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Startup Guide – EWAD-TZD, EWAD-MZD, EWAH-TZD, EWAH-MZD, EWAS-TZD, EWFD-TZD, EWFS-TZD



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1 Technician Qualifications

Initial startup on Daikin chillers must be performed only by Daikin Service Technicians or Authorized Service Providers. The contents of this manual are not intended as a substitute for professional skills training, or knowledge and practice of industry standards. Additional literature will be required that is product and component specific, including: product Installation Manuals, Service Bulletins, selection data, system control and piping specifications, etc. (see List of References on *Paragraph 2* for a list of some supplemental items).



The following information is intended only as a guide for authorized personnel with a sound basic knowledge of HVAC equipment, mechanical systems, electrical wiring, controls, & microprocessors. Attempts by untrained or unauthorized persons to start, operate and service this equipment can result in equipment failure, personal injury, or death, as well as invalidation of product warranty. It is the responsibility of the technician to ensure that proper safety equipment safe practices are used.

Be sure that before beginning any work, the Startup Service Technician has reviewed and is thoroughly familiar with all Daikin Factory Service Safety Policies and Procedures and has reviewed any Service Bulletins or Rapid News regarding this product.

2 Required Tools and Supplies

In addition to standard tools needed on most service jobs, be sure to bring the following items to the jobsite for Startup:

- ☒ Personal Protective Equipment (Safety)
- ☒ Commissioning Sheet
- ☒ Chiller Technical Data, Selection Sheet, and Certified Submittal Drawings
- ☒ Manuals:

Note: Be sure that all manuals are the current revision appropriate for this unit.

- This Manual: Startup Guide – EWAD-TZD, EWAD-MZD, EWAH-TZD, EWAH-MZD, EWAS-TZD, EWFD-TZD, EWFS-TZD
- Installation, Operation and Maintenance Manual Air cooled chiller with inverter driven screw compressor (D-EIMAC01905-23_01EN)
- Control Manual: Air cooled chiller with inverter driven screw compressor (D-EOMAC01905-23_00EN)
- EWAD_TZ P&ID (last revision) – check in IOM Manual
- Wiring Diagram



INFORMATION

DAE TZ Family IOM and OM pdf documents, are available in different languages at the following public portal link: [Daikin Screw inverter EWAD\(H\)-TZ](#)

- ☒ Other technical reference material as necessary
- ☒ Current operating software version downloaded and ready to install if needed:
 - Last ETRA version available on official repository
- ☒ Miscellaneous gauges and hand tools, including:
 - Electronic Leak Detector
 - Differential Pressure Gauge (*adequate for system pressures*)
 - Phase Rotation Meter
 - Refrigeration Gauge Manifold (*Range: 50bar, Accuracy: ±0.5% of Final Value, Resolution: 0.01bar/0.1psi/1kPa*)
 - Digital thermometer (*Range: -50°C/+150°C, Accuracy: ±0.1°C, Resolution: 0.1°C*)
 - Amp probe
 - Voltmeters
 - Recover refrigerant cylinder (*for eventual charge adjustments*)

- Full refrigerant cylinder (*for eventual charge adjustments*)
- Recovery pump (*for eventual charge adjustments*)
- Siemens Remote Interface POL 895 (CE+, CE- connection) (Accessory EKRUPCS)

3 Collaboration and Responsibilities

Throughout the installation and startup process, members of the Daikin Service Department (Supervisor / Coordinator / Technician) must establish contact and meet regularly with the following persons and/or their designated representatives:

- Mechanical, Electrical, and Controls Contractors
- Installing Contractor
- Daikin Sales Department
- Customer/Owner
- Personnel to be trained in unit operation

It is the responsibility of the Daikin Service Representative to ensure that all items on the *Pre-Power On Checklist* are complete and the system is ready for start-up. Upon arrival at the jobsite, the DAIKIN Service technician will verify that all items on the *Pre-Power On Checklist* are complete.

The Chiller Start-up Technician must confirm that the unit installation conforms to Daikin specifications and requirements. This includes mounting and support, piping, electrical and control installations related to the unit. These items must, as a minimum, meet acceptable industry standards and Daikin published requirements. All factory supplied controls and valves must be set and, where required, calibrated. Electrical power and control wiring must be selected and sized as specified by Daikin and the applicable electrical code.

The various contractors associated with the installation have the responsibility to provide the following items (as noted on the Pre-Start Checklist), in accordance with the product IOM, applicable codes and acceptable practices for the trade involved. Note any discrepancies on Commissioning Sheet and notify Supervisor as appropriate. Ensure that access to appropriate systems is available for startup operations.

4 Before Arriving at Jobsite

- Review and Verify Pre-Commissioning Sheet received from the Installer/Customer (*Table D*) Company/Contractor.
- Review Required Materials List on (refer to paragraph 2) and gather necessary items.
- Review Unit Design Specifications.
- Review Unit Selection Sheet.
- Review Startup Guide and Commissioning Form.
- Review IOM.
- Review Control Manual.
- Establish estimated timeline and milestones for Startup.

5 Upon Arrival at Jobsite

Meet with Mechanical, Electrical, and Control Contractors to discuss Startup Process and identify any potential issues that may interfere with a successful startup.

Be sure to meet with the Controls Contractor to discuss and clarify the chiller control sequence and settings for the chiller, towers, pumps, BAS integration, etc...

6 Pre-Power on Checks

Initial Chiller Inspection has to be performed according to the **Pre-Power On Checklist** of the Commissioning Sheet by following the instruction below shown.



Verify that all the items are correct. If the system is not ready and/or items on the Pre-Power On Checklist are incomplete, the technician should immediately notify his supervisor and request direction on how to proceed. A separate work order authorization may be required.

6.1 Visual Inspection

- Inspect the chiller for shipping/installation damage including fans and internal parts of condenser.
- Verify that chiller is adequately located, and level mounted as per the IOM (**Paragraph 4.3**) according to the minimum space requirements (**Paragraph 4.4**)
- Verify that appropriate anti-vibration pads are installed.
- Visually inspect for oil and refrigerant leaks.
- Record component model and serial numbers as appropriate on Commissioning Form.
- Clean the chiller from any foreign debris and surrounding area.

Note any issues in the Commissioning Form (**Pre-Startup Comments**)

6.2 Leak Test

Before to start with Leak Test, verify that during stock period (from Delivery Date), leak tests have been performed periodically as per local FGas Regulation. Collect all leak test reports for recording purpose.

Connect service gauges. Confirm pressure in the condenser and evaporator, to verify that charge was not leaked during storage/shipping. Using Electronic Leak Detector, leak check entire unit. Be sure to note any leaks found and repairs performed on the Commissioning Sheet. Follow all applicable industry and regulatory authority standards. If refrigerant loss is catastrophic, startup may need to be postponed until appropriate warranty leak repairs are completed.

Note any issues in the Commissioning Form (**Pre-Startup Comments**)

6.3 Water Piping System Check

- Verify water piping as per IOM (**Paragraph 4.6**). The water filter must be installed as close as possible to the chiller, as in Figs. 8 and 9. If the water filter is installed in another part of the water system, the Installer has to guarantee the cleaning of the water pipes between the water filter and the evaporator. Missing filter results withdraw of heat-exchangers warranty.
- Verify if proper glycol percentage for the application in accordance with Daikin specifications is present as per IOM (Paragraph 3.3)
- Walk length of piping system (in equipment area). Ensure that connections are correctly installed, and piping is properly supported (i.e., not supported by the chiller). Flanges must not be stressed.
- Check evaporator piping for proper flow direction through vessels by consulting Dimensional Drawing. If flow is incorrect, notify Mechanical Contractor, Service Supervisor, and Sales Rep.
- Verify that water pressure gauges are installed at proper locations
- Confirm that all piping specialties (expansion tank, make-up, relief, vents, etc), water pumps are properly installed.

Note any issues in the Commissioning Form (**Pre-Startup Comments**)

6.4 Water Flow

Use Differential Pressure Gauge at the inlet/outlet nozzles of the unit connections to measure the pressure drop across the exchanger/exchangers.

Compare actual flow with Pressure Drop specified on the Unit Selection Sheet. Verify that actual flow is in line with the selection data.



If the measured flow isn't in line with the selection data, then refer to the CSS (Chiller Selection Software) for the verification of allowability of the measured water flow.

If flow is outside of acceptable margins, corrective action is required. If flow is too high, valves may be adjusted to trim flow. If flow is too low, notify Installing Contractor, and note on the Commissioning Form. If flow is different from the selection data, notify Service Supervisor and Sales Rep. Correction may be required prior to startup.

Note any issues in the Commissioning Form (**Pre-Startup Comments**)

6.4.1 Fixed speed control

Note: *The following procedure is not necessary in case of DT and VPF control*

Use Differential Pressure Gauge at the inlet/outlet nozzles of the unit connections to measure the pressure drop across the exchanger/exchangers.

Unit Mode → Test

Commission unit → Manual Control → Unit → Pump #

- Set *Pump 1* > On to enable the Pump 1
- Fine tune the % speed to get Pressure Drop specified on the Chiller Selection Sheet
- Disable the pump when the correct speed is found: *Pump 1* > Off

Go back to main menu to set the fixed speed value for the pump in running condition:

View/Set Unit → Pumps → Speed #1/#2

6.4.2 On-Off Control

Use Differential Pressure Gauge at the inlet/outlet nozzles of the unit connections to measure the pressure drop across the exchanger/exchangers.

Unit Mode → Test

Commission unit → Manual Control → Unit → Pump #

Compare current flow with Pressure Drop specified on the Chiller Selection Sheet. Verify that actual flow is in line with the selection data.

If flow is outside of acceptable margins, corrective action is required:

- If flow is too high, valves may be adjusted to trim flow.
- If flow is too low, notify Installing Contractor, and note on the Commissioning Form. If flow is different from the selection data, notify Service Supervisor and Sales Rep. Correction may be required prior to startup.

Disable the pump when the correct speed is found: *Pump 1* > Off

6.4.3 VPF and DT control

Verify the Pump Mode settings in the menu

View/Set Unit → Pumps

For more information and settings about the Variable Primary Flow, refer to servicesupport@daikinapplied.eu

6.5 Electric Connections Check

- Verify the Electric connections, Cable requirements, Interconnection cables and Phase unbalance as per IOM.
- Verify the proper electrical phasing U-V-W of the loads (fans, compressors, and pumps) for L1, L2 and L3 respectively.
- Verify Field wiring correctness according to the unit wiring diagram

Field Wiring Connection				DAE_F03_001			
Type Signal description/Function	Page / column	Symbol	Type Signal description/Function	Page / column	Symbol	Type Signal description/Function	Page / column
Analogic Input			Digital Output				
4 to 20mA	25 5		UNIT ALARM	22 7			
Analogic Input			Max Load 2A-230Vac				
EVAPORATOR PRESSURE DROP	24 1		External power supply				
4 to 20mA			CONTROL EVAPORATOR WATER PUMP 1	22 2			
Analogic Input			Max Load 2A-230Vac				
DEMAND LIMIT OR CURRENT LIMIT ENABLE	24 4		External power supply				
4 to 20mA			CONTROL EVAPORATOR WATER PUMP 2	22 4			
Analogic Input			Max Load 2A-230Vac				
LWT RESET SET POINT OVERRIDE	24 1		External power supply				
4 to 20mA			READY TO START	23 1			
Analogic Output			Max Load 2A-230Vac				
HEAT RECOVERY 3 WAY VALVE	25 4		External power supply				
4 to 20mA			UNIT RUNNING	23 2			
Analogic Input			Max Load 2A-230Vac				
NTC10K or PT1000 probe	25 1		External power supply				
Digital Input			CONTROL HEAT RECOVERY PUMP	27 1			
UNIT START/STOP REMOTE	21 5		Max Load 2A-230Vac				
EXTERNAL ALARM	21 2		External power supply				
Remove Jumper			BYPASS VALVE	23 7			
DOUBLE SPEED PUMP SWITCH	21 3		Max Load 2A-230Vac				
DOUBLE SET POINT	21 4		External power supply				
UPS BATTERY MODE	26 3		COMPRESSOR 1 STATUS	31 5			
Remove Jumper			Max Load 10A-230Vac				
WCH FLOW SWITCH	24 2		External power supply				
			REMOTE DISPLAY OR MASTER/SLAVE COMMUNICATION	19 3			
			Master/Slave bus connection				



External power supply needed for Digital output terminals
Analog Inputs must be generated through external auxiliary voltage

Note any issues in the Commissioning Form (**Pre-Startup Comments**)

7 Pre-Startup Checks

Once the “Pre-Power On Checks” are completed, the technician can proceed with the Pre-Startup Checks by turning on the unit main switch.

Pre-Startup checks must be performed according to the **Pre-Startup Checklist** of the Commissioning Sheet by following the instruction below shown.



Make sure that unit switch (Q0) is set in OFF state before turning on the unit main switch



Verify that all the items are correct. If the system is not ready and/or items on the Pre-Startup Checklist are incomplete, the technician should immediately notify his supervisor and request direction on how to proceed. A separate work order authorization may be required.

7.1 Voltage Check

- Verify the electric Main voltage and frequency
- Verify all on-board auxiliary transformer voltages
- Check the Compressor Heater current

Note any issues in the Commissioning Form (**Pre-Startup Comments**)

7.2 Flow Switches

- Check the water flow safety switches: verify that field-installed flow switches are installed as per the manufacturer's instructions and IOM. (**Paragraph 4.6.3**)
- Any differential pressure switch connections must be made across the vessel they protect.
- Field-installed Flow switches should not be located close to any source of turbulence and should be located in inlet or outlet piping of the vessel away from any shutoff valves or isolation devices.
- Verify flow switches operation, by throttling the flow and verify that switch opens when flow rate falls below 50% of nominal operating flow rate.

Note any issues in the Commissioning Form (**Pre-Startup Comments**)

7.3 Control Settings



The following procedure must be done using POL 895 remote interface.

Authorized Service Technician must have POL 895 on field for service activities on EWxx-TZD and EWxx-MZD units

- Check all MicroTech IV controller settings to verify they are optimized for application conditions.
- Download and/or install updated software as needed.



INFORMATION

For more information about installing and updating software, refer to "SIEMENS CONTROLLER SOFTWARE UPDATE" Manual:

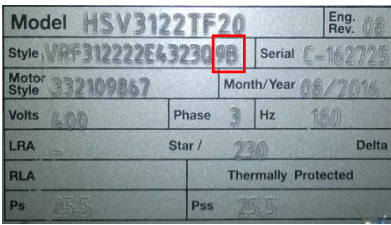
- **DENV affiliates** the manual is available on MyDaikin.eu in the product page of EWAD-TZ
- **DAE direct affiliates and distributors** the manual can be requested to DAE Service Support department

- Verify settings of all safety and operating controls.

7.3.1 Unit Configuration

On the unit controller, enter the "Technician Password" and go into Main Menu → Commission Unit → Configuration → Unit

Setpoint	Default	Range	Description
Apply Changes=	No	No Yes	Use this command to reset the controller in order to confirm the configuration made
Unit Type	TZ D	TZ D MZ D	Select the type of chiller. EWAxxxxTZxxD → EWAD TZ D EWADxxxMZxxD → EWAD MZ D
Refrigerant	R134A	R134A R1234ZE R513A	Select the type of refrigerant
Circuits	2	1 2	Define the number of circuits

Compressor	None	Not Set 310-240 S 310-240 L 310-199L F4AL	Select the compressor model according to the machine model, referring to Unit configuration / compressor nameplates. Check that the compressor model is corresponding to the nameplate info, shown in the "Style" field on the compressor label. 
Comp VR Type	Not Set	Not Set FT VVR Full Spec	Select the VVR type (if present), refer to Unit configuration. If the compressor is FR or VVR select "FT VVR", if the compressor is Full Spec select "Full Spec"
Motor	AC	AC DC	Define the type of compressor motor by referring to Unit configuration  The DC Motor is indicated with a "B" on the compressor label
Inverter Type	DAE	DAE	All production units are equipped with DAE Inverter
Inverter Size	200kW	90kW 120kW 200kW 330kW 400kW	Select the type of inverter installed on the compressor. Refer to Unit configuration
Fans Control	Step	Step Vfd SpdTrl	Select whether the fans are Direct-start (On Off) or if they are controlled by inverter by referring to the electrical wiring of the unit. Step* = All fans are with direct start (On Off) VFD = All fans are controlled by Vfd Spdtrl = Only one fan is controlled by Vfd and all others are direct starting (On Off) Step fans are used only on EWAD-TZD Blue
MB Fan Type	None	None Wolong Panasonic	Select the fan motor model if VFD or SpdTrl control is enable Refer to servicesupport@daikinapplied.eu for the Fan Type.
Fan Nom Rpm	1100	700..1100	Select the fan nominal speed in rpm, always set 1100
Fan Max Rpm	1100	700..1100	Select the fan nominal speed in rpm, referring to Unit configuration and the Standard column if the opt. Kit HA or 160 etc.. are not present
FC Max Rpm	950	700..1100	Select the fan nominal speed in rpm, referring to Unit configuration and the FC Max Rpm column, if the option Freecooling is present
Evap Type	BPHE	BPHE Spray	Select the Evaporator Type installed on the unit



After termination of the Unit configuration it's necessary to restart the controller to activate the settings made through the "Apply changes" command.



The control part of Micro-channel EWxx-TZD and EWxx-MZD machines is composed of the controller POL688 + one module Danfoss EKF-1A or EKF-2A (depending on whether the machine is Mono or Dual and other POL extension (POL945, POL 985, POL 965). Once the unit has been configured, after the controller has been restarted, a part of the program will automatically be transferred on the Danfoss EKF-1A or EKF-2A modules. Be careful not to remove the power supply if the LEDs of EKF-1A or EKF-2A modules have become green.

7.3.2 Circuit configuration

Technician Password → Commission Unit → Configuration → circuit #1/circuit #2

Setpoint	Default	Range	Description
Apply Changes=	No		No, Yes
Comp Freq	55 Hz	Compressor 310240 S: 60 Hz; 65 Hz; 70 Hz; 75 Hz; 80 Hz; 85 Hz; 90Hz; 95 Hz; 100 Hz; 105 Hz; 110 Hz; Compressor 310240 L: 60 Hz; 65 Hz; 70 Hz; 75 Hz; 80 Hz; 85 Hz; 90 Hz; 95 Hz; 100 Hz; 105 Hz; 110 Hz; Compressor F4AL VVR: 50 Hz; 55 Hz; 60 Hz; 65 Hz; 70 Hz; 75 Hz; 80 Hz; Compressor 310199L: 60; 65; 70; 75; 80; 85; 90	Select the maximum compressor frequency according to the machine model by referring to Unit configuration
Fans	-	... 10	Enter the number of fans present on the unit.
Heat Recovery OPT. (01, 03)	Disable	Disable Enable	Select whether the total heat recovery option, is present.



After termination of the circuit(s) configuration it's necessary to restart the controller to activate the settings made through the "Apply changes" command.



