

COMMERCIAL  
CONDENSING  
UNITS



# Commercial Condensing Units

FUSION & FUSION SCROLL PRODUCT RANGE 2021



**FSW**

**J&E Hall**  
International

# Commercial Condensing Units



J & E Hall provides a comprehensive range of Fusion reciprocating and Fusion Scroll condensing units for commercial refrigeration sectors.

Energy efficiency is key to our product design and we manufacture fully factory built units that are energy efficient, quiet and easy to install.

## Benefits



▶ Energy efficient



▶ Low noise



▶ Easy to install and maintain



▶ Reliable



▶ Robust



▶ Multi refrigerant options

## Applications



Convenience stores

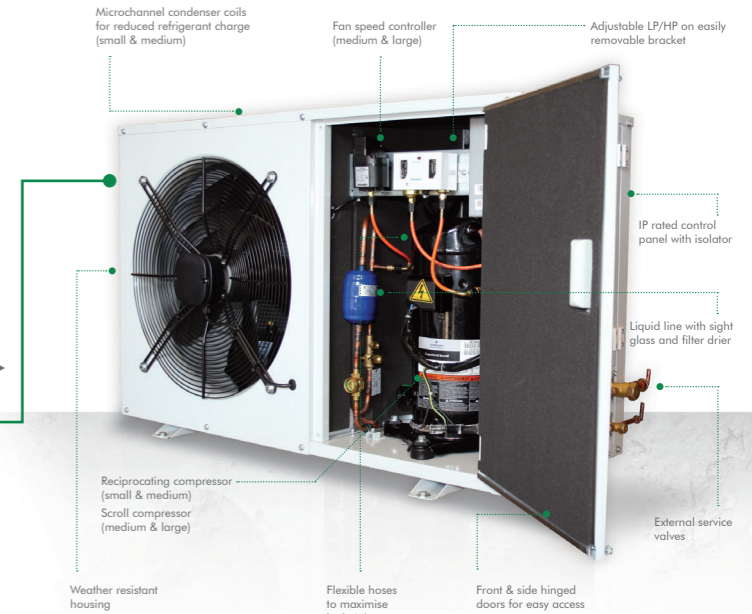


Petrol forecourts



Cold stores

# Commercial Condensing Units



## End User Benefits

- ▶ Energy efficient features reduce energy bills
- ▶ Quiet units blend into the local environment
- ▶ Quality components for reliability and longer life

## Installer Benefits

- ▶ Simple access for service and maintenance
- ▶ Factory fitted components for quick and easy installation
- ▶ Microchannel condenser coil is easy to clean and smaller refrigerant charge

# Back up and support



1

## Distributor network

Multiple locations throughout the UK

2

## Research & development

Continual product development to meet changing needs



3

## Stock

Held locally throughout distributor network with J & E Hall central stock holding back up



4

## Technical

Specialist knowledge, dedicated product manager, up-to-date manuals and spare part lists



5

## Warranty

Standard warranty and Labour Assist scheme. In the unlikely event of a parts failure, Labour Assist provides installers with a contribution towards labour costs incurred replacing the part. To register go to [www.jehall.co.uk/commercialhub](http://www.jehall.co.uk/commercialhub)



