

# HYPERANGE\_B6 VEH

HYPERANGE 030 B6 VEH-1 | HYPERANGE 030 B6 VEH-2  
 HYPERANGE 075 B6 VEH | HYPERANGE 100 B6 VEH

Power and control panel line for refrigeration systems with three-phase compressor up to 10 HP designed for the complete management of the cold room. The different power ranges combined with the simplicity of configuring the operating modes allow the creation of an ad hoc panel for the system. The electronic thermal protections make the panel extremely versatile.



## APPLICATIONS

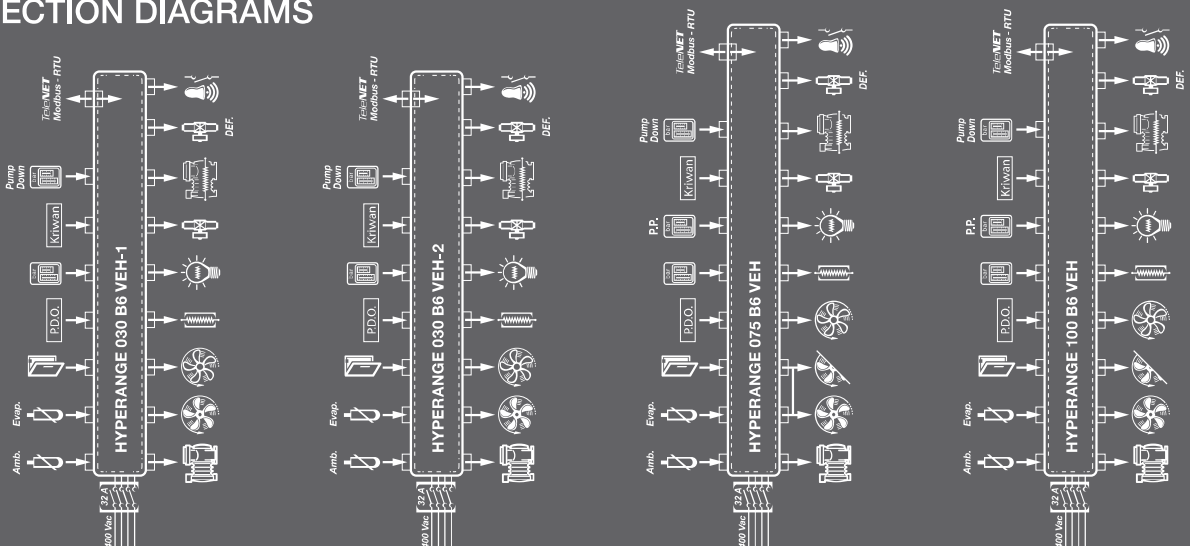
- Complete management of static or ventilated three-phase refrigeration systems up to 10 HP, with off cycle, electric or hot gas defrost, with compressor management with thermostat or pump-down pressure switch.

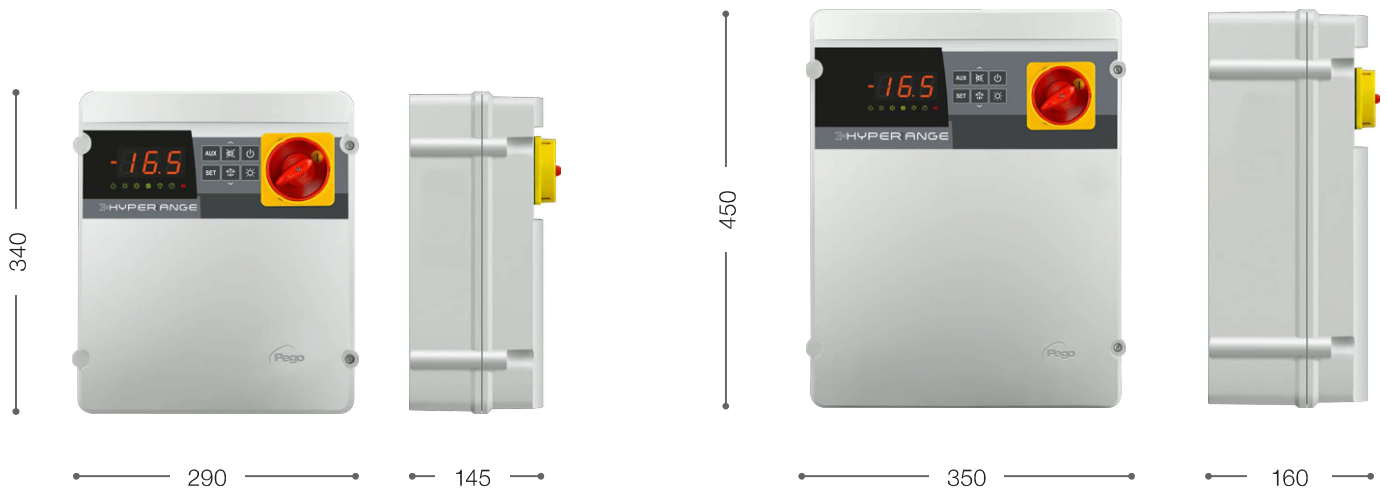
## MAIN CHARACTERISTICS

- Direct management of the compressor, condenser fans, compressor oil heater, defrost heaters, evaporator fans, solenoid valve, cold room light and all the electrical protections required by the regulations.

