ECP300 EXPERT VD

ECP300 Expert VD 4 | ECP300 Expert VD 7

A line of power and control panels for refrigeration systems with three-phase compressor up to 7,5 HP, for the complete management of cold room.

Magnetothermic protection and motor circuit breaker for the compressor accessible from the front panel linked to an innovative form makes it a perfect and functional choice.

Available version with PULSE electronic valve integrated control.



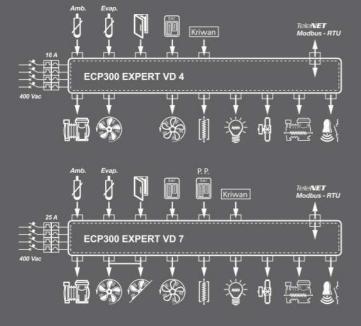
APPLICATIONS

 Control of three-phase refrigeration plant up to 7.5 HP, static or ventilated, with off-cycle or electrical defrosting.

OPTIONS

· Hot-gas defrost control.

CONNECTION DIAGRAMS



MAIN CHARACTERISTICS

- Direct control of the compressor, condenser fans, compressor oil heater, defrosting heaters, evaporator fans, solenoid valve, room light and all standard-compliant electrical safeguards.
- General magnetothermic circuit breaker accessible from the front panel, which cuts the general power supply.
- Adjustable motor circuit breaker for compressor protection accessible from the front panel.
- Easy wiring on the internal terminal block.
- Selection of functioning mode for the compressor (pump-down / thermostat).
- Auxiliary relay with activation configurable by parameter.
- Transparent cover for access to magnetothermic circuit breaker, all with IP 65 protection rating.
- Electronic control with wide LED display and easy to use buttons.
- Signaling with LED icons of the plant status.
- RS485 for connection to TeleNET industrial supervision network or Modbus-RTU standard protocol.

