Unit Overview

Unit Model			
Refrigerant			
Compressor type	Scroll		
Eta s,c / SEER	165.00 % / 4.21	Compliant	(1)

Project conditions

	Cooling		(1)
Outdoor air dry bulb temperature	35.0 C		
Fluid entering temperature	12.0 C		
Fluid leaving temperature	7.0 C		
Fluid type and concentration	Ethylene glycol	35.00 %	
Fouling Factor	0.000000 m2-deg C/kW		
Elevation	0.0 m		

Unit performance

	Cooling
Net capacity	103.81 kW
Net unit power	34.43 kW
Gross EER	3.03 EER (kW/kW)
Net EER	3.01 EER (kW/kW)
Design flow rate	5.55 L/s
Evaporator Pressure drop (Design)	26.2 kPa

Acoustics

	Outdoor sound power level		84 dBA		(4)
Outdoor sound pressure	**1m**	**5m**	**10m**	**20m**	
	66 dBA	57 dBA	52 dBA	47 dBA	

General data - refrigerant circuit

Refrigerant	R454B
Number of compressors (circuit 1 / 2... n)	2.00
Number of circuits	1.00
Refrigerant charge per circuit	13.00
Oil charge per circuit	13 kg

General data - fan section

Fans	EC Fans
Number of outdoor fans	2.00
Total nominal airflow	42459.00

Electrical data

Start-up current	260.60 A
Maximum running current	84.40 A
Maximum power at maximum current	47.70 kW
Total Compressor Power	30.88 kW

Dimensions and weight

Length (L)	2489 mm
Width (W)	1004 mm
Height (H)	2408 mm
Operating weight	868 kg

Options

Hydraulic Kit	Without
Victaulic caps and clamps	Without
Victaulic clamps	Without
Phase fail. prot.relay + U/O volt Protec	Without
Automatic Circuit breakers	Automatic Circuit breakers
Remote control display	Without
Communication card	Serial card with BACnet¿ Protocol MS/TP
Flow switch	Flow switch
Water gauges	Without
Gas gauges	Without
Automatic water filling	Without
Water strainer	Without
Isolators	Rubber antivibration mounts
Victaulic kit	Without
Sea container package	Without
Power factor correction	Without
Literature language	Polish
Control panel electric heater with therm	Control panel electric heater with therm
3-way valve for hot sanitary water	Without
Flex Master controller	Without
Ethernet switch	Without
Refrigerant leak detector	Without
Unit Branding	Trane

Applicable standards

(1) According to EN14825:2018, considering average climate

(2) According to EN14511:2018

(3) Average sound pressure at 10 meter distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level

(4) Sound power measurements in accordance with ISO 9614:2009 (part 1)

More information

Model Number	
Litweb documentation	

Water pressure drop reported here does not include some accessories selected. Please refer to the specific engineering bulletin published in Litweb for further details.