

Powered by
embraco
Nidec
Scroll Technology

ScrollPak
Condensing Units



SLE.2608.V1.0E

ScrollPak Condensing Unit

Powered by Embraco Scroll Technology

Available in medium-temperature and low-temperature configurations with digital controls, our condensing units deliver precise temperature control and reliable performance across retail, food service and pharmaceutical storage applications. By providing enhanced system control, they help reduce operating costs while maintaining consistent product quality, whether preserving fresh produce or protecting vaccines.

embraco
Nidec

Embraco is a global brand of solutions for refrigeration, heating, and air-conditioning, counting on a broad, efficient, and competitive portfolio of compressors (both hermetic piston and scroll), monoblocks, and electronic components. Since 1971, its solutions have been differentiated by innovation that exceeds customers' most challenging expectations. Embraco is part of Nidec Global Appliance.



Features

- **Advanced Condenser Technology**

The L-shaped coil configuration ensures uniform airflow distribution across the heat exchanger surface. This design, combined with an enlarged heat transfer area, improves thermal efficiency and delivers consistent condensing performance.

- **Scroll Compressor Reliability**

Embraco scroll compressors are engineered for long service life and dependable operation, maintaining high volumetric efficiency across a broad operating range. Robust construction and precision-machined components reduce wear and ensure consistent performance over many years of continuous duty.

- **Low-Noise and Low-Vibration Operation**

The ScrollPak is designed for quiet running with minimal vibration, making it suitable for noise-sensitive environments such as supermarkets, convenience stores and pharmaceutical facilities.

- **Easy Installation and Maintenance**

The ScrollPak features well-positioned service access points and factory-fitted electrical terminals. Each unit is supplied with high and low pressure gauges, and a sight glass to facilitate on-site fault diagnosis and routine maintenance.

- **Intelligent Controls for Efficient Operation**

Automated controls regulate temperature, pressure and fan speed, automatically adapting to system load changes. For low-temperature applications, enhanced vapour injection increases COP by up to 5%-20%, enhancing performance under low-ambient conditions.

Accessories

Medium Temperature

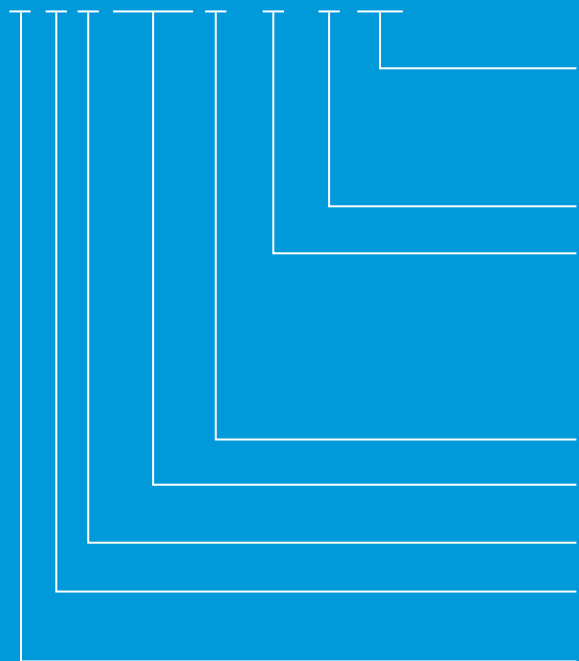
- Liquid Line Sight Glass and Filter Drier
- Vertical Liquid Receiver c/w Rotalock Valve
- Adjustable Low-Pressure Switch
- Fixed Low-Pressure Switch (non-adjustable)
- Fixed High-Pressure Switch (non-adjustable)
- Oil Separator
- Circuit Breaker
- Sound Jacket
- Electronic Controller

Low Temperature

- Liquid Line Sight Glass and Filter Drier
- Vertical Liquid Receiver c/w Rotalock Valve
- Oil Separator
- Suction Accumulator
- Adjustable Low-Pressure Switch
- Fixed Low-Pressure Switch (non-adjustable)
- Fixed High-Pressure Switch (non-adjustable)
- Electronic Controller
- Circuit Breaker
- Sound Jacket