300





400

← 135 **←**

ECP300 EXPERT VD 4			
WEIGHT	TECHNICAL CHARACTERISTICS	ECP300 EXPERT VD 4	ECP300 EXPERT VD 7
PROTECTION RATING	BOX DIMENSIONS	400 X 300 X 135 mm	400 X 300 X 135 mm
POWER SUPPLY 400 V AC ±10% 50/60 Hz 400 V AC ±10% 50/60 Hz LOAD TYPE THREE-PHASE TH-REE-PHASE WORKING TEMPERATURE -5 ± +40°C -5 ± +40°C STORAGE TEMPERATURE -25 ± +65°C -25 ± +65°C STORAGE TEMPERATURE -25 ± +45°C -25 ± +45°C RELATIVE AMBIENT HUMIDITY 30% - 90% Rh W/OUT CONDENSATE 30% - 90% Rh W/OUT CONDENSATE RANGE OF READING -45 ± +45°C -45 ± +45°C MAIN SWITCH / GENERAL PROTECTION 4 POLES MAGNETOTHERMIC 25A COMPRESSOR PROTECTION MOTOR CIRCUIT BREAKER MOTOR CIRCUIT BREAKER CONTROL PEGO PEGO PEGO DEFROSTING ELECTRICAL ELECTRICAL ELECTRICAL STATUS INDICATORS LED + DISPLAY LED + DISPLAY LED + DISPLAY ALARM SIGNALS LED + BUZZER LED + BUZZER LED + BUZZER INPUTS INPUTS NTC 10K Ω NTC 10K Ω NTC 10K Ω DOOR SWITCH PRESENT PRESENT PRESENT PRESENT PRESENT </th <th>WEIGHT</th> <th>9 Kg</th> <th>10 Kg</th>	WEIGHT	9 Kg	10 Kg
LOAD TYPE THREE-PHASE THREE-PHASE WORKING TEMPERATURE -5 ± +40°C -5 ± +40°C STORAGE TEMPERATURE -25 ± +55°C -25 ± +55°C STORAGE TEMPERATURE -25 ± +55°C -25 ± +55°C RELATIVE AMBIENT HUMIDITY 30% - 90% Rh WOUT CONDENSATE 30% - 90% Rh WOUT CONDENSATE RANGE OF READING -45 ± +45°C -45 ± +45°C MAIN SWITCH / GENERAL PROTECTION 4 POLES MAGNETOTHERMIC 16A 4 POLES MAGNETOTHERMIC 25A COMPRESSOR PROTECTION MOTOR CIRCUIT BREAKER MOTOR CIRCUIT BREAKER CONTROL PEGO PEGO DEFROSTING ELECTRICAL ELECTRICAL STATUS INDICATORS LED + BUZZER LED + BUZZER LED + BUZZER LED + BUZZER INPUTS AMBIENT PROBE NTC 10K Ω NTC 10K Ω NTC 10K Ω NTC 10K Ω NTC 10K Ω DOOR SWITCH PRESENT PRESENT HIGHLOW PRESSURE SWITCH PRESENT PRESENT RIVERY PRESENT PRESENT POMP-DOWN / THERMOSTAT PUMP-DOWN / THERMOSTAT<	PROTECTION RATING	IP 65	IP 65
WORKING TEMPERATURE -5 ÷ +40°C -5 ÷ +40°C STORAGE TEMPERATURE -25 ÷ +55°C -25 ÷ +55°C RELATIVE AMBIENT HUMIDITY 30% - 90% Rh W/OUT CONDENSATE 30% - 90% Rh W/OUT CONDENSATE RANGE OF READING -45 ÷ +45°C -45 ÷ +45°C MAIN SWITCH / GENERAL PROTECTION 4 POLES MAGNETOTHERMIC 16A 4 POLES MAGNETOTHERMIC 25A COMPRESSOR PROTECTION MOTOR CIRCUIT BREAKER MOTOR CIRCUIT BREAKER CONTROL PEGO PEGO DEFROSTING ELECTRICAL ELECTRICAL STATUS INDICATORS LED + DISPLAY LED + DISPLAY