- Configurable hot gas defrost management
- Configurable pump-down compressor stop management.
- Anti-condensation door heater control.
- Electronic thermal protections for the compressor, for greater versatility
- Configurable digital inputs and outputs
- Compact panel in self-extinguishing ABS with IP65 protection rating and selector switch on the front of the panel.
- Control electronics with large LED display and user-friendly keyboard.
- System status indication with LED icons.
- RS485 for connection to the TeleNET industrial supervision network or Modbus-RTU standard protocol.

## CONNECTION DIAGRAMS





TECHNICAL CHARACTERISTICS	HYPERANGE 030 B6-1	HYPERANGE 030 B6-2	HYPERANGE 075 B6	HYPERANGE 100 B6
BOX DIMENSIONS	290 x 340 x 145 mm	290 x 340 x 145 mm	350 x 450 x 160 mm	350 x 450 x 160 mm
WEIGHT	5 kg	6 kg	6 kg	7 kg
PROTECTION RATING	IP65	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	400 V AC ±10% 50/60 Hz
LOAD TYPE	THREE-PHASE	THREE-PHASE	THREE-PHASE	THREE-PHASE
WORKING TEMPERATURE	-5 ÷ +40 °C	-5 ÷ +40 °C	-5 ÷ +40 °C	-5 ÷ +40 °C
STORAGE TEMPERATURE	-10 ÷ +70 °C	-10 ÷ +70 °C	-10 ÷ +70 °C	-10 ÷ +70 °C
RELATIVE AMBIENT HUMIDITY	< 90% RH	< 90% RH	< 90% RH	< 90% RH
RANGE OF READING	-45 ÷ +99 °C	-45 ÷ +99 °C	-45 ÷ +99 °C	-45 ÷ +99 °C
DOOR LOCK MAIN SWITCH	16 A	25 A	32 A	63 A
COMPRESSOR PROTECTION	ELECTRONIC THERMAL RELAY	ELECTRONIC THERMAL RELAY	ELECTRONIC THERMAL RELAY	ELECTRONIC THERMAL RELAY
GENERAL PROTECTION	MAGNETOTHERMAL SWITCHES	MAGNETOTHERMAL SWITCHES	MAGNETOTHERMAL SWITCHES	MAGNETOTHERMAL SWITCHES
CONTROL	PEGO	PEGO	PEGO	PEGO
DEFROSTING	ELECTRIC / HOT GAS	ELECTRIC / HOT GAS	ELECTRIC / HOT GAS	ELECTRIC / HOT GAS
INSULATION TRANSFORMER	PRESENT	PRESENT	PRESENT	PRESENT
COMPONENT STATUS INDICATORS	LED + DISPLAY	LED + DISPLAY	LED + DISPLAY	LED + DISPLAY
ALARM SIGNALS	LED + BUZZER	LED + BUZZER	LED + BUZZER	LED + BUZZER
<b>INPUTS</b>				
COLD ROOM PROBE	NTC 10 kΩ	NTC 10 kΩ	NTC 10 kΩ	NTC 10 kΩ
EVAPORATOR PROBE	NTC 10 kΩ	NTC 10 kΩ	NTC 10 kΩ	NTC 10 kΩ
DOOR MICRO-SWITCH	PRESENT	PRESENT	PRESENT	PRESENT
PUMP DOWN PRESSURE SWITCH	PRESENT	PRESENT	PRESENT	PRESENT
HIGH/LOW PRESSURE SWITCH	PRESENT	PRESENT	PRESENT	PRESENT
KRIWAN® CONNECTION	PRESENT	PRESENT	PRESENT	PRESENT
<b>OUTPUTS</b>				
COMPRESSOR	MAX 4 A	MAX 12 A	MAX 16 A	MAX 25 A
CONDENSER FANS OUTPUT 1	500 W (1PH)	500 W (1PH)	800 W (1PH)	1500 W (3PH / 1PH)
CONDENSER FANS OUTPUT 2			TOTAL (1PH)	1500 W (3PH / 1PH)
EVAPORATOR FANS	750 W (1PH)	750 W (1PH)	1100 W (1PH)	1500 W (3PH / 1PH)
DEFROSTING HEATERS	4500 W (AC1)	7500 W (AC1)	10500 W (AC1)	15000 W (AC1)
COLD ROOM LIGHT	PRESENT	PRESENT	PRESENTE	PRESENT
SOLENOID VALVE	PRESENT	PRESENT	PRESENTE	PRESENT
COMPRESSOR OIL HEATER	PRESENT	PRESENT	PRESENTE	PRESENT
DOOR HEATER	PRESENT	PRESENT	PRESENTE	PRESENT
HOT GAS SOLENOID VALVE	PRESENT	PRESENT	PRESENTE	PRESENT
ALARM RELAY	PRESENT	PRESENT	PRESENTE	PRESENT
SUPERVISION SYSTEM	TELENET / MODBUS-RTU	TELENET / MODBUS-RTU	TELENET / MODBUS-RTU	TELENET / MODBUS-RTU