

# ECP\_\_ U VDE CR

ECP 7.5 U VDE CR | ECP 15 U VDE CR  
ECP 19.5 U VDE CR

A line of power panels to manage the three-phase evaporating unit only where devices are served by a compressor rack. Various power ranges and a wide range of optionals allow you to choose the panel best suited to your system.

Examples of out-of-room control units to link

ECP200 EXPERT BASE 4A



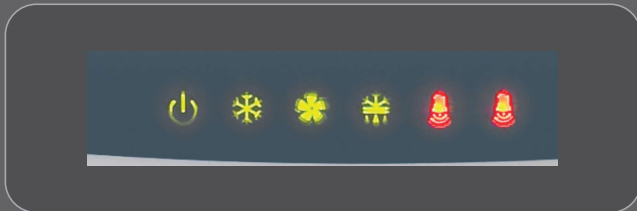
NECTOR 200



ECP\_\_ U VDE CR

## APPLICATIONS

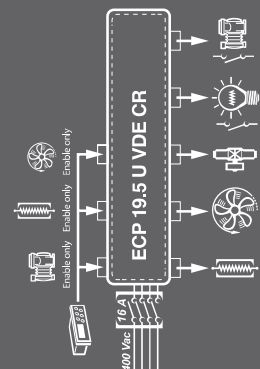
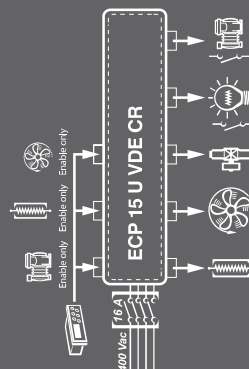
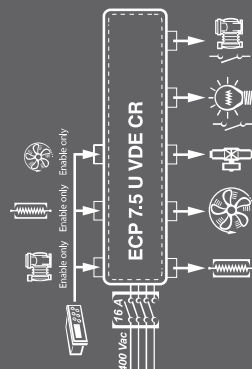
- Control of evaporating unit only with electrical defrost up to 21 kW.

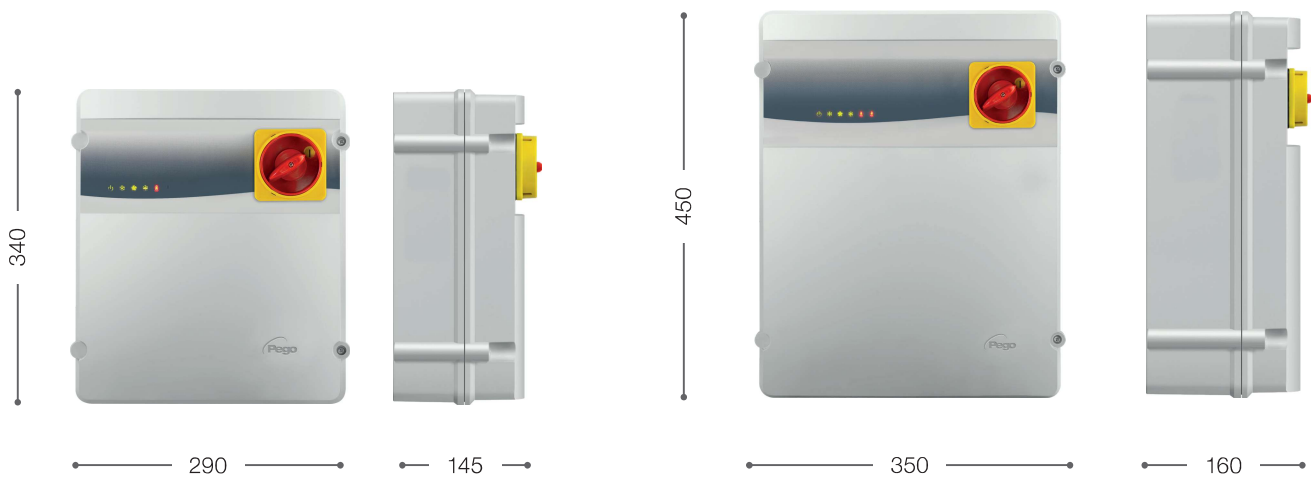


## MAIN CHARACTERISTICS

- Protection of the loads and the auxiliary circuit with circuit breakers.
- Enabling for condensing unit, defrosting elements, evaporator fans, solenoid valve, room light and all standard-compliant electrical safeguards.
- Compact, self-extinguishing ABS housing with IP65 protection rating and circuit breaker on front of panel.
- LED system status indicators.

