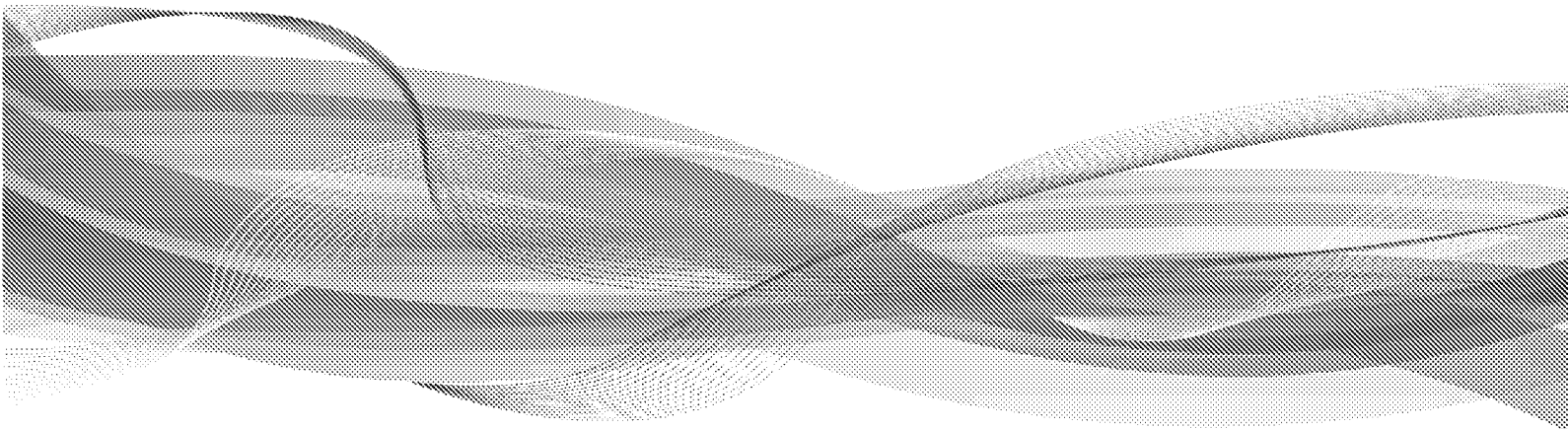


FUSION commercial condensing units
reciprocating and scroll



Fusion Scroll units qualify* for ECA and are
100% TAX DEDUCTIBLE
Visit www.jehall.com for more information
*Fusion Scroll units are not listed on the ASHRAE 90.1-2001 ECA list.



J&E Hall
International

Commercial condensing units

J & E Hall Fusion and Fusion Scroll commercial refrigeration units create the perfect answer for those demanding a compact yet efficient unit. The units are the ideal solution for commercial refrigeration sectors where noise, size and reliability are paramount.

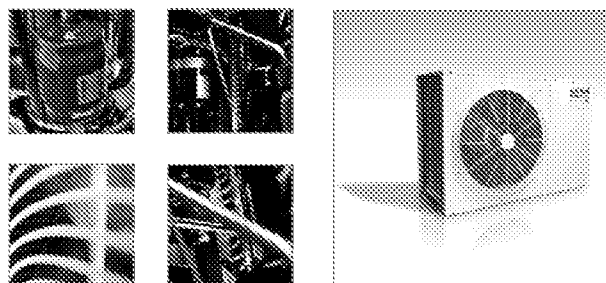
Housed in a cabinet made of electro-galvanised mild steel with an anti-corrosion treatment and coated in baked polyester powder paint, units are able to withstand the most stringent weather testing. The integral IP54 rated control panel provides further protection to all essential electrical components.

All units are acoustically lined. The Fusion Scroll units house the extremely efficient Copeland scroll compressor and the standard Fusion range house a highly reliable reciprocating compressor fitted with compressor jacket* to further reduce noise.

*Excludes scroll units

All condensing units come complete with all components fitted during manufacture to save the installer time and money.