6

## Part of Daikin Group

Group backup and support



7

## Ecodesign compliant

Legal compliance



# Unit Specification

SMALL, MEDIUM, LARGE & TWIN FAN



Casing	Part No.	Unit Model	Compressor Model	Phase	Electrical Data (A)			SPL @ 10m dB(A)	Unit Connections		D	Dimensions (mm) (W x D x H)	Mounting Dimensions (mm) (W x D)	Medium temperature
					NC	MCC	LRC		Liquid	Suction				
Small	N04120079	JEHR-0050-B1-M-1	AE 4460Z-FZ1C	1	3.6	5.9	19.4	28	1/4	3/8	49	876 x 430 x 606	545 x 400	
	N04120080	JEHR-0067-B1-M-1	CAJ 9480Z	1	3.3	6.7	24.1	28	3/8	1/2	56			
	N04120081	JEHR-0100-B1-M-1	CAJ 9510Z	1	4.1	8.4	29.5	28	3/8	1/2	57			
	N04120082	JEHR-0113-B1-M-1	CAJ 9513Z	1	5.1	11.3	33.5	28	3/8	1/2	58			
Medium	N04120083	JEHR-0140-B2-M-1	CAJ 4517Z	1	5.9	12.7	38.5	32	3/8	1/2	67	1101 x 444 x 662	703 x 408	
	N04120084	JEHR-0140-B2-M-3	TAJ 4517Z	3	2.9	4.0	18.0	32	3/8	1/2	67			
	N04120085	JEHR-0150-B2-M-1	MTZ18-5VM	1	7.1	10.0	40.0	37	3/8	5/8	68			
	N04120086	JEHR-0150-B2-M-3	MTZ18-4VM	3	3.2	5.0	20.0	37	3/8	5/8	68			
	N04120087	JEHS-0200-B2-M-1	ZB15KQE-PFJ	1	7.9	18.5	58.0	33	3/8	3/4	70			
	N04120088	JEHS-0200-B2-M-3	ZB15KQE-TFD	3	3.5	7.0	26.0	33	3/8	3/4	70			
	N04120089	JEHS-0250-B2-M-1	ZB19KQE-PFJ	1	9.9	20.5	61.0	34	3/8	3/4	72			
	N04120090	JEHS-0250-B2-M-3	ZB19KQE-TFD	3	4.8	7.0	32.0	34	3/8	3/4	72			
	N04120091	JEHS-0300-B2-M-1	ZB21KQE-PFJ	1	12.8	21.5	82.0	36	3/8	3/4	74			
	N04120092	JEHS-0300-B2-M-3	ZB21KQE-TFD	3	5.0	10.3	40.0	36	3/8	3/4	74			
Large	N04120093	JEHS-0350-B2-M-1	ZB26KQE-PFJ	1	15.4	25.0	97.0	39	3/8	3/4	74	1353 x 575 x 872	945 x 500	
	N04120094	JEHS-0350-B2-M-3	ZB26KQE-TFD	3	6.4	9.0	46.0	39	3/8	3/4	74			
	N04120099	JEHS-0350-B3-M-1	ZB26KQE-PFJ	1	14.8	25.0	97.0	37	1/2	3/4	112			
	N04120100	JEHS-0350-B3-M-3	ZB26KQE-TFD	3	6.8	9.0	46.0	37	1/2	3/4	112			
	N04120101	JEHS-0400-B3-M-1	ZB29KQE-PFJ	1	17.0	28.0	114.0	37	1/2	7/8	119			
	N04120102	JEHS-0400-B3-M-3	ZB29KQE-TFD	3	8.2	11.0	50.0	37	1/2	7/8	119			
	N04120103	JEHS-0500-B3-M-3	ZB38KQE-TFD	3	9.1	13.5	65.5	38	1/2	7/8	123			
	N04120104	JEHS-0600-B3-M-3	ZB45KQE-TFD	3	9.6	14.2	74.0	40	1/2	1 1/8	125			
Twin	N04120105	JEHS-0680-B3-M-3	ZB48KQE-TFD	3	12.3	19.1	101.0	40	1/2	1 1/8	126	1348 x 612 x 1727	940 x 560	
	N04120106	JEHS-0800-B4-M-3	ZB57KQE-TFD	3	11.4	21.3	102.0	43	3/4	1 1/8	204			
	N04120107	JEHS-1000-B4-M-3	ZB76KQE-TFD	3	16.2	28.0	118.0	43	3/4	1 3/8	226			
	N04120137	JEHS-1300-B4-M-3	ZB95KQE-TFD	3	22.0	34.0	140.0	46	3/4	1 3/8	238			
Sp	N04120138	JEHS-1500-B6-M-3	ZB114KQE-TFD	3	27.4	38.0	174.0	48	3/4	1 3/8	332	1735 x 854 x 1727	1240 x 808	