Nomenclature

S L E 0 3 5 V . T . A 0 2



Accessories

01 - Standard

02 - Add Oil Suction Accumulator

A - Generation 1

T - 380-420V-50Hz-3Ph or 380-420V-60Hz-3Ph

B - 220-230V-50Hz-1Ph

C - 208-230V-60Hz-1Ph

D - 208-230V-60Hz-3Ph

V - Vapour Injection

035 - Compressor Nominal Power - 3.5HP

E - Embraco Compressor

M - Medium Temperature

L - Low Temperature

S - ScrollPak Series

ScrollPak Medium Temperature Series

Performance Data

Capacity (kW)

R404A

50Hz / 60Hz



Unit Model	Nominal Power (HP)	Ambient Temperature (°C)		Refrigerating Capacity Qo(kW) Power Input Pe (kW)					
				Evaporating Temperature (°C)					
				-20	-15	-10	-5	0	5
SME020.B.A01	2	32	Qo	2.50	3.08	3.77	4.56	5.49	6.59
			Pe	1.75	1.83	1.90	1.98	2.04	2.11
		38	Qo	2.26	2.80	3.42	4.16	5.02	6.04
			Pe	1.92	2.00	2.08	2.16	2.23	2.30
		43	Qo	2.04	2.54	3.12	3.80	4.61	5.57
			Pe	2.08	2.17	2.26	2.34	2.42	2.49
SME020.T.A01	2	32	Qo	2.50	3.08	3.77	4.56	5.49	6.59
			Pe	1.75	1.83	1.90	1.98	2.04	2.11
		38	Qo	2.26	2.80	3.42	4.16	5.02	6.04
			Pe	1.92	2.00	2.08	2.16	2.23	2.30
		43	Qo	2.04	2.54	3.12	3.80	4.61	5.57
			Pe	2.08	2.17	2.26	2.34	2.42	2.49
SME030.B.A01	3	32	Qo	3.41	4.20	5.13	6.21	7.48	8.97
			Pe	2.30	2.40	2.50	2.59	2.69	2.78
		38	Qo	3.08	3.81	4.66	5.66	6.84	8.23
			Pe	2.52	2.63	2.74	2.84	2.94	3.03
		43	Qo	2.78	3.45	4.25	5.18	6.28	7.58
			Pe	2.74	2.86	2.97	3.08	3.19	3.28
SME030.T.A01	3	32	Qo	3.41	4.20	5.13	6.21	7.48	8.97
			Pe	2.30	2.40	2.50	2.59	2.69	2.78
		38	Qo	3.08	3.81	4.66	5.66	6.84	8.23
			Pe	2.52	2.63	2.74	2.84	2.94	3.03
		43	Qo	2.78	3.45	4.25	5.18	6.28	7.58
			Pe	2.74	2.86	2.97	3.08	3.19	3.28
SME040.T.A01	4	32	Qo	5.01	6.17	7.54	9.13	10.99	13.18
			Pe	3.21	3.35	3.49	3.63	3.76	3.89
		38	Qo	4.52	5.59	6.85	8.32	10.05	12.09
			Pe	3.53	3.68	3.84	3.98	4.12	4.25
		43	Qo	4.09	5.08	6.24	7.61	9.23	11.14
			Pe	3.84	4.00	4.16	4.32	4.47	4.60
SME050.T.A01	5	32	Qo	5.89	7.31	8.97	10.91	13.15	15.75
			Pe	3.87	4.03	4.18	4.32	4.44	4.55
		38	Qo	5.31	6.60	8.13	9.91	11.99	14.39
			Pe	4.30	4.48	4.64	4.80	4.93	5.05
		43	Qo	4.80	5.99	7.39	9.04	10.97	13.20
			Pe	4.70	4.89	5.07	5.24	5.39	5.52
SME060.T.A01	6	32	Qo	7.31	9.01	11.00	13.32	16.04	19.23
			Pe	4.72	4.93	5.14	5.34	5.53	5.72
		38	Qo	6.60	8.16	10.00	12.14	14.67	17.64
			Pe	5.19	5.42	5.65	5.86	6.07	6.26
		43	Qo	5.97	7.41	9.11	11.10	13.46	16.25
			Pe	5.65	5.89	6.13	6.36	6.58	6.78
SME070.T.A01	7	32	Qo	7.84	9.71	11.91	14.46	17.41	20.83
			Pe	4.93	5.19	5.39	5.56	5.68	5.76
		38	Qo	7.06	8.79	10.81	13.16	15.88	19.03
			Pe	5.38	5.69	5.95	6.16	6.32	6.44
		43	Qo	6.40	8.00	9.87	12.04	14.57	17.50
			Pe	5.78	6.15	6.46	6.71	6.91	7.06

*The rating condition is based on a return gas temperature of 18.3°C.
 *Power includes condenser fan.