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7.3.3 Options Configuration

Setpoint	Default	Range	Description
Apply Changes=	No		No, Yes
Evap Pump	On-Off	On-Off Fixed Speed VPF DT	Set the type of the pump - Fixed Speed (OPT. 120 e-f-g-h) - VPF – OPT.143 - DT (OPT. 120 e-f-g-h)
Load PD Sns	None	None 0-10V 4-20mA BMS	Set the type of input for pressure drop measure on the plant (OPT.144) In case of option 144 the signal is 0-10 V.
Power Supply	400V/50-60Hz	400V/50-60Hz 415V/50Hz 440V/60Hz	Define the voltage grid system: this will determine the undervoltage/overvoltage supervision managed by the compressor inverter

		460V/60Hz 380V/50-60Hz	
Energy Mtr OPT.16A	None	None Nemo D4-L Nemo D4-Le	Select the type of energy meter device in case present  Nemo D4-L  Nemo D4-Le
Leak Detector OPT.121A	None	None Digital Analog	Select the type of leak detector device in case present.
Communication 1/2/3	None	None Modbus Bacnet IP (EKCMBACIP) Bacnet MSTP (EKCMBACMSTP) Lon (EKCMLON) AWM	Select if there is the communication module connected on the left side of the controller. • Modbus = POL902.00 – Communication module Modbus (OPT. 180) • Bacnet IP = POL908.00 – Communication module BACnet IP (OPT. 182) • Bacnet MSTP = POL904.00 – Communication module BACnet MS/TP (OPT.181) • LON = POL906.00 – Communication module LON • AWM = POL909.00 – Communication Module AWM
Demand Limit OPT. 90	Disable	Disable Enable	Select this option if OPT.90 is present
Flex Current Limit	Disable	Disable Enable	
Setpoint Reset OPT.67	None	None 4-20mA Return OAT	In case of setpoint reset request, select on the basis of which sensor the reset will be carried out 4-20 mA → External sensor Return → EEWT temp sensor OAT → Unit outside air temp sensor
Fan Alarm	No	No Yes	Select this option if the KQ1 and KQ2 relays are present in the electrical panel
Switch Box Temp OPT.142	No	No Yes	Select if the switch box temperature probe is present. (HA units)
Rapid Restart OPT. 110	Off	Off Std Ultra	Enabling the Rapid Restart Function. Check if the option is available on the unit
Rapid Restart Stg	NC	NC NO	Select the contact type of the Rapid Restart
Ext Alarm OPT. 90	Event	Event Rapid Stop	Set according to the client request
Loc Net Switch	No	No Yes	Set according to the client request
M/S Address OPT.128	None	None Master Slave 1...7	Enabling of the Master & Slave feature
M/S Num Of Units OPT.128	2	2 3 4	Set according to the number of units in Master & Slave system
M/S Sns Type OPT.128	NTC10K	None NTC10K PT1000	Select the type of sensor for the common water temperature sensor
Display Units	Metric	Metric English	Set according to the client request
Language	English	-	Set according to the client request
Liquid Sensors	Standard	Standard Full	Select Standard if on the liquid line is present the temperature sensor Select Full if on the liquid line is present the temperature sensor and pressure transducer sensor
Solenoid valve	Off	Off On	Select On if anti chattering system is present
Freecooling	No	No Hydr	Select Hydr for EWF* units with freecooling system
High Evap Sp OPT.187	No	No Yes	Select if opt 187 (envelope extension) is present
OATLock Alarm	Off	Off On	
Harmonic Filter OPT.232	Off	Off On	Select On if the option AHF (Armonic Active Filter / Special Harmonic Filter) is present
Apply Changes	No	No Yes	Use this setting to save and confirm all the settings



After termination of the Unit configuration it's necessary to restart the controller to activate the settings made through the "Apply changes" command.



The control part of Micro-channel EWxx-TZD and EWxx-MZD machines is composed of the controller POL688 + one module Danfoss EKF-1A or EKF-2A (depending on whether the machine is Mono or Dual and other POL extension (POL945, POL 985, POL 965). Once the unit has been configured, after the controller has been restarted, a part of the program will automatically be transferred on the Danfoss EKF-1A or EKF-2A modules. Be careful not to remove the power supply if the LEDs of EKF-1A or EKF-2A modules have become green.



CAUTION

***Solenoid valve setting: This parameter is used to configure the anti-chattering system in the software**

After the apply changes function, verify the activation of the Solenoid Valve in the following menus

View/Set Circuit > Circuit ½ > Economizer > Sol Valve > With

The parameter must be set "With". In case the parameter is "Without", change to "With"

7.3.4 Software Options

Software Options (Only for Microtech 4)

The possibility to employ a set of software options has been added to the functionality of the chiller, in according with the new Microtech 4 installed on the Unit. The Software Options do not require any additional hardware and regard communication channels and the new energy functionalities.

During the commissioning the machine is delivered with the Option Set chosen by the customer; the Password inserted is permanent and depends on the Serial Machine Number and the Option Set selected.

The available options are:

1. Modbus Slave MSTP for settings refer to BAS integration guide Doc. Name: D-EIGOC00203-21EN_TZ
2. BACNet MSTP for settings refer to BAS integration guide Doc. Name: D-EIGOC00103-21EN-TZ
3. BACNet IP for settings refer to BAS integration guide Doc. Name: D-EIGOC00103-21EN-TZ
4. Performance Monitoring. The Energy Monitoring is a software option not requiring any additional hardware. It can be activated to achieve an estimation (5% accuracy) of the instantaneous performances of the chiller in terms of:
 - Cooling Capacity
 - Power Input
 - Efficiency-COPAn integrated estimation of these quantities is provided
5. iCM Standard for settings and configuration, refer to the IOM
6. iCM Advanced for settings and configuration contact servicesupport@daikinapplied.eu



After termination of the Software Options configuration it's necessary to restart the controller to activate the settings made through the "Apply changes" command.



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7.4 Fan layout

The image below shows the activation layout of the unit's fans. The number inside the single rectangle indicates the fan activation digital output and the rectangle indicates the septa into which the circuit is divided

Fan Steps								Fan Staging																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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7.5 Twin evaporator pump setting

In the case of twin evaporator pumps, set the automatic start-up management pumps.

1. Enter technician password in the controller
2. Open the menu:
3. *Main Menu → View / Set Unit → Pumps → Pump Control → Auto*

7.6 Alarm Limits

On the unit controller, enter the “Technician password” and set the alarm limits in the following menu:

Main Menu → Commission Unit → Alarm Limits



At the end of the Alarm Limits setting a restart of the controller (“Apply Changes”) is required BEFORE to proceed with the startup of the unit.

7.7 Energy Meter

If the unit is provided with Opt.16/16a, proceed with the energy meter settings check.

Function of the buttons:



- U** ▶ **Moves the cursor**
- I** ▲ **Increases the loaded value**
In the pages with choice among the fixed values, it scrolls the loadable values
- P-Q-S** ▼ **Decreases the loaded value**
In the pages with choice among the fixed values, it scrolls the loadable values
- E-PF-F** OK **Confirms**

During programming

by keeping pressed **▲** key you return to the previous page

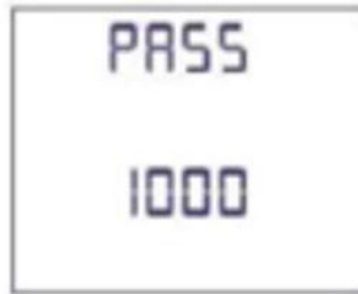
by keeping pressed **↵** key you leave the programming menu

Level 1

Password = 1000

Access the setup menu

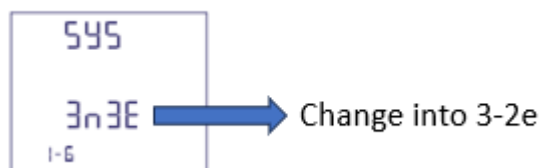
- 1) Press "EPFF" repeatedly until the page is displayed : "NdbS"
- 2) Press and hold the "EPFF" button until you see the page: "PASS"
- 3) Enter the password "1000" and confirm with the "EPFF" button



The "arrow" ► is used to move between the various digits, while ▲▼ is used to increment or decrement the numerical value of each digit. The ENTER key is used to confirm the password.

Depending on the wiring configuration, the respective programming scheme must be selected.

- 1) Log in with the password "1000"
- 2) Press the "EPFF" button repeatedly until the page is displayed: "SYS"
- 3) Select the desired configuration: **3-2e** if the number of current transformers is 2, which is the standard configuration.

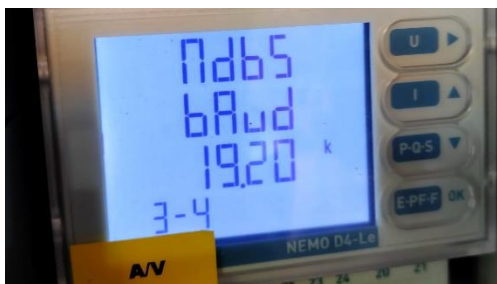


In case the energy meter is integrated with the Modbus communication network of the POL688 controller of the chiller unit, the Modbus parameters of the Nemo energy meter needs to be updated. It will be necessary to configure the address, transmission speed and parity bit on the energy meter corresponding to those on the chiller controller (POL688)

- 1) Log in with the password "1000"
- 2) Press "EPFF" repeatedly until the page is displayed: "MDB Addr"
- 3) Select Address **20**



- 4) Press "EPFF" repeatedly until the page is displayed "MDB Baud"
- 5) Select the baud rate **19200**



- 6) Press "EPFF" repeatedly until the page is displayed: "MDB par"
- 7) Select **None** Parity bit



- 8) Press "EPFF" repeatedly until the page is displayed "SAVE"

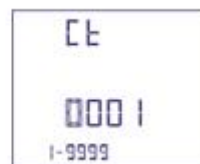


Set the transformation ratio of the current transformers (CT ratio)

On the label of the CT it's indicated what the maximum primary and secondary currents are.
For example max primary current 1250A / max secondary current 5A gives an CT ratio of 250 (1250/5)



 moves the cursor
 increases/decreases the loaded value
 confirms



The nominal current value at the Ime Nemo Energy meter input terminals should be between 1A~5A. Do not use CT's that exceed this range in order to avoid damage to the energy meter!

7.8 Pre-Running Adjustments

Pre-Running Adjustments must be separately performed for each circuit



It is highly recommended to use a double sample sensor for the calibration of temperature sensors

7.8.1 Check and calibration of unit temperature sensors

Calibration of unit temperature sensors is a fundamental step for the correct operation of the unit.
There are three temperature sensors to be calibrated (for each circuit):

- Evaporator LWT

- Evaporator EWT
- OAT

7.8.1.1 Evaporator Leaving Water Temperature

- Place the sample and Evap LWT sensors in a container with ice
- Enter in *Commission Unit* → *Sensors Calibration* → *Unit* menu and then compare the Evap LWT value with that detected by the sample sensor
- If the temperature value measured by the unit sensor is different from the sample one, set the difference in the *Offset* parameter.



***Make sure to have a good water/ice mix and wait for the water/ice system temperature to stabilize before to proceed with the calibration.
Place both sensors (sample and unit) in the middle of the container in order to not affect the readings.***

7.8.1.2 Evaporator Entering Water Temperature

- Place the sample and Evap EWT sensors in a container with ice
- Enter in *Commission Unit* → *Calibrate Sensors* → *Unit* menu and then compare the Evap EWT value with that detected by the sample sensor
- If the temperature value measured by the unit sensor is different from the sample one, set the difference in the *Offset* parameter.



***Make sure to have a good water/ice mix and wait for the water/ice system temperature to stabilize before to proceed with the calibration.
Place both sensors (sample and unit) in the middle of the container in order to not affect the readings.***

7.8.1.3 Outside Air Temperature

- Place the sample and suction temperature sensors in ambient temperature
- Enter in *Commission Unit* → *Sensors Calibration* → *Unit* menu and then compare the OAT value with that detected by the sample sensor
- If the temperature value measured by the unit sensor is different from the sample one, set the difference in the *Offset* parameter.



Make sure to have a stable air condition and wait until read unit and sample temperatures are stabilized respect to air ambient temperature before to proceed with the calibration.

7.8.2 Check and calibration of circuit temperature sensors

Calibration of circuit temperature sensors is a fundamental step for the correct operation of the unit. There are two temperature sensors to be calibrated (for each circuit):

- The Suction temperature sensor (ST-1 & ST-2)
- The Discharge temperature sensor (DT-1 & DT-2)

7.8.2.1 Suction Temperature sensor

- Place the sample and suction temperature sensors in a container with ice
- Enter in *Commission Unit* → *Sensors Calibration* → *Circuit #1/2* menu and then compare the *Suction Tmp* value with that detected by the sample sensor
- If the temperature value measured by the unit sensor is different from the sample one, set the difference in the *Suction Offset* parameter.



***Make sure to have a good water/ice mix and wait for the water/ice system temperature to stabilize before to proceed with the calibration.
Place both sensors (sample and unit) in the middle of the container in order to not affect the readings.***



Suction temperature sensor is the most crucial of chiller's sensors as will guarantee the correct working of the EXV and consequent safe compressor running

7.8.2.2 Discharge temperature sensor

- Place the sample and discharge temperature sensors in ambient temperature.
- Enter in *Commission Unit* → *Sensors Calibration* → *Circuit #1/2* menu and then compare the *Discharge Tmp* value with that detected by the sample sensor.
- If the temperature value measured by the unit sensor is different from the sample one, set the difference in the *Disch Offset* parameter.



Make sure to have a stable air condition and wait until read unit and sample temperatures are stabilized respect to air ambient temperature before to proceed with the calibration.

7.8.2.3 Economizer temperature

- Place the sample and Economizer temperature sensors in ambient temperature.
- Enter in *Commission Unit* → *Calibrate Sensors* → *Circuit #1/2* menu and then compare the *Econ Temp* value with that detected by the sample sensor.
- If the temperature value measured by the unit sensor is different from the sample one, set the difference in the *Eco Tmp Offset* parameter.



Make sure to have a stable air condition and wait until read unit and sample temperatures are stabilized respect to air ambient temperature before to proceed with the calibration.

7.8.2.4 Liquid temperature

- Place the sample and Subcooling temperature sensors in ambient temperature.
- Enter in *Commission Unit* → *Calibrate Sensors* → *Circuit #1/2* menu and then compare the *Liquid Temp* value with that detected by the sample sensor.
- If the temperature value measured by the unit sensor is different from the sample one, set the difference in the *Liquid Tmp Offset* parameter.



Refer to Table A for the complete overview of the components positioning.

7.9 Dry Tests

Perform the Dry Tests by setting the unit in “test mode”:

1. Enter the “Technician Password” on the controller
2. Go in *Main Menu* → *Unit Mode* → *Mode*
3. Set *Test*

All the dry tests are performable through the following menu:

Main Menu → *Commission Unit* → *Manual Control*

7.9.1 Unit Alarm

Check the correct activation of the software general alarm:

Main Menu → *Commission Unit* → *Manual Control* → *Unit* → *Unit Alarm*

7.9.2 Pump #1/#2

Check the correct activation of the water pump (if it is controlled by the unit):

Main Menu → *Commission Unit* → *Manual Control* → *Unit* → *Pump #1/#2*

7.9.3 Circuit Alarm

Check the correct activation of the software general alarm:

Main Menu → *Commission Unit* → *Manual Control* → *Circuit #1/2* → *Circuit Alarm*

7.9.4 Fan

Check the correct functionality of the fans:

7.9.4.1 ON-OFF Fans

Main Menu → Commission Unit → Manual Control → Circuit # → Fan [number]

In this menu is possible to set ON or OFF the fan. Moreover, during this phase check the rotation sense of the fans, if it is right the force of the air must be from the floor to the top.

7.9.4.2 Brushless EC Fans

Main Menu → Commission Unit → Manual Control → Circuit # → Fan speed

In this menu is possible choose the capacity of the fan. Moreover, during this phase check the rotation sense of the fans, if it is right the force of the air must be from the floor to the top.

7.9.5 Oil/VFD Heaters

Check the correct activation of compressor oil and VFD resistances:

Main Menu → Commission Unit → Manual Control → Circuit #1/2 → Crankcase Heater

Main Menu → Commission Unit → Manual Control → Circuit #1/2 → VFD Heater

7.9.6 VR Slides

Check the correct activation of the compressor VR slides:

Main Menu → Commission Unit → Manual Control → Circuit #1/2 → VR#

By setting to On, the solenoid valve will be energized and its coil will generate a magnetic field.

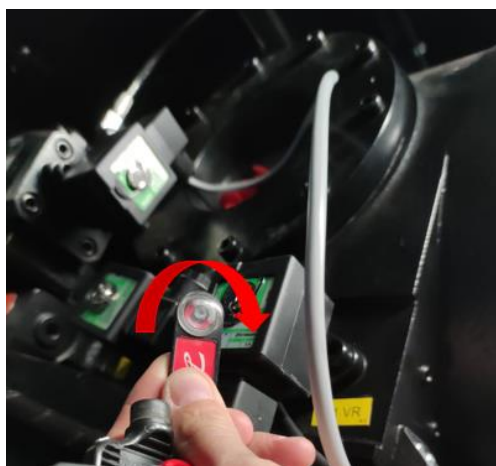


Figure 1 Magnetic field check

7.9.7 Expansion Valve

Verify the correct operation of the EXV valves:

Main Menu → Commission Unit → Manual Control → Circuit #1/2 → EXV Position

And set the opening percentage, it is possible verify the movement of the piston inside the expansion valve through the glass post on it.

7.9.8 Eco Expansion Valve

Verify the correct operation of the Eco EXV valves:

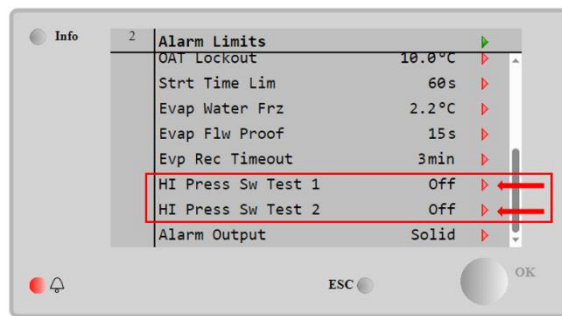
Main Menu → Commission Unit → Manual Control → Circuit #1/2 → EXV Position

And set the opening percentage, it is possible verify the movement of the piston inside the expansion valve through the glass post on it.

7.9.9 High Pressure Switches Test

To test the High-Pressure Switches:

Main Menu → Commission Unit → "Alarm Limits → HI Press Sw Test "#"



During this procedure high pressure relief valves may open. Before the test, verify that the relief valves are correctly calibrated. Keep a safe distance from the valves and verify, before the test procedure, that nobody is near the unit.

To perform the test, in the “Alarm limits” menu, set the HI Press Sw Test # to “On”, and then set Circuit 2. This setting ignores both the High pressure partialization and the High-pressure alarm referred to the High-pressure transducer readings. During this procedure the circuit fans are switched OFF, allowing the high-pressure switch to open the circuit. The parameter will automatically be restored to OFF after the test.



During this procedure constantly check the high-pressure value.

- 1) Start the test on Circuit 1, constantly check the rising of the condensation pressure. Switch off the Unit if the pressure reaches the High-pressure switch set value (22.2 bar).
- 2) Wait until the intervention of the High-pressure switches. It should switch off the compressor at 22.2 bar (tolerance: +0 bar -1.8 bar)
- 3) Repeat the procedure for Circuit 2 accordingly.