Casing	Part No.	Unit Model	Compressor Model	Phase	Electrical Data (A)			SPL @ 10m dB(A)	Unit Connections		Dry Weight (kgs)	Dimensions (mm) (W x D x H)	Mounting Dimensions (mm) (W x D)	Low temperature
					NC	MCC	LRC		Liquid	Suction				
Small	N04120135	JEHR-0115-B1-L-1	CAJ2446Z	1	3.0	8.2	30.0	27	3/8	1/2	59	876 x 430 x 606	545 x 400	
	N04120136	JEHR-0135-B1-L-1	CAJ2464Z	1	4.8	10.0	40.0	27	3/8	1/2	61			
Medium	N04120108	JEHR-0175-B2-L-1	NTZ048-5VM	1	5.1	11.0	37.0	37	3/8	5/8	73	1101 x 444 x 662	703 x 408	
	N04120109	JEHR-0175-B2-L-3	NTZ048-4VM	3	2.7	4.8	16.0	37	3/8	5/8	72			
	N04120110	JEHR-0225-B2-L-1	NTZ068-5VM	1	9.8	17.0	53.0	40	3/8	5/8	75			
	N04120111	JEHR-0225-B2-L-3	NTZ068-4VM	3	4.1	8.4	25.0	40	3/8	5/8	74			
	N04120113	JEHS-0300-B2-L-3	ZF09KQE-TFD	3	4.4	6.5	40.0	33	3/8	3/4	78			
	N04120114	JEHS-0400-B3-L-3	ZF13KQE-TFD	3	5.8	10.0	51.5	37	1/2	7/8	132			
Large	N04120115	JEHS-0500-B3-L-3	ZF15KQE-TFD	3	7.6	12.0	64.0	39	1/2	7/8	132	1353 x 575 x 872	945 x 500	
	N04120116	JEHS-0600-B3-L-3	ZF18KQE-TFD	3	8.5	12.5	74.0	41	1/2	7/8	133			
	N04120117	JEHS-0750-B4-L-3	ZF25KQE-TFD	3	8.1	16.6	102.0	41	1/2	1 1/8	203			
Twin	N04120118	JEHS-0950-B4-L-3-EVI	ZF18KQE-TFD-EVI	3	8.5	13.0	74.0	37	1/2	7/8	200	1348 x 612 x 1727	940 x 560	
	N04120133	JEHS-1150-B4-L-3-EVI	ZFI36KQE-TFD-EVI	3	10.7	20.5	102.0	42	1/2	1 1/8	211			

NC = Nominal Current at -10°Cte/+32°Cta MT and -35°Cte/+32°Cta LT conditions with R448A refrigerant. MCC = Maximum Continuous Current. LRC = Locked Rotor Current. Sound Pressure Level (SPL) measured in an anechoic room at -10°Cte/+32°Cta MT and -25°Cte/+32°Cta LT conditions. Alternative conditions may produce different results.

# R134a Performance Data

MEDIUM, LARGE & TWIN FAN



# R448A Performance Data

SMALL, MEDIUM, LARGE & TWIN FAN



Casing	Part No.	Unit Model	R134a Cooling Capacity (Watts) @ Te							Ecodesign Conditions <sup>⊙</sup>			Medium temperature
			-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	COP	SEPR	Watts	
			Small	N04120079	JEHR-0050-B1-M-1	-	-	-	-	-	-	-	
	N04120080	JEHR-0067-B1-M-1	-	-	-	-	-	-	-	-	-	-	-
	N04120081	JEHR-0100-B1-M-1	-	-	-	-	-	-	-	-	-	-	-
	N04120082	JEHR-0113-B1-M-1	-	-	-	-	-	-	-	-	-	-	-
	N04120083	JEHR-0140-B2-M-1	-	-	-	-	-	-	-	-	-	-	-
	N04120084	JEHR-0140-B2-M-3	-	-	-	-	-	-	-	-	-	-	-
	N04120085	JEHR-0150-B2-M-1	-	1265	1777	2268	2905	3623	4423	1.61	-	1299	-
	N04120086	JEHR-0150-B2-M-3	-	1320	1769	2266	2910	3634	4776	1.77	-	1368	-
	N04120087	JEHS-0200-B2-M-1	1610	2050	2550	3120	3770	4530	5360	1.92	-	2130	-
	N04120088	JEHS-0200-B2-M-3	1730	2170	2700	3310	4020	4850	5770	2.19	-	2240	-
	N04120089	JEHS-0250-B2-M-1	2010	2590	3230	3980	4870	5930	7140	(2.14)	-	-	-
	N04120090	JEHS-0250-B2-M-3	1980	2480	3070	3770	4570	5510	6550	(2.13)	-	-	-
	N04120091	JEHS-0300-B2-M-1	2410	3090	3830	4690	5690	6890	8240	(2.13)	-	-	-
	N04120092	JEHS-0300-B2-M-3	2460	3060	3790	4620	5600	6740	7990	(2.10)	-	-	-
	N04120093	JEHS-0350-B2-M-1	2700	3410	4250	5240	6410	7800	9330	(1.86)	-	-	-
	N04120094	JEHS-0350-B2-M-3	2800	3480	4300	5240	6320	7610	9010	(2.08)	-	-	-
	N04120099	JEHS-0350-B3-M-1	2840	3610	4520	5600	6850	8290	9920	2.13	-	3730	-
	N04120100	JEHS-0350-B3-M-3	2940	3690	4570	5600	6790	8150	9680	2.36	-	3810	-
	N04120101	JEHS-0400-B3-M-1	3850	4900	5950	7170	8740	10800	13600	(2.28)	-	5050	-
	N04120102	JEHS-0400-B3-M-3	3400	4240	5220	6360	7690	9230	11000	2.36	-	4370	-
	N04120103	JEHS-0500-B3-M-3	4160	5240	6460	7870	9490	11350	13450	-	(2.69)	-	-
	N04120104	JEHS-0600-B3-M-3	4930	6160	7610	9300	11250	13350	15700	-	(2.63)	-	-
	N04120105	JEHS-0680-B3-M-3	5570	6890	8400	10150	12100	14400	16850	-	(2.57)	-	-
	N04120106	JEHS-0800-B4-M-3	6340	7950	9850	12050	14650	17550	20800	-	3.10	8210	-
	N04120107	JEHS-1000-B4-M-3	8360	10400	12750	15500	18700	22200	26100	-	3.37	10750	-
	N04120137	JEHS-1300-B4-M-3	10474	13043	15952	19241	22951	27122	31795	-	3.09	13519	-
Sp	N04120138	JEHS-1500-B6-M-3	12251	15573	19386	23734	28665	34224	-	-	2.96	16134	-

