Библиотека СОК

Domestic
Commercial Products

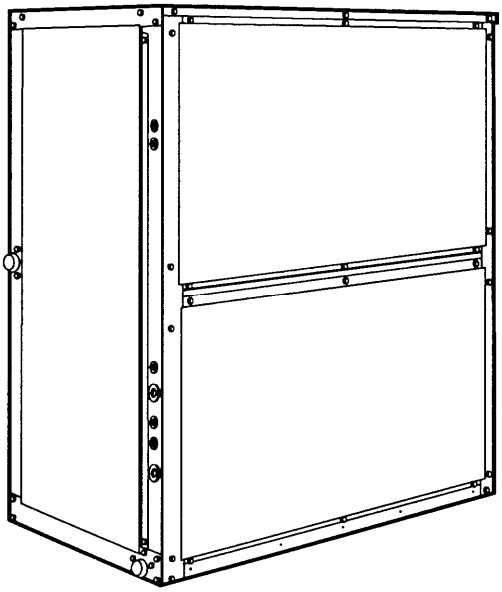
40RUA – 50Hz

18.3 TO 59.2 kW
DIRECT EXPANSION
PACKAGED AIR-HANDLING UNITS

Carrier Corporation • Syracuse, N.Y. 13221
SUBJECT TO CHANGE WITHOUT NOTICE
UNIT SHIPPING POINT: Monterrey, MX
MFG. POINT: Monterrey, MX

TYPE OF SALE: 13SS (40RUA 07-16 SIZES)
13SB (40RUA 25 SIZE)

F.O.B. SHIPPING POINT
FREIGHT AS PER D.O.M.



40RUA 18.3 TO 29.1 kW CHASSIS SHOWN

40RUA DIRECT EXPANSION PACKAGED AIR-HANDLING UNITS

STANDARD FEATURES

1. PURON (R-410A) HFC Refrigerant
2. Cleanable insulation treated with an anti-microbial agent.
3. Two sloped condensate pans on each unit for horizontal or vertical applications.
4. 2 inch filters.
5. Powerful belt-driven forward curved fans.
6. Factory-installed fan motor and contactor.
7. Refrigerant metering devices (TXV's) -- factory installed.
8. Easy maintenance -- removal of a single panel allows access to virtually all components.
9. Single refrigerant circuit on 07 and 08 models, dual refrigerant circuit on 12-25 models. Dual circuit models can be field modified for use on single circuit condensing units.
10. Single blower on 07 to 12 sizes; dual blower on 14 to 25 sizes.
11. 24-volt terminal block for control wiring connection.

40RUA DIRECT EXPANSION PACKAGED AIR-HANDLING UNITS

The 40RUA units are completely packaged direct expansion air-handling units offering the ultimate in installation ease and flexibility. Combined with Carrier 38AUZ/D Series condensing units these packaged air handling units offer system capacities from 18.3 to 59.2 kW. These units may be installed in either the vertical or horizontal configuration with no modifications. Powerful fan systems allow easy adaptation to existing ductwork. Heating capability is provided by electric heaters, hot water coils or steam coils.