Fusion and Fusion Scroll condensing units are available for both medium and low temperature applications.



FUSION

On all models

- R404A refrigerant
- Robust weather resistant housing
- Highly reliable hermetic compressor
- Liquid receiver with fusible plug
- Adjustable HP/LP pressure safety switch
- Liquid line with sight glass and filter drier factory fitted
- IP54 rated control panel with isolator
- Noise data tested to ISO 3774-2 standard
- Oil separator and check valve for low temperature models
- CE marked
- Anti corrosion blue fins for improved condenser efficiency
- Polyurethane foam insulation for improved noise reduction
- Externally mounted service valves for easy isolation and an extended tail for easy installation
- Hexagon head screws and stainless steel washers for easy removal of access panels

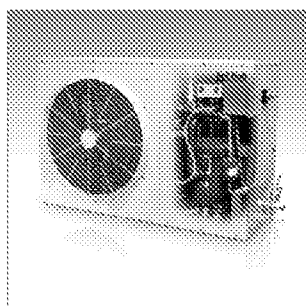
Additional features on medium, large and twin fan models:

- Compressor contactor
- Fan speed controller
- Crankcase heater
- Fitted compressor jacket for improved noise reduction
- Isolator with integrated MCB for improved electrical layout
- Medium temperature units can also operate on R134a if required

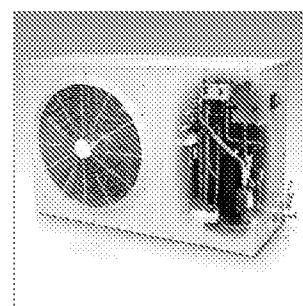
FUSION SCROLL

On all models

- R404A refrigerant (Medium temperature units can also operate on R134a if required)
- Robust weather resistant housing
- Highly reliable Copeland scroll compressor
- Liquid receiver with fusible plug
- Adjustable HP/LP pressure safety switch
- Liquid line with sight glass and filter drier factory fitted
- IP54 rated control panel with isolator
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- Isolator with integrated MCB for improved electrical layout
- Fan speed controller
- Crankcase heater