## CONNECTION DIAGRAMS





TECHNICAL CHARACTERISTICS		ECP 7.5 U VDE CR	ECP 15 U VDE CR	ECP 19.5 U VDE CR
BOX DIMENSIONS		290 x 340 x 145 mm	350 x 450 x 160 mm	350 x 450 x 160 mm
WEIGHT		6 kg	6 kg	7 kg
PROTECTION RATING		IP65	IP65	IP65
POWER SUPPLY		400 V AC ±10% 50/60 Hz	400 V AC ±10% 50/60 Hz	400 V AC ±10% 50/60 Hz
LOAD TYPE		THREE-PHASE	THREE-PHASE	THREE-PHASE
WORKING TEMPERATURE		-5 ÷ +40 °C	-5 ÷ +40 °C	-5 ÷ +40 °C
STORAGE TEMPERATURE		-10 ÷ +70 °C	-10 ÷ +70 °C	-10 ÷ +70 °C
RELATIVE AMBIENT HUMIDITY		< 90% RH	< 90% RH	< 90% RH
MAIN SWITCH		16 A	40 A	63 A
PROTECTION		CIRCUIT BREAKERS	CIRCUIT BREAKERS	CIRCUIT BREAKERS
CONTROL	COMPRESSOR	EXTERNAL ON /OFF	EXTERNAL ON /OFF	EXTERNAL ON /OFF
	DEFROST	EXTERNAL ON /OFF	EXTERNAL ON /OFF	EXTERNAL ON /OFF
	FANS	EXTERNAL ON /OFF	EXTERNAL ON /OFF	EXTERNAL ON /OFF
DEFROSTING		ELECTRICAL	ELECTRICAL	ELECTRICAL
INSULATION TRANSFORMER		PRESENT	PRESENT	PRESENT
STATUS INDICATORS		LED	LED	LED
ALARM SIGNALS		LED	LED	LED
INPUTS				
COMPRESSOR		ENABLE ONLY	ENABLE ONLY	ENABLE ONLY
DEFROSTING		ENABLE ONLY	ENABLE ONLY	ENABLE ONLY
EVAPORATOR FANS		ENABLE ONLY	ENABLE ONLY	ENABLE ONLY
OUTPUTS				
EVAPORATOR FANS		800 W (1PH)	2x2000 W (3PH)	3x2000 W (3PH)
DEFROSTING HEATERS		7500 W (2500 W x 3, AC1)	16500 W (5500 W x 3, AC1)	21000 W (7000 W x 3, AC1)
ROOM LIGHT		PRESENT	PRESENT	PRESENT
SOLENOID VALVE		PRESENT	PRESENT	PRESENT
ENABLE CONDENSING UNIT		PRESENT	PRESENT	PRESENT

# ECP\_\_ U VDE CR

ECP 25 U VDE CR | ECP 36 U VDE CR

A line of power panels to manage the three-phase evaporating unit only where devices are served by a compressor rack. Various power ranges and a wide range of optionals allow you to choose the panel best suited to your system.

Examples of out-of-room control units to link

ECP200 EXPERT BASE 4A



NECTOR 200



ECP\_\_ U VDE CR

## APPLICATIONS

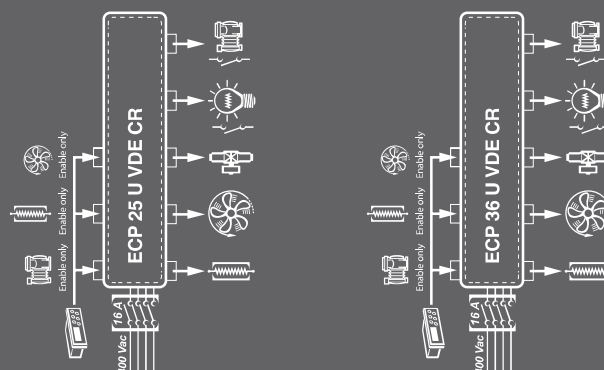
- Control of evaporating unit only with electrical defrost up to 42 kW.



## MAIN CHARACTERISTICS

- Protection of the loads and the auxiliary circuit with circuit breakers.
- Enabling for condensing unit, defrosting elements, evaporator fans, solenoid valve, room light and all standard-compliant electrical safeguards.
- Compact, self-extinguishing ABS housing with IP65 protection rating and circuit breaker on front of panel.
- LED system status indicators.

## CONNECTION DIAGRAMS





TECHNICAL CHARACTERISTICS		ECP 25 U VDE CR	ECP 36 U VDE CR
BOX DIMENSIONS		470 x 650 x 210 mm	470 x 650 x 210 mm
WEIGHT		20 kg	20 kg
PROTECTION RATING		IP65	IP65
POWER SUPPLY		400 V AC $\pm 10\%$ 50/60 Hz	400 V AC $\pm 10\%$ 50/60 Hz
LOAD TYPE		THREE-PHASE	THREE-PHASE
WORKING TEMPERATURE		-5 $\div$ +40 °C	-5 $\div$ +40 °C
STORAGE TEMPERATURE		-10 $\div$ +70 °C	-10 $\div$ +70 °C
RELATIVE AMBIENT HUMIDITY		< 90% RH	< 90% RH
MAIN SWITCH		80 A	100 A
PROTECTION		CIRCUIT BREAKERS	CIRCUIT BREAKERS
CONTROL	COMPRESSOR	EXTERNAL ON /OFF	EXTERNAL ON /OFF
	DEFROST	EXTERNAL ON /OFF	EXTERNAL ON /OFF
	FANS	EXTERNAL ON /OFF	EXTERNAL ON /OFF
DEFROSTING		ELECTRICAL	ELECTRICAL
INSULATION TRANSFORMER		PRESENT	PRESENT
STATUS INDICATORS		LED	LED
ALARM SIGNALS		LED	LED
<b>INPUTS</b>			
COMPRESSOR		ENABLE ONLY	ENABLE ONLY
DEFROSTING		ENABLE ONLY	ENABLE ONLY
EVAPORATOR FANS		ENABLE ONLY	ENABLE ONLY
<b>OUTPUTS</b>			
EVAPORATOR FANS		4x2500 W (3PH)	4x2500 W (3PH)
DEFROSTING HEATERS		30000 W (AC1) (10000 W x 3, AC1)	42000 W (14000 W x 3, AC1)
ROOM LIGHT		PRESENT	PRESENT
SOLENOID VALVE		PRESENT	PRESENT
ENABLE CONDENSING UNIT		PRESENT	PRESENT