These models are designed for use with a 220-230V-50Hz-1Ph power supply.

ScrollPak Low Temperature Series

Performance Data

Capacity(kW)

R404A

50Hz / 60Hz



Unit Model	Nominal Power (HP)	Ambient Temperature (°C)		Refrigerating Capacity Qo(kW) Power Input Pe (kW)							
				Evaporating Temperature (°C)							
				-40	-30	-25	-20	-15	-10	-5	0
SLE025V.B.A02	2.5	32	Qo	2.02	3.01	3.62	4.31	5.06	5.87	6.72	7.59
			Pe	2.26	2.34	2.40	2.46	2.55	2.64	2.76	2.89
		38	Qo	1.96	2.90	3.48	4.12	4.83	5.59	6.39	7.19
			Pe	2.59	2.66	2.72	2.80	2.90	3.02	3.15	3.31
		43	Qo	-	-	-	3.95	4.62	5.33	6.07	6.81
			Pe	-	-	-	3.10	3.21	3.34	3.50	3.68
SLE025V.T.A02	2.5	32	Qo	2.02	3.01	3.62	4.31	5.06	5.87	6.72	7.59
			Pe	2.26	2.34	2.40	2.46	2.55	2.64	2.76	2.89
		38	Qo	1.96	2.90	3.48	4.12	4.83	5.59	6.39	7.19
			Pe	2.59	2.66	2.72	2.80	2.90	3.02	3.15	3.31
		43	Qo	-	-	-	3.95	4.62	5.33	6.07	6.81
			Pe	-	-	-	3.10	3.21	3.34	3.50	3.68
SLE030V.B.A02	3	32	Qo	2.38	3.57	4.30	5.12	6.03	7.02	8.05	9.10
			Pe	2.55	2.63	2.70	2.77	2.87	2.98	3.10	3.25
		38	Qo	2.31	3.44	4.13	4.91	5.77	6.70	7.67	8.65
			Pe	2.91	3.00	3.07	3.15	3.26	3.39	3.55	3.72
		43	Qo	-	-	-	4.72	5.53	6.40	7.31	8.22
			Pe	-	-	-	3.49	3.61	3.76	3.94	4.14
SLE030V.T.A02	3	32	Qo	2.38	3.57	4.30	5.12	6.03	7.02	8.05	9.10
			Pe	2.55	2.63	2.70	2.77	2.87	2.98	3.10	3.25
		38	Qo	2.31	3.44	4.13	4.91	5.77	6.70	7.67	8.65
			Pe	2.91	3.00	3.07	3.15	3.26	3.39	3.55	3.72
		43	Qo	-	-	-	4.72	5.53	6.40	7.31	8.22
			Pe	-	-	-	3.49	3.61	3.76	3.94	4.14
SLE035V.T.A02	3.5	32	Qo	2.82	4.18	5.01	5.95	6.97	8.07	9.22	10.38
			Pe	3.09	3.20	3.28	3.37	3.49	3.62	3.78	3.96
		38	Qo	2.72	4.01	4.80	5.67	6.63	7.66	8.72	9.79
			Pe	3.54	3.65	3.73	3.84	3.98	4.14	4.33	4.54
		43	Qo	-	-	-	5.42	6.32	7.28	8.26	9.25
			Pe	-	-	-	4.25	4.41	4.59	4.81	5.07
SLE040V.T.A02	4	32	Qo	3.23	4.84	5.83	6.94	8.18	9.51	10.91	12.34
			Pe	3.48	3.60	3.68	3.79	3.92	4.07	4.25	4.45
		38	Qo	3.13	4.66	5.60	6.66	7.83	9.08	10.39	11.72
			Pe	3.98	4.10	4.19	4.32	4.47	4.65	4.86	5.10
		43	Qo	-	-	-	6.40	7.50	8.67	9.90	11.14
			Pe	-	-	-	4.77	4.95	5.15	5.40	5.68
SLE050V.T.A02	5	32	Qo	4.05	6.04	7.26	8.64	10.15	11.78	13.48	15.22
			Pe	3.55	3.98	4.12	4.21	4.33	4.48	4.65	4.85
		38	Qo	3.92	5.81	6.97	8.26	9.69	11.21	12.81	14.41
			Pe	4.54	4.68	4.79	4.92	5.09	5.29	5.53	5.80
		43	Qo	-	-	-	7.92	9.26	10.69	12.17	13.66
			Pe	-	-	-	5.44	5.63	5.86	6.14	6.45
SLE060V.T.A02	6	32	Qo	4.84	7.22	8.68	10.32	12.12	14.07	16.11	18.18
			Pe	4.64	4.80	4.92	5.06	5.23	5.43	5.66	5.93
		38	Qo	4.69	6.95	8.33	9.87	11.57	13.40	15.30	17.22
			Pe	5.31	5.47	5.60	5.76	5.96	6.20	6.48	6.80
		43	Qo	-	-	-	9.46	11.06	12.77	14.54	16.32
			Pe	-	-	-	6.37	6.60	6.87	7.20	7.57
SLE075V.T.A02	7.5	32	Qo	6.01	9.01	10.85	12.93	15.23	17.71	20.32	22.98
			Pe	5.60	5.80	5.94	6.11	6.32	6.57	6.86	7.19
		38	Qo	5.83	8.69	10.44	12.41	14.57	16.91	19.35	21.83
			Pe	6.42	6.62	6.77	6.97	7.22	7.51	7.85	8.25
		43	Qo	-	-	-	11.92	13.96	16.15	18.44	20.74
			Pe	-	-	-	7.72	8.00	8.34	8.74	9.20