This operation must be performed with accuracy. Use the Emergency button if necessary. If the test fails (the pressure rises a value over the High-pressure switch limit), there is an additional control which turns the unit off, when the pressure transducer reads 22.2 bar. Verify the root cause of the test failure before repeating the test. After the test is completed, manually reset the high-pressure switches by pushing the blue button on top of it and reset the alarm via the POL688 HMI. Turn on the compressors to continue the test.

7.9.10 Compressor addressing

Electrically disconnect the pressure transducer on the compressor (high or low) and check the activation of the related alarm on the correct circuit.

7.9.11 Anti-chattering kit

Check the correct activation of the compressor solenoid valves:

Main Menu → Commission Unit → Manual Control → Circuit #1/2 → Suct Sol Valve

Main Menu → Commission Unit → Manual Control → Circuit #1/2 → Disch Sol Valve

By setting to On, the solenoid valve will be energized and its coil will generate a magnetic field.

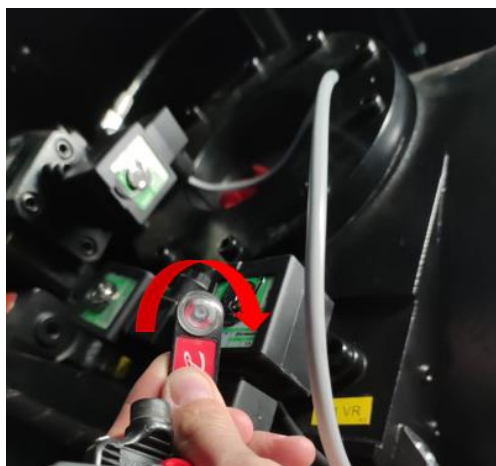


Figure 2 Magnetic field check

7.9.12 FC Water valve (Only EWFD and EWFS units)



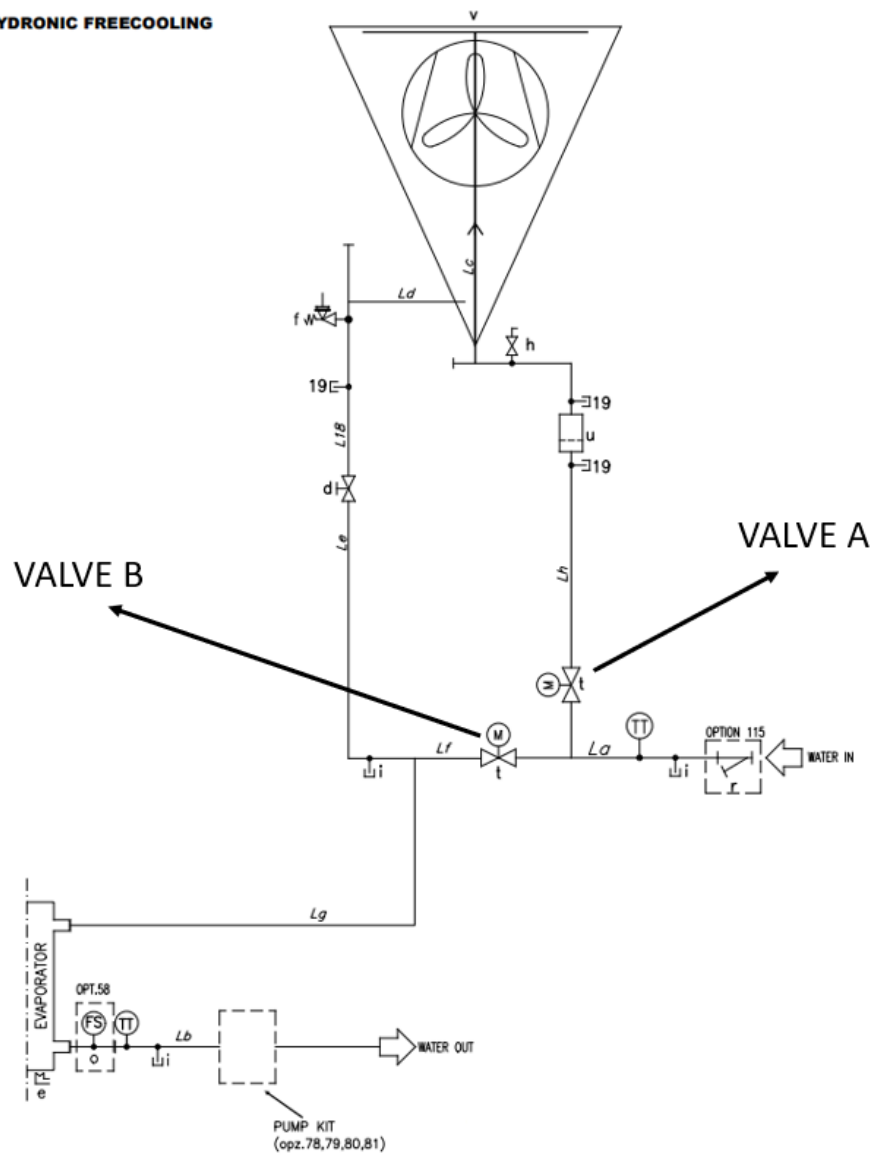
Before following the procedure described on below, be sure that the specific procedures described in the D-EIMAC01802-23_01EN (Paragraphs 4.8.3 and 4.8.4) has been carried out. The unit is shipped with the valve “d” closed and pressurized with nitrogen (up to 1-2 bar), therefore the freecooling coil must be correctly filled.

In hydronic freecooling unit there are two valves working in alternative way: when one is open, the other must be closed or viceversa.

Commission Unit → Manual control → Unit → Hydr FC Valve

Enabling the function, it must occur that valve A is open and valve B is closed. By disabling it, however, the exact opposite must occur. Check that the valves open and close completely and in the correct way of operation.

HYDRONIC FREECOOLING



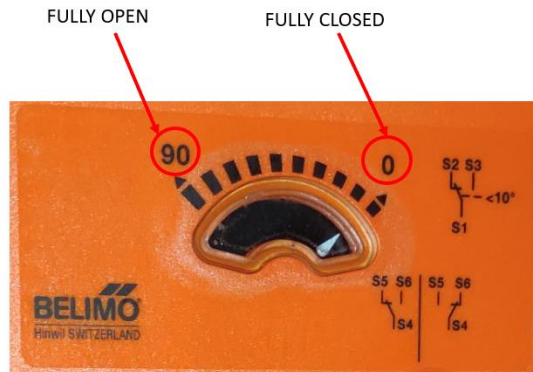
7.9.12.1 Visual inspection

It is strictly required that the valve and the actuator position are aligned, to guarantee the correct operation of the valve during the opening and closing transition.

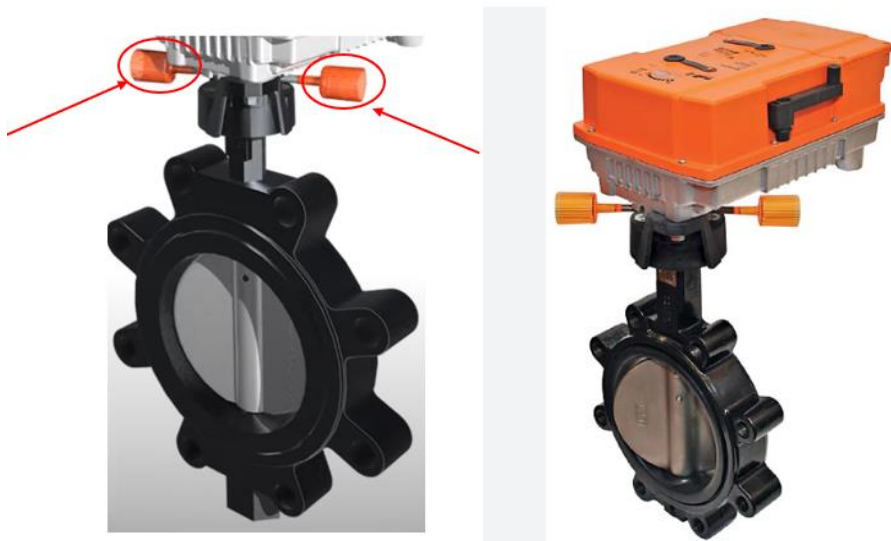
Belimo PRC2A model

To ensure the correct alignment of actuator and valve, it is necessary to check that when the actuator is in the 0° position, the valve is fully closed, and when it is at 90°, the valve is fully open.

Refer to the orange indicators located on the valve and the actuator indicator.



Belimo Actuator indicator



Belimo Valve indicator spring

Belimo PRC2A actuator model			
FC Mode		Valve A	Valve B
Disable	Valve position indication		
	Actuator position indicator		
Enable	Valve position indication		
	Actuator position indicator		

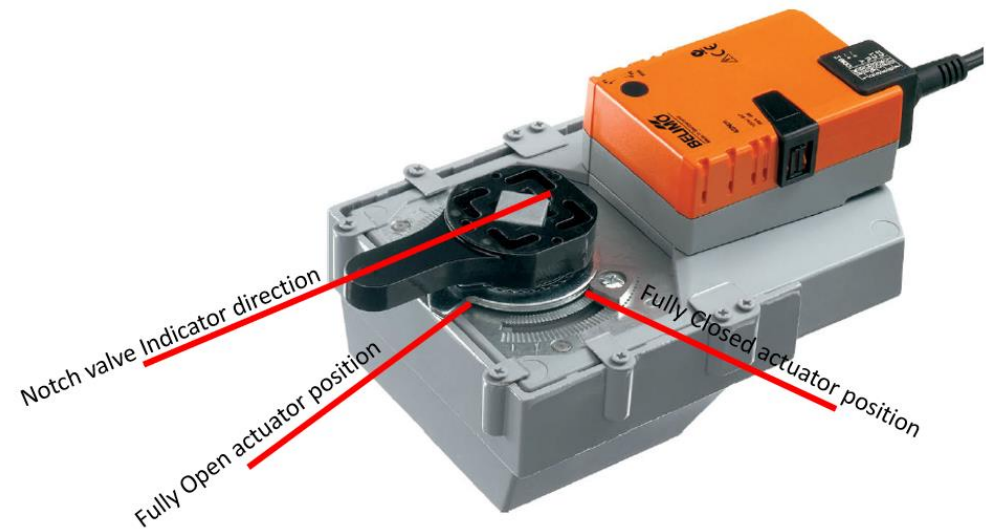
- If the orange indicators follow the flow direction, then the valve is open.
- If the orange indicators are perpendicular to the flow, then the valve is closed.

Check if the orange indicators springs are in the appropriate location.

Belimo GR230A model:

To ensure the correct alignment of actuator and valve, it is necessary to check that when the actuator is in the 0 position, the valve is fully closed.

1. Check that the notch valve indicator direction is aligned with the fully Open/Closed actuator position



Belimo GR230A actuator model		Valve A	Valve B
FC Mode			
Disable	Valve position indicator		
	Actuator position indicator		
Enable	Valve position indicator		
	Actuator position indicator		

- If the Notch valve indicator direction follows the flow direction, then the valve is open.
- If the Notch valve indicator direction is perpendicular to the flow, then the valve is closed.

Check if the orange indicators springs are in the appropriate location.



If the motor position does not match the valve opening position, it is possible to manually adjust the motor position. For the procedure, please contact the servicesupport@daikinapplied.eu.

8 Start-Up

The first data acquisition for each circuit must be performed in “Cooling mode”, in order to also check the correctness of the refrigerant charge by measuring the subcooling at the filter dryer (refer to E2.10 item of the *Commissioning Sheet*).



Make sure to open all the service valves before to perform the first unit Start-Up:

- *Liquid line*
- *Discharge line (if present)*
- *Suction line (if present)*
- *Turn on the water pump*

To do that, follow these steps, referring to the “Circuit #X”:

1. Enter the “Technician Password” on the controller
2. Go in Main Menu → Unit Mode → Mode and set Cool
3. Go in Main Menu → Unit Enable
4. Set Circuit #1 → Enable, Circuit #2 → Disable
5. Set Unit → Enable
6. Set on Local the switch Q0

The circuit is now ready for the Running Adjustment (*paragraph 8.1*)

8.1 Running Adjustments

Running Adjustments must be separately performed for each circuit while it is running near the rating conditions.



Make sure that the circuit is working in cooling mode in stable conditions in order to don't affect the following operations result



Make sure that the circuit status is “Run: Normal” before to proceed with the Running Adjustments

8.1.1 Check and calibration of pressure transducers

Calibration of pressure transducers is a fundamental step for the correct operation of the unit. There are two pressure sensors to be calibrated (for each circuit):

- The suction pressure transducers
- The discharge pressure transducers
- The oil pressure transducer

8.1.1.1 Evaporator Pressure

- Connect the sample transducer to the “T shape” pressure port on which the suction pressure transducer is installed.
- With the unit on, with the *Suction Temperature* of $7^{\circ}\text{C} \pm 1^{\circ}\text{C}$ and before making gas charge adjustments, enter the *Commission Unit* → *Calibrate Sensors* → *Circuit #1/2* menu and then compare the *Evap Pressure* value with that detected by sample transducer.
- If the pressure value measured by the unit transducer is different from the sample one, set the difference in the *Evap Pr Offset* parameter.



Sample transducer is the measuring device has been calibrated and it must be very accurate.



If this difference is greater than ± 100 kPa replace the transducer and repeat the operation.



Evaporator pressure transducer is the most crucial of chiller's transducer as will guarantee the correct working of the EXV with consequent safe compressor running and since all low-pressure safeties are based on its readings.

8.1.1.2 Condenser Pressure

- Connect the transducer to the "T shape" pressure port on which the discharge pressure transducer is installed.
- With the unit on, enter in *Commission Unit* → *Calibrate Sensors* → *Circuit #1/2* menu and then compare the *Cond Pressure* value with the one detected by the sample transducer.
- If the value of the pressure measured by the unit transducer is different from the sample one, set the difference in the *Cond Pr Offset* parameter.



If this difference is greater than ± 100 kPa replace the transducer and repeat the operation.

8.1.1.3 Oil Pressure

- Connect the sample transducer to the "T shape" pressure port on which the oil pressure transducer is installed.
- With the unit on, enter in *Commission Unit* → *Calibrate Sensors* → *Circuit #1/2* menu and then compare *Oil Pressure* value with *Condenser Pressure*.
- If the value of the pressure measured by the *Oil Pressure* transducer is different from the *Condenser Pressure*, set the difference in the *Oil PR Offset* parameter.



If this difference is greater than ± 100 kPa replace the transducer and repeat the operation.

8.1.1.4 Economizer pressure

- Connect the sample transducer to the "T shape" pressure port on which the economizer pressure transducer is installed.
- With the unit on, enter in *Commission Unit* → *Calibrate Sensors* → *Circuit #1/2* menu and then compare the *Econ Prs* value with the one detected by the sample transducer.
- If the value of the pressure measured by the unit transducer is different from the sample one, set the difference in the *Econ Prs Offset* parameter.



If this difference is greater than ± 100 kPa replace the transducer and repeat the operation.

8.1.2 Subcooling measurement point

The calculation of the subcooling at the filter dryer (in addition to the visual inspection of any flash gas on the liquid sight glass) is the main parameter by which the need for a charge adjustment is established. This quantity must be quantified with the least possible margin of error.

What's needed:

- Additional pressure transducer
- Additional temperature sensor

Proceed to the installation as follows:

- The pressure sensor must be installed on one of the two pressure points on the corner tap, close to the dryer filter.
- The temperature sensor must be installed on a smooth pipe section (not on a weld, for example), as close as possible to the pressure sensor mentioned above.



Temperature measurements are among the most difficult to perform. Install the temperature probes with a correct quantity of thermal paste, tighten the probes firmly to the pipe and abundantly insulate the probes so that external agents cannot affect the measurement.

The optional refrigerant charge depends by the unit configuration. Is possible identify the right refrigerant charge while the unit is working through the following conditions:

- For Standard units, heat reclaim units and Hydronic Freecooling units (operating in Mechanical cooling or Mixed freecooling)
 - Subcooling (at the dryer filter) = 7 ± 4 °C
 - Suction Super Heat = 5 ± 1 °C

The charge adjustment has to be performed step-by-step, adding or removing refrigerant per time according to the table below:

Circuit Refrigerant Charge	Refrigerant Charge step adjustment
1 ÷ 10 kg	100 g
10,1 ÷ 50 kg	500 g
50,5 ÷ 100 kg	1 kg
101 ÷ 500 kg	2 kg
>500 kg	10 kg



After every charge step, wait 5 minutes after the liquid temperature stabilizing before to proceed with the next eventual adjustment step.

8.2 Running Safeties Test

8.2.1 Flow Switches

With the running unit, disable the water pumps and check if “Water Flow Loss” alarm appears after 30sec. If not, check proceed with the check of correct flow switch installation and calibration.

8.3 Data acquisition



Make sure that the circuit is working in stable conditions to don't affect the Data Acquisition

- Data acquisition has to be performed according to the **Data Acquisition** section of the Commissioning Sheet.
- Data acquisition has to be separately performed for each circuit in Chiller and Free Cooling mode. To select the circuit working mode refer to the following setting:

Main Menu → View/Set Unit → Hydronic FreeCooling

Disable this setpoint for testing the unit in Mechanical mode and through the keypad choose the circuit to put in operation.

- It is recommended to let the circuit reach the 100% of capacity before to proceed with the data acquisition (according to the plant load conditions).
- It is recommended to let the circuit reach stable operating conditions before to proceed with the data acquisition.

To evaluate the stable operation of the unit check, following conditions must be satisfied:

- Circuit Status equal to “Run=Normal”
- ELWT and/or CLWT is as near as possible to the relative setpoint.
- EXV is working in Superheat-Pressure mode:
 - Main Menu → View/Set Circuit → Circuit# → EXV → State = Pressure
- Evaporator Pressure is equal to the Pressure target for 5 minutes continuously:
 - Main Menu → View/Set Circuit → Circuit# → EXV → Evap Target



CLIMATIX Scope Light data recording during commissioning is strongly suggested.
For all material required for the recording get in contact with servicesupport@daikinapplied.eu

8.3.1 Only for EWFD and EWFS units



This particular test can be performed only if the freecooling activation conditions are reached in the installation site.