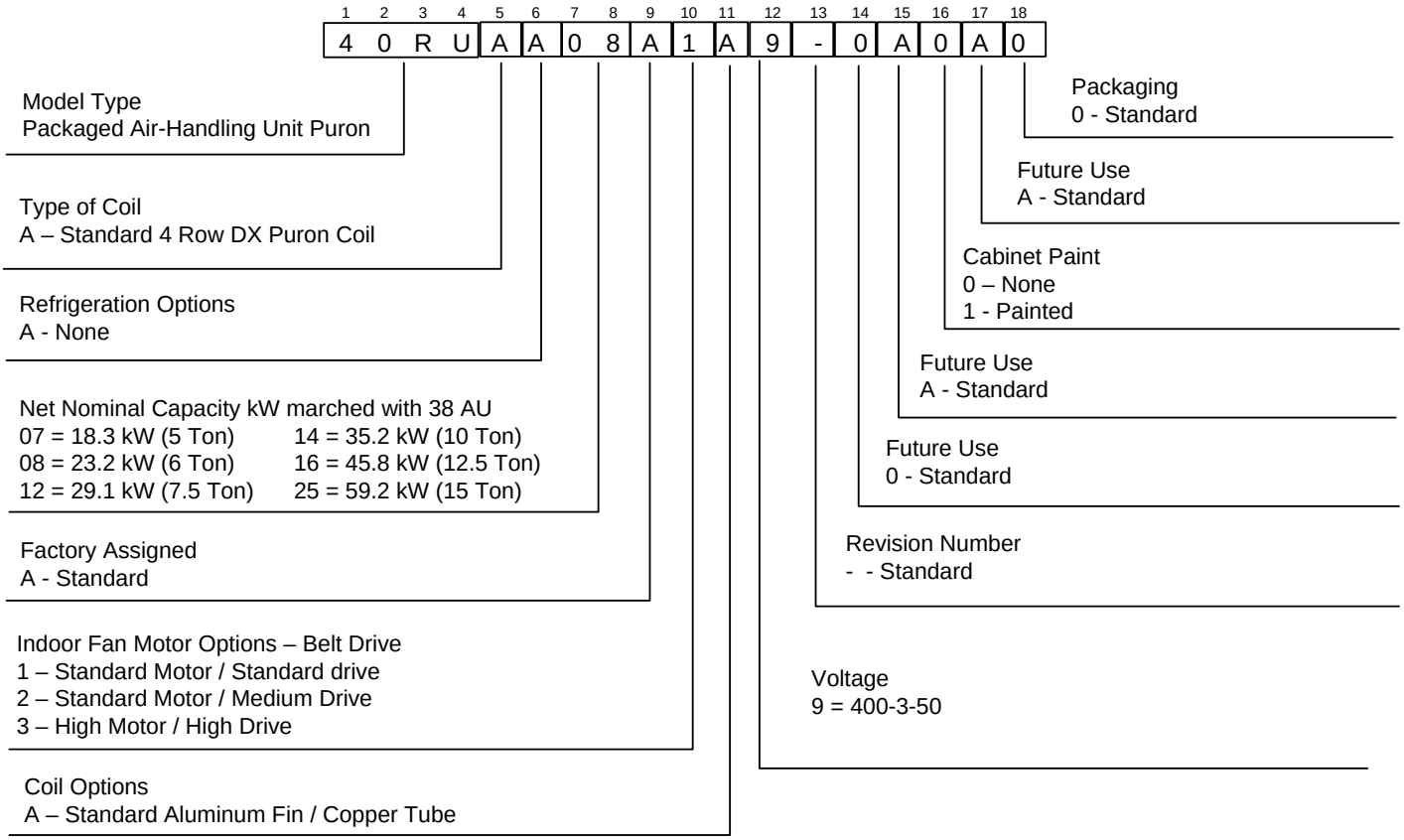
Certified to ISO 9001:2000

Puron
the environmentally sound refrigerant

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40RUA MODEL NUMBER NOMENCLATURE



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40RUA PACKAGED AIR-HANDLING UNITS WITH FACTORY-INSTALLED TXV'S

BASE UNIT MODEL NUMBER	VOLTAGE DESCRIPTION	APPROX. SHIPPING WT. (kg)	APPROX. SHIPPING WT. (lbs)
40RUAA07A1A9	400-3-50	181	399
40RUAA08A1A9	400-3-50	183	404
40RUAA12A1A9	400-3-50	193	425
40RUAA14A1A9	400-3-50	315	695
40RUAA16A1A9	400-3-50	323	713
40RUAA25A1A9	400-3-50	331	730

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FACTORY-INSTALLED OPTION CODES

POSITION 10 – FAN MOTOR OPTIONS

	4	0	R	U	A	A	0	7	A	1	A	9	-	0	A	0	A	0
POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

