with AHSRAE 1987 HVAC Systems and Applications handbook.
2. The acoustic center of the unit is located at the geometric center of the unit.



Performance Summary For 8.5 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM



Acoustic Summary For 8.5 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM

Acoustic Note:

1. Estimated Sound Power levels - dB re: 1 picowatt
2. Estimated Sound Pressure levels - dB re: 20 micropascal
3. Estimated sound levels given above are assumed to originate at the acoustic center of the unit. The acoustic center of the unit is located at the projection of the condensing unit's geometric center of its base.
4. Sound power levels shown above were determined in accordance with ARI standard 370 for large outdoor refrigeration and air conditioning equipment.
5. Calculation methods used in this program are patterned after the ASHRAE Guide; other ASHRAE Publications and the ARI Acoustical Standards. While a very significant effort has been made to insure the technical accuracy of this program, it is assumed that the user is knowledgeable in the art of system sound estimation and is aware of the tolerances involved in real world acoustical estimation. This program makes certain assumptions as to the dominant sound sources and sound paths which may not always be appropriate to the real system being estimated. Because of this, no assurances can be offered that this software will always generate an accurate sound prediction from user supplied input data. If in doubt about the estimation of expected sound levels in a space, an Acoustical Engineer or a person with sound prediction expertise should be consulted.

Indoor Unit Parameters:

Tag Name:.....**8.5 TON 230V**
Unit Model:.....**40RLS**
Unit Size:.....**8.5 Tons**
System Type:.....**Chilled Water**
External Static Pressure:.....**1.00** in wg
Fan Speed:.....**1507** RPM
Fan BHP:.....**1.23** BHP

Detailed Acoustics Information

Octave Band Center Frequency, Hz	31	63	125	250	500	1k	2k	4k	8k	Total
Sound Power,dB	NA	97	93	89	88	84	82	78	NA	99
A-Weighted Sound Power, dBA	NA	71	77	80	85	84	83	79	NA	90

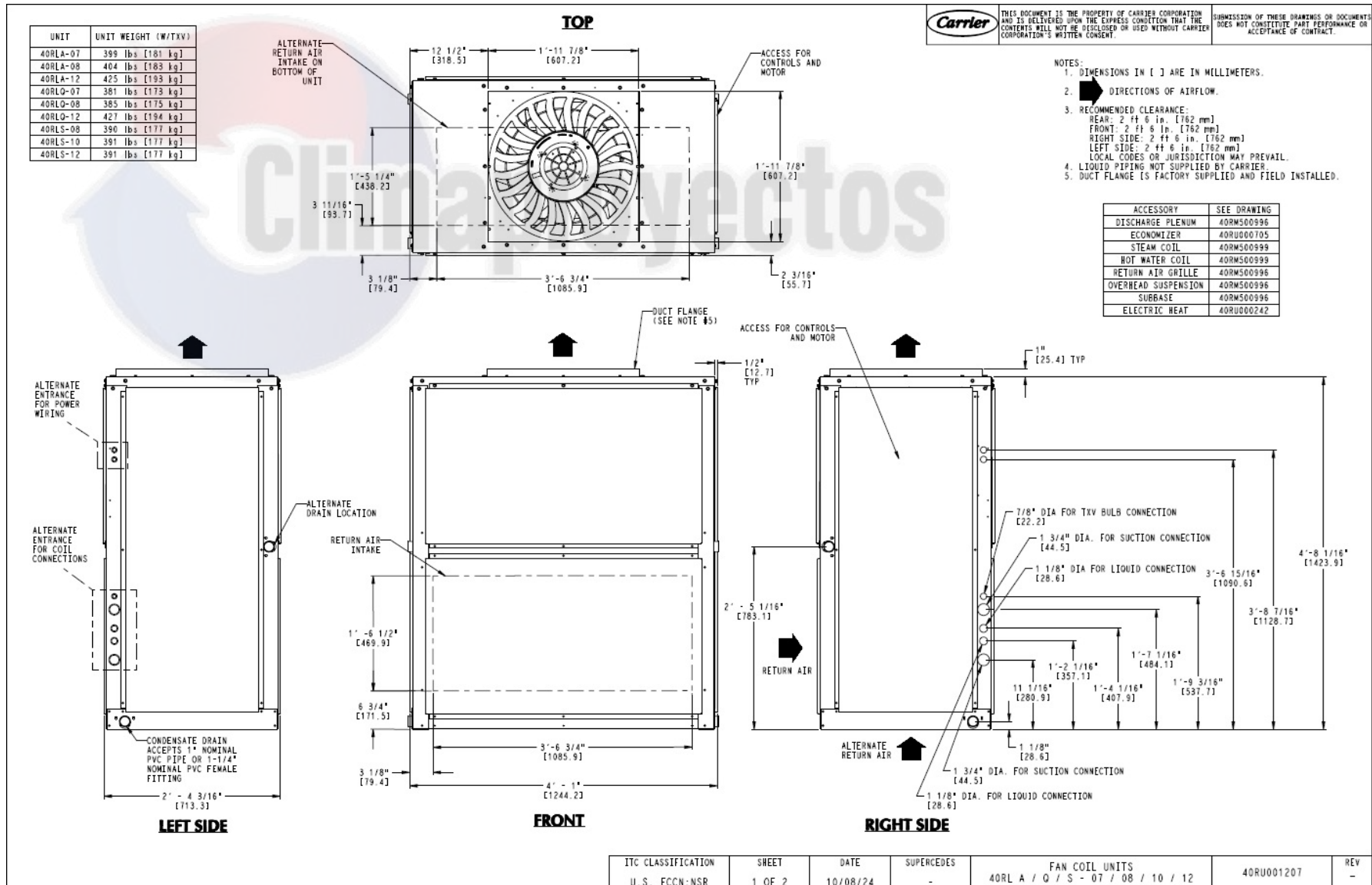
Acoustic Notes:

1. 40RU units sound ratings are in accordance with AHSRAE 1987 HVAC Systems and Applications handbook.
2. The acoustic center of the units is located at the geometric center of the unit.
3. All estimated sound power levels, dB re 1 Picowatt should not be guaranteed or certified as being the actual sound power levels.

Certified Drawing for 8.5 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM





COMMERCIAL SPLIT SYSTEMS
40RLS CHILLED WATER PACKAGED AIR-HANDLING UNITS,
7.5 – 10 Ton

The 40RLS units are compact chilled water packaged air-handling units offering the ultimate in installation ease and flexibility. 40RLS units range from 7.5 to 10 tons and can be installed in either the vertical or horizontal configuration with no modifications. Powerful fan systems allow easy adaptation to existing ductwork, heaters, hot water coils, or steam coils.



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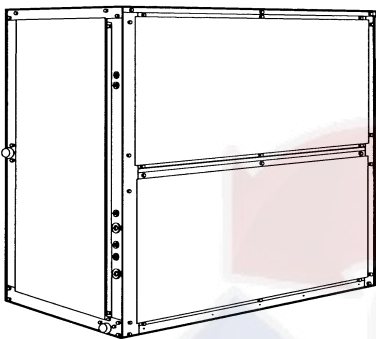
BASE UNIT STANDARD FEATURES:

- Direct Drive – EcoBlue™ Technology Indoor fan system uses Vane Axial fan design and electronically commutated motor. Indoor fan motor delivers Staged Air Volume (SAV) fan speed control
- New Unit Control Board with intuitive quick fan speed adjustment
- Two sloped condensate pans on each unit for horizontal or vertical applications.
- 2 inch filters.
- Factory-installed fan motor and contactor.
- Easy maintenance -- removal of a single panel allows access to virtually all components.
- Single blower on 08 to 12 sizes.
- 24 volt terminal block for control wiring connections.
- Factory installed Staged Air Volume (SAV™) system with 2-speed indoor fan system
- Standard one-year warranty.
- Designed in accordance with Underwriters' Laboratories Standard UL 60335
- Listed by UL and CUL-Canada



COMMERCIAL SPLIT SYSTEMS
40RLS CHILLED WATER PACKAGED AIR-HANDLING UNITS,
12.5 – 30 Ton

The 40RLS units are compact chilled water packaged air-handling units offering the ultimate in installation ease and flexibility. 40RLS units range from 12.5 to 30 tons and can be installed in either the vertical or horizontal configuration with no modifications. Powerful fan systems allow easy adaptation to existing ductwork, heaters, hot water coils, or steam coils.



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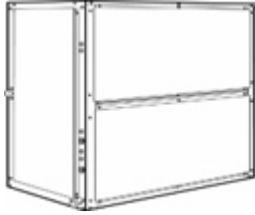
BASE UNIT STANDARD FEATURES:

-
- 2 inch filters.
- Powerful belt-driven forward curved fans.
- Factory-installed fan motor and contactor.
- Easy maintenance -- removal of a single panel allows access to virtually all components.
- Dual blower on 14 to 30 sizes.
- 24 volt terminal block for control wiring connections.
-
-
- Designed in accordance with Underwriters' Laboratories Standard UL 60335
-

Unit Report For 10 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM



Indoor Unit Parameters

Unit Model:.....**40RLS**
Unit Size:.....**10.0 Tons**
No. of Coils:.....**1**
Voltage:.....**230-3-60** V-Ph-Hz

System Parameter

System Quantity:.....**1**
Compressor Type:.....**N/A**

Indoor Unit Dimensions and Weight

Unit Length:.....**4' 1.0"**
Unit Width:.....**2' 4.2"**
Unit Height:.....**4' 8.1"**
Unit Weight:.....**391** lb

Warranty Information Outdoor (Note: for US & Canada only)

First Year - Parts Only (Standard)

Warranty Information Indoor (Note: for US & Canada only)

First Year - Parts Only (Standard)

Warranty Information (Note: for US & Canada only)

NOTE: Please see Warranty Catalog 808-218 for explanation of policies and ordering methods.

Ordering Information

Part Number	Description	Quantity
Base Unit - Indoor		
40RLSA12A2A5-UA0A0		1
	Base Unit	
	Standard/Medium Static (Ecoblue)	1
	Cabinet Paint - None	1
	Two Speed Direct Drive - EcoBlue Vane Axial Fan	1
	Electromechanical Unit Control Board	1
	Standard	1

Performance Summary For 10 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM

System: **40RLS012**
System Quantity: **1**
Altitude: **0.0** ft

Control Panel SCCR: 5kA RMS at Rated Symmetrical Voltage

Indoor Unit Parameters

PartNumber: **40RLSA12A2A5-UA0A0**
Unit Model: **40RLS**
Unit Size: **10.0 Tons**
No. of Splits: **1**
Voltage: **230-3-60** V-Ph-Hz
Actual Airflow: **4000.0** CFM
Total Clg Cap.(Gross): **129.3** MBH
Sensible Clg Cap.(Gross): **96.3** MBH
Ent Air DB: **80.0** °F
Ent Air WB: **67.0** °F
Ent Enthalpy: **31.44** BTU/lb
Lvg Air DB: **58.0** °F
Lvg Air WB: **56.8** °F
Lvg Enthalpy: **24.26** BTU/lb
Coil Bypass Factor: **0.108**
Fluid Flow Rate: **25.8** gpm
Ent Fluid Temp: **45.0** °F
Lvg Fluid Temp: **55.0** °F
Fluid Rise: **10.0** °F
Fluid PD: **4.7** ft wg
Fluid Type: **Fresh Water**
Fluid Conc: **0** %

Indoor Supply Fan

Indoor Unit External Static: **1.00** in wg
Economizer Loss: **0.00** in wg
Grille Loss: **0.00** in wg
Dehumidification Loss: **0.00** in wg
Plenum Loss: **0.00** in wg
Acc. Heating Loss: **0.00** in wg
Total Ext Static: **1.00** in wg
Fan Speed: **1630** RPM
Fan Power: **1.50** BHP
Fan Motor Max: **2.40** BHP
Fan Motor FLA: **5.8** Amps
Motor and Medium Static Drive Required.