FUSION



FUSION SCROLL

FUSION commercial condensing units

Series	Model	Casing size	Compressor			Coil Vol. Litres	Airflow M3/hr	Fan Motors		Connections		Receiver vol. litres	Dry weight Kgs	Noise Db(A)*	Dimensions (mm)		
			Type	OMCC(A)	LRC (A)			No.	FLC (A)	Suction	Liquid				Width	Depth	Height
1	JEH2-0050-M-1	small	SC10 MLX	4.7	18.4	1.9	1910	1	0.6	3/8	1/4	1.2	46	29	887	430	489
	JEH2-0088-M-1	small	SC18 MLX	6.6	23.4	1.9	1910	1	0.6	3/8	1/4	1.2	46	29	887	430	489
2	JEH2-0150-M-1	medium	MTZ18-5VM	10.0	40.0	1.5	3040	1	0.6	1/2	3/8	4.6	82	37	1109	478	649
	JEH2-0150-M-3	medium	MTZ18-4VM	5.0	20.0	1.5	3040	1	0.6	1/2	3/8	4.6	82	37	1109	478	649
	JEH2-0225-M-1	medium	MTZ28-5VM	20.0	51.0	3.1	2620	1	0.6	1/2	3/8	4.6	89	35	1109	478	649
	JEH2-0225-M-3	medium	MTZ28-4VM	7.5	23.0	3.1	2620	1	0.6	1/2	3/8	4.6	89	35	1109	478	649
	JEH2-0300-M-1	medium	MTZ36-5VM	22.0	60.0	3.1	2620	1	0.6	5/8	3/8	4.6	89	37	1109	478	649
	JEH2-0300-M-3	medium	MTZ36-4VM	9.0	30.0	3.1	2620	1	0.6	5/8	3/8	4.6	89	37	1109	478	649
3	JEH2-0400-M-3	large	MTZ50-4VM	12.0	42.0	4.7	6050	1	1.1	7/8	1/2	7.6	120	37	1335	529	884
	JEH2-0500-M-3	large	MTZ64-4VM	15.0	67.0	4.7	6050	1	1.1	7/8	1/2	7.6	120	40	1335	529	884
	JEH2-0600-M-3	large	MTZ72-4VM	15.5	80.0	7.6	5180	1	1.1	7/8	1/2	7.6	126	40	1335	529	884
	JEH2-0675-M-3	large	MTZ81-4VM	19.0	80.0	7.6	5180	1	1.1	1 1/8	1/2	7.6	126	42	1335	529	884
4	JEH2-0825-M-3	twin fan	MTZ100-4VM	22.0	90.0	6.9	6770	2	1.6	1 1/8	1/2	14.0	203	42	1258	590	1436
	JEH2-1000-M-3	twin fan	MTZ125-4VM	27.0	103.0	6.9	6770	2	1.6	1 1/8	1/2	14.0	203	42	1258	590	1436
1	JEH2-0075-L-1	small	SC18 CLX2	5.9	23.5	1.9	1910	1	0.6	3/8	1/4	1.2	46	30	887	430	489
	JEH2-0175-L-1	medium	NTZ48-5VM	11.0	37.0	1.5	3040	1	0.6	5/8	3/8	4.6	86	35	1109	478	649
	JEH2-0175-L-3	medium	NTZ48-4VM	4.8	16.0	1.5	3040	1	0.6	5/8	3/8	4.6	86	35	1109	478	649
	JEH2-0225-L-1	medium	NTZ68-5VM	17.0	53.0	3.1	2620	1	0.6	5/8	3/8	4.6	92	38	1109	478	649
2	JEH2-0225-L-3	medium	NTZ68-4VM	8.4	25.0	3.1	2620	1	0.6	5/8	3/8	4.6	92	38	1109	478	649
	JEH2-0350-L-3	large	NTZ96-4VM	10.1	32.0	5.0	6050	1	1.1	7/8	1/2	7.6	125	38	1335	529	884
	JEH2-0400-L-3	large	NTZ136-4VM	14.3	51.0	5.0	6050	1	1.1	1 1/8	1/2	7.6	125	38	1335	529	884
4	JEH2-0725-L-3	twin fan	NTZ216-4VM	22.3	74.0	6.9	6770	2	1.6	1 1/8	1/2	14.0	203	41	1258	590	1436
	JEH2-0825-L-3	twin fan	NTZ271-4VM	27.0	96.0	6.9	6770	2	1.6	1 1/8	1/2	14.0	203	40	1258	590	1436

* Maximum Continuous Current

* Sound pressure levels @10m free field at (-10/+32°C) MT & (-25/+32°C) LT conditions. Alternative conditions may produce different results.

