



Tecumseh

- ▶ R290
- ▶ Capacity up to 25 kW
- ▶ 100% variable speed

INFINEE

Water chiller for refrigeration.
Respectful of the environment.

KEY FEATURES AND BENEFITS

- ▶ Optimised for **refrigeration applications with negative water temperatures:**
 - Water outlet temperature down to -8°C
 - Compatible with Propylene and Ethylene glycol
 - Variable speed semi-hermetic compressor
- ▶ **Propane (R290), environmentally friendly refrigerant**
 - High efficiency (better than HFC and HFO)
 - GWP < 3
- ▶ **Compact**
 - High power per m^2
 - Integrated hydraulic module
- ▶ **Safe by design**
 - Outdoor installation
 - Passive safeties
 - Low-maintenance and easy access to components



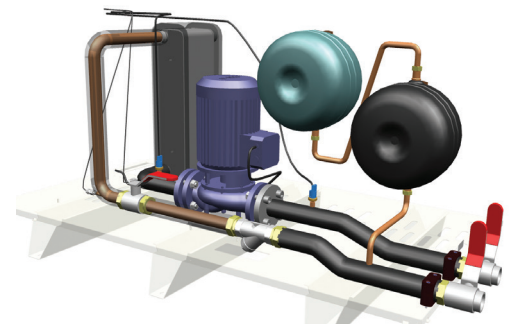
APPLICATIONS

Convenience store, supermarkets, food industry, industrial process, etc.



FULL HYDRAULIC MODULE

- ▶ High static pressure pump with speed inverter
- ▶ Brased plates heat exchanger
- ▶ Expansion vessels (2 x 8 l)
- ▶ Water strainer
- ▶ Pressure sensors (x2)
- ▶ Isolation valves (x3)





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GENERAL FEATURES

WEIGHT	
Unit filled with water weight	400 kg
REFRIGERATION	
Operating pressure (valves) HP/BP	24 bar HP / 18 bar BP
Test pressure	26.4 bar
EVAPORATOR	
Type	Plate
REFRIGERANT	
Type	R290 propane
Propane load	4 kg
Oil type	PAG 68
Oil load	1.6 l
CONDENSER	
Type	Copper tube and aluminium fins
Surface	0.884 m ²
FAN	
Type	Helicoid
Maximum total airflow	6225 m ³ /h
Maximum rotation speed	970 rpm
HYDRAULIC	
Nominal flow	4.47 m ³ /h
Expansion vessel maximum pressure	10 bar
Hydraulic connection	Connector 40/49
ELECTRICITY	
Rated voltage	380-420 V 3-N/PE 50 Hz
Maximum current (MRA)	40.8 A
EMC class	Class B (residential)
EMC (Emissions)	Class B NF EN 61000-6-3 (residential)
EMC (immunity)	Class B NF EN 61000-6-2 (industrial)

SOUND LEVEL

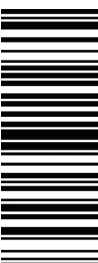
	Compressor frequency	
	50 Hz	85 Hz
Sound power level (L _w dBA)	79.2	88.1
Pressure level at 10 m (L _p dBA)	51.2	60.1

COOLING CAPACITY

Ambient Temp. (°C)	Compressor Freq. (Hertz)	Output Temp. (°C)	Inlet temp. (°C)	Cooling capacity (kW)	COP refrigeration	Water + glycol flow (m ³ /h)	Cop Machine
35	25	-8	-4	7.42	2.64	1.71	1.92
35	30	-8	-4	8.69	2.60	2.01	1.98
35	35	-8	-4	9.94	2.55	2.29	2.01
35	40	-8	-4	11.1	2.50	2.57	2.02
35	45	-8	-4	12.3	2.44	2.84	2.02
35	50	-8	-4	13.5	2.39	3.11	2.01
35	55	-8	-4	14.6	2.33	3.36	1.99
35	60	-8	-4	15.6	2.27	3.61	1.97
35	65	-8	-4	16.7	2.22	3.85	1.94
35	70	-8	-4	17.7	2.16	4.08	1.91
35	75	-8	-4	18.6	2.10	4.30	1.88
35	80	-8	-4	19.6	2.05	4.52	1.85
35	85	-8	-4	20.5	2.00	4.72	1.81

DIMENSIONS

Height	1 572 mm
Depth with feet	924 mm
Depth	836 mm
Length	1 518 mm



NWVD0232