ALARM SIGNALS LED + BUZZER LED + BUZZER INPUTS AMBIENT PROBE NTC 10K Ω NTC 10K Ω EVAPORATOR PROBE NTC 10K Ω NTC 10K Ω DOOR SWITCH PRESENT PRESENT HIGH/LOW PRESSURE SWITCH PRESENT PRESENT KRIWAN® CONNECTION PRESENT PRESENT OUTPUTS COMPRESSOR FUNCTIONING MODE SELECTION 370 W ÷ 3000 W (0.5 ÷ 4 HP) 3000 W ÷ 5500 W (4 ÷ 7.5 HP)	POWER SUPPLY	400 V AC ±10% 50/60 Hz	400 V AC ±10% 50/60 Hz
COMPRESSOR FUNCTIONING MODE SELECTION PRESENT	LOAD TYPE	THREE-PHASE	THREE-PHASE
RELATIVE AMBIENT HUMIDITY 30% - 90% Rh WOUT CONDENSATE 30% - 90% Rh WOUT CONDENSATE RANGE OF READING -45 ÷ +45°C -45 ÷ +45°C MAIN SWITCH / GENERAL PROTECTION 4 POLES MAGNETOTHERMIC 16A 4 POLES MAGNETOTHERMIC 25A COMPRESSOR PROTECTION MOTOR CIRCUIT BREAKER MOTOR CIRCUIT BREAKER CONTROL PEGO PEGO DEFROSTING ELECTRICAL ELECTRICAL STATUS INDICATORS LED + DISPLAY LED + DISPLAY ALARM SIGNALS LED + BUZZER LED + BUZZER INPUTS AMBIENT PROBE NTC 10K Ω NTC 10K Ω LED + BUZZER UPUTS AMBIENT PROBE NTC 10K Ω NTC 10K Ω NTC 10K Ω NTC 10K Ω NTC 10K Ω DOOR SWITCH PRESENT PRESENT HIGH/LOW PRESSURE SWITCH PRESENT PRESENT COMPRESSOR FUNCTIONING PUMP-DOWN / THERMOSTAT PUMP-DOWN / THERMOSTAT OUTPUTS COMPRESSOR 370 W ÷ 3000 W (0.5 ÷ 4 HP) 800 W (6 ÷ 7.5 HP) CONDENSER FANS OUTPUT 1	WORKING TEMPERATURE	-5 ÷ +40°C	-5 ÷ +40°C
RANGE OF READING -45 ÷ +45°C -45 ÷ +45°C MAIN SWITCH / GENERAL PROTECTION 4 POLES MAGNETOTHERMIC 16A 4 POLES MAGNETOTHERMIC 25A COMPRESSOR PROTECTION MOTOR CIRCUIT BREAKER MOTOR CIRCUIT BREAKER CONTROL PEGO PEGO DEFROSTING ELECTRICAL ELECTRICAL STATUS INDICATORS LED + BISPLAY LED + DISPLAY ALARM SIGNALS LED + BUZZER LED + BUZZER INPUTS AMBIENT PROBE NTC 10K Ω NTC 10K Ω EVAPORATOR PROBE NTC 10K Ω NTC 10K Ω DOOR SWITCH PRESENT PRESENT HIGH/LOW PRESSURE SWITCH PRESENT PRESENT KRIWAN® CONNECTION PRESENT PRESENT OUTPUTS COMPRESSOR FUNCTIONING MODE SELECTION OUTPUTS CONDENSER FANS OUTPUT 1 800 W (0.5) ÷ 4 HP) 800 W (1PH) (1PH) CONDENSER FANS OUTPUT 2 (SEPARATED) 800 W (AC1) EC. RESISTIVE LOAD 9000 W (AC1) EC. RESISTIVE LOAD EVAPORATOR FANS 500 W (AC1) EC. SESISTIVE LOAD 9000 W	STORAGE TEMPERATURE	-25 ÷ +55°C	-25 ÷ +55°C