Medium Temperature Performance Data

R404A

Model	HP	TE	Cooling Capacity (Watts)							
			TA	-30	-25	-20	-15	-10	-5	0
JEH2-0050 M-1	0.5	27	-	-	694	851	1037	1234	1500	1777
		32	-	-	552	686	871	1095	1330	1604
		38	-	-	391	543	725	957	1179	1481
JEH2-0088 M-1	0.88	27	-	-	1057	1360	1619	1932	2321	2744
		32	-	-	940	1214	1478	1762	2126	2510
		38	-	-	868	1065	1302	1572	1896	2282
JEH2-0150 M-1&3	1.5	27	549	961	1308	1750	2287	2862	3496	4198
		32	568	937	1180	1582	2052	2601	3204	3928
		38	431	672	967	1355	1785	2271	2819	3427
JEH2-0225 M-1&3	2.25	27	1172	1722	2341	3031	3790	4620	5519	6489
		32	977	1491	2074	2728	3451	4248	5108	6042
		38	819	1293	1826	2420	3073	3787	4560	5374
JEH2-0300 M-1&3	3	27	1681	2366	3036	3871	4811	5856	7006	8261
		32	1524	2120	2815	3611	4506	5502	6597	7793
		38	1281	1869	2546	3314	4171	5119	6156	7284
JEH2-0400 M-3	4	27	2315	3247	4366	5670	7167	8852	10692	12736
		32	2061	2900	3924	5153	6527	8106	9870	11819
		38	1719	2482	3409	4502	5729	7192	8769	10522
JEH2-0500 M-3	5	27	3240	4586	5856	7502	9712	12898	16289	19964
		32	2846	3962	5043	6450	8021	9818	11819	14026
		38	2393	3547	4566	5750	7199	8913	10592	12536
JEH2-0600 M-3	6	27	3926	5604	7076	9744	12606	16664	21916	28564
		32	2672	4181	5568	7140	8897	10839	12966	15278
		38	2471	3635	4943	6397	7995	9739	11652	13661
JEH2-0675 M-3	6.75	27	3856	5119	6756	8867	11556	15219	19536	24649
		32	3172	4593	6164	7985	9750	11777	13948	16266
		38	2674	4050	5546	7152	8878	10724	12690	14776
JEH2-0825 M-3	8.25	27	3832	5540	7457	9605	11942	14495	17227	20290
		32	3322	4982	6816	8826	11010	13170	15904	18614
		38	2809	4346	6043	7993	9897	12057	14371	16841
JEH2-1000 M-3	10	27	5786	7709	9811	12074	14556	17199	20021	23024
		32	4952	6731	9020	11219	13528	15947	18476	21115
		38	4351	6155	8073	10107	12258	14519	16897	-

TE: Evaporating Temperature (°C) TA: Ambient Temperature (°C)

Rating condition: Suction gas superheat 10K, Sub-cooling 0K

All duties are +/-10%

Low Temperature Performance Data

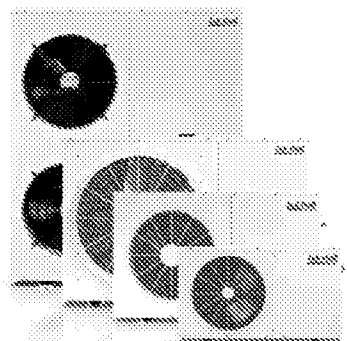
R404A

Model	HP	TE	Cooling Capacity (Watts)						
			TA	-45	-40	-35	-30	-25	-20
JEH2-0075 L-1	0.75	27	245	365	500	650	815	995	
			32	175	289	418	562	721	892
			38	104	209	322	464	614	779
JEH2-0175 L-1&3	1.75	27	455	738	1051	1394	1767	2170	
			32	365	645	947	1277	1631	2011
			38	-	492	800	1132	1490	1872
JEH2-0225 L-1&3	2.25	27	829	1253	1718	2222	2767	3351	
			32	762	1136	1567	2044	2572	3149
			38	-	1017	1410	1869	2361	2979
JEH2-0350 L-3	3.5	27	996	1598	2141	2901	3756	4796	
			32	770	1252	1846	2567	3420	4402
			38	-	1080	1662	2272	3060	4044
JEH2-0400 L-3	4	27	1629	2354	3260	4165	5251	6456	
			32	1347	2020	2824	3707	4821	6014
			38	-	1749	2495	3396	4452	5653
JEH2-0725 L-3	7.25	27	2363	3485	4717	6069	7511	9073	
			32	2029	3070	4245	5542	6984	8549
			38	-	2503	3716	5014	6457	8045
JEH2-0825 L-3	8.25	27	3293	4813	6459	8227	10185	12245	
			32	2870	4275	5818	7514	9366	11372
			38	-	3713	5111	6694	8462	10415

TE: Evaporating Temperature (°C) TA: Ambient Temperature (°C)