Indoor Electrical Data

Unit Voltage: **230-3-60** V-Ph-Hz
Unit MCA: **8.0** Amps
Unit MOCP: **15.0** Amps
Notice: Indoor unit elect. data is based on 230-3-60

Acoustics

Sound Power Levels, db re 10E-12 Watts

A-Weighted	Outdoor Unit (dB)	Indoor Unit (dB,Ducted)
Total Level	NA	91.7
63Hz	NA	72.4
125Hz	NA	78.5
250Hz	NA	82.0

Performance Summary For 10 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM

500Hz	NA	86.4
1000Hz	NA	85.6
2000Hz	NA	84.8
4000Hz	NA	80.6
8000Hz	NA	NA
Sound Message	Sound for rls012	

Acoustic Note:

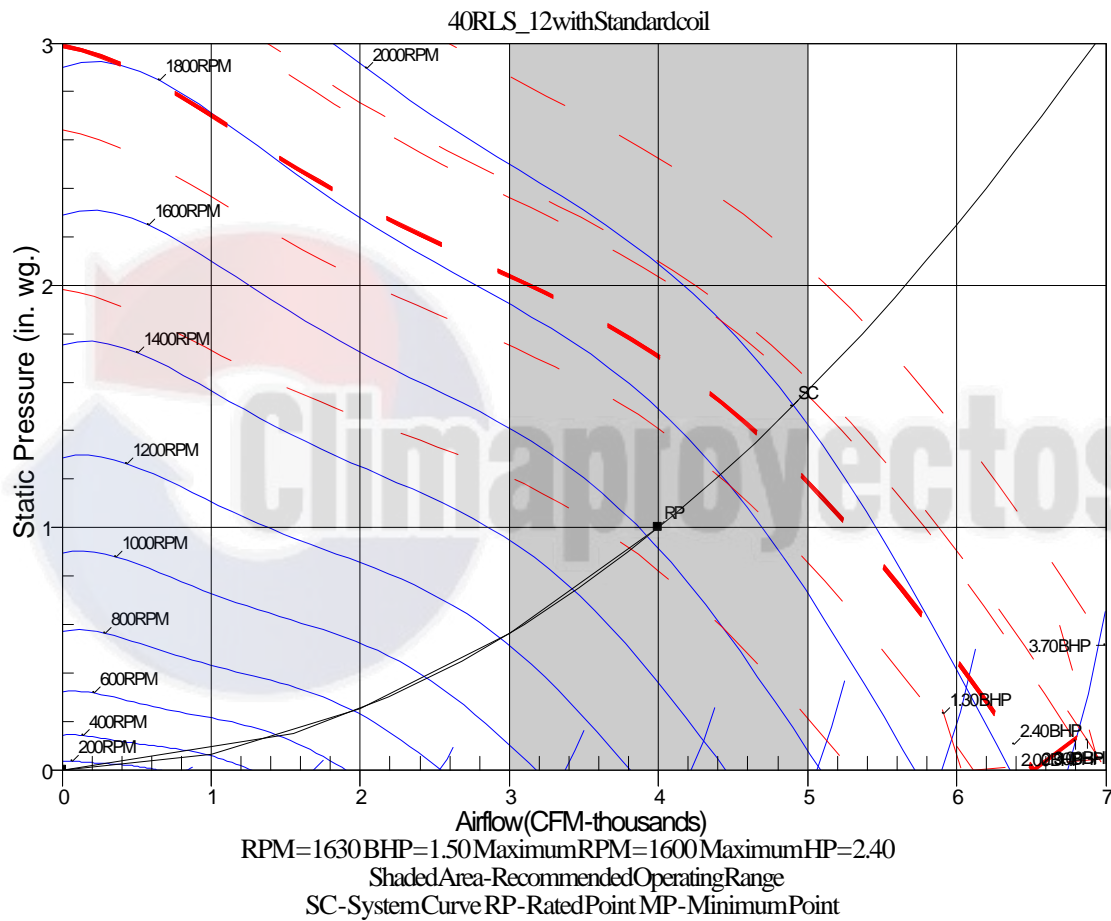
1. 40RF/40RL/40RU units sound ratings are in accordance with AHSRAE 1987 HVAC Systems and Applications handbook.
2. The acoustic center of the unit is located at the geometric center of the unit.



Performance Summary For 10 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM



Acoustic Summary For 10 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM

Acoustic Note:

1. Estimated Sound Power levels - dB re: 1 picowatt
2. Estimated Sound Pressure levels - dB re: 20 micropascal
3. Estimated sound levels given above are assumed to originate at the acoustic center of the unit. The acoustic center of the unit is located at the projection of the condensing unit's geometric center of its base.

4. Sound power levels shown above were determined in accordance with ARI standard 370 for large outdoor refrigeration and air conditioning equipment.

5. Calculation methods used in this program are patterned after the ASHRAE Guide; other ASHRAE Publications and the ARI Acoustical Standards. While a very significant effort has been made to insure the technical accuracy of this program, it is assumed that the user is knowledgeable in the art of system sound estimation and is aware of the tolerances involved in real world acoustical estimation. This program makes certain assumptions as to the dominant sound sources and sound paths which may not always be appropriate to the real system being estimated. Because of this, no assurances can be offered that this software will always generate an accurate sound prediction from user supplied input data. If in doubt about the estimation of expected sound levels in a space, an Acoustical Engineer or a person with sound prediction expertise should be consulted.

Indoor Unit Parameters:

Tag Name:.....10 TON 230V
Unit Model:.....40RLS
Unit Size:.....10.0 Tons
System Type:.....Chilled Water
External Static Pressure:.....1.00 in wg
Fan Speed:.....1630 RPM
Fan BHP:.....1.50 BHP

Detailed Acoustics Information

Octave Band Center Frequency, Hz	31	63	125	250	500	1k	2k	4k	8k	Total
Sound Power,dB	NA	99	95	91	90	86	84	80	NA	101
A-Weighted Sound Power, dBA	NA	72	79	82	86	86	85	81	NA	92

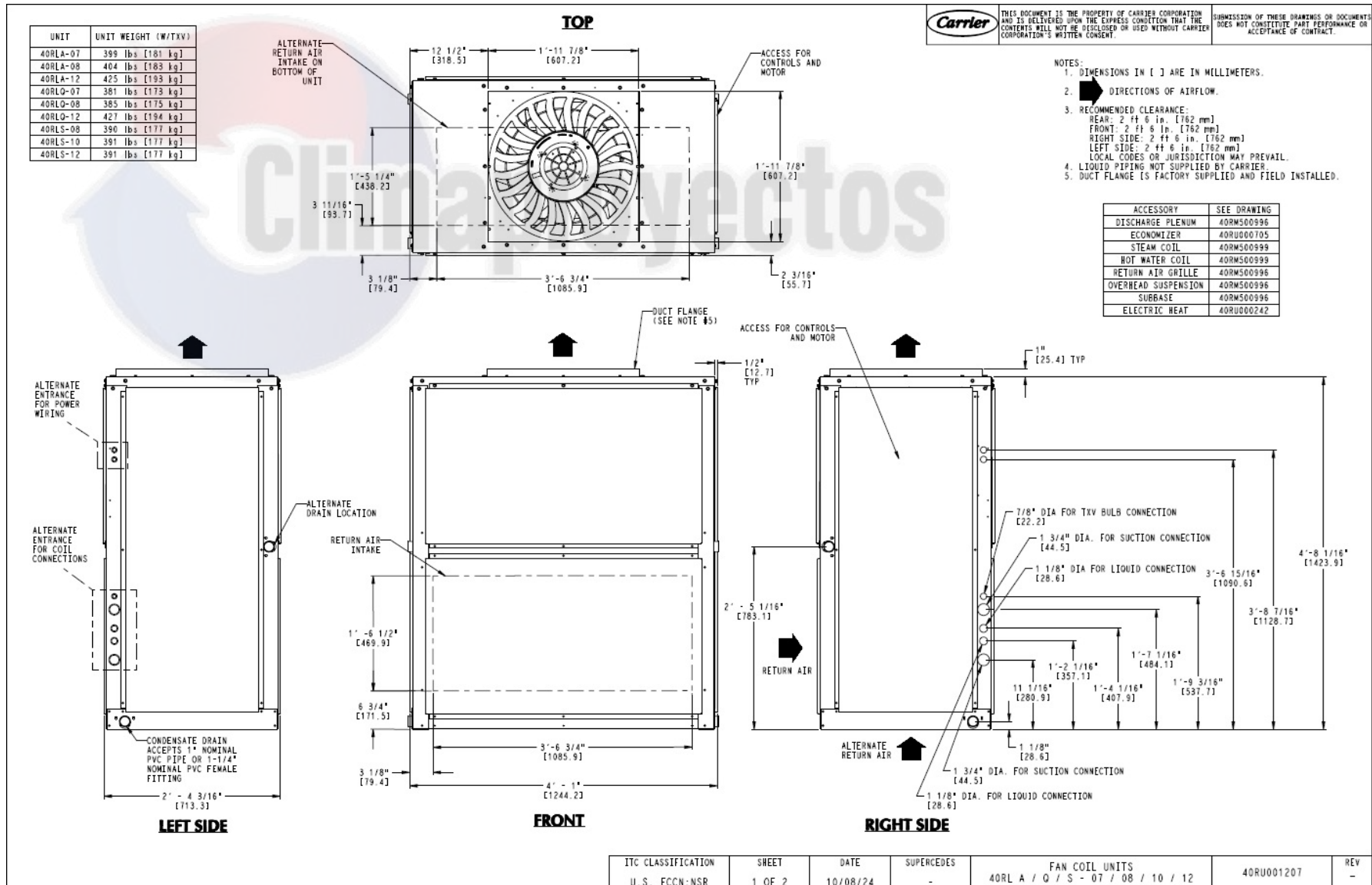
Acoustic Notes:

- 40RU units sound ratings are in accordance with AHSRAE 1987 HVAC Systems and Applications handbook.
- The acoustic center of the units is located at the geometric center of the unit.
- All estimated sound power levels, dB re 1 Picowatt should not be guaranteed or certified as being the actual sound power levels.

Certified Drawing for 10 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM





COMMERCIAL SPLIT SYSTEMS
40RLS CHILLED WATER PACKAGED AIR-HANDLING UNITS,
7.5 – 10 Ton

The 40RLS units are compact chilled water packaged air-handling units offering the ultimate in installation ease and flexibility. 40RLS units range from 7.5 to 10 tons and can be installed in either the vertical or horizontal configuration with no modifications. Powerful fan systems allow easy adaptation to existing ductwork, heaters, hot water coils, or steam coils.



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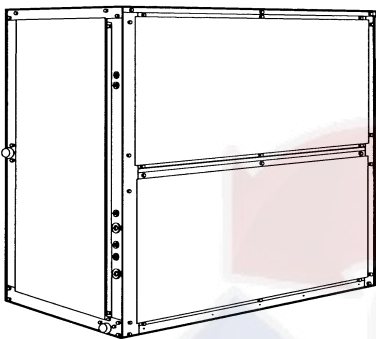
BASE UNIT STANDARD FEATURES:

- Direct Drive – EcoBlue™ Technology Indoor fan system uses Vane Axial fan design and electronically commutated motor. Indoor fan motor delivers Staged Air Volume (SAV) fan speed control
- New Unit Control Board with intuitive quick fan speed adjustment
- Two sloped condensate pans on each unit for horizontal or vertical applications.
- 2 inch filters.
- Factory-installed fan motor and contactor.
- Easy maintenance -- removal of a single panel allows access to virtually all components.
- Single blower on 08 to 12 sizes.
- 24 volt terminal block for control wiring connections.
- Factory installed Staged Air Volume (SAV™) system with 2-speed indoor fan system
- Standard one-year warranty.
- Designed in accordance with Underwriters' Laboratories Standard UL 60335
- Listed by UL and CUL-Canada



COMMERCIAL SPLIT SYSTEMS
40RLS CHILLED WATER PACKAGED AIR-HANDLING UNITS,
12.5 – 30 Ton

The 40RLS units are compact chilled water packaged air-handling units offering the ultimate in installation ease and flexibility. 40RLS units range from 12.5 to 30 tons and can be installed in either the vertical or horizontal configuration with no modifications. Powerful fan systems allow easy adaptation to existing ductwork, heaters, hot water coils, or steam coils.



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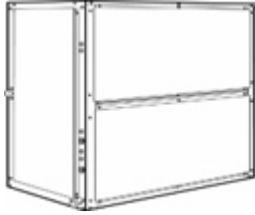
BASE UNIT STANDARD FEATURES:

-
- 2 inch filters.
- Powerful belt-driven forward curved fans.
- Factory-installed fan motor and contactor.
- Easy maintenance -- removal of a single panel allows access to virtually all components.
- Dual blower on 14 to 30 sizes.
- 24 volt terminal block for control wiring connections.
-
-
- Designed in accordance with Underwriters' Laboratories Standard UL 60335
-

Unit Report For 12.5 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM



Indoor Unit Parameters

Unit Model:.....**40RLS**
Unit Size:.....**12.5 Tons**
No. of Coils:.....**2**
Voltage:.....**230-3-60** V-Ph-Hz

System Parameter

System Quantity:.....**1**
Compressor Type:.....**N/A**

Indoor Unit Dimensions and Weight

Unit Length:.....**7' 5.0"**
Unit Width:.....**2' 4.2"**
Unit Height:.....**4' 8.1"**
Unit Weight:.....**661** lb

Warranty Information Outdoor (Note: for US & Canada only)

First Year - Parts Only (Standard)

Warranty Information Indoor (Note: for US & Canada only)

First Year - Parts Only (Standard)

Warranty Information (Note: for US & Canada only)

NOTE: Please see Warranty Catalog 808-218 for explanation of policies and ordering methods.