Rating Condition: Suction Gas Superheat 10K / Subcooling 0K / 32°C Ambient  
 ⊙ Ecodesign conditions: -10°Cte/+32°Cta MT with RGT 20°C & 0K SC  
 COP & SEPR data in brackets shown at 10K SH condition where RGT 20°C data unavailable  
 Capacity data presented in accordance with BS EN 13215:2016

Casing	Part No.	Unit Model	R448A Cooling Capacity (Watts) @ Te							Ecodesign Conditions <sup>⊙</sup>			Medium temperature
			-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	COP	SEPR	Watts	
			Small	N04120079	JEHR-0050-B1-M-1	496	643	817	1023	1267	1558	1902	
	N04120080	JEHR-0067-B1-M-1	611	811	1045	1322	1652	2045	2514	1.64	-	1120	-
	N04120081	JEHR-0100-B1-M-1	740	977	1252	1575	1958	2448	2959	1.64	-	1345	-
	N04120082	JEHR-0113-B1-M-1	859	1169	1523	1926	2442	3000	3665	1.71	-	1639	-
	N04120083	JEHR-0140-B2-M-1	1192	1571	2016	2540	3158	3942	4889	2.09	-	2149	-
	N04120084	JEHR-0140-B2-M-3	1156	1556	2020	2560	3194	3936	4808	2.00	-	2152	-
	N04120085	JEHR-0150-B2-M-1	1230	1712	2273	2922	3669	4526	5506	1.97	-	2313	-
	N04120086	JEHR-0150-B2-M-3	1189	1629	2138	2723	3393	4161	5037	1.95	-	2175	-
	N04120087	JEHS-0200-B2-M-1	2080	2620	3240	3940	4740	5670	6740	2.02	-	3330	-
	N04120088	JEHS-0200-B2-M-3	2080	2620	3240	3940	4740	5670	6740	2.02	-	3330	-
	N04120089	JEHS-0250-B2-M-1	2440	3030	3700	4470	5360	6380	7560	1.93	-	3820	-
	N04120090	JEHS-0250-B2-M-3	2440	3030	3700	4470	5360	6380	7560	1.93	-	3820	-
	N04120091	JEHS-0300-B2-M-1	3060	3770	4570	5470	6510	7710	9120	1.85	-	4730	-
	N04120092	JEHS-0300-B2-M-3	3060	3770	4570	5470	6510	7710	9120	1.85	-	4730	-
	N04120093	JEHS-0350-B2-M-1	3530	4340	5270	6320	7530	8940	10600	-	2.72	5460	-
	N04120094	JEHS-0350-B2-M-3	3530	4340	5270	6320	7530	8940	10600	-	2.72	5460	-
	N04120099	JEHS-0350-B3-M-1	3630	4550	5600	6770	8130	9690	11500	-	3.02	5760	-
	N04120100	JEHS-0350-B3-M-3	3630	4550	5600	6770	8130	9690	11500	-	3.02	5760	-
	N04120101	JEHS-0400-B3-M-1	4100	5070	6170	7410	8840	10500	12400	-	3.13	6370	-
	N04120102	JEHS-0400-B3-M-3	4100	5070	6170	7410	8840	10500	12400	-	3.13	6370	-
	N04120103	JEHS-0500-B3-M-3	4830	6190	7600	9120	10850	12900	15300	-	2.97	7880	-
	N04120104	JEHS-0600-B3-M-3	5790	7420	9130	10950	13000	15400	18200	-	3.22	9450	-
	N04120105	JEHS-0680-B3-M-3	6430	8240	10150	12100	14350	16950	20000	-	2.96	10500	-
	N04120106	JEHS-0800-B4-M-3	7250	9670	12300	15200	18450	22100	-	-	2.88	12650	-
	N04120107	JEHS-1000-B4-M-3	-	12150	15250	18800	22800	27300	-	-	2.83	15850	-
	N04120137	JEHS-1300-B4-M-3	11693	15327	19164	23283	27761	32674	38100	-	2.97	19909	-
Sp	N04120138	JEHS-1500-B6-M-3	14757	19205	24093	29487	35458	42072	49399	-	2.94	24876	-