Rating condition: Suction gas superheat 10K, Sub-cooling 0K

All duties are +/-10%



FUSION SCROLL commercial condensing units

Series	Model	Casing size	Compressor			Coil Vol. Litres	Airflow M3/hr	Fan Motors		Connections		Receiver vol. litres	Dry weight Kgs	Noise Db(A)*	Dimensions (mm)		
			Type	OMCC(A)	LRC (A)			No.	FLC (A)	Suction	Liquid				Width	Depth	Height
2	JEHS-0200-M1	medium	ZB15KQOE-PFJ	18.5	58.0	3.1	2620	1	0.6	3/4	3/8	4.6	88	30	1109	478	649
	JEHS-0200-M3	medium	ZB15KQOE-TFD	7.0	26.0	3.1	2620	1	0.6	3/4	3/8	4.6	88	30	1109	478	649
	JEHS-0250-M1	medium	ZB19KQOE-PFJ	20.5	61.0	3.1	2620	1	0.6	3/4	3/8	4.6	90	31	1109	478	649
	JEHS-0250-M3	medium	ZB19KQOE-TFD	7.0	32.0	3.1	2620	1	0.6	3/4	3/8	4.6	90	31	1109	478	649
	JEHS-0300-M1	medium	ZB21KQOE-PFJ	21.5	82.0	3.1	2620	1	0.6	3/4	3/8	4.6	92	34	1109	478	649
	JEHS-0300-M3	medium	ZB21KQOE-TFD	10.3	40.0	3.1	2620	1	0.6	3/4	3/8	4.6	92	34	1109	478	649
3	JEHS-0350-M1	large	ZB26KQOE-PFJ	26.5	97.0	4.7	6050	1	1.1	3/4	1/2	7.6	114	35	1335	529	884
	JEHS-0350-M3	large	ZB26KQOE-TFD	9.0	46.0	4.7	6050	1	1.1	3/4	1/2	7.6	114	35	1335	529	884
	JEHS-0400-M1	large	ZB29KQOE-PFJ	28.0	114.0	4.7	6050	1	1.1	7/8	1/2	7.6	121	34	1335	529	884
	JEHS-0400-M3	large	ZB29KQOE-TFD	11.0	50.0	4.7	6050	1	1.1	7/8	1/2	7.6	121	34	1335	529	884
	JEHS-0500-M3	large	ZB38KQOE-TFD	14.0	65.5	4.7	6050	1	1.1	7/8	1/2	7.6	126	35	1335	529	884
	JEHS-0600-M3	large	ZB45KQOE-TFD	14.2	74.0	7.6	6180	1	1.1	7/8	1/2	7.6	128	40	1335	529	884
3	JEHS-0680-M3	large	ZB48KQOE-TFD	19.1	101.0	7.6	6180	1	1.1	7/8	1/2	7.6	129	40	1335	529	884
	JEHS-0200-L3	medium	ZF06K4E-TFD	6.0	26.0	3.1	2620	1	0.6	3/4	3/8	4.6	94	27	1109	478	649
	JEHS-0300-L3	medium	ZF09K4E-TFD	7.5	40.0	3.1	2620	1	0.6	3/4	3/8	4.6	96	28	1109	478	649
	JEHS-0400-L3	large	ZF13K4E-TFD	10.0	61.5	4.7	6050	1	1.1	7/8	1/2	7.6	129	35	1335	529	884
	JEHS-0500-L3	large	ZF15K4E-TFD	12.0	64.0	4.7	6050	1	1.1	7/8	1/2	7.6	130	36	1335	529	884
	JEHS-0600-L3	large	ZF18K4E-TFD	11.5	74.0	4.7	6050	1	1.1	7/8	1/2	7.6	130	41	1335	529	884

OM Maximum Continuous Current

* Sound pressure levels @ 10m free field at (-10/+32°C) MT & (-25/+32°C) LT conditions. Alternative conditions may produce different results.