POSITION 10

MOTOR OPTIONS

40RUA

POSITION 10	MOTOR DESCRIPTION	VOLTAGE
1	Standard Motor / Standard Drive	400-3-50
2	Standard Motor / Medium Drive	400-3-50
2	Alt. Motor / Medium Drive	400-3-50
3	High Motor / High Drive	400-3-50

NC – No Charge
- – No Offering

POSITION 16 – PAINTED CABINET OPTIONS

	4	0	R	U	A	A	0	7	A	1	A	9	-	0	A	0	A	0
POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

POSITION 16

PAINTED CABINET OPTIONS

40RUA

POSITION 16	PAINT DESCRIPTION
0	None
1	Painted

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FIELD-INSTALLED ACCESSORIES

40RUA ACCESSORY ELECTRIC HEATERS*

ORDERING NUMBER	DESCRIPTION	NOMINAL CAPACITY (kW)	USED WITH SIZES
	(400 V -- 3 PHASE -- 50 Hz)		
CAELHEAT002A00	3.5 kW, 400-3-50 Electric Heater	3.5	07, 08, 12
CAELHEAT005A00	7.0 kW, 400-3-50 Electric Heater	7.0	07, 08, 12
CAELHEAT008A00	10.5 kW, 400-3-50 Electric Heater	10.5	07, 08, 12
CAELHEAT011A00	17.5 kW, 400-3-50 Electric Heater	17.5	07, 08, 12
CAELHEAT014A00	25.0 kW, 400-3-50 Electric Heater	25.0	08, 12
CAELHEAT017A00	7.0 kW, 400-3-50 Electric Heater	7.0	14, 16, 25
CAELHEAT020A00	15.0 kW, 400-3-50 Electric Heater	15.0	14, 16, 25
CAELHEAT023A00	21.0 kW, 400-3-50 Electric Heater	21.0	14, 16, 25
CAELHEAT026A00	35.0 kW, 400-3-50 Electric Heater	35.0	16, 25

*Electric heaters tested at a maximum E.S.P. of 1.9”.

NOTE: App. shipping weight for CAELHEAT002A00 – 014A00 is 25 kg. (55 lbs) ea.
App. shipping weight for CAELHEAT017A00 – 026A00 is 27 kg. (60 lbs) ea.

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FIELD-INSTALLED ACCESSORIES (cont)

40RUA (07-12) ACCESSORIES

ORDERING MODEL NUMBER	DESCRIPTION	APPROX. SHIPPING WT. kg. (lbs)
CAECOMZR001A00	Economizer - Enthalpy Controlled	84 (185)
CAHWCOIL001A00	Hot Water Coil (2 row)	88 (195)
CAPLENUM001A00 †	Discharge Plenum	61 (134)
CAPLENUM004A00 †	Discharge Plenum - Painted	61 (134)
CARAGRIL001A00	Return Air Grille	12 (27)
CARAGRIL004A00	Return Air Grille - Painted	61 (134)
CASTCOIL001A00	Steam Coil (1 row)	98 (215)
CASUBASE001A00	Floor Mount Base (Subbase)	6 (14)
CASUBASE003A00	Floor Mount Base (Subbase) - Painted	6 (14)
CAOVRFLW001A00	Condensate Overflow Switch Assembly	N/A
CASUSPEN001A00	Overhead Suspension Brackets	1 (1.5)

† Discharge plenums are shipped knocked down and require field assembly. Cannot be used with electric heat or horizontal application.

40RUA (14-25) ACCESSORIES

ORDERING MODEL NUMBER	DESCRIPTION	APPROX. SHIPPING WT. kg. (lbs)
CAECOMZR002A00	Economizer - Enthalpy Controlled	154 (340)
CAHWCOIL002A00	Hot Water Coil (2 row)	129 (285)
CAPLENUM002A00 †	Discharge Plenum	113 (250)
CAPLENUM005A00 †	Discharge Plenum - Painted	113 (250)
CARAGRIL002A00	Return Air Grille	23 (51)
CARAGRIL005A00	Return Air Grille - Painted	23 (51)
CASTCOIL002A00	Steam Coil (1 row)	154 (340)
CASUBASE001A00	Floor Mount Base (Subbase)	6 (14)
CASUBASE003A00	Floor Mount Base (Subbase) - Painted	6 (14)
CAOVRFLW001A00	Condensate Overflow Switch Assembly	N/A
CASUSPEN001A00	Overhead Suspension Brackets	1 (1.5)

† Discharge plenums are shipped knocked down and require field assembly. Cannot be used with electric heat, or horizontal applications.

