UNIFLAIR DIRECT EXPANSION INROW COOLING

Unit model:	**ACRD600P**
Unit power supply:	**208V/3ph/50Hz**
Air filter:	**4" Pleated 30% Std Air Filters**
External Unit:	**ACCD75228**

WORKING CONDITIONS

Dry bulb temperature	30,0	°C
Wet bulb temperature	14,8	°C
Relative humidity	20,0	%
Altitude	1490,0	m
External static pressure (default 0 Pa)	20,0	Pa
InRow unit air flow (@ return conditions)	6840,0	m^3/h
Outdoor air temperature	32,0	°C
Outdoor air relative humidity	50,0	%
Superheating	5,0	D°C
Subcooling	5,0	D°C
Compressor Speed	78,3	%
Envelope-based condenser control strategy		-

PERFORMANCE / FEATURES

Total Gross Cooling Capacity	30,6	kW
Sensible Gross Cooling Capacity	30,6	kW
Net sensible cooling capacity	29,7	kW
SHR	100,0	%
Room unit absorbed power	12,0	kW
InRow Unit EER	2,5	kW/kW
SCOP	2,0	kW/kW
Actual Room unit air flow rate @ return conditions	6840,0	m^3/h
Discharge air temperature	14,1	°C
Discharge air relative humidity	52,8	%
Fan(s) absorbed power	1,0	kW
Fan(s) absorbed current	3,0	A
Fan(s) speed regulation	79,1	%
Compressor absorbed power	11,0	kW
Compressor absorbed current	30,6	A
Compressor COP	2,8	kW/kW
Compressor regulation	78,3	%
Condenser Fan(s) Power	3,1	kW
Condenser Fan(s) Current	13,6	A
Condenser Air Flow Rate	28008,0	m^3/h
Condenser Fans Speed	100,0	%
Inner Unit Sound pressure level @ 1.8 m	76,1	dB(A)

The performances are obtained through theoretical calculations; therefore, they are subject to the consequent variations.

Moreover, the performances refer to the standard unit equipped as per this report: other options or modifications made on request could affect the final performances.
Weight data refer to the basic version of the unit, any additional option will affect the unit weight. Refer to technical drawings for detailed information on unit weights.
Schneider Electric - Calculation program "UNICALC" vers.11.1.12 dated 2026/07/23 (User profile profile - USER: sergio.aguilar) - Unless otherwise specified, the performance data reported in this document shall be considered subject to standard tolerances, as defined in Schneider-Electric cooling FAT Method Statement.

UNIFLAIR DIRECT EXPANSION INROW COOLING

Unit model:	**ACRD600P**
Unit power supply:	**208V/3ph/50Hz**
Air filter:	**4" Pleated 30% Std Air Filters**
External Unit:	**ACCD75228**

Outdoor Condenser Sound pressure level @ 1.8 m free field (@ max speed)	67,2	dB(A)

ACCESSORIES

Hourly Capacity of Humidifier	3,0	l/h
Rated Electrical Power of Humidifier	2,3	kW
Rated Electrical Current of Humidifier	6,5	A
Number of Standard Heaters	2,0	-
Total Rated Electrical Heater Power	6,0	kW
Total Rated Electrical Heater Current	15,6	A

UNIT DIMENSIONS & WEIGHT

Height	1991,0	mm
Width	600,0	mm
Length	1070,0	mm
Weight	413	kg

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Moreover, the performances refer to the standard unit equipped as per this report: other options or modifications made on request could affect the final performances.
Weight data refer to the basic version of the unit, any additional option will affect the unit weight. Refer to technical drawings for detailed information on unit weights.
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