After the test in Mechanical mode, if some load on the plant side is still present, is possible test the unit in Free Cooling mode. To select the Free Cooling mode, refer to the following setting:

Main Menu → View/Set Unit → Hydronic Free Cooling

Enable this setpoint and record the data during the freecooling working operations.
To perform this test, be sure to disable both circuit in the unit enable menu:

Main Menu → Unit Enable → Circuit 1 → Disable

Main Menu → Unit Enable → Circuit 2 → Disable



CLIMATIX Scope Light data recording during commissioning is strongly suggested.
For all material required for the recording get in contact with servicesupport@daikinapplied.eu

9.1 Unit Layout

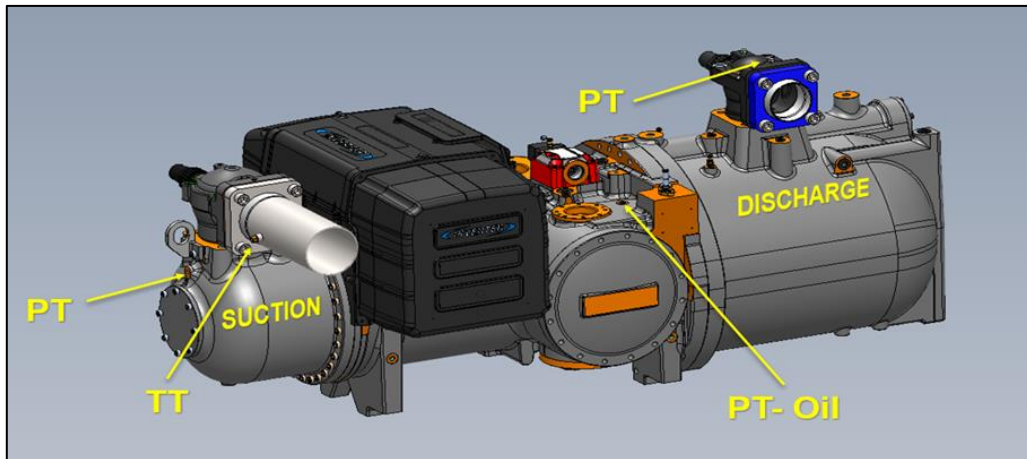


Figure 3 F4AL Compressor

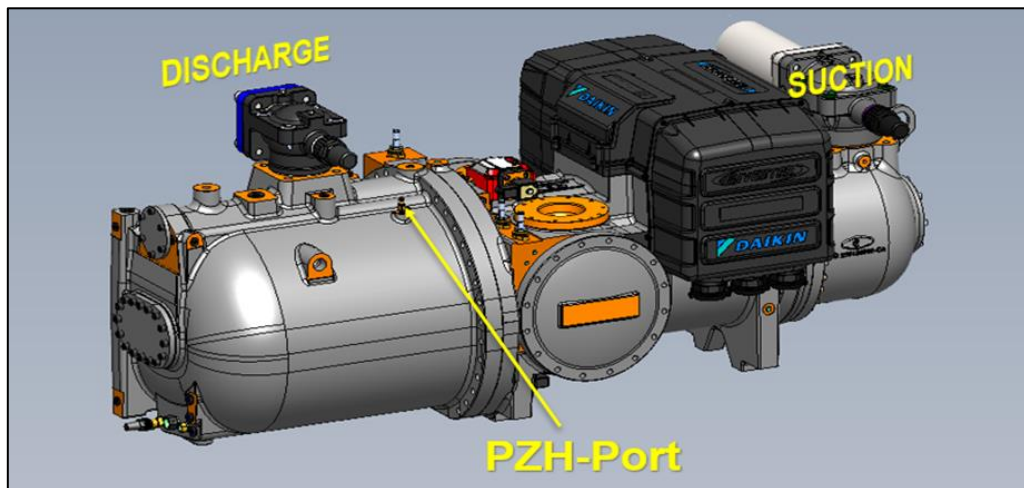


Figure 4 F4AL Compressor

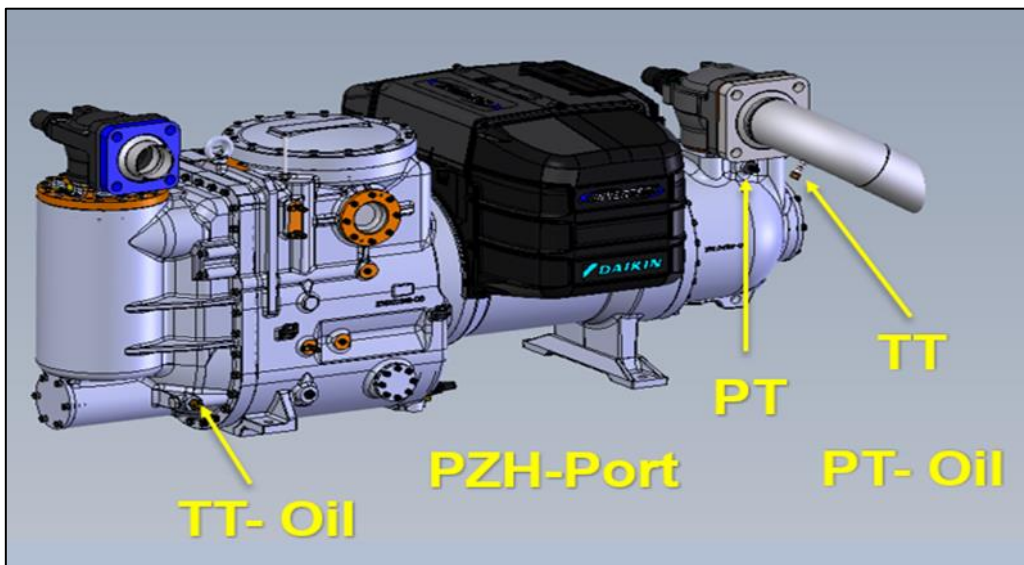


Figure 5 310240 Compressor



Sensor positioning is identical for all compressor models.

9.2 Unit configuration

9.2.1 EWAD TZ-D R134a

Table A – Unit composition for EWAD-TZ-D Efficiency Class BS (Blue)



The std. Fan for the EWAD TZ-D Efficiency Class BS (Blue) is ON/OFF 950rpm

Daikin Model	Compressor	VFD	Fan Opt.42b	Opt.229 Fan BRS	Opt.142 kit HA	Fan Opt.160c	FanC1	FanC2
EWAD275TZBSD1	310199L FT-70Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	-
EWAD320TZBSD1	310199L FT-80Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAD345TZBSD1	310199L FT-90Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAD400TZBSD1	310240S FT-70Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAD470TZBSD1	310240L FT-65Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAD525TZBSD1	310240L FT-70Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAD580TZBSD1	310240L FT-80Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAD625TZBSD1	310240L FT-90Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAD510TZBSD2	310199L FT-60Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	4
	310199L FT-70Hz-AC							
EWAD545TZBSD2	310199L FT-65Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	4
	310199L FT-75Hz-AC							
EWAD570TZBSD2	310199L FT-70Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	4
	310199L FT-80Hz-AC							
EWAD630TZBSD2	310199L FT-80Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	6
	310199L FT-80Hz-AC							
EWAD670TZBSD2	310199L FT-85Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	6
	310199L FT-90Hz-AC							
EWAD755TZBSD2	310240S FT-60Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310240S FT-60Hz-AC							
EWAD830TZBSD2	310240S FT-65Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310240S FT-70Hz-AC							
EWAD915TZBSD2	310240L FT-60Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310240L FT-60Hz-AC							
EWADC10TZBSD2	310240L FT-65Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310240L FT-70Hz-AC							
EWADH10TZBSD2	310240L FT-70Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	8
	310240L FT-75Hz-AC							
EWADH11TZBSD2	310240L FT-75Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	8
	310240L FT-80Hz-AC							
EWADC12TZBSD2	310240L FT-80Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	10
	310240L FT-85Hz-AC							
EWADC13TZBSD2	310240L FT-90Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	10
	310240L FT-90Hz-AC							
EWADC14TZBSD2	310240L FT-95Hz-AC	330 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	10
	310240L FT-100Hz-AC							
EWADC15TZBSD2	310240L FT-100Hz-AC	330 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	12
	310240L FT-110Hz-AC							
EWADH16TZBSD2	F4ALVVR-60Hz-AC	330 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	12
	F4ALVVR-60Hz-AC							
EWADH17TZBSD2	F4ALVVR-65Hz-AC	400 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	12
	F4ALVVR-65Hz-AC							
EWADH18TZBSD2	F4ALVVR-70Hz-AC	400 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	12	12
	F4ALVVR-70Hz-AC							
EWADH19TZBSD2	F4ALVVR-75Hz-AC	400 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	12	12

Table B – Unit composition for EWAD-TZ-D Efficiency Class SS (Silver)

Daikin Model	Compressor	VFD	Fan Std	Opt.142C kit HA	Fan Opt.160c	FanC1	FanC2
EWAD285TZSSD1	310199L FT-70Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAD325TZSSD1	310199L FT-80Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAD380TZSSD1	310199L FT-90Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAD430TZSSD1	310240S FT-70Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAD495TZSSD1	310240L FT-65Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAD535TZSSD1	310240L FT-70Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	-
EWAD595TZSSD1	310240L FT-80Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	-
EWAD650TZSSD1	310240L FT-90Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	-
EWAD520TZSSD2	310199L FT-60Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	6
	310199L FT-70Hz-AC						
EWAD555TZSSD2	310199L FT-65Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	6
	310199L FT-75Hz-AC						
EWAD585TZSSD2	310199L FT-70Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	6
	310199L FT-80Hz-AC						
EWAD645TZSSD2	310199L FT-80Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310199L FT-80Hz-AC						
EWAD705TZSSD2	310199L FT-90Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310199L FT-90Hz-AC						
EWAD760TZSSD2	310240S FT-60Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	8
	310240S FT-60Hz-AC						
EWAD835TZSSD2	310240S FT-65Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	8
	310240S FT-70Hz-AC						
EWAD960TZSSD2	310240L FT-60Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	8
	310240L FT-65Hz-AC						
EWADC10TZSSD2	310240L FT-65Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	8
	310240L FT-70Hz-AC						
EWADH10TZSSD2	310240L FT-70Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	8
	310240L FT-70Hz-AC						
EWADH11TZSSD2	310240L FT-75Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	8
	310240L FT-80Hz-AC						
EWADH12TZSSD2	310240L FT-85Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	10
	310240L FT-85Hz-AC						
EWADH13TZSSD2	310240L FT-90Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	12
	310240L FT-95Hz-AC						
EWADH14TZSSD2	310240L FT-100Hz-AC	330 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	12
	310240L FT-100Hz-AC						
EWADH15TZSSD2	F4ALVVR-55Hz-AC	330 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	12
	F4ALVVR-55Hz-AC						
EWADH16TZSSD2	F4ALVVR-60Hz-AC	330 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	12
	F4ALVVR-60Hz-AC						
EWADH17TZSSD2	F4ALVVR-65Hz-AC	400 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	12	12
	F4ALVVR-65Hz-AC						
EWADH18TZSSD2	F4ALVVR-70Hz-AC	400 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	12	12
	F4ALVVR-70Hz-AC						
EWADH19TZSSD2	F4ALVVR-75Hz-AC	400 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	12	12
	F4ALVVR-75Hz-AC						

Table C – Unit composition for EWAD-TZ-D Efficiency Class XS (Gold)

Daikin Model	Compressor	VFD	Fan Std	Opt.142C kit HA	Fan Opt.160c	Reduced Noise XR	FanC1	FanC2
EWAD295TZXSD1	310199L Full Spec-70 Hz -AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	6	-
EWAD345TZXSD1	310199L Full Spec-80Hz-AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	8	-
EWAD380TZXSD1	310199L Full Spec-90Hz-AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	8	-
EWAD440TZXSD1	310240L Full Spec-55 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	10	-
EWAD515TZXSD1	310240L Full Spec 60 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	10	-
EWAD565TZXSD1	310240L Full Spec 70 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	12	-
EWAD635TZXSD1	310240L Full Spec 80 Hz	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	12	-
EWAD705TZXSD1	F4ALVVR 50 Hz -AC	330 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	12	-
EWAD760TZXSD1	F4ALVVR 55 Hz -AC	330 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	12	-
EWAD525TZXSD2	310199L Full Spec 60 Hz -AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	6	6
	310199L Full Spec 60 Hz -AC							
EWAD565TZXSD2	310199L Full Spec 65 Hz -AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	6	6
	310199L Full Spec 65 Hz -AC							
EWAD610TZXSD2	310199L Full Spec 70 Hz -AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	6	8
	310199L Full Spec 70 Hz -AC							
EWAD670TZXSD2	310199L Full Spec 75 Hz -AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	6	8
	310199L Full Spec 80 Hz -AC							
EWAD725TZXSD2	310199L Full Spec 80 Hz -AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	6	8
	310199L Full Spec 85 Hz -AC							
EWAD805TZXSD2	310199L Full Spec 85 Hz -AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	8	8
	310199L Full Spec 90 Hz -AC							
EWAD880TZXSD2	310240L Full Spec 55 Hz	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	8	8
	310240L Full Spec 55 Hz							
EWAD950TZXSD2	310240L Full Spec 60 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	8	8
	310240L Full Spec 60 Hz -AC							
EWADC10TZXSD2	310240L Full Spec 60 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	8	10
	310240L Full Spec 65 Hz -AC							
EWADH10TZXSD2	310240L Full Spec 65 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	8	10
	310240L Full Spec 70 Hz -AC							
EWADH11TZXSD2	310240L Full Spec 70 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	10	10
	310240L Full Spec 70 Hz -AC							
EWADC12TZXSD2	310240L Full Spec 75 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	10	10
	310240L Full Spec 75 Hz -AC							
EWADH12TZXSD2	310240L Full Spec 80 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	10	10
	310240L Full Spec 80 Hz AC							
EWADH13TZXSD2	310240L Full Spec 85 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	10	12
	310240L Full Spec 85 Hz -AC							
EWADH14TZXSD2	F4ALVVR-50Hz-AC	330 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	12	12
	F4ALVVR-50Hz-AC	kW						
EWADH15TZXSD2	F4ALVVR-55Hz-AC	330 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	12	12
	F4ALVVR-55Hz-AC	kW						
EWADH16TZXSD2	F4ALVVR-60Hz-AC	330 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	12	12
	F4ALVVR-60Hz-AC	kW						
EWADH17TZXSD2	F4ALVVR-65Hz-AC	400 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	12	12
	F4ALVVR-65Hz-AC	kW						

9.2.2 EWAH TZ-D R1234ze

Table E – Unit composition for EWAH-TZ-D Efficiency Class BS (Blue)



The std. Fan for the EWAD TZ-D Efficiency Class BS (Blue) is ON/OFF 950rpm

Daikin Model	Compressor	VFD	Fan Opt.42b	OP. 229 Fan BRS	Opt.142 kit HA	Fan Opt.160c	Fan C1	FanC2
EWAH235TZBSD1	310199L FT-80Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	-
EWAH255TZBSD1	310199L FT-90Hz AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	-
EWAH300TZBSD1	310199L FT-110Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	-
EWAH350TZBSD1	310240L FT-65Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAH400TZBSD1	310240L FT-75Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAH420TZBSD1	310240L FT-80Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAH455TZBSD1	310240L FT-90Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAH505TZBSD1	310240L FT-100Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAH545TZBSD1	310240L FT-105Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAH400TZBSD2	310199L FT-65Hz-AC	90 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	4
	310199L FT-65Hz-AC							
EWAH425TZBSD2	310199L FT-70Hz-AC	90 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	4
	310199L FT-70Hz-AC							
EWAH485TZBSD2	310199L FT-80Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	4
	310199L FT-80Hz-AC							
EWAH545TZBSD2	310199L FT-90Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	4
	310199L FT-90Hz-AC							
EWAH590TZBSD2	310199L FT-90Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	6
	310199L FT-105Hz-AC							
EWAH635TZBSD2	310199L FT-105Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	6
	310199L FT-110Hz-AC							
EWAH745TZBSD2	310240L FT-65Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310240L FT-65Hz-AC							
EWAH785TZBSD2	310240L FT-70Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310240L FT-70Hz-AC							
EWAH845TZBSD2	310240L FT-75Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310240L FT-75Hz-AC							
EWAH900TZBSD2	310240L FT-75Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	8
	310240L FT-85Hz-AC							
EWAH985TZBSD2	310240L FT-85Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	8
	310240L FT-95Hz-AC							
EWAHC11TZBSD2	310240L FT-100Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	8
	310240L FT-100Hz-AC							
EWAHH11TZBSD2	310240L FT-110Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	8
	310240L FT-110Hz-AC							
EWAHC13TZBSD2	F4ALVVR-60Hz-AC	330 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	10
	F4ALVVR-65Hz-AC							
EWAHH13TZBSD2	F4ALVVR-65Hz-AC	330 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	10
	F4ALVVR-70Hz-AC							
EWAHH14TZBSD2	F4ALVVR-70Hz-AC	400 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	10
	F4ALVVR-75Hz-AC							
EWAHC15TZBSD2	F4ALVVR-75Hz-AC	400 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	10
	F4ALVVR-80Hz-AC							
EWAHH15TZBSD2	F4ALVVR-80Hz-AC	400 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	12
	F4ALVVR-80Hz-AC							

Table F – Unit composition for EWAH-TZ-D Efficiency Class SS (Silver)

Daikin Model	Compressor	VFD	Fan Std	Opt.142C kit HA	Fan Opt.160c	FanC 1	FanC2
EWAH240TZSSD1	310199L FT-80Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAH265TZSSD1	310199L FT-90Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAH295TZSSD1	310199L FT-100Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAH370TZSSD1	310240L FT-65Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAH415TZSSD1	310240L FT-75Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAH450TZSSD1	310240L FT-80Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAH490TZSSD1	310240L FT-90Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAH540TZSSD1	310240L FT-100Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	-
EWAH400TZSSD2	310199L FT-65Hz-AC	90 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	6
	310199L FT-65Hz-AC	kW					
EWAH470TZSSD2	310199L FT-75Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	6
	310199L FT-80Hz-AC	kW					
EWAH535TZSSD2	310199L FT-80Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	6
	310199L FT-85Hz-AC	kW					
EWAH595TZSSD2	310199L FT-90Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310199L FT-100Hz-AC	kW					
EWAH630TZSSD2	310199L FT-100Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310199L FT-105Hz-AC	kW					
EWAH690TZSSD2	310240L FT-60Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310240L FT-60Hz-AC	kW					
EWAH740TZSSD2	310240L FT-60Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310240L FT-70Hz-AC	kW					
EWAH795TZSSD2	310240L FT-70Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	8
	310240L FT-70Hz-AC	kW					
EWAH855TZSSD2	310240L FT-75Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	8
	310240L FT-75Hz-AC	kW					
EWAH910TZSSD2	310240L FT-75Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	8
	310240L FT-80Hz-AC	kW					
EWAH980TZSSD2	310240L FT-85Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	10
	310240L FT-90Hz-AC	kW					
EWAHC10TZSSD2	310240L FT-90Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	10
	310240L FT-95Hz-AC	kW					
EWAHC11TZSSD2	310240L FT-95Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	10
	310240L FT-100Hz-AC	kW					
EWAHC12TZSSD2	310240L FT-110Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	10
	310240L FT-110Hz-AC	kW					
EWAHH12TZSSD2	F4ALVVR-60Hz-AC	330 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	10
	F4ALVVR-65Hz-AC	kW					
EWAHH13TZSSD2	F4ALVVR-65Hz-AC	330 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	10
	F4ALVVR-70Hz-AC	kW					
EWAHC14TZSSD2	F4ALVVR-70Hz-AC	400 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	12
	F4ALVVR-75Hz-AC	kW					
EWAHC15TZSSD2	F4ALVVR-75Hz-AC	400 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	12	12
	F4ALVVR-80Hz-AC	kW					
EWAHH15TZSSD2	F4ALVVR-80Hz-AC	400 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	12	12
	F4ALVVR-80Hz-AC	kW					

Table G – Unit composition for EWAH-TZ-D Efficiency Class XS (Gold)