Ordering Information

Part Number	Description	Quantity
Base Unit - Indoor		
40RLSA14T2A5-UA0A0		1
	Base Unit	
	Std Static, Std Effy Motor/ Medium Drive	1
	Cabinet Paint - None	1
	2-Speed Fan Controller (VFD)	1
	Electromechanical Unit Control Board	1
	Standard	1

Performance Summary For 12.5 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM

System: 40RLS014
System Quantity: 1
Altitude: 0.0 ft

Control Panel SCCR: 5kA RMS at Rated Symmetrical Voltage

Indoor Unit Parameters

PartNumber: 40RLSA14T2A5-UA0A0
Unit Model: 40RLS
Unit Size: 12.5 Tons
No. of Splits: 2
Voltage: 230-3-60 V-Ph-Hz
Actual Airflow: 5000.0 CFM
Total Clg Cap.(Gross): 163.3 MBH
Sensible Clg Cap.(Gross): 119.7 MBH
Ent Air DB: 80.0 °F
Ent Air WB: 67.0 °F
Ent Enthalpy: 31.44 BTU/lb
Lvg Air DB: 58.1 °F
Lvg Air WB: 56.6 °F
Lvg Enthalpy: 24.18 BTU/lb
Coil Bypass Factor: 0.129
Fluid Flow Rate: 32.7 gpm
Ent Fluid Temp: 45.0 °F
Lvg Fluid Temp: 55.0 °F
Fluid Rise: 10.0 °F
Fluid PD: 6.2 ft wg
Fluid Type: Fresh Water
Fluid Conc: 0 %

Indoor Supply Fan

Indoor Unit External Static: 1.00 in wg
Economizer Loss: 0.00 in wg
Grille Loss: 0.00 in wg
Dehumidification Loss: 0.00 in wg
Plenum Loss: 0.00 in wg
Acc. Heating Loss: 0.00 in wg
Total Ext Static: 1.00 in wg
Fan Speed: 838 RPM
Fan Power: 2.47 BHP
Fan Motor Max: 2.90 BHP
Fan Motor FLA: 14.6 Amps
Motor and Medium Static Drive Required.

Indoor Electrical Data

Unit Voltage: 230-3-60 V-Ph-Hz
Unit MCA: 19.0 Amps
Unit MOCP: 30.0 Amps
Notice: Indoor unit elect. data is based on 230-3-60

Acoustics

Sound Power Levels, db re 10E-12 Watts

A-Weighted	Outdoor Unit (dB)	Indoor Unit (dB,Ducted)
Total Level	NA	91.1
63Hz	NA	71.1
125Hz	NA	77.2
250Hz	NA	80.7

Performance Summary For 12.5 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM

500Hz	NA	87.1
1000Hz	NA	84.3
2000Hz	NA	83.5
4000Hz	NA	79.3
8000Hz	NA	NA
Sound Message	Sound for rls014	

Acoustic Note:

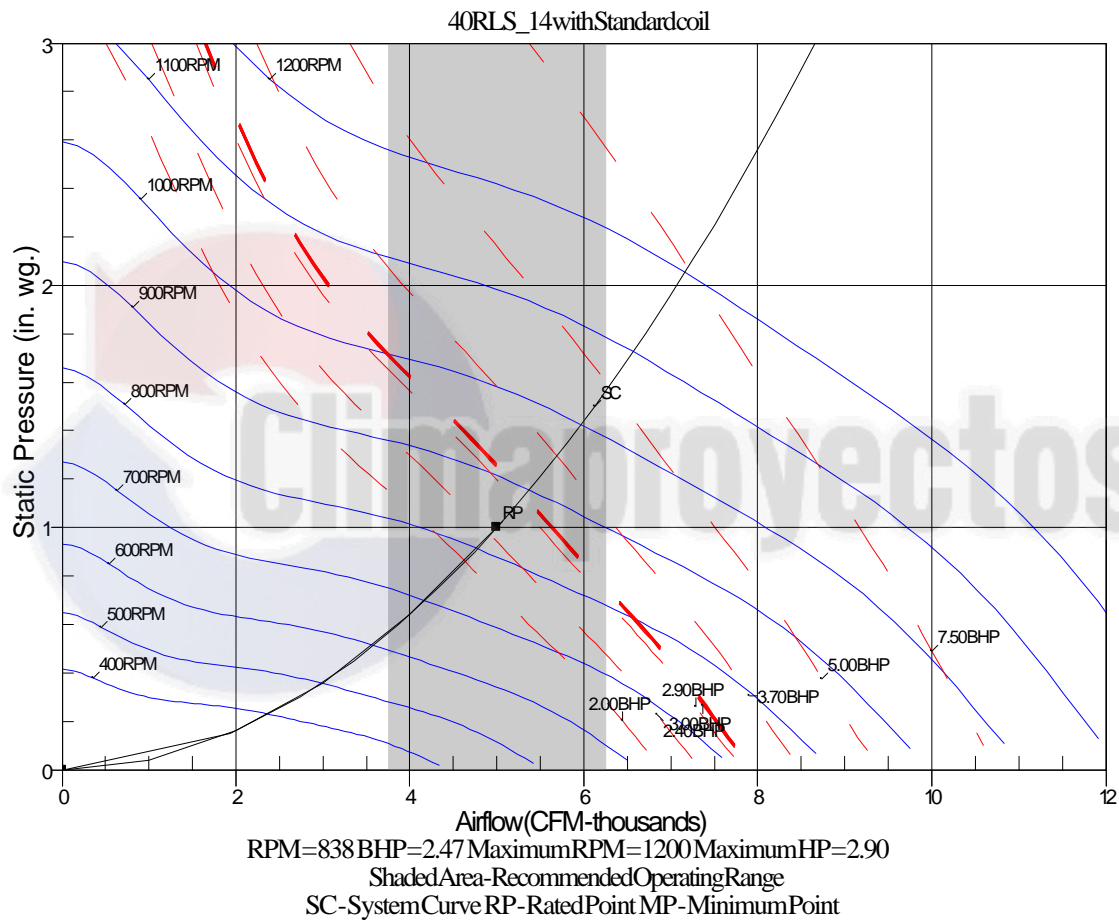
1. 40RF/40RL/40RU units sound ratings are in accordance with AHSRAE 1987 HVAC Systems and Applications handbook.
2. The acoustic center of the unit is located at the geometric center of the unit.



Performance Summary For 12.5 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM



Acoustic Summary For 12.5 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM

Acoustic Note:

1. Estimated Sound Power levels - dB re: 1 picowatt
2. Estimated Sound Pressure levels - dB re: 20 micropascal
3. Estimated sound levels given above are assumed to originate at the acoustic center of the unit. The acoustic center of the unit is located at the projection of the condensing unit's geometric center of its base.

4. Sound power levels shown above were determined in accordance with ARI standard 370 for large outdoor refrigeration and air conditioning equipment.

5. Calculation methods used in this program are patterned after the ASHRAE Guide; other ASHRAE Publications and the ARI Acoustical Standards. While a very significant effort has been made to insure the technical accuracy of this program, it is assumed that the user is knowledgeable in the art of system sound estimation and is aware of the tolerances involved in real world acoustical estimation. This program makes certain assumptions as to the dominant sound sources and sound paths which may not always be appropriate to the real system being estimated. Because of this, no assurances can be offered that this software will always generate an accurate sound prediction from user supplied input data. If in doubt about the estimation of expected sound levels in a space, an Acoustical Engineer or a person with sound prediction expertise should be consulted.

Indoor Unit Parameters:

Tag Name:.....12.5 TON 230V
Unit Model:.....40RLS
Unit Size:.....12.5 Tons
System Type:.....Chilled Water
External Static Pressure:.....1.00 in wg
Fan Speed:.....838 RPM
Fan BHP:.....2.47 BHP

Detailed Acoustics Information

Octave Band Center Frequency, Hz	31	63	125	250	500	1k	2k	4k	8k	Total
Sound Power,dB	NA	97	93	89	90	84	82	78	NA	100
A-Weighted Sound Power, dBA	NA	71	77	81	87	84	84	79	NA	91

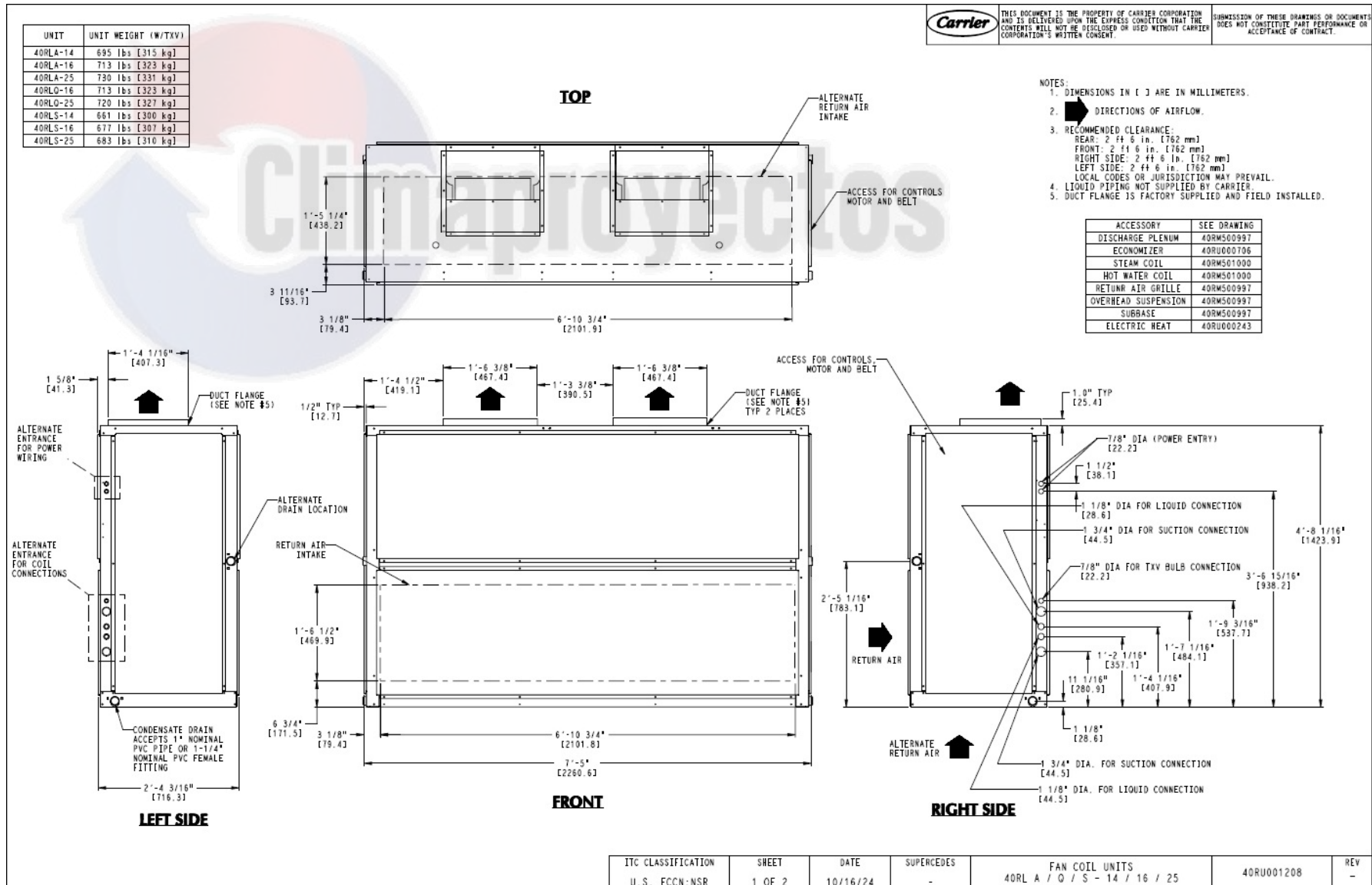
Acoustic Notes:

- 40RU units sound ratings are in accordance with AHSRAE 1987 HVAC Systems and Applications handbook.
- The acoustic center of the units is located at the geometric center of the unit.
- All estimated sound power levels, dB re 1 Picowatt should not be guaranteed or certified as being the actual sound power levels.

Certified Drawing for 12.5 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM





COMMERCIAL SPLIT SYSTEMS
40RLS CHILLED WATER PACKAGED AIR-HANDLING UNITS,
7.5 – 10 Ton

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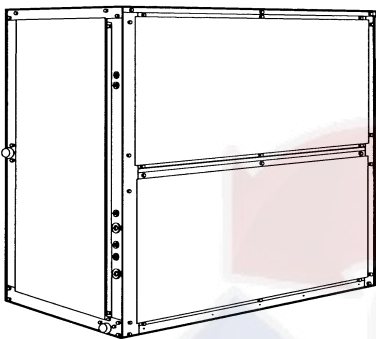
BASE UNIT STANDARD FEATURES:

- Direct Drive – EcoBlue™ Technology Indoor fan system uses Vane Axial fan design and electronically commutated motor. Indoor fan motor delivers Staged Air Volume (SAV) fan speed control
- New Unit Control Board with intuitive quick fan speed adjustment
- Two sloped condensate pans on each unit for horizontal or vertical applications.
- 2 inch filters.
- Factory-installed fan motor and contactor.
- Easy maintenance -- removal of a single panel allows access to virtually all components.
- Single blower on 08 to 12 sizes.
- 24 volt terminal block for control wiring connections.
- Factory installed Staged Air Volume (SAV™) system with 2-speed indoor fan system
- Standard one-year warranty.
- Designed in accordance with Underwriters' Laboratories Standard UL 60335
- Listed by UL and CUL-Canada



COMMERCIAL SPLIT SYSTEMS
40RLS CHILLED WATER PACKAGED AIR-HANDLING UNITS,
12.5 – 30 Ton

The 40RLS units are compact chilled water packaged air-handling units offering the ultimate in installation ease and flexibility. 40RLS units range from 12.5 to 30 tons and can be installed in either the vertical or horizontal configuration with no modifications. Powerful fan systems allow easy adaptation to existing ductwork, heaters, hot water coils, or steam coils.