NOTE: Accessories are unpainted unless noted otherwise in the description.

FIELD-INSTALLED ACCESSORIES (cont)

MISCELLANEOUS CONTROLS

ORDERING NUMBER	DESCRIPTION	UNIT SIZE
33CSAS--01	Gen III Airflow Sensor Switch (0.5-7.7) for 33CS controls	All

CO_2 SENSOR ACCESSORIES

ORDERING NUMBER	DESCRIPTION	UNIT SIZE
33ZCSENCO2	CO2 Room Sensor - Wall Mount (33ZCASPCO2 required for duct mount)	All
33ZCASPCO2	Aspirator Box (use with 33ZCSENCO2 for duct mounting)	All

NOTE: CO_2 sensors can be connected to the PremierLink® Control or can be connected to the economizer with the addition of field supplied Honeywell D.C. adaptor. (Honeywell part no. Q769C1007.)

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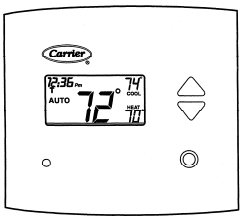
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FREIGHT AS PER D.O.M.

FIELD-INSTALLED ACCESSORIES (cont)

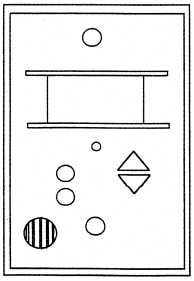
COMMERCIAL NON-COMMUNICATING THERMOSTATS



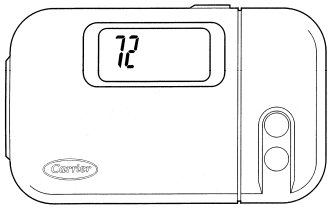
Debonair2



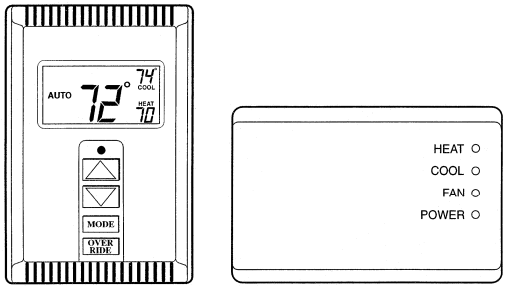
Debonair Slimline



Debonair FlatStat



Corporate Stat



Debonair Wireless Thermostat

FEATURE HIGHLIGHTS:

- 1-For-All design - 4/5 wire - heat pump, G/E, electric heat, hydronics
- Security keypad lockout and configurable access levels
- Large, easy-to-read Thermoglow display, easy to program
- 4 hour setback override, adjustable increments
- Autochangeover, 2 & 3 stage heat/2 stage cool
- Debonair2 and Flat thermostats include ExactFit tamper-proof locking cover, with regular and tamper-proof screws
- No mercury, no batteries (except wireless)
- Bright-white color and handsome designs
- Temperature calibration, adjustable timeguards, deadband and temperature difference
- Programmable stats meet California Commercial Title 24
- Auxiliary relay - signal to economizer
- External input to interface w/other building systems
- Heat/Cool Lockout
- Remote sensing
- Sensor average up to 16 remote room sensors
- Wireless and light-activated control
- Softstart up to 99 units
- 99 consecutive days Holiday schedule

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FIELD-INSTALLED ACCESSORIES (cont)