Daikin Model	Compressor	VFD	Fan Std	Opt.142C kit HA	Fan Opt.160c	Reduced Noise XR	Fan C1	Fan C2
EWAH220TZXSD1	310199L Full Spec-70Hz-AC	90 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	4	-
EWAH230TZXSD1	310199L Full Spec-75Hz-AC	90 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	4	-
EWAH275TZXSD1	310199L Full Spec-85Hz-AC	120 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	6	-
EWAH300TZXSD1	310199L Full Spec-95Hz-AC	120 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	6	-
EWAH350TZXSD1	310240L Full Spec-60Hz-AC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	8	-
EWAH400TZXSD1	310240L Full Spec-70Hz-AC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	8	-
EWAH470TZXSD1	310240L Full Spec-80Hz-AC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	10	-
EWAH515TZXSD1	310240L Full Spec-90Hz-AC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	10	-
EWAH540TZXSD1	F4ALVVR 50 Hz -AC	330 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	10	-
EWAH620TZXSD1	F4ALVVR 60 Hz -AC	330 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	10	-
EWAH465TZXSD2	310199L Full Spec-70Hz-AC	90 kW	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	6	6
	310199L Full Spec-75Hz-AC		850 rpm (BRS)	1100 rpm (BRS)	1100 rpm (BRS)	720 rpm (BRS)		
EWAH545TZXSD2	310199L Full Spec-80Hz-AC	90 kW	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	6	6
	310199L Full Spec-80Hz-AC		850 rpm (BRS)	1100 rpm (BRS)	1100 rpm (BRS)	720 rpm (BRS)		
EWAH600TZXSD2	310199L Full Spec-90Hz-AC	120 kW	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	6	6
	310199L Full Spec-90Hz-AC		850 rpm (BRS)	1100 rpm (BRS)	1100 rpm (BRS)	720 rpm (BRS)		
EWAH645TZXSD2	310240L Full Spec-55Hz-AC	200 kW	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	6	6
	310240L Full Spec-55Hz-AC		850 rpm (BRS)	1100 rpm (BRS)	1100 rpm (BRS)	720 rpm (BRS)		
EWAH700TZXSD2	310240L Full Spec-60Hz-AC	200 kW	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	6	6
	310240L Full Spec-60Hz-AC		850 rpm (BRS)	1100 rpm (BRS)	1100 rpm (BRS)	720 rpm (BRS)		
EWAH750TZXSD2	310240L Full Spec-60Hz-AC	200 kW	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	6	8
	310240L Full Spec-65Hz-AC		850 rpm (BRS)	1100 rpm (BRS)	1100 rpm (BRS)	720 rpm (BRS)		
EWAH790TZXSD2	310240L Full Spec-65Hz-AC	200 kW	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	8	8
	310240L Full Spec-65Hz-AC		850 rpm (BRS)	1100 rpm (BRS)	1100 rpm (BRS)	720 rpm (BRS)		
EWAH840TZXSD2	310240L Full Spec-70Hz-AC	200 kW	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	8	8
	310240L Full Spec-70Hz-AC		850 rpm (BRS)	1100 rpm (BRS)	1100 rpm (BRS)	720 rpm (BRS)		
EWAH900TZXSD2	310240L Full Spec-75Hz-AC	200 kW	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	8	8
	310240L Full Spec-75Hz-AC		850 rpm (BRS)	1100 rpm (BRS)	1100 rpm (BRS)	720 rpm (BRS)		
EWAH975TZXSD2	310240L Full Spec-80Hz-AC	200 kW	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	8	10
	310240L Full Spec-85Hz-AC		850 rpm (BRS)	1100 rpm (BRS)	1100 rpm (BRS)	720 rpm (BRS)		
EWAHH10TZXSD2	310240L Full Spec-90Hz-AC	200 kW	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	10	10
	310240L Full Spec-90Hz-AC		850 rpm (BRS)	1100 rpm (BRS)	1100 rpm (BRS)	720 rpm (BRS)		
EWAHH11TZXSD2	F4ALVVR-55Hz-AC	330 kW	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	10	10
	F4ALVVR-55Hz-AC		850 rpm (BRS)	1100 rpm (BRS)	1100 rpm (BRS)	720 rpm (BRS)		
EWAHH12TZXSD2	F4ALVVR-60Hz-AC	330 kW	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	10	12
	F4ALVVR-60Hz-AC		850 rpm (BRS)	1100 rpm (BRS)	1100 rpm (BRS)	720 rpm (BRS)		
EWAHH13TZXSD2	F4ALVVR-65Hz-AC	330 kW	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	12	12
	F4ALVVR-65Hz-AC		850 rpm (BRS)	1100 rpm (BRS)	1100 rpm (BRS)	720 rpm (BRS)		

Table H – Unit composition for EWAH-TZ-D Efficiency Class PS (Platinum)

Daikin Model	Compressor	VFD	Fan Std	Opt.142C kit HA	Fan Opt.160c	Reduced Noise PR	Fan C1	Fan C2
EWAH225TZPSD1	310199L Full Spec-70 Hz DC	90 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	6	-
EWAH265TZPSD1	310199L Full Spec-80Hz-DC	90 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	8	-
EWAH295TZPSD1	310199L Full Spec-90Hz-DC	120 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	8	-
EWAH340TZPSD1	310240L Full Spec-55Hz -DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	10	-
EWAH395TZPSD1	310240L Full Spec 65Hz -DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	10	-
EWAH435TZPSD1	310240L Full Spec 70Hz -DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	12	-
EWAH490TZPSD1	310240L Full Spec 80 H -DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	12	-
EWAH545TZPSD1	F4ALVVR-50Hz-DC	330 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	12	-
EWAH500TZPSD2	310199L Full Spec 70 Hz-DC	90 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	6	6
	310199L Full Spec 75 Hz-DC	90 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	6	8
EWAH540TZPSD2	310199L Full Spec 75 Hz-DC	90 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	6	8
	310199L Full Spec 80 Hz-DC	90 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	6	8
EWAH615TZPSD2	310240L Full Spec 50 Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	6	8
	310240L Full Spec 50 Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	6	8
EWAH645TZPSD2	310240L Full Spec 50 Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	6	8
	310240L Full Spec 55 Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	6	8
EWAH700TZPSD2	310240L Full Spec 55 Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	6	8
	310240L Full Spec 60 Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	8	8
EWAH770TZPSD2	310240L Full Spec 60 Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	8	8
	310240L Full Spec 65 Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	8	10
EWAH845TZPSD2	310240L Full Spec 65 Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	8	10
	310240L Full Spec 70 Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	8	10
EWAH900TZPSD2	310240L Full Spec 70 Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	10	10
	310240L Full Spec 75 Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	10	10
EWAH960TZPSD2	310240L Full Spec 75 Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	10	10
	310240L Full Spec 80 Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	10	10
EWAHC10TZPSD2	310240L Full Spec 80 Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	10	12
	310240L Full Spec 85 Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	10	12
EWAHH10TZPSD2	310240L Full Spec 85 Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	10	12
	310240L Full Spec 90 Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	10	12
EWAHH11TZPSD2	F4ALVVR-50Hz-DC	330 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	12	12
	F4ALVVR-55Hz-DC	330 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	12	12
EWAHC12TZPSD2	F4ALVVR-55Hz-DC	330 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	12	12
	F4ALVVR-55Hz-DC	330 kW	DAE EC Ø930 mm 850 rpm (BRS)	Std Fan 950 rpm (BRS)	Std Fan 950 rpm (BRS)	DAE EC Ø930 mm 720 rpm (BRS)	12	12

Table I – Unit composition for EWAS-TZ-D Efficiency Class BS (Blue)



The std. Fan for the EWAD TZ-D Efficiency Class BS (Blue) is ON/OFF 950rpm

Daikin Model	Compressor	VFD	Fan Opt.42b	OP. 229 Fan BRS	Opt.142 kit HA	Fan Opt.160c	FanC1	FanC2
EWAS275TZBSD1	310199L FT-70Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	-
EWAS320TZBSD1	310199L FT-80Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAS345TZBSD1	310199L FT-90Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAS400TZBSD1	310240S FT-70Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAS470TZBSD1	310240L FT-65Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAS525TZBSD1	310240L FT-70Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAS580TZBSD1	310240L FT-80Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAS625TZBSD1	310240L FT-90Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAS510TZBSD2	310199L FT-60Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	4
	310199L FT-70Hz-AC							
EWAS545TZBSD2	310199L FT-65Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	4
	310199L FT-75Hz-AC							
EWAS570TZBSD2	310199L FT-70Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	4
	310199L FT-80Hz-AC							
EWAS630TZBSD2	310199L FT-80Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	6
	310199L FT-80Hz-AC							
EWAS670TZBSD2	310199L FT-85Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	6
	310199L FT-90Hz-AC							
EWAS755TZBSD2	310240S FT-60Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310240S FT-60Hz-AC							
EWAS830TZBSD2	310240S FT-65Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310240S FT-70Hz-AC							
EWAS915TZBSD2	310240L FT-60Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310240L FT-60Hz-AC							
EWASC10TZBSD2	310240L FT-65Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310240L FT-70Hz-AC							
EWASH10TZBSD2	310240L FT-70Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	8
	310240L FT-75Hz-AC							
EWASH11TZBSD2	310240L FT-75Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	8
	310240L FT-80Hz-AC							
EWASC12TZBSD2	310240L FT-80Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	10
	310240L FT-85Hz-AC							
EWASC13TZBSD2	310240L FT-90Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	10
	310240L FT-90Hz-AC							
EWASC14TZBSD2	310240L FT-95Hz-AC	330 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	10
	310240L FT-100Hz-AC							
EWASC15TZBSD2	310240L FT-100Hz-AC	330 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	12
	310240L FT-110Hz-AC							
EWASH16TZBSD2	F4ALVVR-60Hz-AC	330 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	12
	F4ALVVR-60Hz-AC							
EWASH17TZBSD2	F4ALVVR-65Hz-AC	400 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	12
	F4ALVVR-65Hz-AC							
EWASH18TZBSD2	F4ALVVR-70Hz-AC	400 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	12	12
	F4ALVVR-70Hz-AC							
EWASH19TZBSD2	F4ALVVR-75Hz-AC	400 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	12	12
	F4ALVVR-75Hz-AC							

Table J – Unit composition for EWAS-TZ-D Efficiency Class SS (Silver)

Daikin Model	Compressor	Inv	Fan Std	Opt.142C kit HA	Fan Opt.160c	FanC1	FanC2
EWAS285TZSSD1	310199L FT-70Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAS325TZSSD1	310199L FT-80Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAS380TZSSD1	310199L FT-90Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAS430TZSSD1	310240S FT-70Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAS495TZSSD1	310240L FT-65Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAS535TZSSD1	310240L FT-70Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	-
EWAS595TZSSD1	310240L FT-80Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	-
EWAS650TZSSD1	310240L FT-90Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	-
EWAS520TZSSD2	310199L FT-60Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	6
	310199L FT-70Hz-AC						
EWAS555TZSSD2	310199L FT-65Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	6
	310199L FT-75Hz-AC						
EWAS585TZSSD2	310199L FT-70Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	6
	310199L FT-80Hz-AC						
EWAS645TZSSD2	310199L FT-80Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310199L FT-80Hz-AC						
EWAS705TZSSD2	310199L FT-90Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310199L FT-90Hz-AC						
EWAS760TZSSD2	310240S FT-60Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	8
	310240S FT-60Hz-AC						
EWAS835TZSSD2	310240S FT-65Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	8
	310240S FT-70Hz-AC						
EWAS960TZSSD2	310240L FT-60Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	8
	310240L FT-65Hz-AC						
EWASC10TZSSD2	310240L FT-65Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	8
	310240L FT-70Hz-AC						
EWASH10TZSSD2	310240L FT-70Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	8
	310240L FT-70Hz-AC						
EWASH11TZSSD2	310240L FT-75Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	8
	310240L FT-80Hz-AC						
EWASH12TZSSD2	310240L FT-85Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	10
	310240L FT-85Hz-AC						
EWASH13TZSSD2	310240L FT-90Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	12
	310240L FT-95Hz-AC						
EWASH14TZSSD2	310240L FT-100Hz-AC	330 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	12
	310240L FT-100Hz-AC						
EWASH15TZSSD2	F4ALVVR-55Hz-AC	330 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	12
	F4ALVVR-55Hz-AC						
EWASH16TZSSD2	F4ALVVR-60Hz-AC	330 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	12
	F4ALVVR-60Hz-AC						
EWASH17TZSSD2	F4ALVVR-65Hz-AC	400 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	12	12
	F4ALVVR-65Hz-AC						
EWASH18TZSSD2	F4ALVVR-70Hz-AC	400 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	12	12
	F4ALVVR-70Hz-AC						
EWASH19TZSSD2	F4ALVVR-75Hz-AC	400 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	12	12
	F4ALVVR-75Hz-AC						

Table K – Unit composition for EWAS-TZ-D Efficiency Class XS (Gold)

Daikin Model	Compressor	VFD	Fan Std	Opt.142C kit HA	Fan Opt.160c	Reduced Noise XR	FanC1	FanC2
EWAS295TZXSD1	310199L Full Spec-70 Hz AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	6	-
EWAS345TZXSD1	310199L Full Spec-80Hz-AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	8	-
EWAS380TZXSD1	310199L Full Spec-90Hz-AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	8	-
EWAS440TZXSD1	310240L Full Spec-55 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	10	-
EWAS515TZXSD1	310240L Full Spec 60 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	10	-
EWAS565TZXSD1	310240L Full Spec 70 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	12	-
EWAS635TZXSD1	310240L Full Spec 80 Hz	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	12	-
EWAS705TZXSD1	F4ALVVR 50 Hz -AC	330 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	12	-
EWAS760TZXSD1	F4ALVVR 55 Hz -AC	330 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	12	-
EWAS525TZXSD2	310199L Full Spec 60 Hz -AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	6	6
	310199L Full Spec 60 Hz -AC							
EWAS565TZXSD2	310199L Full Spec 65 Hz -AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	6	6
	310199L Full Spec 65 Hz -AC							
EWAS610TZXSD2	310199L Full Spec 70 Hz -AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	6	8
	310199L Full Spec 70 Hz -AC							
EWAS670TZXSD2	310199L Full Spec 75 Hz -AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	6	8
	310199L Full Spec 80 Hz -AC							
EWAS725TZXSD2	310199L Full Spec 80 Hz -AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	6	8
	310199L Full Spec 85 Hz -AC							
EWAS805TZXSD2	310199L Full Spec 85 Hz -AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	8	8
	310199L Full Spec 90 Hz -AC							
EWAS880TZXSD2	310240L Full Spec 55 Hz	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	8	8
	310240L Full Spec 55 Hz							
EWAS950TZXSD2	310240L Full Spec 60 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	8	8
	310240L Full Spec 60 Hz -AC							
EWASC10TZXSD2	310240L Full Spec 60 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	8	10
	310240L Full Spec 65 Hz -AC							
EWASH10TZXSD2	310240L Full Spec 65 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	8	10
	310240L Full Spec 70 Hz -AC							
EWASH11TZXSD2	310240L Full Spec 70 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	10	10
	310240L Full Spec 70 Hz -AC							
EWASC12TZXSD2	310240L Full Spec 75 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	10	10
	310240L Full Spec 75 Hz -AC							
EWASH12TZXSD2	310240L Full Spec 80 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	10	10
	310240L Full Spec 80 Hz AC							
EWASH13TZXSD2	310240L Full Spec 85 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	10	12
	310240L Full Spec 85 Hz -AC							
EWASH14TZXSD2	F4ALVVR-50Hz-AC	330 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	12	12
	F4ALVVR-50Hz-AC							
EWASH15TZXSD2	F4ALVVR-55Hz-AC	330 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	12	12
	F4ALVVR-55Hz-AC							
EWASH16TZXSD2	F4ALVVR-60Hz-AC	330 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	12	12
	F4ALVVR-60Hz-AC							
EWASH17TZXSD2	F4ALVVR-65Hz-AC	400 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	12	12
	F4ALVVR-65Hz-AC							

Table L – Unit composition for EWAS-TZ-D Efficiency Class PS (Platinum)

Daikin Model	Compressor	Inv	Fan Std	Opt.142C kit HA	Fan Opt.160c	Reduced Noise PR	FanC1	FanC2
EWAS285TZPSD1	310199L Full Spec-65 Hz DC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	8	-
EWAS330TZPSD1	310199L Full Spec-75Hz-DC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	10	-
EWAS370TZPSD1	310199L Full Spec-85Hz-DC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	10	-
EWAS405TZPSD1	310240L Full Spec-50Hz-DC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	12	-
EWAS450TZPSD1	310240L Full Spec 55Hz-DC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	12	-
EWAS490TZPSD1	310240L Full Spec 60Hz-DC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 720 rpm (BRS)	12	-
EWAS530TZPSD2	310199L Full Spec 60 Hz-DC	120	DAE DC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE DC Ø930 mm	6	8
	310199L Full Spec 60 Hz-DC	kW	850 rpm (BRS)	950 rpm (BRS)	950 rpm (BRS)	720 rpm (BRS)		
EWAS575TZPSD2	310199L Full Spec 65 Hz-DC	120	DAE DC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE DC Ø930 mm	6	8
	310199L Full Spec 65 Hz-DC	kW	850 rpm (BRS)	950 rpm (BRS)	950 rpm (BRS)	720 rpm (BRS)		
EWAS615TZPSD2	310199L Full Spec 70 Hz-DC	120	DAE DC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE DC Ø930 mm	8	8
	310199L Full Spec 70 Hz-DC	kW	850 rpm (BRS)	950 rpm (BRS)	950 rpm (BRS)	720 rpm (BRS)		
EWAS675TZPSD2	310199L Full Spec 75 Hz-DC	120	DAE DC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE DC Ø930 mm	8	8
	310199L Full Spec 80 Hz-DC	kW	850 rpm (BRS)	950 rpm (BRS)	950 rpm (BRS)	720 rpm (BRS)		
EWAS735TZPSD2	310199L Full Spec 80 Hz-DC	120	DAE DC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE DC Ø930 mm	8	8
	310199L Full Spec 85 Hz-DC	kW	850 rpm (BRS)	950 rpm (BRS)	950 rpm (BRS)	720 rpm (BRS)		
EWAS810TZPSD2	310199L Full Spec 85 Hz-DC	120	DAE DC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE DC Ø930 mm	8	10
	310199L Full Spec 90 Hz-DC	kW	850 rpm (BRS)	950 rpm (BRS)	950 rpm (BRS)	720 rpm (BRS)		
EWAS890TZPSD2	310240L Full Spec 55 Hz-DC	200	DAE DC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE DC Ø930 mm	8	10
	310240L Full Spec 55 Hz-DC	kW	850 rpm (BRS)	950 rpm (BRS)	950 rpm (BRS)	720 rpm (BRS)		
EWAS960TZPSD2	310240L Full Spec 60 Hz-DC	200	DAE DC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE DC Ø930 mm	8	10
	310240L Full Spec 60 Hz-DC	kW	850 rpm (BRS)	950 rpm (BRS)	950 rpm (BRS)	720 rpm (BRS)		
EWASC10TZPSD2	310240L Full Spec 60 Hz-DC	200	DAE DC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE DC Ø930 mm	10	10
	310240L Full Spec 65 Hz-DC	kW	850 rpm (BRS)	950 rpm (BRS)	950 rpm (BRS)	720 rpm (BRS)		
EWASH10TZPSD2	310240L Full Spec 65 Hz-DC	200	DAE DC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE DC Ø930 mm	10	10
	310240L Full Spec 70 Hz-DC	kW	850 rpm (BRS)	950 rpm (BRS)	950 rpm (BRS)	720 rpm (BRS)		
EWASH11TZPSD2	310240L Full Spec 70 Hz-DC	200	DAE DC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE DC Ø930 mm	10	12
	310240L Full Spec 70 Hz-DC	kW	850 rpm (BRS)	950 rpm (BRS)	950 rpm (BRS)	720 rpm (BRS)		
EWASC12TZPSD2	310240L Full Spec 75 Hz-DC	200	DAE DC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE DC Ø930 mm	10	12
	310240L Full Spec 75 Hz-DC	kW	850 rpm (BRS)	950 rpm (BRS)	950 rpm (BRS)	720 rpm (BRS)		
EWASH12TZPSD2	310240L Full Spec 80 Hz-DC	200	DAE DC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE DC Ø930 mm	10	12
	310240L Full Spec 80 Hz DC	kW	850 rpm (BRS)	950 rpm (BRS)	950 rpm (BRS)	720 rpm (BRS)		
EWASH14TZPSD2	F4ALVVR-50Hz-DC	330	DAE DC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE DC Ø930 mm	12	12
	F4ALVVR-50Hz-DC	kW	850 rpm (BRS)	950 rpm (BRS)	950 rpm (BRS)	720 rpm (BRS)		
EWASH15TZPSD2	F4ALVVR-55Hz-DC	330	DAE DC Ø930 mm	DAE EC Ø930 mm	DAE EC Ø930 mm	DAE DC Ø930 mm	12	12
	F4ALVVR-55Hz-DC	kW	850 rpm (BRS)	950 rpm (BRS)	950 rpm (BRS)	720 rpm (BRS)		