MAIN SWITCH / GENERAL PROTECTION 4 POLES MAGNETOTHERMIC 16A 4 POLES MAGNETOTHERMIC 25A COMPRESSOR PROTECTION MOTOR CIRCUIT BREAKER MOTOR CIRCUIT BREAKER CONTROL PEGO PEGO DEFROSTING ELECTRICAL ELECTRICAL STATUS INDICATORS LED + DISPLAY LED + DISPLAY ALARM SIGNALS LED + BUZZER LED + BUZZER INPUTS AMBIENT PROBE NTC 10K Ω NTC 10K Ω LECH PROSE DOOR SWITCH PRESENT PRESENT HIGHLOW PRESSURE SWITCH PRESENT PRESENT KRIWAN® CONNECTION PRESENT PRESENT COMPRESSOR FUNCTIONING MODE SELECTION PUMP-DOWN / THERMOSTAT PUMP-DOWN / THERMOSTAT OUTPUTS COMPRESSOR 370 W + 3000 W (0.5 ± 4 HP) 3000 W ± 5500 W (4 ÷ 7.5 HP) CONDENSER FANS OUTPUT 1 800 W (1PH) 800 W (1PH) (1PH) CONDENSER FANS OUTPUT 2 (SEPARATED) 500 W (1PH) 2000 W (1PH) SPH) (1PH) DEFROSTING HEATERS 600 W (AC1) EQ. RESISTIVE LOAD 800 W (AC1) EQ. RESISTIVE LOAD	RELATIVE AMBIENT HUMIDITY	30% - 90% Rh W/OUT CONDENSATE	30% - 90% Rh W/OUT CONDENSATE
COMPRESSOR PROTECTION MOTOR CIRCUIT BREAKER MOTOR CIRCUIT BREAKER CONTROL PEGO PEGO DEFROSTING ELECTRICAL ELECTRICAL STATUS INDICATORS LED + DISPLAY LED + DISPLAY ALARM SIGNALS LED + BUZZER LED + BUZZER INPUTS AMBIENT PROBE NTC 10K Ω NTC 10K Ω EVAPORATOR PROBE NTC 10K Ω NTC 10K Ω DOOR SWITCH PRESENT PRESENT HIGH/LOW PRESSURE SWITCH PRESENT PRESENT KRIWAN® CONNECTION PRESENT PRESENT COMPRESSOR FUNCTIONING MODE SELECTION PUMP-DOWN / THERMOSTAT PUMP-DOWN / THERMOSTAT OUTPUTS COMPRESSOR 370 W + 3000 W (0.5 ± 4 HP) 3000 W ± 5500 W (4 ± 7.5 HP) COMPRESSOR 370 W + 3000 W (1PH) 800 W (1PH) (1PH) CONDENSER FANS OUTPUT 2 (SEPARATED) 800 W (1PH) (1PH) EVAPORATOR FANS 500 W (1PH) 800 W (2PH) (1PH) DEFROSTING HEAT	RANGE OF READING	-45 ÷ +45°C	-45 ÷ +45°C
CONTROL PEGO PEGO DEFROSTING ELECTRICAL ELECTRICAL STATUS INDICATORS LED + DISPLAY LED + DISPLAY ALARM SIGNALS LED + BUZZER LED + BUZZER INPUTS INPUTS AMBIENT PROBE NTC 10K Ω NTC 10K Ω DOOR SWITCH PRESENT PRESENT HIGH/LOW PRESSURE SWITCH PRESENT PRESENT HIGH/LOW PRESSURE SWITCH PRESENT PRESENT KRIWAN® CONNECTION PRESENT PRESENT OUTPUTS COMPRESSOR FUNCTIONING MODE SELECTION PUMP-DOWN / THERMOSTAT PUMP-DOWN / THERMOSTAT OUTPUTS COMPESSOR 370 W ÷ 3000 W (0.5 ÷ 4 HP) 3000 W ÷ 5500 W (4 ÷ 7,5 HP) COMPRESSOR 370 W ÷ 3000 W (0.5 ÷ 4 HP) 800 W (1PH) (1PH) CONDENSER FANS OUTPUT 1 800 W (1PH) (1PH) CONDENSER FANS OUTPUT 2 (SEPARATED) 800 W (1PH) 800 W (1PH) (1PH) DEFROSTING HEATERS 500 W (ACT) EGISTIVE LOAD 9000 W (ACT) EGISTIVE LOAD SOOW (ACT	MAIN SWITCH / GENERAL PROTECTION	4 POLES MAGNETOTHERMIC 16A	4 POLES MAGNETOTHERMIC 25A