Casing	Part No.	Unit Model	R448A Cooling Capacity (Watts) @ Te							Ecodesign Conditions <sup>⊙</sup>			Low temperature
			-45°C	-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	COP	SEPR	Watts	
			Small	N04120135	JEHR-0115-B1-L-1	-	-	-	-	-	-	-	
	N04120136	JEHR-0135-B1-L-1	-	-	-	-	-	-	-	-	-	-	-
	N04120108	JEHR-0175-B2-L-1	-	-	-	-	-	-	-	-	-	-	-
	N04120109	JEHR-0175-B2-L-3	-	-	-	-	-	-	-	-	-	-	-
	N04120110	JEHR-0225-B2-L-1	-	-	-	-	-	-	-	-	-	-	-
	N04120111	JEHR-0225-B2-L-3	-	-	-	-	-	-	-	-	-	-	-
	N04120113	JEHS-0300-B2-L-3	-	1230	1580	1990	2480	3030	-	0.97	-	1700	-
	N04120114	JEHS-0400-B3-L-3	-	1820	2380	3030	3790	4670	-	-	1.67	2530	-
	N04120115	JEHS-0500-B3-L-3	-	2200	2850	3600	4480	5480	-	-	-	3040	-
	N04120116	JEHS-0600-B3-L-3	-	2430	3250	4150	5160	6310	-	-	1.64	3490	-
	N04120117	JEHS-0750-B4-L-3	-	3550	4510	5630	6900	8370	-	-	1.64	4810	-
	N04120118	JEHS-0950-B4-L-3 EVI	-	3880	4860	5970	7250	8750	-	-	(1.76)	4860	-
	N04120133	JEHS-1150-B4-L-3 EVI	-	4920	6230	7730	9390	11200	-	-	(1.71)	6230	-

Rating Condition: Suction Gas Superheat 10K / Subcooling 0K / 32°C Ambient  
 ⊙ Ecodesign conditions: -10°Cte/+32°Cta MT with RGT 20°C & 0K SC

COP & SEPR data in brackets shown at 10K SH condition where RGT 20°C data unavailable  
 Capacity data presented in accordance with BS EN 13215:2016

