

Solution Overview

	1	2
Model reference	EWAQ260DAYN	EWAQ240DAYN
Application	STD	STD
Option Code	T--Q-	T--Q-
Cooling		
Required total capacity	250,0kW	250,0kW
Deviation	0,9%	-6,2%
Capacity	252,2kW	234,6kW
Power input	95,7kW	84,3kW
EER	2,6	2,8
ESEER	3,73	3,89
Heating		
Required total capacity		
Deviation		
Capacity		
Power input		
COP		
Heat recovery mode	<none>	<none>
Cooling capacity (CC HR)		
Power input (PI HR)		
Heating capacity (HC HR)		
COP		
% heat recovery		
Sound		
Sound power	88,0dBA	88,0dBA
Sound pressure level @ 1m	68,0dBA	68,0dBA
Sound pressure level @ 5m	60,4dBA	60,4dBA
Sound pressure level @ 10m	55,7dBA	55,7dBA
Eurovent		
Certified	Yes	Yes
EER @ 100%		

1. Selected chiller solution

1.1. Selection data

Full Model Reference	Base Model	Option Code	Application
EWAQ260DAYNT--Q-	EWAQ260DAYN	T--Q-	STD

Selection data		Compressor	
Condenser	Air cooled	Type	Scroll
Family	Cooling only	Quantity	4
Refrigerant	R410A	Number of compressor steps	0-25-50-75-100

Cooling			
Required total capacity	250,0kW		
Deviation	0,9%		
Capacity	252,2kW		
Power input	95,7kW		
EER	2,6		

Evaporator		Condenser	
Leaving fluid temperature	7,0°C	Type	Air cooled
Entering fluid temperature	12,0°C	Ambient summer temperature	35,0°C
Delta T	5,0°C		
Fluid flow rate	12,1l/s		
Fluid pressure drop	82122Pa		

Electrical data		Mechanical data / Hydronics	
Power supply	3Nx400V, 50Hz (Y1)	Height	2311mm
Max. start current	468,0A	Width	2000mm
Max. run current	290,0A	Depth	4850mm
Max. compressor run current	65,0A	Weight	3250,0kg
Fuses	Factory Std	Buffer tank volume	
Voltage limits	380V - 415V	Available pump ESP	121311Pa

Please check the minimum required water volume in the system, as indicated in the databook.

- Equipment is Eurovent Certified and conforms to the following standard: Eurovent 6/C/2006
- Power input equals the total unit power input to include compressor, fans and control circuits (excludes pumps).
- The weight is excluding the selection options (naked model only). Please contact the factory for the extra shipping weight.
- For additional detail on maximum electrical rating conditions, please refer to the Engineering Data Book

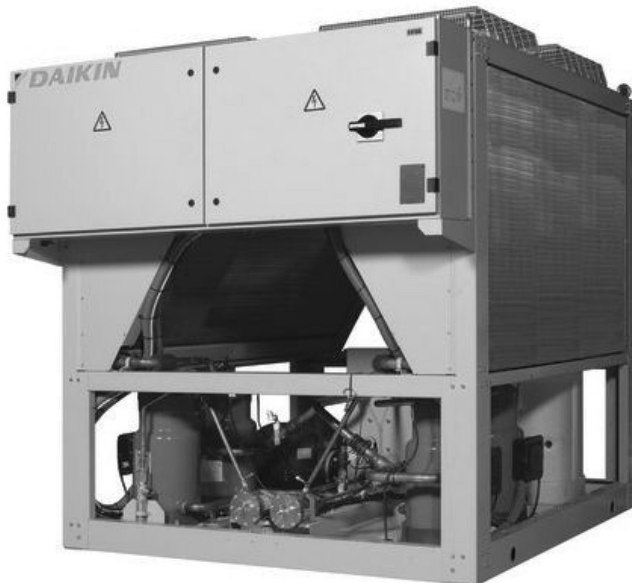
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Sound									
Frequency	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	Overall
Sound power	68dB	69dB	74dB	84dB	83dB	80dB	74dB	64dB	88,0dBA
Distance from unit	1m	5m	10m						
Sound pressure	68,0dBA	60,4dBA	55,7dBA						

Sound power data is in accordance with ISO3744. Measurement is at nominal condition. Sound pressure is calculated for indication purposes. Calculation is only valid for free field conditions: $L_p = L_w - 10 \log(S)$.

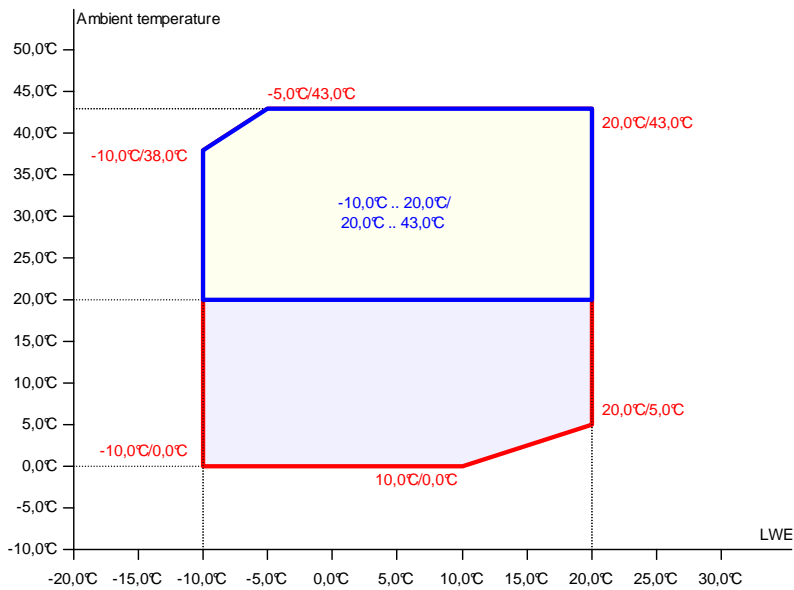
Standard options	
	Main switch Electronic expansion valve

Selected options	
OPLN	Low noise
OPTP	Twin pump or Dual pump



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1.2. Operation Range in Cooling



1.3. Fluid pressure drop