DEFROSTING ELECTRICAL ELECTRICAL STATUS INDICATORS LED + DISPLAY LED + DISPLAY ALARM SIGNALS LED + BUZZER LED + BUZZER INPUTS INPUTS AMBIENT PROBE NTC 10K Ω NTC 10K Ω EVAPORATOR PROBE NTC 10K Ω NTC 10K Ω DOOR SWITCH PRESENT PRESENT HIGH/LOW PRESSURE SWITCH PRESENT PRESENT COMPRESSOR FUNCTIONING PUMP-DOWN / THERMOSTAT PUMP-DOWN / THERMOSTAT OUTPUTS COMPRESSOR 370 W ÷ 3000 W (0.5 ÷ 4 HP) 3000 W ÷ 5500 W (4 ÷ 7.5 HP) COMPRESSOR SOU W (1PH) (1PH) COMPRESSOR FANS OUTPUT 1 800 W (1PH) (1PH) EVAPORATOR FANS 500 W (1PH) 2000 W (1PH) / 3PH) DEFROSTING HEATERS 6000 W (AC1) EQ. RESISTIVE LOAD 9000 W (AC1) EQ. RESISTIVE LOAD 800 W (AC1) EQ. RESISTIVE LOAD 800 W (AC1)	COMPRESSOR PROTECTION	MOTOR CIRCUIT BREAKER	MOTOR CIRCUIT BREAKER
STATUS INDICATORS LED + DISPLAY LED + BUZZER AMBIENT PROBE NTC 10K Ω NTC 10K Ω NTC 10K Ω NTC 10K Ω DOOR SWITCH PRESENT PRESENT PRESENT HIGH/LOW PRESSURE SWITCH RRIWAN® CONNECTION PRESENT PRESENT PRESENT PRESENT COMPRESSOR FUNCTIONING MODE SELECTION OUTPUTS COMPRESSOR 370 W ÷ 3000 W (0,5 ÷ 4 HP) 3000 W ÷ 5500 W (4 ÷ 7,5 HP) CONDENSER FANS OUTPUT 1 800 W (1PH) BOOW W (1PH) DEFROSTING HEATERS 6000 W (AC1) EQ. RESISTIVE LOAD ROOM LIGHT 800 W (AC1) EQ. RESISTIVE LOAD SOLENOID VALVE PRESENT PRESENT PRESENT PRESENT PRESENT PRESENT PRESENT PRESENT PRESENT	CONTROL	PEGO	PEGO
ALARM SIGNALS LED + BUZZER LED + BUZZER INPUTS AMBIENT PROBE NTC 10K Ω NTC 10K Ω	DEFROSTING	ELECTRICAL	ELECTRICAL
INPUTS AMBIENT PROBE NTC 10K Ω NTC 10K Ω EVAPORATOR PROBE NTC 10K Ω NTC 10K Ω DOOR SWITCH PRESENT PRESENT HIGH/LOW PRESSURE SWITCH PRESENT COMPRESSOR FUNCTIONING PUMP-DOWN / THERMOSTAT OUTPUTS COMPRESSOR 370 W ÷ 3000 W (0.5 ÷ 4 HP) 3000 W ÷ 5500 W (4 ÷ 7.5 HP) CONDENSER FANS OUTPUT 1 800 W (1PH) (1PH) CONDENSER FANS OUTPUT 2 (SEPARATED) EVAPORATOR FANS DOWN (AC1) EQ. RESISTIVE LOAD ROOM LIGHT SOLENOID VALVE PRESENT	STATUS INDICATORS	LED + DISPLAY	LED + DISPLAY
AMBIENT PROBENTC 10K ΩNTC 10K ΩEVAPORATOR PROBENTC 10K ΩNTC 10K ΩDOOR SWITCHPRESENTPRESENTHIGH/LOW PRESSURE SWITCHPRESENTPRESENTKRIWAN® CONNECTIONPRESENTPRESENTCOMPRESSOR FUNCTIONING MODE SELECTIONPUMP-DOWN / THERMOSTATPUMP-DOWN / THERMOSTATOUTPUTSCOMPRESSOR370 W ÷ 3000 W (0.5 ÷ 4 HP)3000 W ÷ 5500 W (4 ÷ 7.5 HP)CONDENSER FANS OUTPUT 1800 W (1PH)(1PH)CONDENSER