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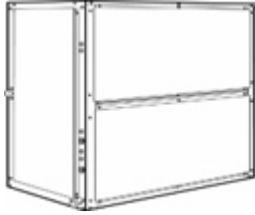
BASE UNIT STANDARD FEATURES:

-
- 2 inch filters.
- Powerful belt-driven forward curved fans.
- Factory-installed fan motor and contactor.
- Easy maintenance -- removal of a single panel allows access to virtually all components.
- Dual blower on 14 to 30 sizes.
- 24 volt terminal block for control wiring connections.
-
-
- Designed in accordance with Underwriters' Laboratories Standard UL 60335
-

Unit Report For 15 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM



Indoor Unit Parameters

Unit Model:.....**40RLS**
Unit Size:.....**15 Tons**
No. of Coils:.....**2**
Voltage:.....**230-3-60** V-Ph-Hz

System Parameter

System Quantity:.....**1**
Compressor Type:.....**N/A**

Indoor Unit Dimensions and Weight

Unit Length:.....**7' 5.0"**
Unit Width:.....**2' 4.2"**
Unit Height:.....**4' 8.1"**
Unit Weight:.....**677** lb

Warranty Information Outdoor (Note: for US & Canada only)

First Year - Parts Only (Standard)

Warranty Information Indoor (Note: for US & Canada only)

First Year - Parts Only (Standard)

Warranty Information (Note: for US & Canada only)

NOTE: Please see Warranty Catalog 808-218 for explanation of policies and ordering methods.

Ordering Information

Part Number	Description	Quantity
Base Unit - Indoor		
40RLSA16T2A5-UA0A0		1
	Base Unit	
	Std Static, Std Effy Motor/ Medium Drive	1
	Cabinet Paint - None	1
	2-Speed Fan Controller (VFD)	1
	Electromechanical Unit Control Board	1
	Standard	1

Performance Summary For 15 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM

System: **40RLS016**
System Quantity: **1**
Altitude: **0.0** ft

Control Panel SCCR: 5kA RMS at Rated Symmetrical Voltage

Indoor Unit Parameters

PartNumber: **40RLSA16T2A5-UA0A0**
Unit Model: **40RLS**
Unit Size: **15 Tons**
No. of Splits: **2**
Voltage: **230-3-60** V-Ph-Hz
Actual Airflow: **6000.0** CFM
Total Clg Cap.(Gross): **196.0** MBH
Sensible Clg Cap.(Gross): **143.6** MBH
Ent Air DB: **80.0** °F
Ent Air WB: **67.0** °F
Ent Enthalpy: **31.44** BTU/lb
Lvg Air DB: **58.1** °F
Lvg Air WB: **56.6** °F
Lvg Enthalpy: **24.18** BTU/lb
Coil Bypass Factor: **0.129**
Fluid Flow Rate: **39.2** gpm
Ent Fluid Temp: **45.0** °F
Lvg Fluid Temp: **55.0** °F
Fluid Rise: **10.0** °F
Fluid PD: **6.2** ft wg
Fluid Type: **Fresh Water**
Fluid Conc: **0** %

Indoor Supply Fan

Indoor Unit External Static: **1.00** in wg
Economizer Loss: **0.00** in wg
Grille Loss: **0.00** in wg
Dehumidification Loss: **0.00** in wg
Plenum Loss: **0.00** in wg
Acc. Heating Loss: **0.00** in wg
Total Ext Static: **1.00** in wg
Fan Speed: **855** RPM
Fan Power: **3.00** BHP
Fan Motor Max: **3.70** BHP
Fan Motor FLA: **16.7** Amps
 Motor and Medium Static Drive Required.

Indoor Electrical Data

Unit Voltage: **230-3-60** V-Ph-Hz
Unit MCA: **21.0** Amps
Unit MOCP: **35.0** Amps
 Notice: Indoor unit elect. data is based on 230-3-60

Acoustics

Sound Power Levels, db re 10E-12 Watts

A-Weighted	Outdoor Unit (dB)	Indoor Unit (dB,Ducted)
Total Level	NA	92.7
63Hz	NA	72.7
125Hz	NA	78.8
250Hz	NA	82.3

Performance Summary For 15 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM

500Hz	NA	88.7
1000Hz	NA	85.9
2000Hz	NA	85.1
4000Hz	NA	80.9
8000Hz	NA	NA
Sound Message	Sound for rls016	

Acoustic Note:

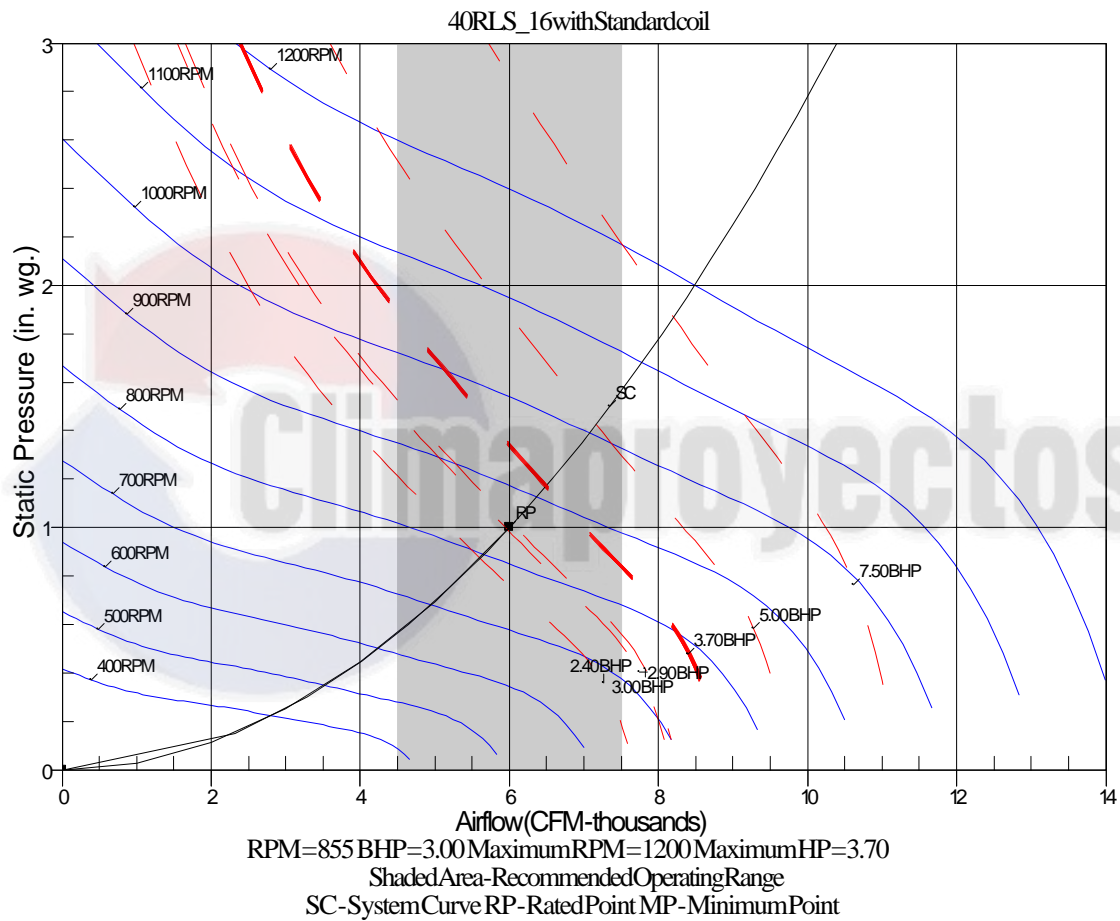
1. 40RF/40RL/40RU units sound ratings are in accordance with AHSRAE 1987 HVAC Systems and Applications handbook.
2. The acoustic center of the unit is located at the geometric center of the unit.



Performance Summary For 15 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM



Acoustic Summary For 15 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM

Acoustic Note:

1. Estimated Sound Power levels - dB re: 1 picowatt
2. Estimated Sound Pressure levels - dB re: 20 micropascal
3. Estimated sound levels given above are assumed to originate at the acoustic center of the unit. The acoustic center of the unit is located at the projection of the condensing unit's geometric center of its base.

4. Sound power levels shown above were determined in accordance with ARI standard 370 for large outdoor refrigeration and air conditioning equipment.

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Indoor Unit Parameters:

Tag Name:.....15 TON 230V
Unit Model:.....40RLS
Unit Size:.....15 Tons
System Type:.....Chilled Water
External Static Pressure:.....1.00 in wg
Fan Speed:.....855 RPM
Fan BHP:.....3.00 BHP

Detailed Acoustics Information

Octave Band Center Frequency, Hz	31	63	125	250	500	1k	2k	4k	8k	Total
Sound Power,dB	NA	99	95	91	92	86	84	80	NA	102
A-Weighted Sound Power, dBA	NA	73	79	82	89	86	85	81	NA	93

Acoustic Notes:

- 40RU units sound ratings are in accordance with AHSRAE 1987 HVAC Systems and Applications handbook.
- The acoustic center of the units is located at the geometric center of the unit.
- All estimated sound power levels, dB re 1 Picowatt should not be guaranteed or certified as being the actual sound power levels.

Certified Drawing for 15 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM

UNIT	UNIT WEIGHT (W/TXV)
40RLA-14	695 lbs [315 kg]
40RLA-16	713 lbs [323 kg]
40RLA-25	730 lbs [331 kg]
40RLQ-16	713 lbs [323 kg]
40RLQ-25	720 lbs [327 kg]
40RLS-14	661 lbs [300 kg]
40RLS-16	677 lbs [307 kg]
40RLS-25	683 lbs [310 kg]

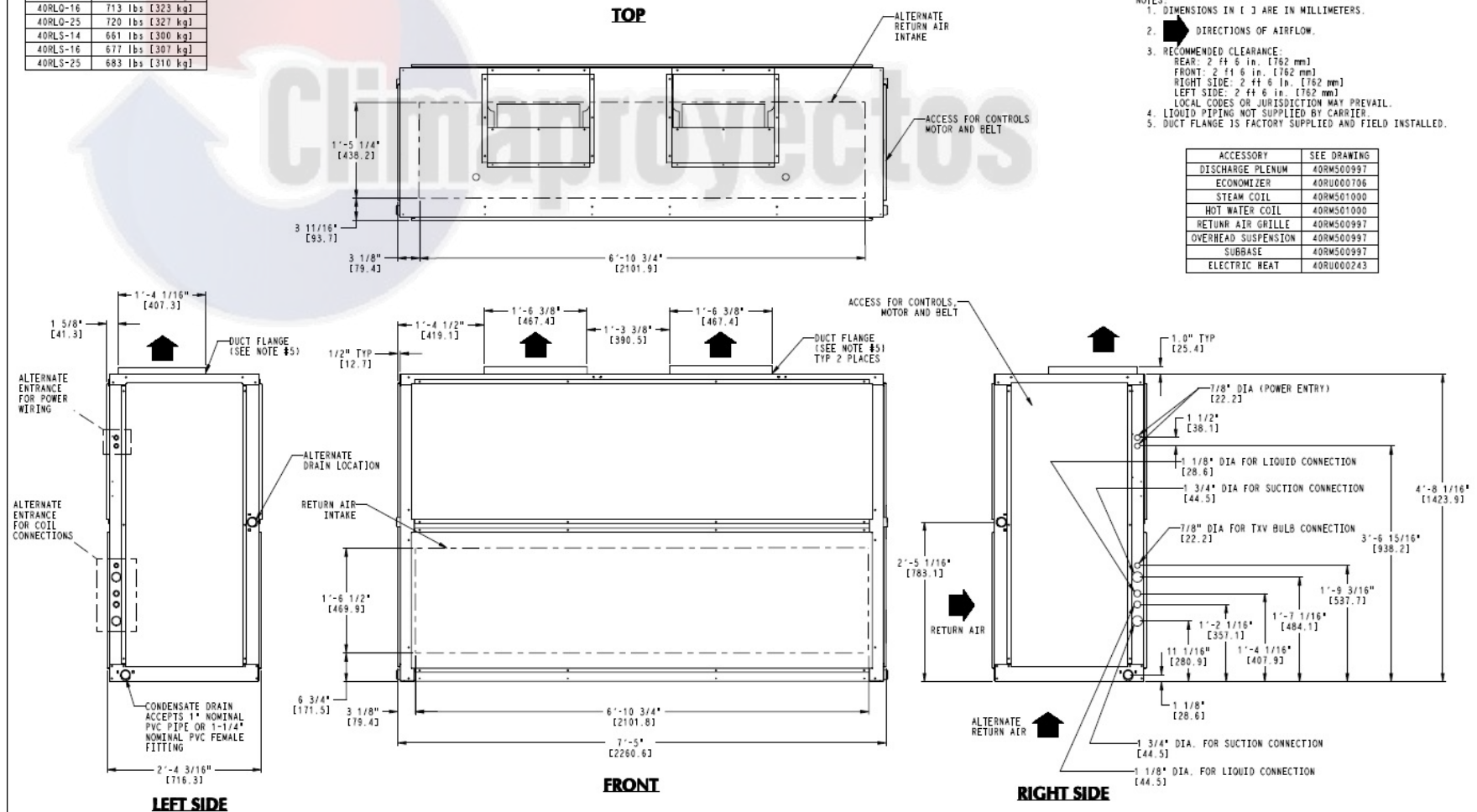


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 3. RECOMMENDED CLEARANCE:
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HOT WATER COIL	40RM501000
RETURN AIR GRILLE	40RM500997
OVERHEAD SUSPENSION	40RM500997
SUBBASE	40RM500997
ELECTRIC HEAT	40RU000243