# R449A Performance Data

SMALL, MEDIUM, LARGE & TWIN FAN



Casing	Part No.	Unit Model	R449A Cooling Capacity (Watts) @ Te							Ecodesign Conditions ①			Medium temperature
			-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	COP	SEPR	Watts	
Small	N04120079	JEHR-0050-B1-M-1	496	643	817	1023	1267	1558	1902	1.66	-	872	Medium temperature
	N04120080	JEHR-0067-B1-M-1	611	811	1045	1322	1652	2045	2514	1.64	-	1120	
	N04120081	JEHR-0100-B1-M-1	740	977	1252	1575	1958	2448	2959	1.64	-	1345	
	N04120082	JEHR-0113-B1-M-1	859	1169	1523	1926	2442	3000	3665	1.71	-	1639	
Medium	N04120083	JEHR-0140-B2-M-1	1192	1571	2016	2540	3158	3942	4889	2.09	-	2149	
	N04120084	JEHR-0140-B2-M-3	1156	1556	2020	2560	3194	3936	4808	2.00	-	2152	
	N04120085	JEHR-0150-B2-M-1	1230	1712	2273	2922	3669	4526	5506	1.97	-	2313	
	N04120086	JEHR-0150-B2-M-3	1189	1629	2138	2723	3393	4161	5037	1.95	-	2175	
	N04120087	JEHS-0200-B2-M-1	2080	2620	3240	3940	4740	5670	6740	2.02	-	3330	
	N04120088	JEHS-0200-B2-M-3	2080	2620	3240	3940	4740	5670	6740	2.02	-	3330	
	N04120089	JEHS-0250-B2-M-1	2440	3030	3700	4470	5360	6380	7560	1.93	-	3820	
	N04120090	JEHS-0250-B2-M-3	2440	3030	3700	4470	5360	6380	7560	1.93	-	3820	
	N04120091	JEHS-0300-B2-M-1	3060	3770	4570	5470	6510	7710	9120	1.85	-	4730	
	N04120092	JEHS-0300-B2-M-3	3060	3770	4570	5470	6510	7710	9120	1.85	-	4730	
	N04120093	JEHS-0350-B2-M-1	3530	4340	5270	6320	7530	8940	10600	-	2.72	5460	
	N04120094	JEHS-0350-B2-M-3	3530	4340	5270	6320	7530	8940	10600	-	2.72	5460	
Large	N04120099	JEHS-0350-B3-M-1	3630	4550	5600	6770	8130	9690	11500	-	3.02	5760	
	N04120100	JEHS-0350-B3-M-3	3630	4550	5600	6770	8130	9690	11500	-	3.02	5760	
	N04120101	JEHS-0400-B3-M-1	4100	5070	6170	7410	8840	10500	12400	-	3.13	6370	
	N04120102	JEHS-0400-B3-M-3	4100	5070	6170	7410	8840	10500	12400	-	3.13	6370	
	N04120103	JEHS-0500-B3-M-3	4830	6190	7600	9120	10850	12900	15300	-	2.97	7880	
	N04120104	JEHS-0600-B3-M-3	5790	7420	9130	10950	13000	15400	18200	-	3.22	9450	
	N04120105	JEHS-0680-B3-M-3	6430	8240	10150	12100	14350	16950	20000	-	2.96	10500	
	N04120106	JEHS-0800-B4-M-3	7250	9670	12300	15200	18450	22100	-	-	2.88	12650	
Twin	N04120107	JEHS-1000-B4-M-3	-	12150	15250	18800	22800	27300	-	-	2.83	15850	
	N04120137	JEHS-1300-B4-M-3	11693	15327	19164	23283	27761	32674	38100	-	2.97	19909	
Sp	N04120138	JEHS-1500-B6-M-3	14757	19205	24093	29487	35458	42072	49399	-	2.94	24876	

Casing	Part No.	Unit Model	R449A Cooling Capacity (Watts) @ Te							Ecodesign Conditions ①			Low temperature	
			-45°C	-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	COP	SEPR	Watts		
Small	N04120135	JEHR-0115-B1-L-1	-	-	-	-	-	-	-	-	-	-	Low temperature	
	N04120136	JEHR-0135-B1-L-1	-	-	-	-	-	-	-	-	-	-		
Medium	N04120108	JEHR-0175-B2-L-1	-	-	-	-	-	-	-	-	-	-		
	N04120109	JEHR-0175-B2-L-3	-	-	-	-	-	-	-	-	-	-		
	N04120110	JEHR-0225-B2-L-1	-	-	-	-	-	-	-	-	-	-		
	N04120111	JEHR-0225-B2-L-3	-	-	-	-	-	-	-	-	-	-		
	N04120113	JEHS-0300-B2-L-3	-	1230	1580	1990	2480	3030	-	0.97	-	1700		
	N04120114	JEHS-0400-B3-L-3	-	1820	2380	3030	3790	4670	-	-	1.67	2530		
	N04120115	JEHS-0500-B3-L-3	-	2200	2850	3600	4480	5480	-	-	-	3040		
	N04120116	JEHS-0600-B3-L-3	-	2430	3250	4150	5160	6310	-	-	1.64	3490		
	Twin	N04120117	JEHS-0750-B4-L-3	-	3550	4510	5630	6900	8370	-	-	1.64		4810
		N04120118	JEHS-0950-B4-L-3 EVI	-	3880	4860	5970	7250	8750	-	-	(1.76)		4860
Sp	N04120133	JEHS-1150-B4-L-3 EVI	-	4920	6230	7730	9390	11200	-	-	(1.71)	6230		