THERMOSTATS

PART NUMBER	STYLE	DESCRIPTION	SENSORS
33CSSN2-WC	Debonair2	Debonair Std. Non-Prog., 2 stg. ht/cl, G/E & HP (w/ExactFit Locking Cover).	None
33CSSP2-WC	Debonair2	Debonair Std. Prog., 2 stg ht/cl, G/E & HP (w/ExactFit Locking Cover).	None
33CS400-01	Slimline	Debonair 400 - Non-Programmable, 2-stage Heat/Cool, HP or G/E, Manual Changeover, 3 configurable outputs, remote contact input, Remote Sensor Capable.	Remote, Duct, Outdoor
33CS420-01	Slimline	Debonair 420 - 7-Day Programmable/Non-Prog. 3-stage Heat/2-stage Cool, HP or G/E, Manual/Auto-Changeover, Low/Hi outdoor Temp.	Outdoor
33CS450-01	Slimline	Debonair 450 - Premier 7-Day Programmable/Non-Prog., 3-stage Heat/2-stage Cool, HP or G/E, Remote Contact Input, Remote Sensor Capability, Pre-Occupancy Purge, Soft Start, Manual/Auto-Changeover, Economizer Output Signal, Reheat Capable, Low/Hi Outdoor Temp, Light Activated.	Remote, Duct, Outdoor
33CS220-FS	Flat	Debonair 7-Day Programmable, 2 stg ht/cl, HP, G/E, Auto-Changeover w/ExactFit locking cover - fits standard 2x4 Junction Box.	None
33CS250-FS	Flat	Debonair 7-Day Programmable, 2 stg ht/cl, G/E, HP, Auto-Changeover, w/ExactFit Locking Cover - fits standard 2x4 Junction Box - remote Sensor Capable, Pre-occ. Purge and Soft Start.	Remote, Duct
33CS250-RC	Wireless	Debonair 250 Wireless Thermostat, 7-Day Programmable, 2-stage Heat/Cool, HP or G/E, Pre-Occupancy Purge and Auto-Changeover.	None
33CS250-RE	Wireless	Debonair 250 Wireless Receiver - Must be used with Part No. 33CS250-RC.	None

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FIELD-INSTALLED ACCESSORIES (cont)

THERMOSTAT ACCESSORIES

ORDERING NUMBER	DESCRIPTION	FITS MODEL
33CSSEN-WB	Remote Room Sensor with Push Button Override, Used on 33CS450-01 and 33CS400-01	33CS400-01, 33CS450-01, 33CS250-FS
33CSSEN-01	Remote Room Sensor without override. Outside Air Temperature Sensor for the 33CS400-01 & 33CS450-01.	33CS400-01, 33CS450-01, 33CS250-FS
33CSSEN-DS	Duct Temperature Sensor	33CS400-01, 33CS450-01, 33CS250-FS
33CSRFS-1RC	Wireless Remote Room Sensor Transmitter - Can use up to 8 in any combination - provides Sensor Averaging capability; use with 33CSRFS-1RE	33CS400-01, 33CS450-01, 33CS250-FS
33CSRFS-1RE	Wireless Remote Room Sensor Receiver; use with 33CSRFS-1RC	33CS400-01, 33CS450-01, 33CS250-FS
33CSACC-BP	Decorator Backplates for Debonair (package of 2 - 2 sizes)	33CS400-01, 33CS420-01, 33CS450-01
33CSDOR-SS	FlatStat stainless steel door/cover for schools	33CS220-FS, 33CS250-FS
33CSDOR-FS	Replacement Doors	33CS220-FS, 33CS250-FS
33CSDOR-D2	Replacement Doors	33CSSN2/SP2-WC
ZONECC0RRS01	Remote Room Sensor	33CS2PP2S-01, 22CS2PPRH-01
TSTATXXSEN01-B	Outdoor Temperature Sensor	33CS2PP2S-01, 22CS2PPRH-01
33CSACC-AW	Add a Wire	Any 24 VAC stat with more than 2 wires
33CSACC-AZ	Add a SubZone	Any 24 VAC thermostat, and Comfort Zone Damper
33CSACC-DR	Replacement Doors	33C400-01, 33CS420-01, 33CS450-01

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