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COMMERCIAL SPLIT SYSTEMS
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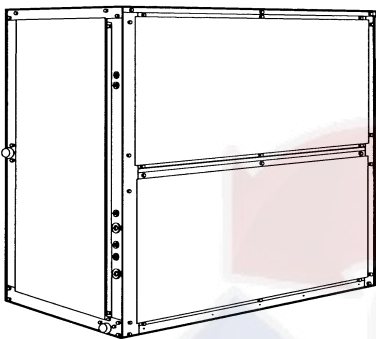
BASE UNIT STANDARD FEATURES:

- Direct Drive – EcoBlue™ Technology Indoor fan system uses Vane Axial fan design and electronically commutated motor. Indoor fan motor delivers Staged Air Volume (SAV) fan speed control
- New Unit Control Board with intuitive quick fan speed adjustment
- Two sloped condensate pans on each unit for horizontal or vertical applications.
- 2 inch filters.
- Factory-installed fan motor and contactor.
- Easy maintenance -- removal of a single panel allows access to virtually all components.
- Single blower on 08 to 12 sizes.
- 24 volt terminal block for control wiring connections.
- Factory installed Staged Air Volume (SAV™) system with 2-speed indoor fan system
- Standard one-year warranty.
- Designed in accordance with Underwriters' Laboratories Standard UL 60335
- Listed by UL and CUL-Canada



COMMERCIAL SPLIT SYSTEMS
40RLS CHILLED WATER PACKAGED AIR-HANDLING UNITS,
12.5 – 30 Ton

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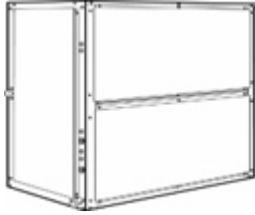
BASE UNIT STANDARD FEATURES:

-
- 2 inch filters.
- Powerful belt-driven forward curved fans.
- Factory-installed fan motor and contactor.
- Easy maintenance -- removal of a single panel allows access to virtually all components.
- Dual blower on 14 to 30 sizes.
- 24 volt terminal block for control wiring connections.
-
-
- Designed in accordance with Underwriters' Laboratories Standard UL 60335
-

Unit Report For 20 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM



Indoor Unit Parameters

Unit Model:.....**40RLS**
Unit Size:.....**20 Tons**
No. of Coils:.....**2**
Voltage:.....**230-3-60** V-Ph-Hz

System Parameter

System Quantity:.....**1**
Compressor Type:.....**N/A**

Indoor Unit Dimensions and Weight

Unit Length:.....**7' 5.0"**
Unit Width:.....**2' 4.2"**
Unit Height:.....**4' 8.1"**
Unit Weight:.....**683** lb

Warranty Information Outdoor (Note: for US & Canada only)

First Year - Parts Only (Standard)

Warranty Information Indoor (Note: for US & Canada only)

First Year - Parts Only (Standard)

Warranty Information (Note: for US & Canada only)

NOTE: Please see Warranty Catalog 808-218 for explanation of policies and ordering methods.

Ordering Information

Part Number	Description	Quantity
Base Unit - Indoor		
40RLSA25T2A5-UA0A0		1
	Base Unit	
	Std Static, Std Effy Motor/ Medium Drive	1
	Cabinet Paint - None	1
	2-Speed Fan Controller (VFD)	1
	Electromechanical Unit Control Board	1
	Standard	1

Performance Summary For 20 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM

System: **40RLS025**
System Quantity: **1**
Altitude: **0.0** ft

Control Panel SCCR: 5kA RMS at Rated Symmetrical Voltage

Indoor Unit Parameters

PartNumber: **40RLSA25T2A5-UA0A0**
Unit Model: **40RLS**
Unit Size: **20 Tons**
No. of Splits: **2**
Voltage: **230-3-60** V-Ph-Hz
Actual Airflow: **8000.0** CFM
Total Clg Cap.(Gross): **255.3** MBH
Sensible Clg Cap.(Gross): **187.2** MBH
Ent Air DB: **80.0** °F
Ent Air WB: **67.0** °F
Ent Enthalpy: **31.44** BTU/lb
Lvg Air DB: **58.6** °F
Lvg Air WB: **56.9** °F
Lvg Enthalpy: **24.35** BTU/lb
Coil Bypass Factor: **0.148**
Fluid Flow Rate: **51.0** gpm
Ent Fluid Temp: **45.0** °F
Lvg Fluid Temp: **55.0** °F
Fluid Rise: **10.0** °F
Fluid PD: **8.5** ft wg
Fluid Type: **Fresh Water**
Fluid Conc: **0** %

Indoor Supply Fan

Indoor Unit External Static: **1.00** in wg
Economizer Loss: **0.00** in wg
Grille Loss: **0.00** in wg
Dehumidification Loss: **0.00** in wg
Plenum Loss: **0.00** in wg
Acc. Heating Loss: **0.00** in wg
Total Ext Static: **1.00** in wg
Fan Speed: **930** RPM
Fan Power: **4.70** BHP
Fan Motor Max: **5.00** BHP
Fan Motor FLA: **24.2** Amps
 Motor and Medium Static Drive Required.

Indoor Electrical Data

Unit Voltage: **230-3-60** V-Ph-Hz
Unit MCA: **31.0** Amps
Unit MOCP: **50.0** Amps
 Notice: Indoor unit elect. data is based on 230-3-60

Acoustics

Sound Power Levels, db re 10E-12 Watts

A-Weighted	Outdoor Unit (dB)	Indoor Unit (dB,Ducted)
Total Level	NA	96.4
63Hz	NA	76.4
125Hz	NA	82.5
250Hz	NA	86.0

Performance Summary For 20 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM

500Hz	NA	92.4
1000Hz	NA	89.6
2000Hz	NA	88.8
4000Hz	NA	84.6
8000Hz	NA	NA
Sound Message	Sound for rls025	

Acoustic Note:

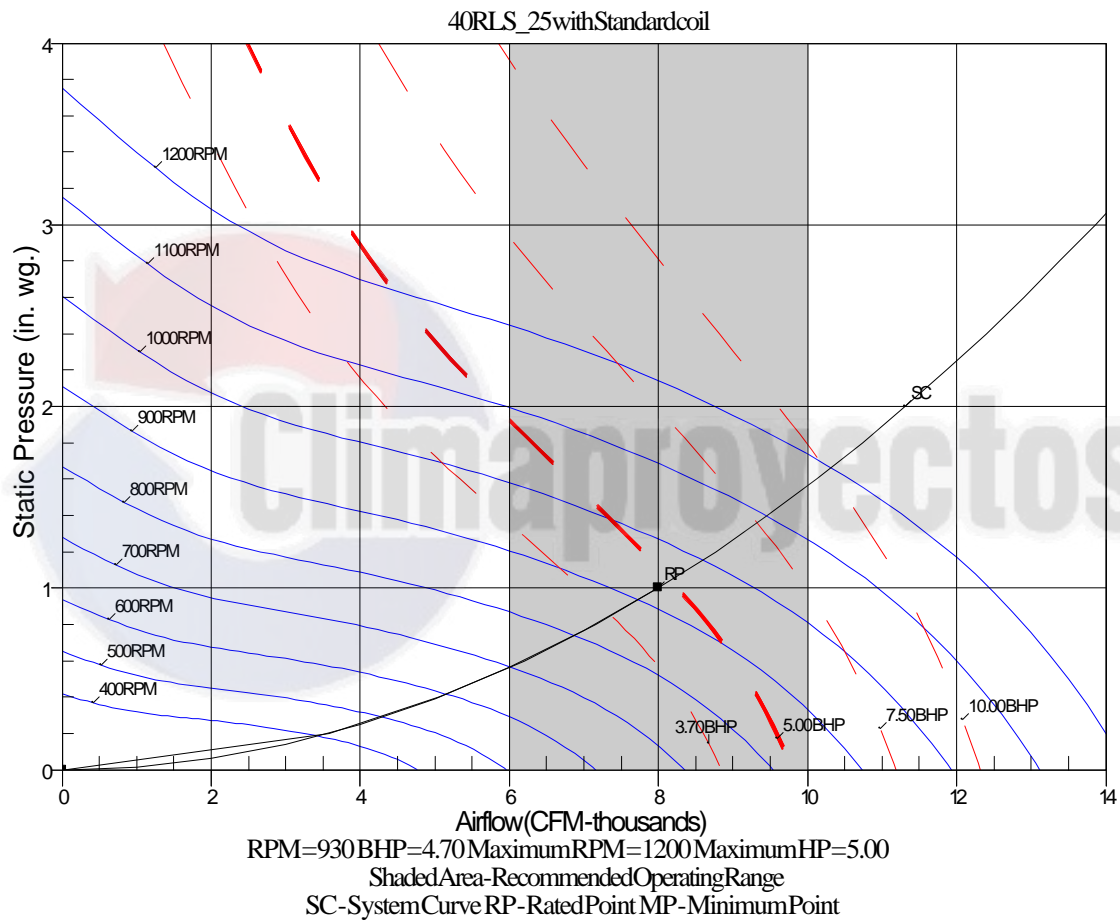
1. 40RF/40RL/40RU units sound ratings are in accordance with AHSRAE 1987 HVAC Systems and Applications handbook.
2. The acoustic center of the unit is located at the geometric center of the unit.



Performance Summary For 20 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM



Acoustic Summary For 20 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM

Acoustic Note:

1. Estimated Sound Power levels - dB re: 1 picowatt
2. Estimated Sound Pressure levels - dB re: 20 micropascal
3. Estimated sound levels given above are assumed to originate at the acoustic center of the unit. The acoustic center of the unit is located at the projection of the condensing unit's geometric center of its base.

4. Sound power levels shown above were determined in accordance with ARI standard 370 for large outdoor refrigeration and air conditioning equipment.

5. Calculation methods used in this program are patterned after the ASHRAE Guide; other ASHRAE Publications and the ARI Acoustical Standards. While a very significant effort has been made to insure the technical accuracy of this program, it is assumed that the user is knowledgeable in the art of system sound estimation and is aware of the tolerances involved in real world acoustical estimation. This program makes certain assumptions as to the dominant sound sources and sound paths which may not always be appropriate to the real system being estimated. Because of this, no assurances can be offered that this software will always generate an accurate sound prediction from user supplied input data. If in doubt about the estimation of expected sound levels in a space, an Acoustical Engineer or a person with sound prediction expertise should be consulted.

Indoor Unit Parameters:

Tag Name:..... **20 TON 230V**
Unit Model:..... **40RLS**
Unit Size:..... **20 Tons**
System Type:..... **Chilled Water**
External Static Pressure:..... **1.00** in wg
Fan Speed:..... **930** RPM
Fan BHP:..... **4.70** BHP

Detailed Acoustics Information

Octave Band Center Frequency, Hz	31	63	125	250	500	1k	2k	4k	8k	Total
Sound Power,dB	NA	103	99	95	96	90	88	84	NA	105
A-Weighted Sound Power, dBA	NA	76	83	86	92	90	89	85	NA	96

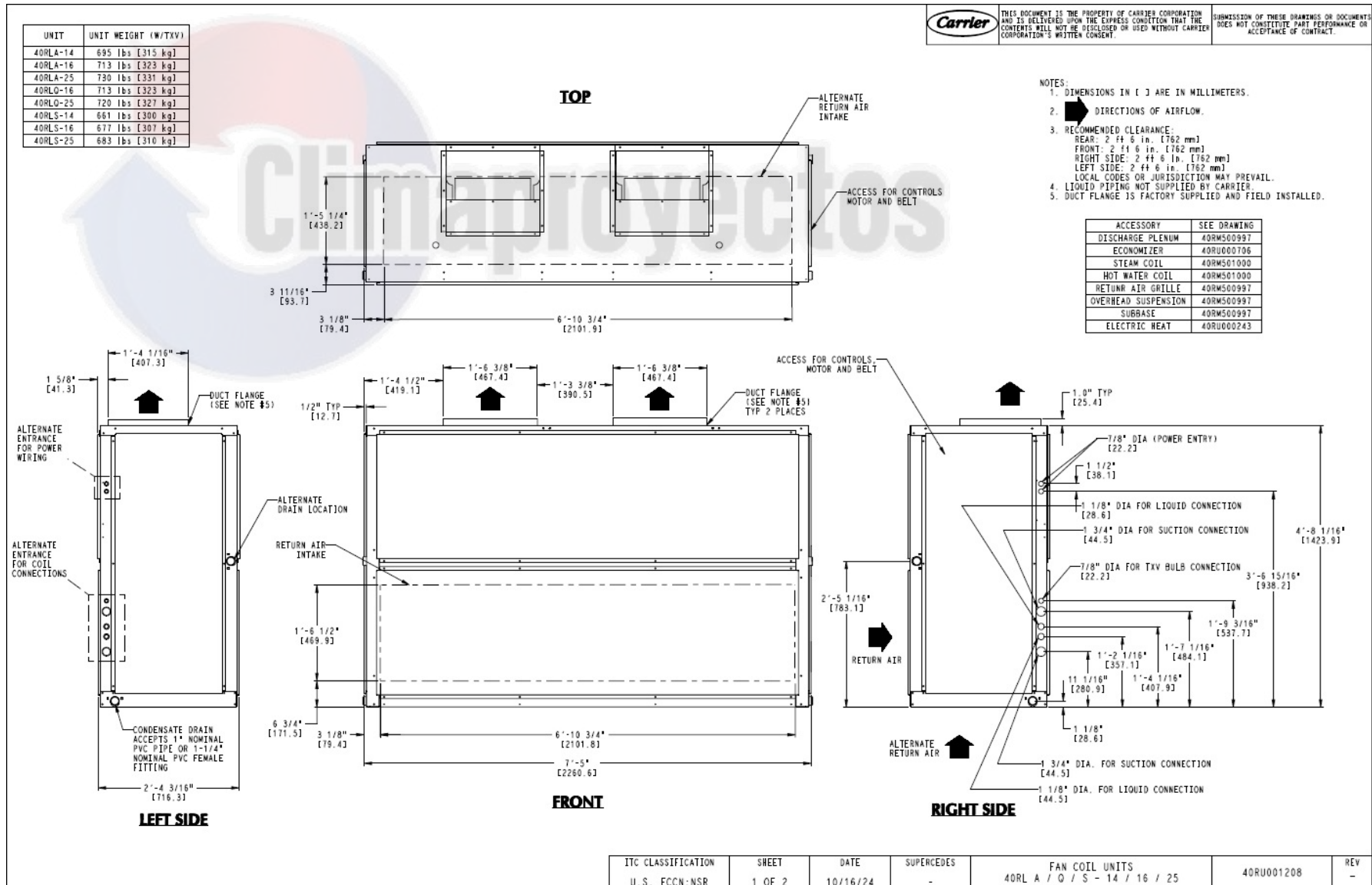
Acoustic Notes:

- 40RU units sound ratings are in accordance with AHSRAE 1987 HVAC Systems and Applications handbook.
- The acoustic center of the units is located at the geometric center of the unit.
- All estimated sound power levels, dB re 1 Picowatt should not be guaranteed or certified as being the actual sound power levels.

Certified Drawing for 20 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM





COMMERCIAL SPLIT SYSTEMS
40RLS CHILLED WATER PACKAGED AIR-HANDLING UNITS,
7.5 – 10 Ton

The 40RLS units are compact chilled water packaged air-handling units offering the ultimate in installation ease and flexibility. 40RLS units range from 7.5 to 10 tons and can be installed in either the vertical or horizontal configuration with no modifications. Powerful fan systems allow easy adaptation to existing ductwork, heaters, hot water coils, or steam coils.



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of certification for individual
products, go to
www.ahridirectory.org.

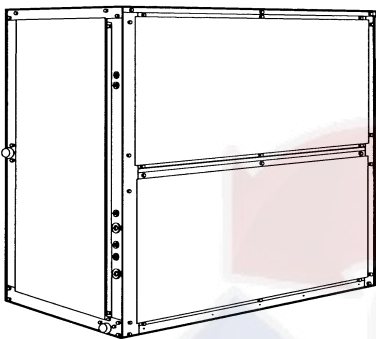
BASE UNIT STANDARD FEATURES:

- Direct Drive – EcoBlue™ Technology Indoor fan system uses Vane Axial fan design and electronically commutated motor. Indoor fan motor delivers Staged Air Volume (SAV) fan speed control
- New Unit Control Board with intuitive quick fan speed adjustment
- Two sloped condensate pans on each unit for horizontal or vertical applications.
- 2 inch filters.
- Factory-installed fan motor and contactor.
- Easy maintenance -- removal of a single panel allows access to virtually all components.
- Single blower on 08 to 12 sizes.
- 24 volt terminal block for control wiring connections.
- Factory installed Staged Air Volume (SAV™) system with 2-speed indoor fan system
- Standard one-year warranty.
- Designed in accordance with Underwriters' Laboratories Standard UL 60335
- Listed by UL and CUL-Canada



COMMERCIAL SPLIT SYSTEMS
40RLS CHILLED WATER PACKAGED AIR-HANDLING UNITS,
12.5 – 30 Ton

The 40RLS units are compact chilled water packaged air-handling units offering the ultimate in installation ease and flexibility. 40RLS units range from 12.5 to 30 tons and can be installed in either the vertical or horizontal configuration with no modifications. Powerful fan systems allow easy adaptation to existing ductwork, heaters, hot water coils, or steam coils.



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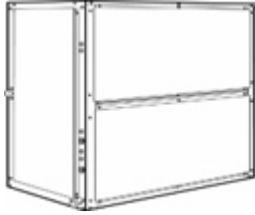
BASE UNIT STANDARD FEATURES:

-
- 2 inch filters.
- Powerful belt-driven forward curved fans.
- Factory-installed fan motor and contactor.
- Easy maintenance -- removal of a single panel allows access to virtually all components.
- Dual blower on 14 to 30 sizes.
- 24 volt terminal block for control wiring connections.
-
-
- Designed in accordance with Underwriters' Laboratories Standard UL 60335
-

Unit Report For 25 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM



Indoor Unit Parameters

Unit Model:.....**40RLS**
Unit Size:.....**25 Tons**
No. of Coils:.....**2**
Voltage:.....**230-3-60** V-Ph-Hz

System Parameter

System Quantity:.....**1**
Compressor Type:.....**N/A**

Indoor Unit Dimensions and Weight

Unit Length:.....**8' 4.5"**
Unit Width:.....**2' 8.6"**
Unit Height:.....**5' 6.6"**
Unit Weight:.....**1008** lb

Warranty Information Outdoor (Note: for US & Canada only)

First Year - Parts Only (Standard)

Warranty Information Indoor (Note: for US & Canada only)

First Year - Parts Only (Standard)

Warranty Information (Note: for US & Canada only)

NOTE: Please see Warranty Catalog 808-218 for explanation of policies and ordering methods.

Ordering Information

Part Number	Description	Quantity
Base Unit - Indoor		
40RLSA28T1A5-UA0A0		1
	Base Unit	
	Std Static, High Efficient Motor / Std Drive	1
	Cabinet Paint - None	1
	2-Speed Fan Controller (VFD)	1
	Electromechanical Unit Control Board	1
	Standard	1

Performance Summary For 25 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM

System: **40RLS028**
System Quantity: **1**
Altitude: **0.0** ft

Control Panel SCCR: 5kA RMS at Rated Symmetrical Voltage

Indoor Unit Parameters

PartNumber: **40RLSA28T1A5-UA0A0**
Unit Model: **40RLS**
Unit Size: **25 Tons**
No. of Splits: **2**
Voltage: **230-3-60** V-Ph-Hz
Actual Airflow: **10000.0** CFM
Total Clg Cap.(Gross): **300.1** MBH
Sensible Clg Cap.(Gross): **222.1** MBH
Ent Air DB: **80.0** °F
Ent Air WB: **67.0** °F
Ent Enthalpy: **31.44** BTU/lb
Lvg Air DB: **59.7** °F
Lvg Air WB: **57.6** °F
Lvg Enthalpy: **24.77** BTU/lb
Coil Bypass Factor: **0.183**
Fluid Flow Rate: **60.0** gpm
Ent Fluid Temp: **45.0** °F
Lvg Fluid Temp: **55.0** °F
Fluid Rise: **10.0** °F
Fluid PD: **7.8** ft wg
Fluid Type: **Fresh Water**
Fluid Conc: **0** %

Indoor Supply Fan

Indoor Unit External Static: **1.00** in wg
Economizer Loss: **0.00** in wg
Grille Loss: **0.00** in wg
Dehumidification Loss: **0.00** in wg
Plenum Loss: **0.00** in wg
Acc. Heating Loss: **0.00** in wg
Total Ext Static: **1.00** in wg
Fan Speed: **812** RPM
Fan Power: **5.15** BHP
Fan Motor Max: **7.50** BHP
Fan Motor FLA: **24.2** Amps
Motor and Standard Drive Required.

Indoor Electrical Data

Unit Voltage: **230-3-60** V-Ph-Hz
Unit MCA: **31.0** Amps
Unit MOCP: **50.0** Amps
Notice: Indoor unit elect. data is based on 230-3-60

Acoustics

Sound Power Levels, db re 10E-12 Watts

A-Weighted	Outdoor Unit (dB)	Indoor Unit (dB,Ducted)
Total Level	NA	96.3
63Hz	NA	76.3
125Hz	NA	82.4
250Hz	NA	85.9

Performance Summary For 25 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM

500Hz	NA	92.3
1000Hz	NA	89.5
2000Hz	NA	88.7
4000Hz	NA	84.5
8000Hz	NA	NA
Sound Message	Sound for rls028	

Acoustic Note:

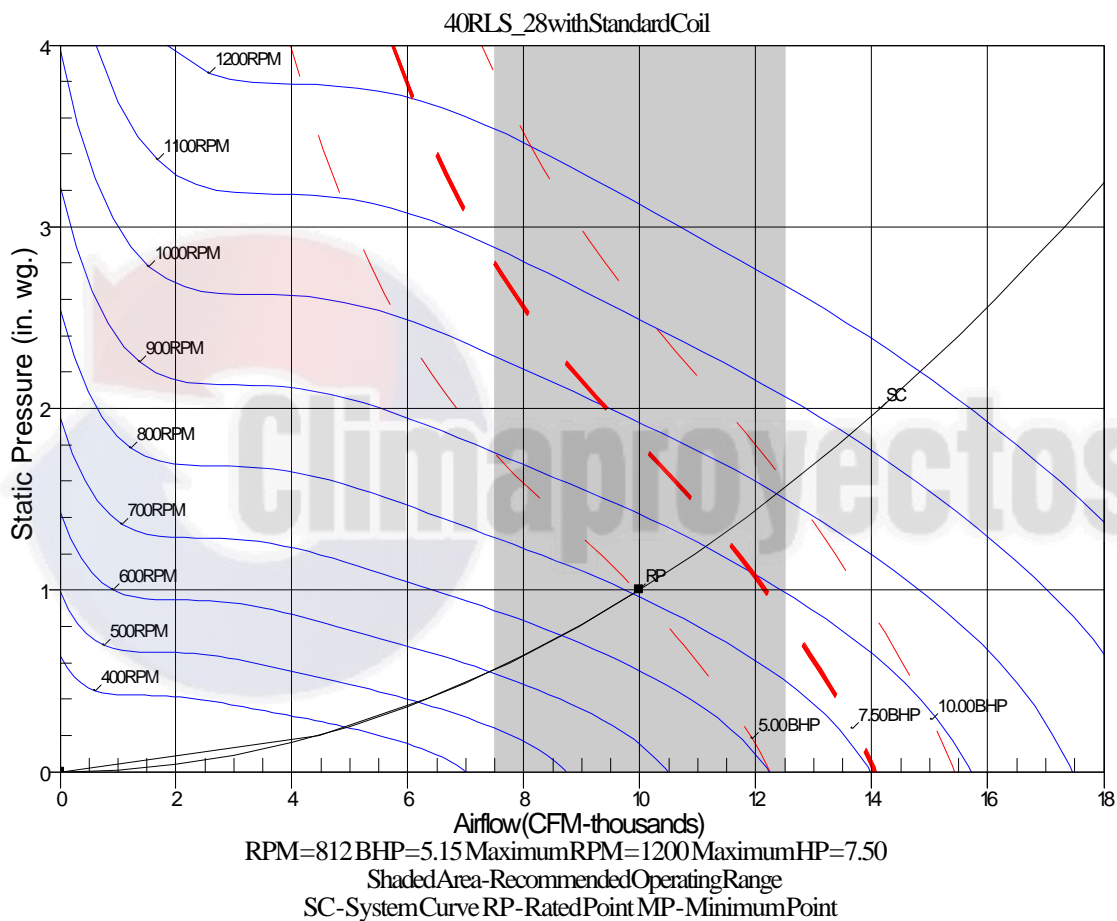
1. 40RF/40RL/40RU units sound ratings are in accordance with AHSRAE 1987 HVAC Systems and Applications handbook.
2. The acoustic center of the unit is located at the geometric center of the unit.



Performance Summary For 25 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM



Acoustic Summary For 25 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM

Acoustic Note:

1. Estimated Sound Power levels - dB re: 1 picowatt
2. Estimated Sound Pressure levels - dB re: 20 micropascal
3. Estimated sound levels given above are assumed to originate at the acoustic center of the unit. The acoustic center of the unit is located at the projection of the condensing unit's geometric center of its base.
4. Sound power levels shown above were determined in accordance with ARI standard 370 for large outdoor refrigeration and air conditioning equipment.
5. Calculation methods used in this program are patterned after the ASHRAE Guide; other ASHRAE Publications and the ARI Acoustical Standards. While a very significant effort has been made to insure the technical accuracy of this program, it is assumed that the user is knowledgeable in the art of system sound estimation and is aware of the tolerances involved in real world acoustical estimation. This program makes certain assumptions as to the dominant sound sources and sound paths which may not always be appropriate to the real system being estimated. Because of this, no assurances can be offered that this software will always generate an accurate sound prediction from user supplied input data. If in doubt about the estimation of expected sound levels in a space, an Acoustical Engineer or a person with sound prediction expertise should be consulted.