Rating Condition: Suction Gas Superheat 10K / Subcooling 0K / 32°C Ambient  
 ① Ecodesign conditions: -10°C<sub>Te</sub>/+32°C<sub>Ta</sub> MT with RGT 20°C & 0K SC

COP & SEPR data in brackets shown at 10K SH condition where RGT 20°C data unavailable  
 Capacity data presented in accordance with BS EN 13215:2016

# R452A Performance Data

SMALL & MEDIUM



Casing	Part No.	Unit Model	R452A Cooling Capacity (Watts) @ Te							Ecodesign Conditions ①			Medium temperature
			-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	COP	SEPR	Watts	
Small	N04120079	JEHR-0050-B1-M-1	552	696	866	1065	1301	1580	1908	1.67	-	949	Medium temperature
	N04120080	JEHR-0067-B1-M-1	687	885	1116	1388	1707	2085	2533	1.67	-	1229	
	N04120081	JEHR-0100-B1-M-1	837	1071	1341	1656	2026	2463	2982	1.68	-	1481	
	N04120082	JEHR-0113-B1-M-1	983	1277	1612	1997	2444	2968	3584	1.73	-	1788	
Medium	N04120083	JEHR-0140-B2-M-1	1232	1585	1995	2475	3041	3711	4505	1.92	-	2196	
	N04120084	JEHR-0140-B2-M-3	1188	1564	1995	2493	3076	3759	4565	1.83	-	2195	
	N04120085	JEHR-0150-B2-M-1	1257	1713	2238	2839	3528	4317	5223	1.93	-	2355	
	N04120086	JEHR-0150-B2-M-3	1302	1721	2209	2775	3433	4197	5083	1.87	-	2324	
	N04120087	JEHS-0200-B2-M-1	-	-	-	-	-	-	-	-	-	-	
	N04120088	JEHS-0200-B2-M-3	-	-	-	-	-	-	-	-	-	-	
	N04120089	JEHS-0250-B2-M-1	-	-	-	-	-	-	-	-	-	-	
	N04120090	JEHS-0250-B2-M-3	-	-	-	-	-	-	-	-	-	-	
	N04120091	JEHS-0300-B2-M-1	-	-	-	-	-	-	-	-	-	-	
	N04120092	JEHS-0300-B2-M-3	-	-	-	-	-	-	-	-	-	-	
	N04120093	JEHS-0350-B2-M-1	-	-	-	-	-	-	-	-	-	-	
	N04120094	JEHS-0350-B2-M-3	-	-	-	-	-	-	-	-	-	-	
Large	N04120099	JEHS-0350-B3-M-1	-	-	-	-	-	-	-	-	-	-	
	N04120100	JEHS-0350-B3-M-3	-	-	-	-	-	-	-	-	-	-	
	N04120101	JEHS-0400-B3-M-1	-	-	-	-	-	-	-	-	-	-	
	N04120102	JEHS-0400-B3-M-3	-	-	-	-	-	-	-	-	-	-	
	N04120103	JEHS-0500-B3-M-3	-	-	-	-	-	-	-	-	-	-	
	N04120104	JEHS-0600-B3-M-3	-	-	-	-	-	-	-	-	-	-	
	N04120105	JEHS-0680-B3-M-3	-	-	-	-	-	-	-	-	-	-	
	N04120106	JEHS-0800-B4-M-3	-	-	-	-	-	-	-	-	-	-	
Twin	N04120107	JEHS-1000-B4-M-3	-	-	-	-	-	-	-	-	-	-	
	N04120137	JEHS-1300-B4-M-3	-	-	-	-	-	-	-	-	-	-	
Sp	N04120138	JEHS-1500-B6-M-3	-	-	-	-	-	-	-	-	-		