9.2.4 EWAD MZ-D R134a

Table M – Unit composition for EWAD-MZ-D Efficiency Class SS (Silver)

Daikin Model	Compressor	VFD	Fan Std	Opt.142C kit HA	FanC1	FanC2
EWAD265MZSSD1	310199L FT-75Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	4	-
EWAD320MZSSD1	310199L FT-90Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	-
EWAD405MZSSD1	310240S FT-75Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	-
EWAD450MZSSD1	310240L FT-70Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	-
EWAD485MZSSD1	310240L FT-75Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	-
EWAD545MZSSD1	310240L FT-85Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	8	-
EWAD595MZSSD1	310240L FT-95Hz-AC	330 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	8	-
EWAD615MZSSD1	310240L FT-100Hz-AC	330 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	8	-
EWAD535MZSSD2	310199L FT-75Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	4	4
	310199L FT-75Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	4	4
EWAD560MZSSD2	310199L FT-80Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	4	4
	310199L FT-80Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	4	4
EWAD595MZSSD2	310199L FT-85Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	4	4
	310199L FT-85Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	4	4
EWAD620MZSSD2	310199L FT-85Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	4	6
	310199L FT-90Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	4	6
EWAD650MZSSD2	310199L FT-90Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	6
	310199L FT-90Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	6
EWAD740MZSSD2	310240S FT-70Hz-AC	200 Kw	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	6
	310240S FT-70Hz-AC	200 Kw	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	6
EWAD780MZSSD2	310240S FT-70Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	6
	310240S FT-70Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	6
EWAD910MZSSD2	310240L FT-70Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	6
	310240L FT-70Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	6
EWAD950MZSSD2	310240L FT-70Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	8
	310240L FT-70Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	8
EWADC10MZSSD2	310240L FT-75Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	8
	310240L FT-80Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	8
EWADC11MZSSD2	310240L FT-85Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	8	8
	310240L FT-85Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	8	8
EWADH11MZSSD2	310240L FT-90Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	8	8
	310240L FT-90Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	8	8
EWADC13MZSSD2	310240L FT-100Hz-AC	330 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	10	10
	310240L FT-100Hz-AC	330 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	10	10
EWADH14MZSSD2	F4ALVVR-60Hz-AC	330 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	10	10
	F4ALVVR-60Hz-AC	330 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	10	10
EWADC15MZSSD2	F4ALVVR-65Hz-AC	400 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	10	12
	F4ALVVR-65Hz-AC	400 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	10	12
EWADC16MZSSD2	F4ALVVR-70Hz-AC	400 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	10	12
	F4ALVVR-70Hz-AC	400 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	10	12
EWADC17MZSSD2	F4ALVVR-75Hz-AC	400 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	12	12
	F4ALVVR-75Hz-AC	400 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	12	12

Table N – Unit composition for EWAD-MZ-D Efficiency Class XS (Gold)

Modello Daikin	Compressore	Inv	Fan Std	Opt.142C kit HA	FanC1	FanC2
EWAD280MZXS1	310199L FT-75Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	-
EWAD320MZXS1	310199L FT-85Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	8	-
EWAD335MZXS1	310199L FT-90Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	8	-
EWAD440MZXS1	310240S FT-80Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	8	-
EWAD480MZXS1	310240L FT-70Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	8	-
EWAD545MZXS1	310240L FT-80Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	10	-
EWAD595MZXS1	310240L FT-90Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	10	-
EWAD525MZXS2	310199L FT-70Hz-AC	120kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	4	6
	310199L FT-70Hz-AC					
EWAD555MZXS2	310199L FT-75Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	4	6
	310199L FT-75Hz-AC					
EWAD585MZXS2	310199L FT-80Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	4	6
	310199L FT-80Hz-AC					
EWAD615MZXS2	310199L FT-80Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	6
	310199L FT-85Hz-AC					
EWAD665MZXS2	310199L FT-90Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	8
	310199L FT-90Hz-AC					
EWAD700MZXS2	310199L FT-90Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	8
	310199L FT-90Hz-AC					
EWAD825MZXS2	310240S FT-70Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	8
	310240S FT-75Hz-AC					
EWAD920MZXS2	310240L FT-65Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	8
	310240L FT-70Hz-AC					
EWAD960MZXS2	310240L FT-70Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	8
	310240L FT-75Hz-AC					
EWADC10MZXS2	310240L FT-70Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	8	8
	310240L FT-75Hz-AC					
EWADC11MZXS2	310240L FT-85Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	8	8
	310240L FT-85Hz-AC					
EWADH11MZXS2	310240L FT-80Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	8	10
	310240L FT-85Hz-AC					
EWADC12MZXS2	310240L FT-85Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	10	10
	310240L FT-90Hz-AC					
EWADC13MZXS2	310240L FT-100Hz-AC	330 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	10	10
	310240L FT-100Hz-AC					
EWADH14MZXS2	F4ALVVR-60Hz-AC	330 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	10	10
	F4ALVVR-60Hz-AC					
EWADC16MZXS2	F4ALVVR-65Hz-AC	400 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	12	12
	F4ALVVR-65Hz-AC					
EWADH16MZXS2	F4ALVVR-70Hz-AC	400 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	12	12
	F4ALVVR-70Hz-AC					

Table O – Unit composition for EWAD-MZ-D Efficiency Class PS (Platinum)

Daikin Model	Compressor	VFD	Fan Std	Opt.142C kit HA	FanC1	FanC2
EWAD260MZPSD1	310199L FT-70Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	-
EWAD300MZPSD1	310199L FT-80Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	8	-
EWAD365MZPSD1	310240L FT-50Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	8	-
EWAD435MZPSD1	310240L FT-60Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	10	-
EWAD490MZPSD1	310240L FT-70Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	10	-
EWAD555MZPSD1	310240L FT-80Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	12	-
EWAD615MZPSD1	310240L FT-90Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	12	-
EWAD670MZPSD1	310240L FT-100Hz-AC	330 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	12	-
EWAD720MZPSD1	310199L FT-110Hz-AC	330 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	12	-
EWAD565MZPSD2	310199L FT-70Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	6
	310199L FT-75Hz-AC					
EWAD600MZPSD2	310199L FT-75Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	8
	310199L FT-80Hz-AC					
EWAD630MZPSD2	310199L FT-80Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	8
	310199L FT-85Hz-AC					
EWAD680MZPSD2	310199L FT-85Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	8
	310199L FT-90Hz-AC					
EWAD730MZPSD2	310240S FT-60Hz-AC	200 Kw	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	8
	310240S FT-65Hz-AC					
EWAD830MZPSD2	310240S FT-70Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	8
	310240S FT-75Hz-AC					
EWAD900MZPSD2	310240L FT-60Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	8	8
	310240L FT-65Hz-AC					
EWAD960MZPSD2	310240L FT-65Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	8	10
	310240L FT-70Hz-AC					
EWADC10MZPSD2	310240L FT-75Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	10	10
	310240L FT-75Hz-AC					
EWADC11MZPSD2	310240L FT-80Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	10	10
	310240L FT-80Hz-AC					
EWADC12MZPSD2	310240L FT-85Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	10	12
	310240L FT-90Hz-AC					
EWADH13MZPSD2	310240L FT-95Hz-AC	330 Kw	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	10	12
	310240L FT-100Hz-AC					
EWADC14MZPSD2	310240L FT-105Hz-AC	330 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	12	12
	310240L FT-105Hz-AC					

Table P – Unit composition for EWAD-MZ-D Efficiency Class LS (Platinum Plus)

Daikin Model	Compressor	VFD	Fan Std	Opt.142C kit HA	FanC1	FanC2
EWAD265MZLSD1	310199L Full Spec - 70 Hz-DC	120 Kw	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	-
EWAD300MZLSD1	310199L Full Spec - 75 Hz-DC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	8	-
EWAD360MZLSD1	310240L Full Spec - 50Hz -DC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	8	-
EWAD405MZLSD1	310240L Full Spec - 55Hz -DC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	10	-
EWAD440MZLSD1	310240L Full Spec - 60Hz -DC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	10	-
EWAD525MZLSD1	310240L Full Spec - 70Hz -DC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	12	-
EWAD585MZLSD1	310240L Full Spec - 80Hz -DC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	12	-
EWAD640MZLSD1	310240L Full Spec - 90Hz -DC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	12	-
EWAD545MZLSD2	310199L Full Spec - 65 Hz-DC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	6
	310199L Full Spec - 70 Hz-DC					
EWAD590MZLSD2	310199L Full Spec - 70 Hz-DC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	8
	310199L Full Spec - 75 Hz-DC					
EWAD660MZLSD2	310199L Full Spec - 80 Hz-DC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	8
	310199L Full Spec - 80 Hz-DC					
EWAD710MZLSD2	310199L Full Spec - 85 Hz-DC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	8
	310199L Full Spec - 90 Hz-DC					
EWAD750MZLSD2	310240L Full Spec - 50Hz -DC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	6	8
	310240L Full Spec - 55Hz -DC					
EWAD845MZLSD2	310240L Full Spec - 55Hz -DC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	8	8
	310240L Full Spec - 60Hz -DC					
EWAD920MZLSD2	310240L Full Spec - 60Hz -DC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	8	10
	310240L Full Spec - 65Hz -DC					
EWAD980MZLSD2	310240L Full Spec - 65Hz -DC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	8	10
	310240L Full Spec - 70Hz -DC					
EWADH10MZLSD2	310240L Full Spec - 70Hz -DC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	10	10
	310240L Full Spec - 75Hz -DC					
EWADC11MZLSD2	310240L Full Spec - 75Hz -DC	200 Kw	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	10	10
	310240L Full Spec - 80Hz -DC					
EWADC12MZLSD2	310240L Full Spec - 80Hz -DC	200kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	10	12
	310240L Full Spec - 85Hz -DC					
EWADH12MZLSD2	310240L Full Spec - 90Hz -DC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE DC Ø930 mm 1100 rpm (BRS)	10	12
	310240L Full Spec - 90Hz -DC					

9.2.5 EWAH MZ-D R1234ze

Table Q – Unit composition for EWAH-MZ-D Efficiency Class SS (Silver)

Daikin Model	Compressor	VFD	Fan Std	Opt.142C kit HA	FanC1	FanC2
EWAH195MZSSD1	310199L FT-75Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	-
EWAH235MZSSD1	310199L FT-90Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	-
EWAH260MZSSD1	310199L FT-105Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	-
EWAH315MZSSD1	310240L FT-60Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAH370MZSSD1	310240L FT-75Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAH400MZSSD1	310240L FT-85Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAH435MZSSD1	310240L FT-95Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAH500MZSSD1	310240L FT-105Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAH380MZSSD2	310199L FT-65Hz-AC	90 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	4
	310199L FT-70Hz-AC					
EWAH400MZSSD2	310199L FT-70Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	4
	310199L FT-75Hz-AC					
EWAH420MZSSD2	310199L FT-75Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	4
	310199L FT-80Hz-AC					
EWAH455MZSSD2	310199L FT-80Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	4
	310199L FT-85Hz-AC					
EWAH510MZSSD2	310199L FT-90Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	4
	310199L FT-95Hz-AC					
EWAH560MZSSD2	310199L FT-100Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	6
	310199L FT-105Hz-AC					
EWAH580MZSSD2	310199L FT-105Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	6
	310199L FT-110Hz-AC					
EWAH615MZSSD2	310240L FT-60Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310240L FT-60Hz-AC					
EWAH670MZSSD2	310240L FT-60Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310240L FT-70Hz-AC					
EWAH740MZSSD2	310240L FT-70Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310240L FT-75Hz-AC					
EWAH790MZSSD2	310240L FT-75Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310240L FT-80Hz-AC					
EWAH840MZSSD2	310240L FT-80Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	8
	310240L FT-85Hz-AC					
EWAH900MZSSD2	310240L FT-90Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	8
	310240L FT-90Hz-AC					
EWAHC10MZSSD2	310240L FT-105Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	8
	310240L FT-105Hz-AC					
EWAHC11MZSSD2	F4ALVVR-60Hz-AC	330 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	10
	F4ALVVR-60Hz-AC					
EWAHC12MZSSD2	F4ALVVR-65Hz-AC	330 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	10
	F4ALVVR-65Hz-AC					
EWAHH12MZSSD2	F4ALVVR-70Hz-AC	330 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	10
	F4ALVVR-70Hz-AC					
EWAHH13MZSSD2	F4ALVVR-75Hz-AC	400 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	10
	F4ALVVR-75Hz-AC					
EWAHC14MZSSD2	F4ALVVR-80Hz-AC	400 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	10
	F4ALVVR-80Hz-AC					

Table R – Unit composition for EWAH-MZ-D Efficiency Class XS (Gold)

Daikin Model	Compressor	VFD	Fan Std	Opt.142C kit HA	FanC1	FanC2
EWAH215MZXS1	310199L FT-80Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAH235MZXS1	310199L FT-90Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAH275MZXS1	310199L FT-105Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAH345MZXS1	310240L FT-65Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAH385MZXS1	310240L FT-75Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAH420MZXS1	310240L FT-80Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAH455MZXS1	310240L FT-90Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAH500MZXS1	310240L FT-100Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	-
EWAH390MZXS2	310199L FT-65Hz-AC	90 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	6
	310199L FT-70Hz-AC					
EWAH410MZXS2	310199L FT-70Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	6
	310199L FT-75Hz-AC					
EWAH435MZXS2	310199L FT-75Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	6
	310199L FT-80Hz-AC					
EWAH470MZXS2	310199L FT-80Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	6
	310199L FT-85Hz-AC					
EWAH525MZXS2	310199L FT-90Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	6
	310199L FT-95Hz-AC					
EWAH580MZXS2	310199L FT-100Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310199L FT-105Hz-AC					
EWAH600MZXS2	310199L FT-105Hz-AC	120 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	8
	310199L FT-110Hz-AC					
EWAH640MZXS2	310240L FT-60Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310240L FT-60Hz-AC					
EWAH690MZXS2	310240L FT-60Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310240L FT-70Hz-AC					
EWAH760MZXS2	310240L FT-70Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	8
	310240L FT-75Hz-AC					
EWAH815MZXS2	310240L FT-75Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	8
	310240L FT-80Hz-AC					
EWAH865MZXS2	310240L FT-80Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	8
	310240L FT-85Hz-AC					
EWAH925MZXS2	310240L FT-90Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	8
	310240L FT-95Hz-AC					
EWAHC10MZXS2	310240L FT-105Hz-AC	200 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	10
	310240L FT-105Hz-AC					
EWAHH11MZXS2	F4ALVVR-60Hz-AC	330 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	10
	F4ALVVR-60Hz-AC					
EWAHH12MZXS2	F4ALVVR-65Hz-AC	330 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	10
	F4ALVVR-65Hz-AC					
EWAHC13MZXS2	F4ALVVR-70Hz-AC	330 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	10
	F4ALVVR-70Hz-AC					
EWAHH13MZXS2	F4ALVVR-75Hz-AC	400 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	12
	F4ALVVR-75Hz-AC					
EWAHC14MZXS2	F4ALVVR-80Hz-AC	400 kW	DAE DC Ø930 mm 1100 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	12
	F4ALVVR-80Hz-AC					

Table S – Unit composition for EWAH-MZ-D Efficiency Class PS (Platinum)

Daikin Model	Compressor	VFD	Fan Std	Opt.142C kit HA	FanC1	FanC2
EWAH180MZPSD1	310199L FT-65Hz-AC	90 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	-
EWAH200MZPSD1	310199L FT-75Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	-
EWAH225MZPSD1	310199L FT-85Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAH275MZPSD1	310240L FT-55Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAH345MZPSD1	310240L FT-65Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAH400MZPSD1	310240L FT-75Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAH440MZPSD1	310240L FT-85Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	-
EWAH480MZPSD1	310240L FT-95Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	-
EWAH530MZPSD1	310199L FT-55Hz-AC	330 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	-
EWAH570MZPSD1	310199L FT-60Hz-AC	330 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	-
EWAH440MZPSD2	310199L FT-70Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	6
	310199L FT-80Hz-AC	kW				
EWAH500MZPSD2	310199L FT-80Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310199L FT-85Hz-AC	kW				
EWAH540MZPSD2	310199L FT-95Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310199L FT-95Hz-AC	kW				
EWAH625MZPSD2	310240L FT-55Hz-AC	200 Kw	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310240L FT-60Hz-AC	Kw				
EWAH675MZPSD2	310240L FT-60Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	8
	310240L FT-65Hz-AC	kW				
EWAH740MZPSD2	310240L FT-65Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	8
	310240L FT-70Hz-AC	kW				
EWAH780MZPSD2	310240L FT-70Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	8
	310240L FT-75Hz-AC	kW				
EWAH850MZPSD2	310240L FT-80Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	10
	310240L FT-80Hz-AC	kW				
EWAH940MZPSD2	310240L FT-85Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	10
	310240L FT-90Hz-AC	kW				
EWAHC10MZPSD2	F4ALVVR-50Hz-AC	330 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	10
	F4ALVVR-55Hz-AC	kW				
EWAHC11MZPSD2	F4ALVVR-55Hz-AC	330 Kw	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	12
	F4ALVVR-60Hz-AC	Kw				
EWAHC12MZPSD2	F4ALVVR-60Hz-AC	330 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	12	12
	F4ALVVR-65Hz-AC	kW				

Table T – Unit composition for EWAH-MZ-D Efficiency Class LS (Platinum Plus)

