



Client: John Dixon & Associates Ltd
Location: The Shamrock Inn, 17 Bengal St, Ancoats, Manchester M4 6AQ
Contact: Jim Asbridge
Tel: 0161 682 0964 or 07768 536 042
Email: jasbridge@johndixon.co.uk

Equipment: J&E Hall Cellar Cooler Condensing Unit

Condition: "New"

Date: 4th February 2025

Description: Please see the following details of the proposed new Condensing unit for the cellar cooler. Operating on R448A/R449A Refrigerant Gas

Outdoor Condensing Unit:

1 x J&E Hall JEHS-0250-B2-M-3 3phase Condensing Unit - Roof Mounted



Mounted on 2 x Anti-Vibration Feet



**Product details:**

J & E Hall V3 Fusion and Fusion Scroll condensing unit. Adopts fix speed compressor in a flexible plug and play package, for medium and low temperature refrigeration application.

Standard features for all medium and low temperature model:

- ✓ Copeland ZB19KQE-TFD Scroll Compressor
- ✓ Microchannel condenser coil
- ✓ Liquid receiver with plug
- ✓ Fitted liquid line drier and sight glass
- ✓ Dual LP/HP Pressure control
- ✓ Flexible pressure hoses
- ✓ External service valves
- ✓ IP rated enclosure
- ✓ Combined mains isolator with short circuit / overload protection
- ✓ Fuse protection to fan and control circuit
- ✓ Fan Speed controller
- ✓ Crankcase heater on compressor
- ✓ Alarm output available from high pressure switch
- ✓ Acoustic insulation to compressor compartment
- ✓ Blue Fin anti-corrosion coated condenser coil.

Accessories:

1 x Condensate Tank Pump

**Services:**

ACR Copper Pipework in 5/8" Gas + 3/8" Liquid

Armaflex Class O Insulation 5/8" x 1/2" Thick

Electrical fixtures and NYY 3-phase cabling

CONDENSING UNIT SPECIFICATION SHEET

Condensing Unit Details

Model	JEHS-0250-B2-M-3
Application	Medium Temperature

Electrical Supply

400V / 3Ph / 50Hz

Weights & Dimensions

Width	1101 mm
Depth	444 mm
Height	662 mm
Mounting Dims.	703 mm (W) x 408 mm (D)
Weight (Dry)	72 kgs

Compressor Data

Type	ZB19KQE-TFD
Swept Volume	6.80 m ³ /h
Oil Charge	1.36 litres
Nom. Current (A)	4.2
MCC (A)	7.0
LRC (A)	32.0

Fan Motors

No.	1
FLC (A)	0.6

Condenser Coil

Type	Microchannel
Volume	0.51 litres

Liquid Receiver

Volume	4.5 litres
--------	------------

Airflow

Volume	2700 m ³ /h
--------	------------------------

Applicable Refrigerants

R134a/R404A/R407A/R407F/R448A/R449A

Unit Connections

Liquid	3/8"
Suction	3/4"

Sound Pressure Level @ 10m (-10°C/+32°C)

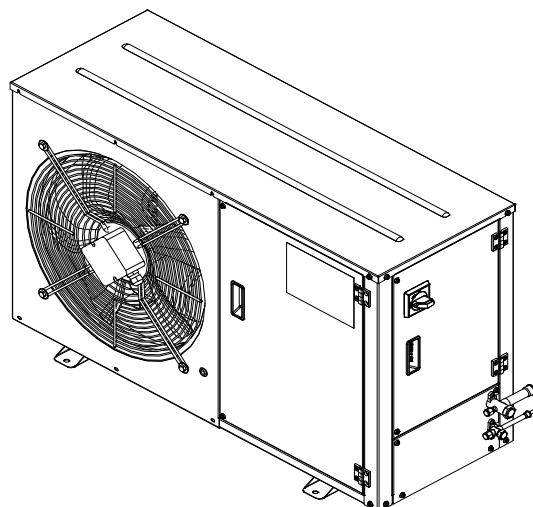
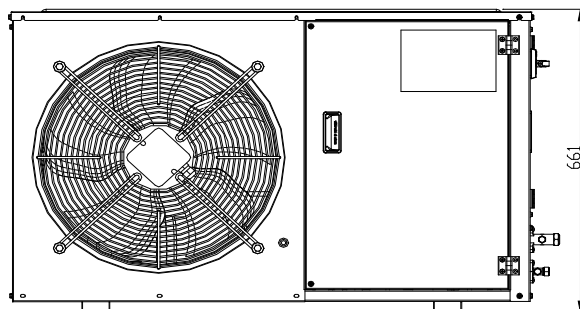
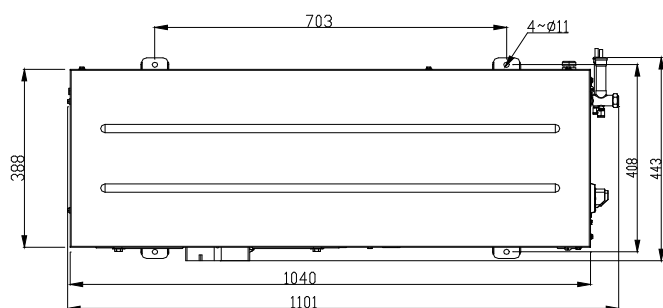
34 dB(A)

Performance Data at -10°C/+32°C Conditions

	Capacity (W) 10K SH	Capacity (W) 20°C RGT
R134a	2480	n/a
R404A	4210	4500
R407A	3940	4050
R407F	3850	3940
R448A	3700	3820
R449A	3700	3820

1/1 Octave Sound Pressure Levels @ 1 meter from the unit

Frequency							
125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	A (dBA)
54.1	59.4	50.2	45.3	41.8	33.9	31.5	53.8



Product Information based on the requirements of Commission Regulation EU 2015/1095

Model : JEHS-0250-B2-M-3

Refrigerant fluid:		R404A	R407A	R407F	R448A	R449A	
Item	Symbol	Value					Unit
Evaporating temperature*	t	-10					°C
Parameters at full load and ambient temperature 32 °C							
Rated cooling capacity	P_A	4.50	4.05	3.94	3.82	3.82	kW
Rated power input	D_A	2.04	2.04	2.16	1.98	1.98	kW
Rated COP	COP_A	2.21	1.99	1.83	1.93	1.93	
Parameters at full load and ambient temperature 25 °C							
Cooling capacity	P_2	4.77	4.31	4.31	4.08	4.08	kW
Power input	D_2	1.87	1.83	1.89	1.76	1.76	kW
COP	COP_2	2.55	2.36	2.29	2.32	2.32	
Parameters at full load and ambient temperature 43 °C							
Cooling capacity	P_3	3.76	N/A	N/A	3.35	3.35	kW
Power input	D_3	2.52	N/A	N/A	2.47	2.47	kW
COP	COP_3	1.50	N/A	N/A	1.36	1.36	
Other items							
Capacity control	Fixed						
Coefficient of degradation for fixed and staged capacity units*	Cd	0.25					
Contact details	Daikin Refrigeration Malaysia Sdn. Bhd. Lot 10, Jalan Perusahaan 8, Kawasan Perusahaan Pekan Banting, 42700 Banting, Selangor Darul Ehsan.						

Note: Published data based on condition - Return Gas Temperature 20° C



6SC0250EM-FBBA-55