Casing	Part No.	Unit Model	R452A Cooling Capacity (Watts) @ Te							Ecodesign Conditions ①			Low temperature	
			-45°C	-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	COP	SEPR	Watts		
Small	N04120135	JEHR-0115-B1-L-1	-	-	517	708	938	1213	1539	1.05	-	637	Low temperature	
	N04120136	JEHR-0135-B1-L-1	-	-	658	886	1164	1498	1897	0.98	-	814		
Medium	N04120108	JEHR-0175-B2-L-1	-	579	881	1240	1680	2216	-	1.07	-	990		
	N04120109	JEHR-0175-B2-L-3	-	611	919	1280	1716	2244	-	1.12	-	1032		
	N04120110	JEHR-0225-B2-L-1	-	-	1401	1871	2437	3122	-	0.98	-	1603		
	N04120111	JEHR-0225-B2-L-3	-	-	1392	1863	2429	3113	-	1.12	-	1594		
	N04120113	JEHS-0300-B2-L-3	-	-	-	-	-	-	-	-	-	-		
	N04120114	JEHS-0400-B3-L-3	-	-	-	-	-	-	-	-	-	-		
	N04120115	JEHS-0500-B3-L-3	-	-	-	-	-	-	-	-	-	-		
	N04120116	JEHS-0600-B3-L-3	-	-	-	-	-	-	-	-	-	-		
	Twin	N04120117	JEHS-0750-B4-L-3	-	-	-	-	-	-	-	-	-		-
		N04120118	JEHS-0950-B4-L-3 EVI	-	-	-	-	-	-	-	-	-		-
Sp	N04120133	JEHS-1150-B4-L-3 EVI	-	-	-	-	-	-	-	-	-			

Rating Condition: Suction Gas Superheat 10K / Subcooling 0K / 32°C Ambient  
 ① Ecodesign conditions: -10°C<sub>Te</sub>/+32°C<sub>Ta</sub> and -35°C<sub>Te</sub>/+32°C<sub>Ta</sub> LT with RGT 20°C & 0K SC  
 COP & SEPR data in brackets shown at 10K SH condition where RGT 20°C data unavailable  
 Capacity data presented in accordance with BS EN 13215:2016

**Note: R404A, R407A and R407F data available on request**



## Labour Assist Scheme

Labour Assist provides installers with a contribution towards labour costs in the unlikely event of needing to replace a part under our standard warranty terms.

To be eligible, installers must complete our online registration form with full details regarding the claim process at [www.jehall.co.uk/commercialhub](http://www.jehall.co.uk/commercialhub)

If a component fails and is accepted under our standard warranty terms, we will automatically activate the scheme and issue a voucher to be redeemed at the place of purchase.



## J & E Hall commercial product range



### Digital condensing units

With capacities up to 46kW, digital scroll compressor capacity matches varying display case loads for an energy efficient solution. The units are suitable for multi cabinet systems and multiple evaporators for coldrooms.



### Cellar coolers

Cost effective and reliable cooling solution designed to maintain temperatures required for beer and wine cellars. Electronic control down to 4°C prolongs the life of fresh fruit and vegetables, flowers, dairy products and other items requiring a temperature controlled environment.

## Refrigerants information

Refrigerants	GWP	TCO <sub>2</sub> eq (Tonnes CO <sub>2</sub> equivalent)
R134a	1430	GWP x total system refrigerant charge (Kgs) 1000
R407A	2107	
R407F	1825	
R448A	1387	
R449A	1397	
R452A	2140	

J & E Hall commercial condensing units' functioning relies on fluorinated greenhouse gases. This table illustrates refrigerants used, GWP values and Tonnes CO<sub>2</sub> equivalent calculation.

COMMERCIAL  
CONDENSING  
UNITS



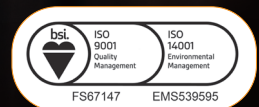
CC\_ISS: 4.0\_0218

[www.fsw.uk.com](http://www.fsw.uk.com)  
[acenquiries@fsw.uk.com](mailto:acenquiries@fsw.uk.com)

All data printed is believed to be correct at the time of issue and is for guidance only.  
We accept no liability for any incorrect information supplied.  
For further technical specification please contact J & E Hall Limited.



**FSW**



**J&E Hall**  
**International**