Indoor Unit Parameters:

Tag Name:.....**25 TON 230V**
Unit Model:.....**40RLS**
Unit Size:.....**25 Tons**
System Type:.....**Chilled Water**
External Static Pressure:.....**1.00** in wg
Fan Speed:.....**812** RPM
Fan BHP:.....**5.15** BHP

Detailed Acoustics Information

Octave Band Center Frequency, Hz	31	63	125	250	500	1k	2k	4k	8k	Total
Sound Power,dB	NA	103	99	95	96	90	88	84	NA	105
A-Weighted Sound Power, dBA	NA	76	82	86	92	90	89	85	NA	96

Acoustic Notes:

1. 40RU units sound ratings are in accordance with AHSRAE 1987 HVAC Systems and Applications handbook.
2. The acoustic center of the units is located at the geometric center of the unit.
3. All estimated sound power levels, dB re 1 Picowatt should not be guaranteed or certified as being the actual sound power levels.

Certified Drawing for 25 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM

UNIT	UNIT WEIGHT (W/TXV)
40RLA-28	1050 lbs [477 kg]
40RLA-30	1062 lbs [482 kg]
40RLS-28	1035 lbs [469 kg]
40RLS-30	1042 lbs [473 kg]

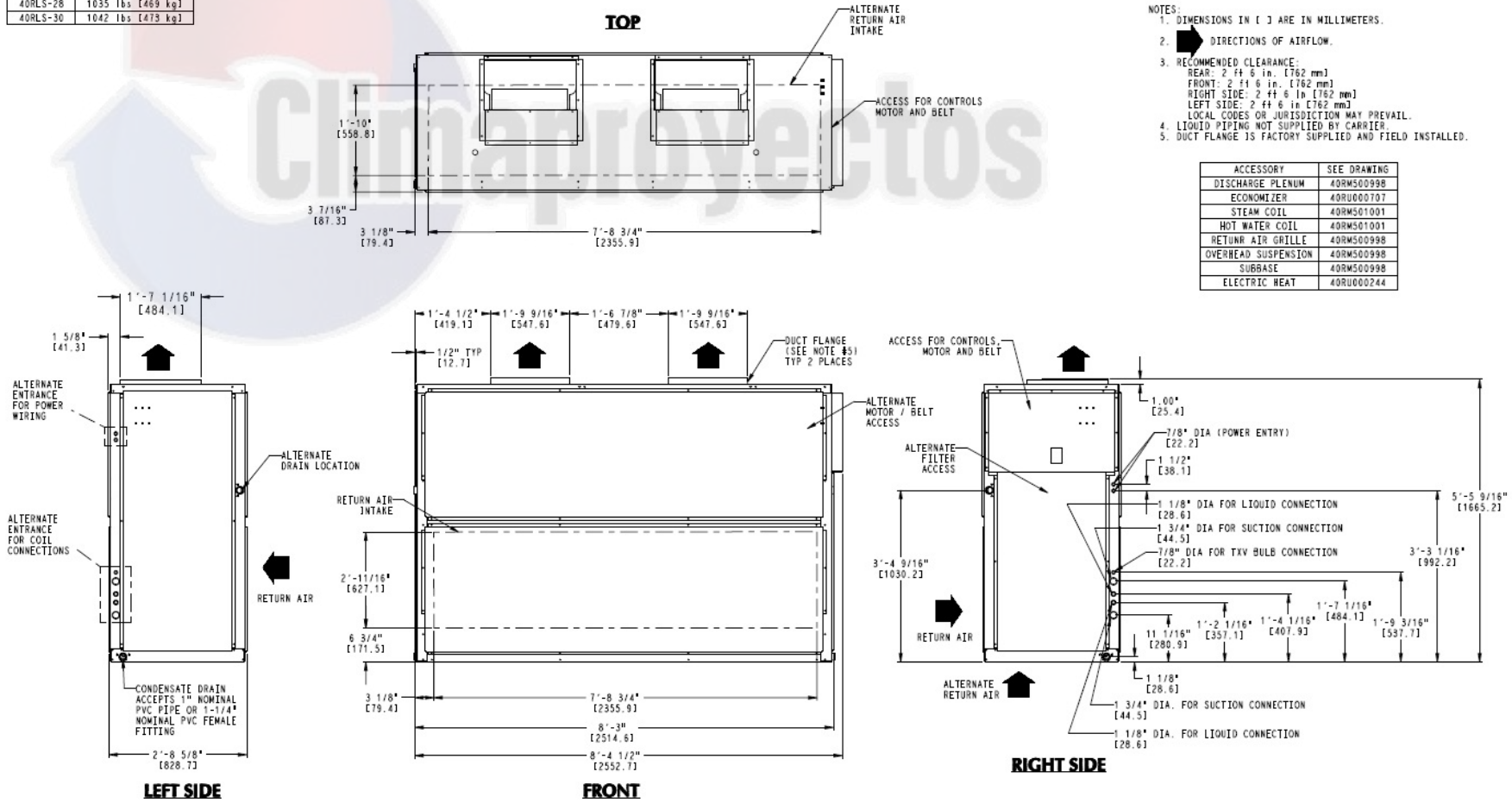


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- NOTES:
1. DIMENSIONS IN () ARE IN MILLIMETERS.
 2. DIRECTIONS OF AIRFLOW.
 3. RECOMMENDED CLEARANCE:
REAR: 2 ft 8 in. [762 mm]
FRONT: 2 ft 6 in. [762 mm]
RIGHT SIDE: 2 ft 6 in. [762 mm]
LEFT SIDE: 2 ft 6 in. [762 mm]
LOCAL CODES OR JURISDICTION MAY PREVAIL.
 4. LIQUID PIPING NOT SUPPLIED BY CARRIER.
 5. DUCT FLANGE IS FACTORY SUPPLIED AND FIELD INSTALLED.

ACCESSORY	SEE DRAWING
DISCHARGE PLENUM	40RW500998
ECONOMIZER	40RU000707
STEAM COIL	40RW501001
HOT WATER COIL	40RW501001
RETURN AIR GRILLE	40RW500998
OVERHEAD SUSPENSION	40RW500998
SUBBASE	40RW500998
ELECTRIC HEAT	40RU000244



ITC CLASSIFICATION	SHEET	DATE	SUPERCEDES	FAN COIL UNITS	40RU001209	REV
U.S. ECCN:NSR	1 OF 2	10/16/24	-	40RL A / S - 28 / 30		-



COMMERCIAL SPLIT SYSTEMS
40RLS CHILLED WATER PACKAGED AIR-HANDLING UNITS,
7.5 – 10 Ton

The 40RLS units are compact chilled water packaged air-handling units offering the ultimate in installation ease and flexibility. 40RLS units range from 7.5 to 10 tons and can be installed in either the vertical or horizontal configuration with no modifications. Powerful fan systems allow easy adaptation to existing ductwork, heaters, hot water coils, or steam coils.



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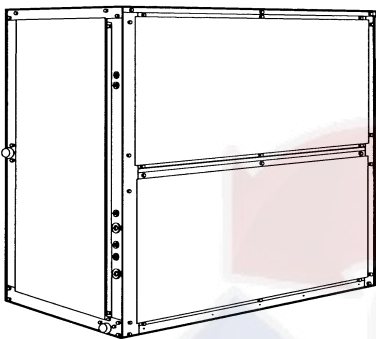
BASE UNIT STANDARD FEATURES:

- Direct Drive – EcoBlue™ Technology Indoor fan system uses Vane Axial fan design and electronically commutated motor. Indoor fan motor delivers Staged Air Volume (SAV) fan speed control
- New Unit Control Board with intuitive quick fan speed adjustment
- Two sloped condensate pans on each unit for horizontal or vertical applications.
- 2 inch filters.
- Factory-installed fan motor and contactor.
- Easy maintenance -- removal of a single panel allows access to virtually all components.
- Single blower on 08 to 12 sizes.
- 24 volt terminal block for control wiring connections.
- Factory installed Staged Air Volume (SAV™) system with 2-speed indoor fan system
- Standard one-year warranty.
- Designed in accordance with Underwriters' Laboratories Standard UL 60335
- Listed by UL and CUL-Canada



COMMERCIAL SPLIT SYSTEMS
40RLS CHILLED WATER PACKAGED AIR-HANDLING UNITS,
12.5 – 30 Ton

The 40RLS units are compact chilled water packaged air-handling units offering the ultimate in installation ease and flexibility. 40RLS units range from 12.5 to 30 tons and can be installed in either the vertical or horizontal configuration with no modifications. Powerful fan systems allow easy adaptation to existing ductwork, heaters, hot water coils, or steam coils.



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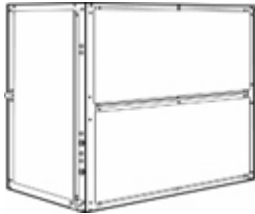
BASE UNIT STANDARD FEATURES:

-
- 2 inch filters.
- Powerful belt-driven forward curved fans.
- Factory-installed fan motor and contactor.
- Easy maintenance -- removal of a single panel allows access to virtually all components.
- Dual blower on 14 to 30 sizes.
- 24 volt terminal block for control wiring connections.
-
-
- Designed in accordance with Underwriters' Laboratories Standard UL 60335
-

Unit Report For 30 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM



Indoor Unit Parameters

Unit Model:.....**40RLS**
Unit Size:.....**30 Tons**
No. of Coils:.....**2**
Voltage:.....**230-3-60** V-Ph-Hz

System Parameter

System Quantity:.....**1**
Compressor Type:.....**N/A**

Indoor Unit Dimensions and Weight

Unit Length:.....**8' 4.5"**
Unit Width:.....**2' 8.6"**
Unit Height:.....**5' 6.6"**
Unit Weight:.....**1042** lb

Warranty Information Outdoor (Note: for US & Canada only)

First Year - Parts Only (Standard)

Warranty Information Indoor (Note: for US & Canada only)

First Year - Parts Only (Standard)

Warranty Information (Note: for US & Canada only)

NOTE: Please see Warranty Catalog 808-218 for explanation of policies and ordering methods.

Ordering Information

Part Number	Description	Quantity
Base Unit - Indoor		
40RLSA30T2A5-UA0A0		1
	Base Unit	
	Std Static, Std Effy Motor/ Medium Drive	1
	Cabinet Paint - None	1
	2-Speed Fan Controller (VFD)	1
	Electromechanical Unit Control Board	1
	Standard	1

Performance Summary For 30 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM

System: **40RLS030**
System Quantity: **1**
Altitude: **0.0** ft

Control Panel SCCR: 5kA RMS at Rated Symmetrical Voltage

Indoor Unit Parameters

PartNumber: **40RLSA30T2A5-UA0A0**
Unit Model: **40RLS**
Unit Size: **30 Tons**
No. of Splits: **2**
Voltage: **230-3-60** V-Ph-Hz
Actual Airflow: **12000.0** CFM
Total Clg Cap.(Gross): **356.1** MBH
Sensible Clg Cap.(Gross): **263.4** MBH
Ent Air DB: **80.0** °F
Ent Air WB: **67.0** °F
Ent Enthalpy: **31.44** BTU/lb
Lvg Air DB: **59.9** °F
Lvg Air WB: **57.7** °F
Lvg Enthalpy: **24.84** BTU/lb
Coil Bypass Factor: **0.193**
Fluid Flow Rate: **71.2** gpm
Ent Fluid Temp: **45.0** °F
Lvg Fluid Temp: **55.0** °F
Fluid Rise: **10.0** °F
Fluid PD: **8.9** ft wg
Fluid Type: **Fresh Water**
Fluid Conc: **0** %

Indoor Supply Fan

Indoor Unit External Static: **1.00** in wg
Economizer Loss: **0.00** in wg
Grille Loss: **0.00** in wg
Dehumidification Loss: **0.00** in wg
Plenum Loss: **0.00** in wg
Acc. Heating Loss: **0.00** in wg
Total Ext Static: **1.00** in wg
Fan Speed: **867** RPM
Fan Power: **7.23** BHP
Fan Motor Max: **10.00** BHP
Fan Motor FLA: **30.8** Amps
Motor and Medium Static Drive Required.

