

# ECP 07 10 15 20

ECP 07 | ECP 10 | ECP 15 | ECP 20

A simple, compact solution for control of three-phase condensing units up to 20 HP.

The call can be generated by pressure switch (compressor shutdown in pump-down mode), thermostat or clean contact.

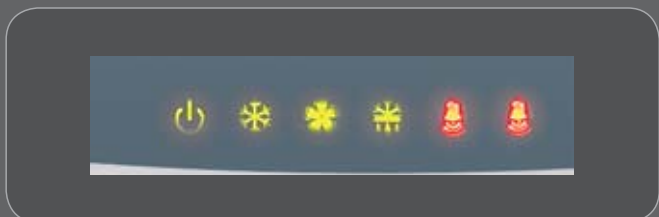


## APPLICATIONS

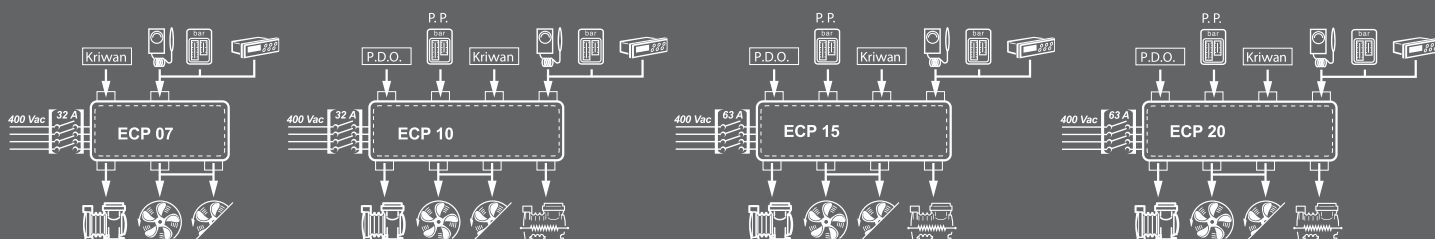
- **ECP 07** Control of condensing unit with three-phase compressor up to 7 HP.
- **ECP 10** Control of condensing unit with three-phase compressor up to 10 HP.
- **ECP 15** Control of condensing unit with three-phase compressor up to 15 HP.
- **ECP 20** Control of condensing unit with three-phase compressor up to 20 HP.

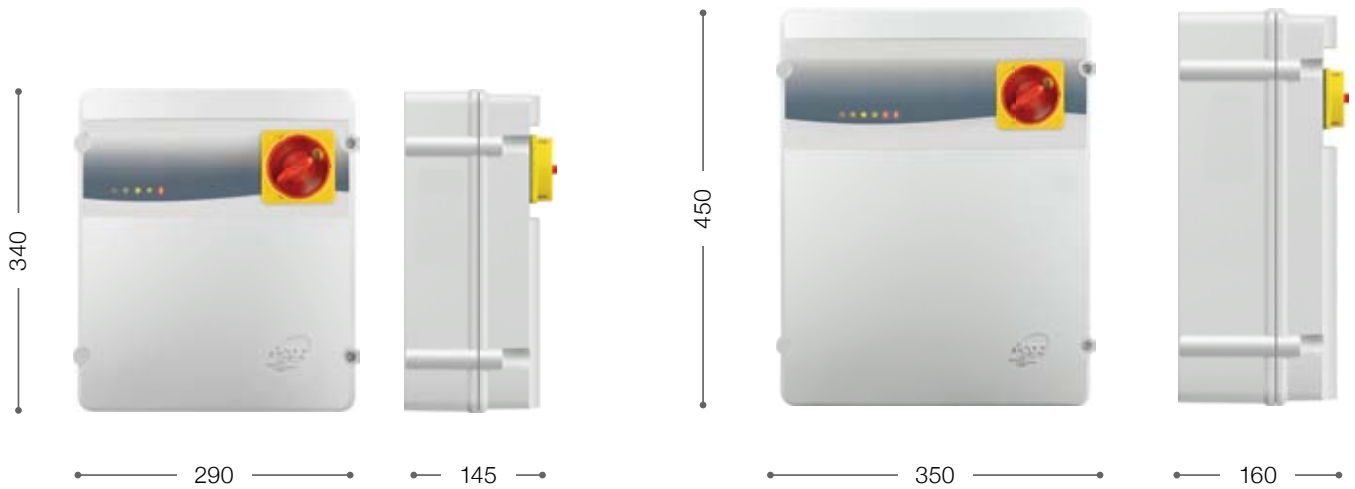
## MAIN CHARACTERISTICS

- Direct control of compressor, condenser fans and all standard-compliant electrical safeguards.
- Compressor call by pressure switch, thermostat or clean contact.
- Compact unit with self-extinguishing ABS panel and IP65 protection rating plus circuit breaker on front of panel.
- System status indicated by LED icon.