FANS OUTPUT 2 (SEPARATED)EVAPORATOR FANS500 W (1PH)2000 W (1PH / 3PH)DEFROSTING HEATERS6000 W (AC1) EQ. RESISTIVE LOAD9000 W (AC1) EQ. RESISTIVE LOADROOM LIGHT800 W (AC1) RESISTIVE LOAD800 W (AC1) RESISTIVE LOADSOLENOID VALVEPRESENTPRESENTCOMPRESSOR OIL HEATERPRESENTPRESENTALARM RELAYPRESENTPRESENT	ALARM SIGNALS	LED + BUZZER	LED + BUZZER
EVAPORATOR PROBE NTC 10K Ω NTC 10K Ω DOOR SWITCH PRESENT PRESENT HIGH/LOW PRESSURE SWITCH PRESENT PRESENT KRIWAN® CONNECTION PRESENT PRESENT COMPRESSOR FUNCTIONING MODE SELECTION PUMP-DOWN / THERMOSTAT PUMP-DOWN / THERMOSTAT OUTPUTS COMPRESSOR 370 W ÷ 3000 W (0.5 ÷ 4 HP) 3000 W ÷ 5500 W (4 ÷ 7.5 HP) CONDENSER FANS OUTPUT 1 800 W (1PH) (1PH) CONDENSER FANS OUTPUT 2 (SEPARATED) 500 W (1PH) 2000 W (1PH / 3PH) EVAPORATOR FANS 500 W (AC1) EQ. RESISTIVE LOAD 9000 W (AC1) EQ. RESISTIVE LOAD BOOM LIGHT 800 W (AC1) RESISTIVE LOAD 800 W (AC1) RESISTIVE LOAD SOLENOID VALVE PRESENT PRESENT COMPRESSOR OIL HEATER PRESENT PRESENT ALARM RELAY PRESENT PRESENT		INPUTS	
DOOR SWITCH PRESENT PRESENT HIGH/LOW PRESSURE SWITCH PRESENT PRESENT KRIWAN® CONNECTION PRESENT PRESENT COMPRESSOR FUNCTIONING MODE SELECTION PUMP-DOWN / THERMOSTAT PUMP-DOWN / THERMOSTAT OUTPUTS COMPRESSOR 370 W ÷ 3000 W (0,5 ÷ 4 HP) 3000 W ÷ 5500 W (4 ÷ 7,5 HP) CONDENSER FANS OUTPUT 1 800 W (1PH) (1PH) CONDENSER FANS OUTPUT 2 (SEPARATED) TOTAL (1PH) EVAPORATOR FANS 500 W (1PH) 2000 W (1PH / 3PH) DEFROSTING HEATERS 6000 W (AC1) EQ. RESISTIVE LOAD 9000 W (AC1) EQ. RESISTIVE LOAD ROOM LIGHT 800 W (AC1) RESISTIVE LOAD 800 W (AC1) RESISTIVE LOAD SOLENOID VALVE PRESENT PRESENT COMPRESSOR OIL HEATER PRESENT PRESENT ALARM RELAY PRESENT PRESENT	AMBIENT PROBE	NTC 10K Ω	NTC 10K Ω
HIGH/LOW PRESSURE SWITCH PRESENT PRESENT KRIWAN® CONNECTION PRESENT PRESENT COMPRESSOR FUNCTIONING MODE SELECTION PUMP-DOWN / THERMOSTAT PUMP-DOWN / THERMOSTAT OUTPUTS COMPRESSOR 370 W ÷ 3000 W (0,5 ÷ 4 HP) 3000 W ÷ 5500 W (4 ÷ 7,5 HP) CONDENSER FANS OUTPUT 1 800 W (1PH) (1PH) CONDENSER FANS OUTPUT 2 (SEPARATED) 500 W (1PH) 2000 W (1PH / 3PH) EVAPORATOR FANS 500 W (1PH) 2000 W (1PH / 3PH) DEFROSTING HEATERS 6000 W (AC1) EQ. RESISTIVE LOAD 9000 W (AC1) EQ. RESISTIVE LOAD ROOM LIGHT 800 W (AC1) RESISTIVE LOAD 800 W (AC1) RESISTIVE LOAD SOLENOID VALVE PRESENT COMPRESSOR OIL HEATER PRESENT ALARM RELAY PRESENT	EVAPORATOR PROBE	NTC 10K Ω	NTC 10K Ω