Indoor Electrical Data

Unit Voltage: **230-3-60** V-Ph-Hz
Unit MCA: **39.0** Amps
Unit MOCP: **60.0** Amps
Notice: Indoor unit elect. data is based on 230-3-60

Acoustics

Sound Power Levels, db re 10E-12 Watts

A-Weighted	Outdoor Unit (dB)	Indoor Unit (dB,Ducted)
Total Level	NA	98.5
63Hz	NA	78.5
125Hz	NA	84.6
250Hz	NA	88.1

Performance Summary For 30 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM

500Hz	NA	94.5
1000Hz	NA	91.7
2000Hz	NA	90.9
4000Hz	NA	86.7
8000Hz	NA	NA
Sound Message	Sound for rls030	

Acoustic Note:

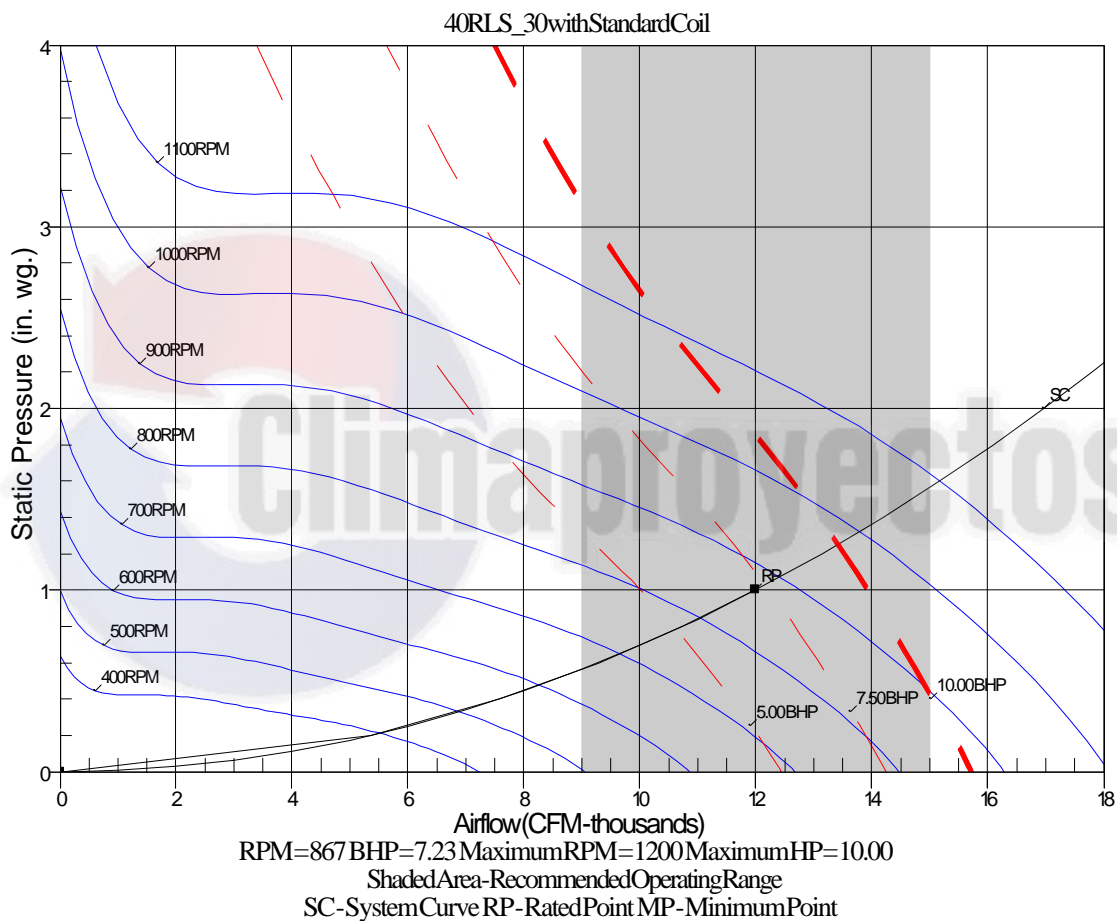
1. 40RF/40RL/40RU units sound ratings are in accordance with AHSRAE 1987 HVAC Systems and Applications handbook.
2. The acoustic center of the unit is located at the geometric center of the unit.



Performance Summary For 30 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM



Acoustic Summary For 30 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM

Acoustic Note:

1. Estimated Sound Power levels - dB re: 1 picowatt
2. Estimated Sound Pressure levels - dB re: 20 micropascal
3. Estimated sound levels given above are assumed to originate at the acoustic center of the unit. The acoustic center of the unit is located at the projection of the condensing unit's geometric center of its base.

4. Sound power levels shown above were determined in accordance with ARI standard 370 for large outdoor refrigeration and air conditioning equipment.

5. Calculation methods used in this program are patterned after the ASHRAE Guide; other ASHRAE Publications and the ARI Acoustical Standards. While a very significant effort has been made to insure the technical accuracy of this program, it is assumed that the user is knowledgeable in the art of system sound estimation and is aware of the tolerances involved in real world acoustical estimation. This program makes certain assumptions as to the dominant sound sources and sound paths which may not always be appropriate to the real system being estimated. Because of this, no assurances can be offered that this software will always generate an accurate sound prediction from user supplied input data. If in doubt about the estimation of expected sound levels in a space, an Acoustical Engineer or a person with sound prediction expertise should be consulted.

Indoor Unit Parameters:

Tag Name:.....**30 TON 230V**
Unit Model:.....**40RLS**
Unit Size:.....**30 Tons**
System Type:.....**Chilled Water**
External Static Pressure:.....**1.00** in wg
Fan Speed:.....**867** RPM
Fan BHP:.....**7.23** BHP

Detailed Acoustics Information

Octave Band Center Frequency, Hz	31	63	125	250	500	1k	2k	4k	8k	Total
Sound Power,dB	NA	105	101	97	98	92	90	86	NA	107
A-Weighted Sound Power, dBA	NA	79	85	88	95	92	91	87	NA	98

Acoustic Notes:

- 40RU units sound ratings are in accordance with AHSRAE 1987 HVAC Systems and Applications handbook.
- The acoustic center of the units is located at the geometric center of the unit.
- All estimated sound power levels, dB re 1 Picowatt should not be guaranteed or certified as being the actual sound power levels.

Certified Drawing for 30 TON 230V

Project: 40RLS 2026
Prepared By:

11-10-2025
12:23PM

UNIT	UNIT WEIGHT (W/TXV)
40RLA-28	1050 lbs [477 kg]
40RLA-30	1062 lbs [482 kg]
40RLS-28	1035 lbs [469 kg]
40RLS-30	1042 lbs [473 kg]

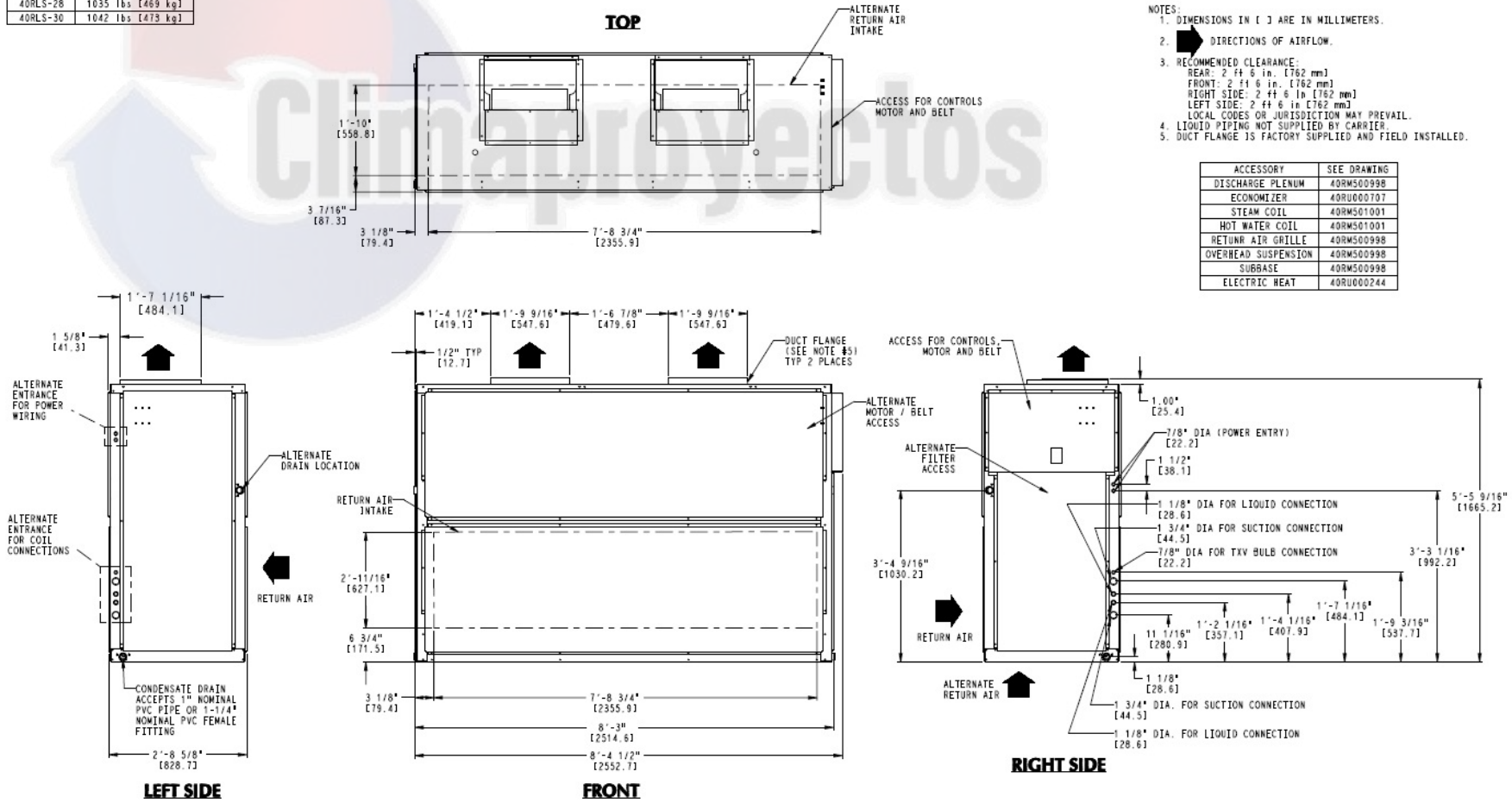


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- NOTES:
1. DIMENSIONS IN () ARE IN MILLIMETERS.
 2. DIRECTIONS OF AIRFLOW.
 3. RECOMMENDED CLEARANCE:
REAR: 2 ft 8 in. [762 mm]
FRONT: 2 ft 6 in. [762 mm]
RIGHT SIDE: 2 ft 6 in. [762 mm]
LEFT SIDE: 2 ft 6 in. [762 mm]
LOCAL CODES OR JURISDICTION MAY PREVAIL.
 4. LIQUID PIPING NOT SUPPLIED BY CARRIER.
 5. DUCT FLANGE IS FACTORY SUPPLIED AND FIELD INSTALLED.

ACCESSORY	SEE DRAWING
DISCHARGE PLENUM	40RM500998
ECONOMIZER	40RU000707
STEAM COIL	40RM501001
HOT WATER COIL	40RM501001
RETURN AIR GRILLE	40RM500998
OVERHEAD SUSPENSION	40RM500998
SUBBASE	40RM500998
ELECTRIC HEAT	40RU000244



ITC CLASSIFICATION	SHEET	DATE	SUPERCEDES	FAN COIL UNITS	40RL A / S - 28 / 30	REV
U.S. ECCN:NSR	1 OF 2	10/16/24	-			-



COMMERCIAL SPLIT SYSTEMS
40RLS CHILLED WATER PACKAGED AIR-HANDLING UNITS,
7.5 – 10 Ton

The 40RLS units are compact chilled water packaged air-handling units offering the ultimate in installation ease and flexibility. 40RLS units range from 7.5 to 10 tons and can be installed in either the vertical or horizontal configuration with no modifications. Powerful fan systems allow easy adaptation to existing ductwork, heaters, hot water coils, or steam coils.



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manufacturer's
participation in the
program. For verification
of certification for individual
products, go to
www.ahridirectory.org.

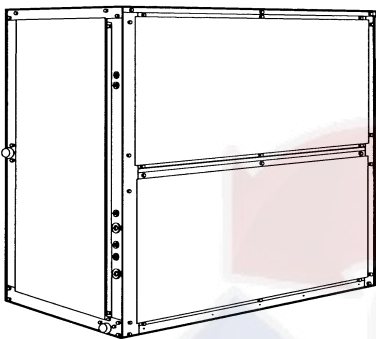
BASE UNIT STANDARD FEATURES:

- Direct Drive – EcoBlue™ Technology Indoor fan system uses Vane Axial fan design and electronically commutated motor. Indoor fan motor delivers Staged Air Volume (SAV) fan speed control
- New Unit Control Board with intuitive quick fan speed adjustment
- Two sloped condensate pans on each unit for horizontal or vertical applications.
- 2 inch filters.
- Factory-installed fan motor and contactor.
- Easy maintenance -- removal of a single panel allows access to virtually all components.
- Single blower on 08 to 12 sizes.
- 24 volt terminal block for control wiring connections.
- Factory installed Staged Air Volume (SAV™) system with 2-speed indoor fan system
- Standard one-year warranty.
- Designed in accordance with Underwriters' Laboratories Standard UL 60335
- Listed by UL and CUL-Canada



COMMERCIAL SPLIT SYSTEMS
40RLS CHILLED WATER PACKAGED AIR-HANDLING UNITS,
12.5 – 30 Ton

The 40RLS units are compact chilled water packaged air-handling units offering the ultimate in installation ease and flexibility. 40RLS units range from 12.5 to 30 tons and can be installed in either the vertical or horizontal configuration with no modifications. Powerful fan systems allow easy adaptation to existing ductwork, heaters, hot water coils, or steam coils.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

BASE UNIT STANDARD FEATURES:

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- 2 inch filters.
- Powerful belt-driven forward curved fans.
- Factory-installed fan motor and contactor.
- Easy maintenance -- removal of a single panel allows access to virtually all components.
- Dual blower on 14 to 30 sizes.
- 24 volt terminal block for control wiring connections.
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- Designed in accordance with Underwriters' Laboratories Standard UL 60335
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