

# Business Energy Upgrades Scheme

## Contractor Info Form – AHU

### Introduction

This form has been compiled to assist you as the Nominated Company/Contractor to ensure you are aware, have the ability and agree to comply with the minimum requirements of the Business Energy Upgrades Scheme for the above measure.

### Minimum requirements

The minimum requirements of the scheme are also outlined. Ensure you are satisfied you and your associated installer can commit to all requirements prior to accepting your nomination. Failure to achieve any of these requirements will cause a cancellation of your clients grant offer.

### Eligible existing system

#### Air Handling Unit (AHU)

Separate Supply and Extract Units (No existing heat recovery)

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#### Fan Replacement

Supply & Extract System using belt driven centrifugal fans

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#### Run Around Coils

Separate Supply and Extract Units (No existing heat recovery)

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### Installer requirements

#### Min. Qualifications

Certified Plumber with min. FETAC Level 6

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RECI Registered Electrician

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## Technical requirements

### AHU

All Fans ErP 2018 compliant

All Fans in line with EcoDesign Regulations Ventilation Fans (327/2011)

All fans 'N' Grade under FMEG (Fan and Motor Efficiency Grade) - Regulation 327/2011

Eurovent certified

AHUs with weather protection suitable for outdoor installation -as required

Only EC fans with integral VSD to be provided

AHU to be commissioned by manufacturer or certified agent

All units shall be designed to meet all relevant requirements of TGD Part L 2022

AHUs fresh air prefilter G4, bag filter F7, extract air bag filter F7, magnahelic pressure gauge on each group of filters

Minimum plate heat and thermal wheel recovery efficiency 73% (in line with EcoDesign 2018 requirement)

CE certified

Plug fan type, motor efficiency IE3, rubber AVMs included

Filter bypass leakage shall be as per EN1886

Integral, Modbus connection, wifi or Bluetooth enabled controls installed to allow monitoring of run time, energy use and fault recording as a minimum. Basis of recording can be existing BMS, local network or web-based system. Remote monitoring capability to be provided.

Provide access sections as required to ensure proper access for maintenance to all components

Provide access sections as recommended by the manufacturer for the provision of quality access

Provide access, after coils, after thermal wheels, to all fans where required to take condition readings

Thermal wheels to be complete with variable speed drives and fault alarms to the BMS

Plate Heat Exchangers shall be fitted with face and bypass dampers on the return air side to allow modulating control of heat recovery

## Fan Replacement

All Fans in line with EcoDesign Regulations Ventilation Fans (327/2011)

All fans 'N' Grade under FMEG (Fan and Motor Efficiency Grade) - Regulation 327/2011 (Min Eff 73.5%)

Selection criteria for multiple fans in a unit should be in line with a EURO VENT approved selection tool

Integral, Modbus connection, wifi or Bluetooth enabled controls installed to allow monitoring of run time, energy use and fault recording as a minimum. Basis of recording can be existing BMS, local network or web-based system. Remote monitoring capability to be provided.

All selected motors should be minimum of IE5.

EC fans with integral VSD and associated controls to be used

## Run Around Coils

Minimum run around heat recovery efficiency 68% (part of ERP 2018 requirement)

CE certified

Coils to be sized to keep the airspeed below 2m/s.

All run around coil selections external to existing unit to include a droplet and drip tray on the extract coil.

All duct mounted coils to have dedicated housing sections including removable filter section and include a galvanised steel base.

Dedicated, Modbus connection, wifi or Bluetooth enabled controls installed to allow monitoring of run time, energy use and fault recording as a minimum. Basis of recording can be existing BMS, local network or web-based system. Remote monitoring capability to be provided.

Required temperature stats and VSD pump to be provided to maximise the efficient operation of unit.

Prior to installation ensure the existing units' fans can achieve the increased static pressure caused by the RAC pressure drops.

## Payment documentation

**All completion documentation must be uploaded by your client for review and sign off prior to release of grant payment.**

**Failure by you to provide a full and compliant set of all documentation to them in a timely could cause a cancellation of their grant offer.**

### Documentation

Testing, Commissioning Cert (Manufacturer or Agent)

RECI Cert

Equipment Data Sheets Incl. Certification

Declaration of Works

Invoice of Works

Photographs of the Installation

De-Minimus Declaration (where applicable)

GBER requirements verification (where applicable)

### Photographs

Installation Location (Before) Incl. Existing Kit

Installation Location (After) Incl. New Kit

New Equipment - Labelling

Controls Panel

Pipework Connections

Controls Point Wiring

Power Point Wiring

## Company & installer registration

**We do not require an applicant to select a company from a register. This allows applicants to use their preferred company to complete the works and allows more of the supply chain to participate in the scheme.**

**However, in order to monitor quality within the supply chain for the scheme we do require that all companies and their associated installers carry out a registration process the first time they are nominated under the scheme. This is a simple process and you do not have to be registered to commence the works but rather before your client makes an application for payment.**

**Please note as part of the registration you can decide whether you wish to be on the published register of companies and installers or not. If you opt out of this list, you will remain in the application portal in case you want certain clients to select you on future applications. If you decide to remain visible on the register you will be exposed to a strong line of prospects through the scheme.**

**It is important that prior to commencing the works you and your associated installer download the registration forms for your respective roles and satisfy yourselves you can comply with all Terms and Conditions outlined therein.**

**Please follow the link below to complete the simple Business Energy Upgrades registration process, if this is your first involvement with the scheme. You can register for a number of measures through in a single application once you possess all the relevant requirements:**

<https://www.seai.ie/register-with-seai/>