KRIWAN® CONNECTION PRESENT PRESENT COMPRESSOR FUNCTIONING MODE SELECTION PUMP-DOWN / THERMOSTAT PUMP-DOWN / THERMOSTAT OUTPUTS COMPRESSOR 370 W ÷ 3000 W (0,5 ÷ 4 HP) 3000 W ÷ 5500 W (4 ÷ 7,5 HP) CONDENSER FANS OUTPUT 1 800 W (1PH) (1PH) CONDENSER FANS OUTPUT 2 (SEPARATED) 500 W (1PH) 2000 W (1PH / 3PH) EVAPORATOR FANS 500 W (1PH) 2000 W (AC1) EQ. RESISTIVE LOAD DEFROSTING HEATERS 6000 W (AC1) EQ. RESISTIVE LOAD 9000 W (AC1) EQ. RESISTIVE LOAD ROOM LIGHT 800 W (AC1) RESISTIVE LOAD 800 W (AC1) RESISTIVE LOAD SOLENOID VALVE PRESENT PRESENT COMPRESSOR OIL HEATER PRESENT PRESENT ALARM RELAY PRESENT PRESENT	DOOR SWITCH	PRESENT	PRESENT
COMPRESSOR FUNCTIONING MODE SELECTION PUMP-DOWN / THERMOSTAT PUMP-DOWN / THERMOSTAT OUTPUTS COMPRESSOR 370 W ÷ 3000 W (0,5 ÷ 4 HP) 3000 W ÷ 5500 W (4 ÷ 7,5 HP) CONDENSER FANS OUTPUT 1 800 W (1PH) 800 W (1PH) (1PH) CONDENSER FANS OUTPUT 2 (SEPARATED) TOTAL (1PH) EVAPORATOR FANS 500 W (1PH) 2000 W (1PH / 3PH) DEFROSTING HEATERS 6000 W (AC1) EQ. RESISTIVE LOAD 9000 W (AC1) EQ. RESISTIVE LOAD ROOM LIGHT 800 W (AC1) RESISTIVE LOAD 800 W (AC1) RESISTIVE LOAD SOLENOID VALVE PRESENT PRESENT COMPRESSOR OIL HEATER PRESENT PRESENT ALARM RELAY PRESENT PRESENT	HIGH/LOW PRESSURE SWITCH	PRESENT	PRESENT
PUMP-DOWN / THERMOSTAL OUTPUTS COMPRESSOR 370 W ÷ 3000 W (0,5 ÷ 4 HP) 3000 W ÷ 5500 W (4 ÷ 7,5 HP) CONDENSER FANS OUTPUT 1 800 W (1PH) (1PH) CONDENSER FANS OUTPUT 2 (SEPARATED) TOTAL (1PH) EVAPORATOR FANS 500 W (1PH) 2000 W (1PH / 3PH) DEFROSTING HEATERS 6000 W (AC1) EQ. RESISTIVE LOAD 9000 W (AC1) EQ. RESISTIVE LOAD ROOM LIGHT 800 W (AC1) RESISTIVE LOAD 800 W (AC1) RESISTIVE LOAD SOLENOID VALVE PRESENT PRESENT COMPRESSOR OIL HEATER PRESENT PRESENT ALARM RELAY PRESENT PRESENT	KRIWAN® CONNECTION	PRESENT	PRESENT
COMPRESSOR 370 W ÷ 3000 W (0,5 ÷ 4 HP) 3000 W ÷ 5500 W (4 ÷ 7,5 HP) CONDENSER FANS OUTPUT 1 800 W (1PH) 800 W (1PH) (1PH) CONDENSER FANS OUTPUT 2 (SEPARATED) TOTAL (1PH) EVAPORATOR FANS 500 W (1PH) 2000 W (1PH / 3PH) DEFROSTING HEATERS 6000 W (AC1) EQ. RESISTIVE LOAD 9000 W (AC1) EQ. RESISTIVE LOAD ROOM LIGHT 800 W (AC1) RESISTIVE LOAD 800 W (AC1) RESISTIVE LOAD SOLENOID VALVE PRESENT PRESENT COMPRESSOR OIL HEATER PRESENT PRESENT ALARM RELAY PRESENT PRESENT		PUMP-DOWN / THERMOSTAT	PUMP-DOWN / THERMOSTAT