Daikin Model	Compressor	VFD	Fan Std	Opt.142C kit HA	FanC1	FanC2
EWAH170MZLSD1	310199L Full Spec - 60 Hz-DC	90 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	-
EWAH190MZLSD1	310199L Full Spec - 70 Hz-DC	90 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	-
EWAH230MZLSD1	310199L Full Spec - 80 Hz-DC	90 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	-
EWAH300MZLSD1	310240L Full Spec - 55Hz -DC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAH370MZLSD1	310240L Full Spec - 55Hz -DC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	-
EWAH415MZLSD1	310240L Full Spec - 55Hz -DC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	-
EWAH480MZLSD1	310240L Full Spec - 55Hz -DC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	-
EWAH530MZLSD1	F4ALVVR - 55 Hz -DC	330 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	10	-
EWAH410MZLSD2	310199L Full Spec - 70 Hz-DC	90 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	4	6
	310199L Full Spec - 70 Hz-DC					
EWAH480MZLSD2	310199L Full Spec - 75 Hz-DC	90 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310199L Full Spec - 80 Hz-DC					
EWAH540MZLSD2	310199L Full Spec - 85 Hz-DC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310199L Full Spec - 90 Hz-DC					
EWAH595MZLSD2	310240L Full Spec - 55Hz -DC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310240L Full Spec - 55Hz -DC					
EWAH670MZLSD2	310240L Full Spec - 60Hz -DC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	8
	310240L Full Spec - 60Hz -DC					
EWAH730MZLSD2	310240L Full Spec - 65Hz -DC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	8
	310240L Full Spec - 65Hz -DC					
EWAH780MZLSD2	310240L Full Spec - 70Hz -DC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	8
	310240L Full Spec - 70Hz -DC					
EWAH855MZLSD2	310240L Full Spec - 75Hz -DC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	10
	310240L Full Spec - 80Hz -DC					
EWAH960MZLSD2	310240L Full Spec - 85Hz -DC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	6
	310240L Full Spec - 85Hz -DC					
EWAHC10MZLSD2	F4ALVVR - 50 Hz -DC	330 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	8
	F4ALVVR - 50 Hz -DC					
EWAHH10MZLSD2	F4ALVVR - 55 Hz -DC	330 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	6	8
	F4ALVVR - 55 Hz -DC					
EWAHH11MZLSD2	F4ALVVR - 60 Hz -DC	330 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	8	8
	F4ALVVR - 60 Hz -DC					

9.2.6 EWFD TZ-D R134a

Table U – Unit composition for EWFD-TZ-D Efficiency Class BS (Blue)

Daikin Model	Compressor	VFD	Fan Std	Opt.142 kit HA	Fan FC Max Speed	FanC1	FanC2
EWFD275TZBSD1	310199L FT-70Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	4	-
EWFD320TZBSD1	310199L FT-80Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	-
EWFD345TZBSD1	310199L FT-90Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	-
EWFD400TZBSD1	310240S FT-70Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	-
EWFD470TZBSD1	310240L FT-65Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	-
EWFD525TZBSD1	310240L FT-70Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	8	-
EWFD580TZBSD1	310240L FT-80Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	8	-
EWFD625TZBSD1	310240L FT-90Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	8	-
EWFD510TZBSD2	310199L FT-60Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	4	4
	310199L FT-70Hz-AC						
EWFD545TZBSD2	310199L FT-65Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	4	4
	310199L FT-75Hz-AC						
EWFD570TZBSD2	310199L FT-70Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	4	4
	310199L FT-80Hz-AC						
EWFD630TZBSD2	310199L FT-80Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	4	6
	310199L FT-80Hz-AC						
EWFD670TZBSD2	310199L FT-85Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	4	6
	310199L FT-90Hz-AC						
EWFD755TZBSD2	310240S FT-60Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	6
	310240S FT-60Hz-AC						
EWFD830TZBSD2	310240S FT-65Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	6
	310240S FT-70Hz-AC						
EWFD915TZBSD2	310240L FT-60Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	6
	310240L FT-60Hz-AC						
EWFDC10TZBSD2	310240L FT-65Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	6
	310240L FT-70Hz-AC						
EWFDH10TZBSD2	310240L FT-70Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	8
	310240L FT-75Hz-AC						
EWFDH11TZBSD2	310240L FT-75Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	8	8
	310240L FT-80Hz-AC						
EWFDC12TZBSD2	310240L FT-80Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	8	10
	310240L FT-85Hz-AC						
EWFDC13TZBSD2	310240L FT-90Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	10	10
	310240L FT-90Hz-AC						
EWFDC14TZBSD2	310240L FT-95Hz-AC	330 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	10	10
	310240L FT-100Hz-AC						
EWFDC15TZBSD2	310240L FT-100Hz-AC	330 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	10	12
	310240L FT-110Hz-AC						
EWFDH16TZBSD2	F4ALVVR-60Hz-AC	330 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	10	12
	F4ALVVR-60Hz-AC						
EWFDH17TZBSD2	F4ALVVR-65Hz-AC	400 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	10	12
	F4ALVVR-65Hz-AC						
EWFDH18TZBSD2	F4ALVVR-70Hz-AC	400 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	12	12
	F4ALVVR-70Hz-AC						
EWFDH19TZBSD2	F4ALVVR-75Hz-AC	400 kW	DAE EC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	12	12
	F4ALVVR-75Hz-AC						

Table V – Unit composition for EWFD-TZ-D Efficiency Class SS (Silver)

Daikin Model	Compressor	VFD	Fan Std	Opt.142C kit HA	FC Max Speed	FanC1	FanC2
EWFD285TZSSD1	310199L FT-70Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	-
EWFD325TZSSD1	310199L FT-80Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	8	-
EWFD380TZSSD1	310199L FT-90Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	8	-
EWFD430TZSSD1	310240S FT-70Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	8	-
EWFD495TZSSD1	310240L FT-65Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	8	-
EWFD535TZSSD1	310240L FT-70Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	10	-
EWFD595TZSSD1	310240L FT-80Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	10	-
EWFD650TZSSD1	310240L FT-90Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	10	-
EWFD520TZSSD2	310199L FT-60Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	4	6
	310199L FT-70Hz-AC						
EWFD555TZSSD2	310199L FT-65Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	4	6
	310199L FT-75Hz-AC						
EWFD585TZSSD2	310199L FT-70Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	4	6
	310199L FT-80Hz-AC						
EWFD645TZSSD2	310199L FT-80Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	6
	310199L FT-80Hz-AC						
EWFD705TZSSD2	310199L FT-90Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	6
	310199L FT-90Hz-AC						
EWFD760TZSSD2	310240S FT-60Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	8
	310240S FT-60Hz-AC						
EWFD835TZSSD2	310240S FT-65Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	8
	310240S FT-70Hz-AC						
EWFD960TZSSD2	310240L FT-60Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	8
	310240L FT-65Hz-AC						
EWFDC10TZSSD2	310240L FT-65Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	8
	310240L FT-70Hz-AC						
EWFDH10TZSSD2	310240L FT-70Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	8
	310240L FT-75Hz-AC						
EWFDH11TZSSD2	310240L FT-75Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	8	8
	310240L FT-80Hz-AC						
EWFDH12TZSSD2	310240L FT-85Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	10	10
	310240L FT-85Hz-AC						
EWFDH13TZSSD2	310240L FT-90Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	10	12
	310240L FT-95Hz-AC						
EWFDH14TZSSD2	310240L FT-100Hz-AC	330 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	10	12
	310240L FT-100Hz-AC						
EWFDH15TZSSD2	F4ALVVR-55Hz-AC	330 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	10	12
	F4ALVVR-55Hz-AC						
EWFDH16TZSSD2	F4ALVVR-60Hz-AC	330 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	10	12
	F4ALVVR-60Hz-AC						
EWFDH17TZSSD2	F4ALVVR-65Hz-AC	400 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	12	12
	F4ALVVR-65Hz-AC						
EWFDH18TZSSD2	F4ALVVR-70Hz-AC	400 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	12	12
	F4ALVVR-70Hz-AC						
EWFDH19TZSSD2	F4ALVVR-75Hz-AC	400 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	12	12
	F4ALVVR-75Hz-AC						

Table W – Unit composition for EWFD-TZ-D Efficiency Class XS (Gold)

Daikin Model	Compressor	VFD	Fan Std	Opt.142C kit HA	FC Max Speed	FanC1	FanC2
EWFD295TZXSD1	310199L Full Spec-70 Hz AC	120 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	-
EWFD345TZXSD1	310199L Full Spec-80Hz-AC	120 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	-
EWFD380TZXSD1	310199L Full Spec-90Hz-AC	120 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	-
EWFD440TZXSD1	310240L Full Spec-55 Hz -AC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	-
EWFD515TZXSD1	310240L Full Spec 60 Hz -AC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	-
EWFD565TZXSD1	310240L Full Spec 70 Hz -AC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	-
EWFD635TZXSD1	310240L Full Spec 80 Hz	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	-
EWFD705TZXSD1	F4ALVVR 50 Hz -AC	330 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	-
EWFD760TZXSD1	F4ALVVR 55 Hz -AC	330 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	-
EWFD525TZXSD2	310199L Full Spec 60 Hz -AC	120 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	6
	310199L Full Spec 60 Hz -AC	120 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	6
EWFD565TZXSD2	310199L Full Spec 65 Hz -AC	120 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	6
	310199L Full Spec 65 Hz -AC	120 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	6
EWFD610TZXSD2	310199L Full Spec 70 Hz -AC	120 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	8
	310199L Full Spec 70 Hz -AC	120 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	8
EWFD670TZXSD2	310199L Full Spec 75 Hz -AC	120 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	8
	310199L Full Spec 80 Hz -AC	120 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	8
EWFD725TZXSD2	310199L Full Spec 80 Hz -AC	120 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	8
	310199L Full Spec 85 Hz -AC	120 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	8
EWFD805TZXSD2	310199L Full Spec 85 Hz -AC	120 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	8
	310199L Full Spec 90 Hz -AC	120 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	8
EWFD880TZXSD2	310240L Full Spec 55 Hz	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	8
	310240L Full Spec 55 Hz	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	8
EWFD950TZXSD2	310240L Full Spec 60 Hz -AC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	8
	310240L Full Spec 60 Hz -AC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	8
EWFD10TZXSD2	310240L Full Spec 60 Hz -AC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	10
	310240L Full Spec 65 Hz -AC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	10
EWFDH10TZXSD2	310240L Full Spec 65 Hz -AC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	10
	310240L Full Spec 70 Hz -AC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	10
EWFDH11TZXSD2	310240L Full Spec 70 Hz -AC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	10
	310240L Full Spec 70 Hz -AC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	10
EWFD12TZXSD2	310240L Full Spec 75 Hz -AC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	10
	310240L Full Spec 75 Hz -AC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	10
EWFDH12TZXSD2	310240L Full Spec 80 Hz -AC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	10
	310240L Full Spec 80 Hz AC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	10
EWFDH13TZXSD2	310240L Full Spec 85 Hz -AC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	12
	310240L Full Spec 85 Hz -AC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	12
EWFDH14TZXSD2	F4ALVVR-50Hz-AC	330 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	12
	F4ALVVR-50Hz-AC	330 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	12
EWFDH15TZXSD2	F4ALVVR-55Hz-AC	330 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	12
	F4ALVVR-55Hz-AC	330 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	12
EWFDH16TZXSD2	F4ALVVR-60Hz-AC	330 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	12
	F4ALVVR-60Hz-AC	330 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	12
EWFDH17TZXSD2	F4ALVVR-65Hz-AC	400 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	12
	F4ALVVR-65Hz-AC	400 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	12

Table X – Unit composition for EWFD-TZ-D Efficiency Class PS (Platinum)

Daikin Model	Compressor	VFD	Fan Std	Opt.142C kit HA	FC Max Speed	FanC1	FanC2
EWFD285TZPSD1	310199L Full Spec-65 Hz-DC	120 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	-
EWFD330TZPSD1	310199L Full Spec-75Hz-DC	120 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	-
EWFD370TZPSD1	310199L Full Spec-85Hz-DC	120 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	-
EWFD405TZPSD1	310240L Full Spec-50Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	-
EWFD450TZPSD1	310240L Full Spec 55Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	-
EWFD490TZPSD1	310240L Full Spec 60Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	-
EWFD530TZPSD2	310199L Full Spec 60 Hz-DC	120 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	8
	310199L Full Spec 60 Hz-DC	kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	8
EWFD575TZPSD2	310199L Full Spec 65 Hz-DC	120 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	8
	310199L Full Spec 65 Hz-DC	kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	8
EWFD615TZPSD2	310199L Full Spec 70 Hz-DC	120 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	8
	310199L Full Spec 70 Hz-DC	kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	8
EWFD675TZPSD2	310199L Full Spec 75 Hz-DC	120 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	8
	310199L Full Spec 80 Hz-DC	kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	8
EWFD735TZPSD2	310199L Full Spec 80 Hz-DC	120 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	8
	310199L Full Spec 85 Hz-DC	kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	8
EWFD810TZPSD2	310199L Full Spec 85 Hz-DC	120 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	10
	310199L Full Spec 90 Hz-DC	kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	10
EWFD890TZPSD2	310240L Full Spec 55 Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	10
	310240L Full Spec 55 Hz-DC	kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	10
EWFD960TZPSD2	310240L Full Spec 60 Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	10
	310240L Full Spec 60 Hz-DC	kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	10
EWFD10TZPSD2	310240L Full Spec 60 Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	10
	310240L Full Spec 65 Hz-DC	kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	10
EWFDH10TZPSD2	310240L Full Spec 65 Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	10
	310240L Full Spec 70 Hz-DC	kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	10
EWFDH11TZPSD2	310240L Full Spec 70 Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	12
	310240L Full Spec 70 Hz-DC	kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	12
EWFD12TZPSD2	310240L Full Spec 75 Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	12
	310240L Full Spec 75 Hz-DC	kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	12
EWFDH12TZPSD2	310240L Full Spec 80 Hz-DC	200 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	12
	310240L Full Spec 80 Hz DC	kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	12
EWFDH14TZPSD2	F4ALVVR-50Hz-DC	330 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	12
	F4ALVVR-50Hz-DC	kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	12
EWFDH15TZPSD2	F4ALVVR-55Hz-DC	330 kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	12
	F4ALVVR-55Hz-DC	kW	DAE EC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	12

9.2.1 EWFS TZ-D R513A

Table Y – Unit composition for EWFS-TZ-D Efficiency Class BS (Blue)

Daikin Model	Compressor	VFD	Fan Std	Fan FC Max Rpm	Opt.142 kit HA	FC Max Speed	FanC1	FanC2
EWFS275TZBSD1	310199L FT-70Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	4	-
EWFS320TZBSD1	310199L FT-80Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	-
EWFS345TZBSD1	310199L FT-90Hz-AC	120 kW	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	-
EWFS400TZBSD1	310240S FT-70Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	-
EWFS470TZBSD1	310240L FT-65Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	-
EWFS525TZBSD1	310240L FT-70Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	8	-
EWFS580TZBSD1	310240L FT-80Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	8	-
EWFS625TZBSD1	310240L FT-90Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	8	-
EWFS755TZBSD2	310240S FT-60Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	6
	310240S FT-60Hz-AC	kW						
EWFS830TZBSD2	310240S FT-65Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	6
	310240S FT-70Hz-AC	kW						
EWFS915TZBSD2	310240L FT-60Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	6
	310240L FT-60Hz-AC	kW						
EWFSC10TZBSD2	310240L FT-65Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	6
	310240L FT-70Hz-AC	kW						
EWFSH10TZBSD2	310240L FT-70Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	8
	310240L FT-75Hz-AC	kW						
EWFSH11TZBSD2	310240L FT-75Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	8	8
	310240L FT-80Hz-AC	kW						
EWFSC12TZBSD2	310240L FT-80Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	8	10
	310240L FT-85Hz-AC	kW						
EWFSC13TZBSD2	310240L FT-90Hz-AC	200 kW	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	10	10
	310240L FT-90Hz-AC	kW						
EWFSC14TZBSD2	310240L FT-95Hz-AC	330 kW	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	10	10
	310240L FT-100Hz-AC	kW						
EWFSC15TZBSD2	310240L FT-100Hz-AC	330 kW	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	10	12
	310240L FT-110Hz-AC	kW						
EWFSH16TZBSD2	F4ALVVR-60Hz-AC	330 kW	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	10	12
	F4ALVVR-60Hz-AC	kW						
EWFSH17TZBSD2	F4ALVVR-65Hz-AC	400 kW	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	10	12
	F4ALVVR-65Hz-AC	kW						
EWFSH18TZBSD2	F4ALVVR-70Hz-AC	400 kW	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	12	12
	F4ALVVR-70Hz-AC	kW						
EWFSH19TZBSD2	F4ALVVR-75Hz-AC	400 kW	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	12	12

Table Z – Unit composition for EWFS-TZ-D Efficiency Class SS (Silver)

Daikin Model	Compressor	VFD	Fan Std	Opt.142C kit HA	FC Max Speed	FanC1	FanC2
EWFS285TZSSD1	310199L FT-70Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	-
EWFS325TZSSD1	310199L FT-80Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	8	-
EWFS380TZSSD1	310199L FT-90Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	8	-
EWFS430TZSSD1	310240S FT-70Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	8	-
EWFS495TZSSD1	310240L FT-65Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	8	-
EWFS535TZSSD1	310240L FT-70Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	10	-
EWFS595TZSSD1	310240L FT-80Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	10	-
EWFS650TZSSD1	310240L FT-90Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	10	-
EWFS520TZSSD2	310199L FT-60Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	4	6
	310199L FT-70Hz-AC						
EWFS555TZSSD2	310199L FT-65Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	4	6
	310199L FT-75Hz-AC						
EWFS585TZSSD2	310199L FT-70Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	4	6
	310199L FT-80Hz-AC						
EWFS645TZSSD2	310199L FT-80Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	6
	310199L FT-80Hz-AC						
EWFS705TZSSD2	310199L FT-90Hz-AC	120 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	6
	310199L FT-90Hz-AC						
EWFS760TZSSD2	310240S FT-60Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	8
	310240S FT-60Hz-AC						
EWFS835TZSSD2	310240S FT-65Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	8
	310240S FT-70Hz-AC						
EWFS960TZSSD2	310240L FT-60Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	8
	310240L FT-65Hz-AC						
EWFS10TZSSD2	310240L FT-65Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	8
	310240L FT-70Hz-AC						
EWFS10TZSSD2	310240L FT-70Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	6	8
	310240L FT-70Hz-AC						
EWFS11TZSSD2	310240L FT-75Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	8	8
	310240L FT-80Hz-AC						
EWFS12TZSSD2	310240L FT-85Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	10	10
	310240L FT-85Hz-AC						
EWFS13TZSSD2	310240L FT-90Hz-AC	200 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	10	12
	310240L FT-95Hz-AC						
EWFS14TZSSD2	310240L FT-100Hz-AC	330 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	10	12
	310240L FT-100Hz-AC						
EWFS15TZSSD2	F4ALVVR-55Hz-AC	330 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	10	12
	F4ALVVR-55Hz-AC						
EWFS16TZSSD2	F4ALVVR-60Hz-AC	330 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	10	12
	F4ALVVR-60Hz-AC						
EWFS17TZSSD2	F4ALVVR-65Hz-AC	400 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	12	12
	F4ALVVR-65Hz-AC						
EWFS18TZSSD2	F4ALVVR-70Hz-AC	400 kW	DAE DC Ø930 mm 950 rpm (BRS)	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	12	12
	F4ALVVR-70Hz-AC						
EWFS19TZSSD2	F4ALVVR-75Hz-AC	400 kW	DAE DC Ø930 mm	DAE EC Ø930 mm 1100 rpm (BRS)	950 rpm	12	12