## CONNECTION DIAGRAMS





TECHNICAL CHARACTERISTICS	ECP 07	ECP 10	ECP 15	ECP 20				
<b>BOX DIMENSIONS</b>	290 x 340 x 145 mm	290 x 340 x 145 mm	350 x 450 x 160 mm	350 x 450 x 160 mm				
<b>WEIGHT</b>	4 kg	6 kg	7 kg	7 kg				
<b>PROTECTION RATING</b>	IP65	IP65	IP65	IP65				
<b>POWER SUPPLY</b>	400 V AC ±10% 50-60 Hz	400 V AC ±10% 50-60 Hz	400 V AC ±10% 50-60 Hz	400 V AC ±10% 50-60 Hz				
<b>LOAD TYPE</b>	THREE-PHASE	THREE-PHASE	THREE-PHASE	THREE-PHASE				
<b>WORKING TEMPERATURE</b>	-5 ÷ +50 °C	-5 ÷ +50 °C	-5 ÷ +50 °C	-5 ÷ +50 °C				
<b>STORAGE TEMPERATURE</b>	-10 ÷ +70 °C	-10 ÷ +70 °C	-10 ÷ +70 °C	-10 ÷ +70 °C				
<b>RELATIVE AMBIENT HUMIDITY</b>	< 90% RH	< 90% RH	< 90% RH	< 90% RH				
<b>MAIN SWITCH</b>	32 A	32 A	63 A	63 A				
<b>OVERLOAD PROTECTION</b>	THERMAL RELAY	THERMAL RELAY	THERMAL RELAY	THERMAL RELAY				
<b>GENERAL PROTECTION</b>	FUSES	FUSES	FUSES	FUSES				
<b>CONTROL</b>	EXTERNAL PRESSURE SWITCH	EXTERNAL PRESSURE SWITCH	EXTERNAL PRESSURE SWITCH	EXTERNAL PRESSURE SWITCH				
<b>PUMP-DOWN STOP</b>	PRESENT	PRESENT	PRESENT	PRESENT				
<b>INSULATION TRANSFORMER</b>	PRESENT	PRESENT	PRESENT	PRESENT				
<b>STATUS INDICATORS</b>	LED	LED	LED	LED				
<b>INPUTS</b>								
<b>THERMOSTAT OR PRESSURE SWITCH</b>	PRESENT	PRESENT	PRESENT	PRESENT				
<b>OIL DIFFERENTIAL PRESSURE SWITCH</b>		PRESENT	PRESENT	PRESENT				
<b>KRIWAN® CONNECTION</b>	PRESENT	PRESENTE	PRESENTE	PRESENT				
<b>CONDENSER FANS REGULATOR PRESS. SWITCH (R.P.S.)</b>		PRESENT	PRESENT	PRESENT				
<b>OUTPUTS</b>								
<b>COMPRESSOR</b>	2200÷5500 W (3÷7 HP)		5500÷7500 W (7÷10 HP)		7500÷11250 W (10÷15 HP)		11250÷15000 W (15÷20 HP)	
<b>CONDENSER FANS OUTPUT 1</b>	800 W (1PH) TOTAL	(1PH)	2000 W (3PH) OR 1500 W (1PH)		2000 W (3PH) OR 1500 W (1PH)		2000 W (3PH) OR 1500 W (1PH)	
<b>CONDENSER FANS OUTPUT 2 (SEPARATED)</b>		(1PH)	2000 W (3PH) OR 1500 W (1PH)		2000 W (3PH) OR 1500 W (1PH)		2000 W (3PH) OR 1500 W (1PH)	
<b>COMPRESSOR OIL HEATER</b>			PRESENT		PRESENT		PRESENT	