CONDENSER FANS OUTPUT 1 800 W (1PH) (1PH) CONDENSER FANS OUTPUT 2 (SEPARATED) TOTAL (1PH) EVAPORATOR FANS 500 W (1PH) 2000 W (1PH / 3PH) DEFROSTING HEATERS 6000 W (AC1) EQ. RESISTIVE LOAD 9000 W (AC1) EQ. RESISTIVE LOAD ROOM LIGHT 800 W (AC1) RESISTIVE LOAD 800 W (AC1) RESISTIVE LOAD SOLENOID VALVE PRESENT PRESENT COMPRESSOR OIL HEATER PRESENT PRESENT ALARM RELAY PRESENT PRESENT		OUTPUTS	
CONDENSER FANS OUTPUT 2 (SEPARATED) TOTAL (1PH) EVAPORATOR FANS 500 W (1PH) 2000 W (1PH / 3PH) DEFROSTING HEATERS 6000 W (AC1) EQ. RESISTIVE LOAD 9000 W (AC1) EQ. RESISTIVE LOAD ROOM LIGHT 800 W (AC1) RESISTIVE LOAD 800 W (AC1) RESISTIVE LOAD SOLENOID VALVE PRESENT PRESENT COMPRESSOR OIL HEATER PRESENT PRESENT ALARM RELAY PRESENT PRESENT	COMPRESSOR	370 W ÷ 3000 W (0,5 ÷ 4 HP)	3000 W ÷ 5500 W (4 ÷ 7,5 HP)
EVAPORATOR FANS 500 W (1PH) 2000 W (1PH / 3PH) DEFROSTING HEATERS 6000 W (AC1) EQ. RESISTIVE LOAD 9000 W (AC1) EQ. RESISTIVE LOAD ROOM LIGHT 800 W (AC1) RESISTIVE LOAD 800 W (AC1) RESISTIVE LOAD SOLENOID VALVE PRESENT PRESENT COMPRESSOR OIL HEATER PRESENT PRESENT ALARM RELAY PRESENT PRESENT	CONDENSER FANS OUTPUT 1	800 W (1PH)	800 W (1PH) (1PH)
DEFROSTING HEATERS 6000 W (AC1) EQ. RESISTIVE LOAD 9000 W (AC1) EQ. RESISTIVE LOAD ROOM LIGHT 800 W (AC1) RESISTIVE LOAD 800 W (AC1) RESISTIVE LOAD SOLENOID VALVE PRESENT PRESENT COMPRESSOR OIL HEATER PRESENT PRESENT ALARM RELAY PRESENT PRESENT	CONDENSER FANS OUTPUT 2 (SEPARATED)		TOTAL (1PH)
ROOM LIGHT 800 W (AC1) RESISTIVE LOAD 800 W (AC1) RESISTIVE LOAD SOLENOID VALVE PRESENT PRESENT COMPRESSOR OIL HEATER PRESENT PRESENT ALARM RELAY PRESENT PRESENT	EVAPORATOR FANS	500 W (1PH)	2000 W (1PH / 3PH)
SOLENOID VALVE PRESENT PRESENT COMPRESSOR OIL HEATER PRESENT PRESENT ALARM RELAY PRESENT PRESENT PRESENT	DEFROSTING HEATERS	6000 W (AC1) EQ. RESISTIVE LOAD	9000 W (AC1) EQ. RESISTIVE LOAD
COMPRESSOR OIL HEATER PRESENT PRESENT PRESENT ALARM RELAY PRESENT PRESENT	ROOM LIGHT	800 W (AC1) RESISTIVE LOAD	800 W (AC1) RESISTIVE LOAD
ALARM RELAY PRESENT PRESENT	SOLENOID VALVE	PRESENT	PRESENT
	COMPRESSOR OIL HEATER	PRESENT	PRESENT
SUPERVISION SYSTEM TELENET / MODBUS-RTU TELENET / MODBUS-RTU	ALARM RELAY	PRESENT	PRESENT
	SUPERVISION SYSTEM	TELENET / MODBUS-RTU	TELENET / MODBUS-RTU