Table AA – Unit composition for EWFS-TZ-D Efficiency Class XS (Gold)

Daikin Model	Compressor	VFD	Fan Std	Opt.142C kit HA	FC Max Speed	FanC1	FanC2
EWFS295TZXSD1	310199L Full Spec-70 Hz AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	-
EWFS345TZXSD1	310199L Full Spec-80Hz-AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	-
EWFS380TZXSD1	310199L Full Spec-90Hz-AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	-
EWFS440TZXSD1	310240L Full Spec-55 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	-
EWFS515TZXSD1	310240L Full Spec 60 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	-
EWFS565TZXSD1	310240L Full Spec 70 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	-
EWFS635TZXSD1	310240L Full Spec 80 Hz	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	-
EWFS705TZXSD1	F4ALVVR 50 Hz -AC	330 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	-
EWFS760TZXSD1	F4ALVVR 55 Hz -AC	330 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	-
EWFS525TZXSD2	310199L Full Spec 60 Hz -AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	6
	310199L Full Spec 60 Hz -AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	6
EWFS565TZXSD2	310199L Full Spec 65 Hz -AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	6
	310199L Full Spec 65 Hz -AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	6
EWFS610TZXSD2	310199L Full Spec 70 Hz -AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	8
	310199L Full Spec 70 Hz -AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	8
EWFS670TZXSD2	310199L Full Spec 75 Hz -AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	8
	310199L Full Spec 80 Hz -AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	8
EWFS725TZXSD2	310199L Full Spec 80 Hz -AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	8
	310199L Full Spec 85 Hz -AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	8
EWFS805TZXSD2	310199L Full Spec 85 Hz -AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	8
	310199L Full Spec 90 Hz -AC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	8
EWFS880TZXSD2	310240L Full Spec 55 Hz	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	8
	310240L Full Spec 55 Hz	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	8
EWFS950TZXSD2	310240L Full Spec 60 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	8
	310240L Full Spec 60 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	8
EWFSC10TZXSD2	310240L Full Spec 60 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	10
	310240L Full Spec 65 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	10
EWFSH10TZXSD2	310240L Full Spec 65 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	10
	310240L Full Spec 70 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	10
EWFSH11TZXSD2	310240L Full Spec 70 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	10
	310240L Full Spec 70 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	10
EWFSC12TZXSD2	310240L Full Spec 75 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	10
	310240L Full Spec 75 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	10
EWFSH12TZXSD2	310240L Full Spec 80 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	10
	310240L Full Spec 80 Hz AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	10
EWFSH13TZXSD2	310240L Full Spec 85 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	12
	310240L Full Spec 85 Hz -AC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	12
EWFSH14TZXSD2	F4ALVVR-50Hz-AC	330 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	12
	F4ALVVR-50Hz-AC	330 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	12
EWFSH15TZXSD2	F4ALVVR-55Hz-AC	330 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	12
	F4ALVVR-55Hz-AC	330 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	12
EWFSH16TZXSD2	F4ALVVR-60Hz-AC	330 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	12
	F4ALVVR-60Hz-AC	330 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	12
EWFSH17TZXSD2	F4ALVVR-65Hz-AC	400 kW	DAE DC Ø930 mm	DAE EC Ø930 mm 950 rpm (BRS)		12	12

Table AB – Unit composition for EWFS-TZ-D Efficiency Class PS (Platinum)

Daikin Model	Compressor	VFD	Fan Std	Opt.142C kit HA	Fan FC Max rpm	FanC1	FanC2
EWFS285TZPSD1	310199L Full Spec-65 Hz DC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	-
EWFS330TZPSD1	310199L Full Spec-75Hz-DC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	-
EWFS370TZPSD1	310199L Full Spec-85Hz-DC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	-
EWFS405TZPSD1	310240L Full Spec-50Hz-DC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	-
EWFS450TZPSD1	310240L Full Spec 55Hz-DC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	-
EWFS490TZPSD1	310240L Full Spec 60Hz-DC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	-
EWFS530TZPSD2	310199L Full Spec 60 Hz-DC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	8
	310199L Full Spec 60 Hz-DC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	95	6	8
EWFS575TZPSD2	310199L Full Spec 65 Hz-DC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	8
	310199L Full Spec 65 Hz-DC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	6	8
EWFS615TZPSD2	310199L Full Spec 70 Hz-DC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	8
	310199L Full Spec 70 Hz-DC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	8
EWFS675TZPSD2	310199L Full Spec 75 Hz-DC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	8
	310199L Full Spec 80 Hz-DC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	8
EWFS735TZPSD2	310199L Full Spec 80 Hz-DC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	8
	310199L Full Spec 85 Hz-DC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	8
EWFS810TZPSD2	310199L Full Spec 85 Hz-DC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	10
	310199L Full Spec 90 Hz-DC	120 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	10
EWFS890TZPSD2	310240L Full Spec 55 Hz-DC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	10
	310240L Full Spec 55 Hz-DC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	10
EWFS960TZPSD2	310240L Full Spec 60 Hz-DC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	10
	310240L Full Spec 60 Hz-DC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	8	10
EWFS10TZPSD2	310240L Full Spec 60 Hz-DC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	10
	310240L Full Spec 65 Hz-DC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	10
EWFS10TZPSD2	310240L Full Spec 65 Hz-DC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	10
	310240L Full Spec 70 Hz-DC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	10
EWFS11TZPSD2	310240L Full Spec 70 Hz-DC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	12
	310240L Full Spec 70 Hz-DC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	12
EWFS12TZPSD2	310240L Full Spec 75 Hz-DC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	12
	310240L Full Spec 75 Hz-DC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	12
EWFS12TZPSD2	310240L Full Spec 80 Hz-DC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	12
	310240L Full Spec 80 Hz DC	200 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	10	12
EWFS14TZPSD2	F4ALVVR-50Hz-DC	330 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	12
	F4ALVVR-50Hz-DC	330 kW	DAE DC Ø930 mm 850 rpm (BRS)	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	12
EWFS15TZPSD2	F4ALVVR-55Hz-DC	330 kW	DAE DC Ø930 mm	DAE EC Ø930 mm 950 rpm (BRS)	950 rpm	12	12

9.3 Pump VFD Settings

9.3.1 Table AC - Pump Inverter Settings

DESCRIPTION	PARAMETER	SETTING	DEFAULT	Notes
Regional Settings	0-03	Default	[0] International	
Grid Type	0-06	[12] 380-440V/50Hz	[12] 380-440V/50Hz	Verify Input Voltage (V) and frequency (Hz) on R.M.
Motor Construction	1-10	Default	[0] Asynchron	
Motor Power	1-20	Default	Size Related	Verify Motor Nameplate Data
Motor Voltage	1-22	[400 V]	Size Related	Verify Motor Nameplate Data
Motor Frequency	1-23	[50 Hz]	Size Related	Verify Motor Nameplate Data
Motor Current	1-24	Default	Size Related	Verify Motor Nameplate Data
Motor Nominal Speed	1-25	See Motor Nameplate Data	Size Related	Verify Motor Nameplate Data
Flying Start	1-73	Default	[0] Disabled	
Minimum Reference	3-02	See Notes	[0]	Set 50 (Hz) to test the unit - With external reference speed (terminal 53 - 0-10V), it is factory set to 40 Hz
Maximum Reference	3-03	[50]	[50]	Set as 1-23 unless a different custom speed is required
Ramp 1 Ramp up Time	3-41	[10 s]	Size Related	time to reach 1-23 frequency
Ramp 1 Ramp Down Time	3-42	[10 s]	Size Related	time to stop from 1-23 frequency
Motor Speed Low Limit [Hz]	4-12	Default	[0 Hz]	
Motor Speed High Limit [Hz]	4-14	Default	[65 Hz]	
Max Output Frequency	4-19	Default	Size Related	
Function Relay 1	5-40	[9] Alarm	[0] No operation	
Function Relay 2	5-40	[6] Running / no warning	[1] Control ready	
Terminal 53 Low Voltage	6-10	Default	[0,07 V]	Set by Control Board 1 T8-X2 (Pump VFD Speed)wire 762
Terminal 53 High Voltage	6-11	Default	[10 V]	Set by Control Board 1 T8-X2 (Pump VFD Speed)wire 762
Terminal 53 Low Current	6-12	Default	[4 mA]	
Terminal 53 High Current	6-13	Default	[20 mA]	
Terminal 53 mode	6-19	Default	[1] Voltage mode	Current or voltage input mode [0] Current mode ; [1] Voltage mode

9.4 Pre-Commissioning Sheet

Table AD - Pre-Commissioning Sheet

Job Name _____

Unit Model No.(s) _____

Daikin Serial Unit No _____

General	Yes	No	N/A
Check for external damage	☐	☐	☐
Open all isolation and / or shut-off valves	☐	☐	☐
Verify that the unit is pressurized with refrigerant in all of its parts before making the connection to the hydraulic circuit.	☐	☐	☐
Check the oil level in the compressors	☐	☐	☐
Control wells, thermometers, manometers, controls, etc. installed	☐	☐	☐
Availability of at least 25% of the machine load for testing and control settings	☐	☐	☐
Refrigerated water	Yes	No	N/A
Piping completion	☐	☐	☐
Install the water filter (even when not supplied) at the inlet of the exchangers.	☐	☐	☐
Install a flow switch, calibrate and test (off-on-off switching according to the water flow) the flow	☐	☐	☐
Water circuit filling, air bleeding	☐	☐	☐
Pump installation, (rotation check), filter cleaning	☐	☐	☐
Operation of the controls (three-way valve, bypass valve, damper, etc.)	☐	☐	☐
Water circuit operation and flow balance	☐	☐	☐
Check that all water sensors are correctly fixed in the heat exchange	☐	☐	☐
Electrical circuit	Yes	No	N/A
Power cables connected to the electrical panel	☐	☐	☐
Starter and wired interlocking of the pump	☐	☐	☐
Electrical connection in compliance with local electrical regulations	☐	☐	☐
Install a main switch upstream of the unit, the main fuses and, where required by the national laws of the country of installation, a ground fault detector.	☐	☐	☐
Connect the pump contact(s) in series with the contact of the flow switch(es), so that the unit can operate only when the water pumps are running, and the water flow is sufficient.	☐	☐	☐
Provide the main voltage and check that it is within $\pm 10\%$ of the classification given on the nameplate.	☐	☐	☐



Under no condition should these units be started prior to the authorized start-up by Daikin Applied. Failure to follow this warning may result in serious equipment damage and will negate the warranty. All installation work has been completed as checked above; the system has been inspected and the unit is ready for start-up

Site Engineer

Name _____

Date _____

Signature _____

9.5 Commissioning Sheet

Table AE - Commissioning Sheet



Refer to servicesupport@daikinapplied.eu for the original form.

DAIKIN		CHILLER COMMISSIONING SHEET - EWAX-TZ-x			
End user :		Date:			
Site:		Model nr:			
Distributor:		Serial nr:			
A PRE-POWER ON CHECK LIST			D STARTUP CHECK LIST		
A1 Any shipping damage?			D1 Running Adjustments performed (Calibration)		
A2 Is the chiller adequately level mounted?			Unit		
A3 Are minimum space requirements met?					
A4 Anti vibration pads installed?			D1.1 Evap LWT Offset		
A5 Full Leak Test performed?			D1.2 Evap EWT Offset		
A6 Water piping system checked?			D1.3 OAT Offset		
A7 Water Flows checked?			Circuit 1		
A8 Glycol type / percentage			D1.4 Cond Prs Offset		
A9 Are electrical connections correct?			D1.5 Oil Pressure Offset		
A10 Compressor model C1			D1.6 Suction Temp Offset		
A11 Compressor serial C1			D1.7 Discharge Temp Offset		
A12 Compressor model C2			D1.8 Econ Prs Offset		
A13 Compressor serial C2			D1.9 Econ Temp Offset		
B PRE-STARTUP CHECK LIST			D1.10 Liquid Temp Offset		
B1 Evaporator Flow Switch Check			D1.11		
B2 Condenser Flow Switch Check			Circuit 2		
B3 Main Voltage L1-L2 [V]			D1.12 Evap Prs Offset		
B4 Main Voltage L2-L3 [V]			D1.13 Cond Prs Offset		
B5 Main Voltage L1-L3 [V]			D1.14 Oil Pressure Offset		
B6 Frequency [Hz]			D1.15 Suction Temp Offset		
B7 Control voltage Tx IN / OUT [V]			D1.16 Discharge Temp Offset		
B8 Control voltage AL1 [V]			D1.17 Econ Prs Offset		
B9 Oil Heaters were on before start up?			D1.18 Econ Temp Offset		
B10 Check Heaters [A] (measure current)			D1.19 Liquid Temp Offset		
C1 C2 VFD1 VFD2			D2 Safety tests performed?		
E DATA ACQUISITION			Operating Mode:		
B11 Unit Software Version			Percentage of Load (100% load is required)		
B12 Unit Water Temp Set Point Cool/Heat [°C]			Circuit		
B13 Unit settings checked?			C1 C2		
B14 Circuit settings checked?			E1 ELECTRICAL SYSTEM		
B15 Alarm Limits set			E1.1 Comp running Amps L1 [A]		
B16 Evap Water Frz Alarm Setpoint [°C]			E1.2 Comp running Amps L2 [A]		
B17 Dry Test performed?			E1.3 Comp running Amps L3 [A]		
B18 Check freecooling valve (Water Functionality)			E2 REFRIGERANT SYSTEM		
B19 Can be the chiller put into operation?			E2.1 Evaporator Pressure [kPa]		
			E2.2 Condenser Pressure [kPa]		
			E2.3 Suction Temperature [°C]		
			E2.4 Condenser Pressure [kPa]		
			E2.5 Suction Temperature [°C]		
			E2.6 Discharge Superheat [°C]		
			E2.7 Liquid Temperature [°C]		
			E2.8 Liquid Pressure [kPa]		
			E2.9 Subcooling [°C]		
			E2.10 Subcooling at dryer filter [°C]		
			E2.11 Evaporator Approach [°C]		
			E2.12 Condenser Approach [°C]		
			E2.13 Oil Pressure [kPa]		
			E2.14 Oil Pressure Differential [kPa]		
			E2.15 EXV Position [%]		
			E2.16 Fans [%]		
			E2.17 Economizer/Subcooler Status		
			E2.18 Economizer EXV Position [%]		
			E3 EVAPORATOR (WATER)		
			E3.1 Entering Water Temperature [°C]		
			E3.2 Leaving Water Temperature [°C]		
			E3.3 Evaporator Pressure Drop [kPa]		
			E3.4 Design Evaporator Pressure Drop [kPa]		
			E3.5 Flow Rate [l/s]		
			E3.6 Design Flow rate [l/s]		
			E3.7 Check Flow Switch status		
			E4 CONDENSER (AIR)		
			E4.1 Outside Air Temperature [°C]		
			E4.2 Outside Air Temperature [°C] - Free Cooling Mode		
			E5 Operating Mode:		
			Free Cooling		
			E5.1 Entering Water Temperature [°C]		
			E5.2 Leaving Water Temperature [°C]		
			E5.3 Condenser Fan [%]		
C PRE-STARTUP COMMENTS					
F POST-STARTUP COMMENTS					
G DEFECTIVE ITEMS FOUND AT COMMISSIONING?					
1. Parts subject to ECHC?					
2. Parts requested to be directly supplied by factory?					
Please mention under which conditions parts are directly requested to the factory (ie. Urgent matter, Extra Europe affiliate or others):					
H PRESENT DURING COMMISSIONING					
Name :			Company:		
Name :			Company:		
Name :			Company:		
Author:			Installer:		
Signature:			Signature:		
Title:			Title:		
As Commissioning is a technical process performed - before the Chiller is put into definitive operation - by an "Authorised Engineer". As Commissioning is done and is intended to achieve the following specific limited objectives: - verify and document (via checklist) that the Chiller is installed according to the manufacturers installation manual and operation manual. - configure the Chiller to a set of manufacturers defined parameters in order to secure the correct performance of the Chiller in the specific site related operating conditions. Therefore the Commissioning process does not take away from or reduce the responsibility of the System Designers and/or installers to provide a finished and fully functioning system.					

10.1 VFD Addressing procedure by controller



INFORMATION

This procedure should not be carried out during the commissioning.
Must only be carried out when replacing inverters.

10.1.1 Circuit 2 compressor inverter address configuration



CAUTION

In phase of commissioning this setting is not to be carried out.
The inverter address configuration is necessary only after a replacement of the inverter P.C.B. on Circuit 2.

1. Power the circuit 2 compressor inverter
2. Remove power from the circuit 1 compressor inverter
3. Wait 5 minutes
4. Enter technician password
5. Open the menu: View / Set Unit -> Compressor VFD Settings -> Comp VFD Address
6. Execute the writing command by setting Set Inv2 Addr = Execute and wait for it to automatically return to Set Inv2 Addr = Hold. During the execution of the write command, "Writing" will appear on the display. At the end of the command, the words "Failed" or "Pass" will be displayed depending on the outcome of the command. "Failed" identifies that the address has not been written, while the completely correct command is identified with the word "Pass".
7. Remove power from the circuit 2 compressor inverter
8. Wait 5 minutes
9. Power up both inverters and check that the addresses on the two compressors are correct. For verification, simply remove the suction pressure transducer and check that the alarm is associated with the corresponding circuit.

10.1.2 Reset compressor inverter address circuit 1



CAUTION

Warning! The following procedure should only be carried out if, by mistake, the circuit 1 compressor inverter has address 2.

1. Power the circuit 1 compressor inverter
2. Remove power from the circuit 2 compressor inverter
3. Wait 5 minutes
4. Enter Technician password
5. Open the menu: View / Set Unit -> Compressor VFD Setup -> Comp VFD Address
6. Execute the write command by setting Reset Default = Execute and wait for it to automatically go back to Reset Default = Hold. During the execution of the writing, "Writing" will appear on the display. At the end of the command, the words "Failed" or "Pass" will be displayed depending on the outcome of the command. "Failed" identifies that the address has not been written, while the completely correct of the command comes identified with the word "Pass".
7. Remove power from the circuit 1 compressor inverter
8. Wait 5 minutes
9. Power up both inverters and check that the addresses on the two compressors are

correct. For verification, simply remove the suction pressure transducer and check that the alarm is associated with the corresponding circuit.

10.1.3 Filter setting on the pressure transducer reading

In case of dual machine, this procedure can be carried out only after performing the configuration of the circuit 2 compressor address.

1. Power up both compressors
2. Enter Technician password in the controller
3. Open the menu: View / Set Unit -> Compressor VFD Setup -> Filter
4. Execute the writing command by setting Set Inv1 Fltr = Execute and wait for it to automatically return to Set Inv1 Fltr = Hold.
 1. As for writing the address, the word "Writing" will appear during the execution of the command and at the end the word "Failed" or "Pass" will appear to identify the outcome of the writing.
5. Execute the writing command by setting Set Inv2 Fltr = Execute and wait for it to automatically return to Set Inv2 Fltr = Hold.
 2. As for writing the address, the word "Writing" will appear during the execution of the command and at the end the word "Failed" or "Pass" will appear to identify the outcome of the writing.