



CT-10

Clean, silent and efficient refrigeration.

- Lowest environmental impact
- Ideal for distribution services
- Extreme low noise: PIEK certified
- Precise temperature control

PERFORMANCE

REFRIGERATION CAPACITY SYSTEM NET COOLING CAPACITY UNDER A.T.P. CONDITIONS AT 30 °C AMBIENT		AIRFLOW ON HIGH SPEED ENGINE OPERATION	
Capacity on vehicle power/electric standby S-2 CT 0°C	5800 W	Airflow volume @ 0 pa static pressure S-2 CT	1360 m3/hr
Capacity on vehicle power/electric standby S-2 CT -20°C	5200 W	Airflow volume @ 0 pa static pressure S-3 CT	2040 m3/hr
Capacity on vehicle power/electric standby S-3 CT 0°C	8800 W	Discharge velocity - airtrow S-2 CT	9.1 m3/hr
Capacity on vehicle power/electric standby S-3 CT -20°C	7800 W	Discharge velocity - airtrow S-3 CT	9.1 m3/hr

TECHNICAL DATA

GENERIC (BOXLENGTH, REFRIGERANT, ...)		HOST UNIT ELECTRIC STANDBY	
Boxlength	Up to 9 m	AC Voltage/Phase/Cycles (system voltage)	380/3/50 -- 230/3/50 -- 230/1/60 (12v)
Airflow	1360 - 2040 m3/hr		
Controller	Smart Reefer 3		
Weight Electric Control Module	49 kg		
Weight Tank 330L	171 kg		
Weight Tank 330L + CO2	544 kg		
Weight Tank 430L	207 kg		
Weight Tank 430L + CO2	696 kg		
Heating capacity per evaporator	5650 - 6850 W		

REFRIGERANT: RECYCLED LIQUID CO2, R-744		SAMPLE ZONE CONFIGURATION	
Charge, 330L Tank	Maximum 373 kg	ZONE 1 Evaporator	S-2 CT
Charge, 430L Tank	Maximum 489 kg	ZONE 1 Cooling Capacity	5800 W
		ZONE 1 EVAPORATOR	1360 W



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Capacity on vehicle power/electric standby S-2 CT 0°C	5800 W	Airflow volume @ 0 pa static pressure S-2 CT	1360 m3/hr
Capacity on vehicle power/electric standby S-2 CT -20°C	5200 W	Airflow volume @ 0 pa static pressure S-3 CT	2040 m3/hr
Capacity on vehicle power/electric standby S-3 CT 0°C	8800 W	Discharge velocity - airthrow S-2 CT	9.1 m3/hr
Capacity on vehicle power/electric standby S-3 CT -20°C	7800 W	Discharge velocity - airthrow S-3 CT	9.1 m3/hr

TECHNICAL DATA

GENERIC (BOXLENGTH, REFRIGERANT, ...)		REFRIGERANT: RECYCLED LIQUID CO2, R-744	
Boxlength	Up to 13 m	Charge, 330L Tank	Maximum 373 kg
Airflow	1360 - 2040 m3/hr	Charge, 430L Tank	Maximum 489 kg
Controller	Smart Reefer 3		
Weight Electric Control Module	145 kg		
Weight Tank 330L	171 kg		
Weight Tank 330L + CO2	544 kg		
Weight Tank 430L	207 kg		
Weight Tank 430L + CO2	696 kg		
Heating capacity per evaporator	5650 - 8650 W		

CRYOTECH - SINGLE TEMPERATURE

SAMPLE ZONE CONFIGURATION

ZONE 1 Evaporator	S-3 CT
ZONE 1 Cooling Capacity	8800 W
ZONE 1 EVAPORATOR	2040 W



CT-10 SPECTRUM

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Capacity on vehicle power/electric standby S-2 CT 0°C	5800 W	Airflow volume @ 0 pa static pressure S-2 CT	1360 m3/hr
Capacity on vehicle power/electric standby S-2 CT -20°C	5200 W	Airflow volume @ 0 pa static pressure S-3 CT	2040 m3/hr
Capacity on vehicle power/electric standby S-3 CT 0°C	8800 W	Discharge velocity - airtrow S-2 CT	9.1 m3/hr
Capacity on vehicle power/electric standby S-3 CT -20°C	7800 W	Discharge velocity - airtrow S-3 CT	9.1 m3/hr

TECHNICAL DATA

GENERIC (BOXLENGTH, REFRIGERANT, ...)		HOST UNIT ELECTRIC STANDBY	
Boxlength	Up to 9 m	AC Voltage/Phase/Cycles (system voltage)	380/3/50 -- 230/3/50 -- 230/1/60 (12v)
Airflow	1360 - 4080 m3/hr		
Controller	Smart Reefer 3		
Weight Electric Control Module	49 kg		
Weight Tank 330L	171 kg		
Weight Tank 330L + CO2	544 kg		
Weight Tank 430L	207 kg		
Weight Tank 430L + CO2	696 kg		
Heating capacity per evaporator	5650 - 6850 W		

REFRIGERANT: RECYCLED LIQUID CO2, R-744		SAMPLE ZONE CONFIGURATION	
Charge, 330L Tank	Maximum 373 kg	ZONE 1 Evaporator	S-2 CT
Charge, 430L Tank	Maximum 489 kg	ZONE 1 Cooling Capacity	5800 W
		ZONE 1 EVAPORATOR	1360 W
		ZONE 2 Evaporator	S-3 CT
		ZONE 2 Cooling Capacity	8800 W
		ZONE 2 EVAPORATOR	2040 W

ELECTRICAL STAND BY MOTOR	
Voltage / Phase / Frequency	400/3/50 -- 230/3/50



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Capacity on vehicle power/electric standby S-3 CT 0°C	8800 W	Discharge velocity - airthrow S-2 CT	9.1 m3/hr
Capacity on vehicle power/electric standby S-3 CT -20°C	7800 W	Discharge velocity - airthrow S-3 CT	9.1 m3/hr

TECHNICAL DATA

GENERIC (BOXLENGTH, REFRIGERANT, ...)		HOST UNIT ELECTRIC STANDBY	
Boxlength	Up to 13 m	AC Voltage/Phase/Cycles (system voltage)	380/3/50 -- 230/3/50 -- 115/1/60 (12v)
Airflow	1360 - 6120 m3/hr		
Controller	Smart Reefer 3		
Weight Electric Control Module	145 kg		
Weight Tank 330L	171 kg		
Weight Tank 330L + CO2	544 kg		
Weight Tank 430L	207 kg		
Weight Tank 430L + CO2	696 kg		
Heating capacity per evaporator	5650 -8650 W		

CRYOTECH - MULTI TEMPERATURE

REFRIGERANT: RECYCLED LIQUID CO2, R-744		SAMPLE ZONE CONFIGURATION	
Charge, 330L Tank	Maximum 373 kg	ZONE 1 Evaporator	S-2 CT
Charge, 430L Tank	Maximum 489 kg	ZONE 1 Cooling Capacity	5800 W
		ZONE 1 EVAPORATOR	1360 W
		ZONE 2 Evaporator	S-3 CT
		ZONE 2 Cooling Capacity	8800 W
		ZONE 2 EVAPORATOR	2040 W
		ZONE 3 Evaporator	S-3 CT
		ZONE 3 Cooling Capacity	8800 W
		ZONE 3 EVAPORATOR	2040 W

ELECTRICAL STAND BY MOTOR	
Voltage / Phase / Frequency	400/3/50 -- 230/3/50