Medium Temperature Performance Data

R404A

Model	HP	TA	TE	COP	Cooling Capacity (Watts)					
					-20	-15	-10	-5	0	5
JEHS-0200 M-1&3	2	27	3.1	3.1	2500	3020	3650	4050	5150	6019
		32			2115	2620	3400	4050	4900	5617
		38			2075	2545	3050	3700	4400	5197
JEHS-0250 M-1&3	2.5	27	3.1	3.1	2750	3400	4100	4620	5850	6809
		32			2395	3200	3900	4620	5550	6306
		38			2395	2950	3600	4300	5250	6236
JEHS-0300 M-1&3	3	27	3.0	3.0	3400	4200	5000	6100	7250	8522
		32			3200	3950	4900	5900	6850	8040
		38			3050	3700	4500	5400	6450	7590
JEHS-0350 M-1&3	3.5	27	3.1	3.1	4250	5200	6300	7650	9100	10747
		32			3950	4850	5900	7100	8500	10040
		38			3550	4350	5300	6450	7700	9140
JEHS-0400 M-1&3	4	27	3.4	3.4	4790	5900	7160	8610	10250	12036
		32			4480	5500	6650	8040	9590	11298
		38			4000	4940	6020	7260	8690	10281
JEHS-0500 M-3	5	27	3.2	3.2	5850	7150	8650	10390	12250	14350
		32			5400	6650	8050	9650	11450	13420
		38			4850	5950	7200	8700	10350	12210
JEHS-0600 M-3	6	27	3.0	3.0	6650	8100	9800	11700	13800	16150
		32			6150	7520	9150	10900	12950	15150
		38			5650	6900	8250	9850	11650	13620
JEHS-0680 M-3	6.8	27	3.2	3.2	7150	8720	10500	12550	14750	17190
		32			6700	8150	9850	11650	13400	16090
		38			6050	7300	8950	10550	12400	14460

COP's are based on U.F. rating point for medium temperature units

TE: Evaporating Temperature (°C) TA: Ambient Temperature (°C)

Rating condition: Suction gas superheat 10K, Sub cooling 0K

All duties are +/-10%

Low Temperature Performance Data

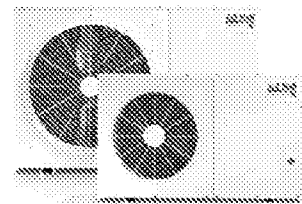
R404A

Model	HP	TA	TE	COP	Cooling Capacity (Watts)				
					-40	-35	-30	-25	-20
JEHS-0200 L-3	2	27	3.1	3.1	1075	1350	1665	2030	2450
		32			1000	1260	1560	1910	2310
		38			915	1160	1445	1780	2170
JEHS-0300 L-3	3	27	3.1	3.1	1340	1760	2170	2630	3150
		32			1315	1645	2040	2480	3000
		38			1215	1535	1905	2335	2830
JEHS-0400 L-3	4	27	3.4	3.4	2070	2665	3350	4100	5000
		32			1940	2485	3100	3850	4700
		38			1780	2275	2860	3550	4350
JEHS-0500 L-3	5	27	3.2	3.2	2475	3200	4000	4900	5950
		32			2330	3000	3750	4650	5580
		38			2135	2745	3450	4250	5200
JEHS-0600 L-3	6	27	3.0	3.0	3050	3900	4700	5700	6950
		32			2850	3600	4400	5350	6450
		38			2620	3300	4100	5050	6100

TE: Evaporating Temperature (°C) TA: Ambient Temperature (°C)

Rating condition: Suction gas superheat 10K, Sub cooling 0K

All duties are +/-10%



END USERS QUALIFY FOR 100% TAX DEDUCTABLE BENEFITS

IN 3 EASY STEPS

BUY A J & E HALL QUALIFYING UNIT

COMPLETE YOUR BUSINESS TAX RETURN

BENEFIT FROM 100% TAX RELIEF

AFR Refrigeration Ltd.

J&E Hall International