*The rating condition is based on a return gas temperature of 5°C.

*Power includes condenser fan.

These models are designed for use with a 220-230V-50Hz-1Ph power supply.

ScrollPak Medium Temperature Series

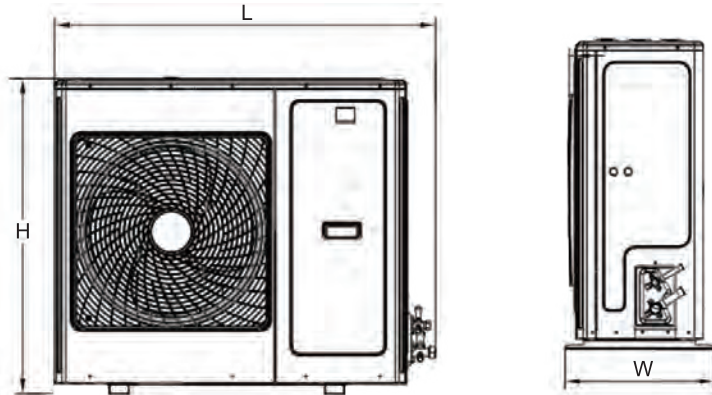
Unit Model	Compressor					Fan Motor				Sound Pressure Level (dB(A))	Receiver (L)	Separator (Liters)	Liquid Line (Inch)	Suction Line (Inch)	Lock Rotor Amps (A)	Max. Operating Current (A)
	Compressor Model	Nominal Power (HP)	Rated Load Amps (A)	Input Power (W)	(V/Ph/Hz)	No. of Fans	Fan Diameter (mm)	Total Fan Motor Rating (W)	Total Fan Motor Current (A)							
SME020.B.A01	ERF15G-B1-NABM	2	2.4	998	380-420V -50Hz-3Ph 380-420V -60Hz-3Ph	1	456	90	0.75	53	4.4	1.8	1/2"	5/8"	22.0	5.5
SME020.T.A01	ERF15G-A1-NABM	2	2.4	998		1	456	90	0.75	53	4.4	1.8	1/2"	5/8"	22.0	5.5
SME030.B.A01	ERF21G-B1-NABM	3	3.6	1331		1	456	90	0.75	53	4.4	1.8	1/2"	5/8"	41.0	7.5
SME030.T.A01	ERF21G-A1-NABM	3	3.6	1331		1	456	90	0.75	53	4.4	1.8	1/2"	5/8"	41.0	7.5
SME040.T.A01	ERF30G-A1-NABM	4	5.2	1814	220-230V -50Hz-1Ph	1	456	90	0.75	53	4.4	1.8	1/2"	5/8"	61.0	10.3
SME050.T.A01	ERF37G-A1-NABM	5	5.5	2141		2	456	180	1.50	56	6.2	1.8	1/2"	5/8"	61.0	12.0
SME060.T.A01	ERF45G-A1-NABM	6	6.5	2624		2	456	180	1.50	56	6.2	1.8	1/2"	5/8"	75.0	14.3
SME070.T.A01	ERF51G-A1-NABM	7	7.2	2914		2	456	180	1.50	56	6.2	1.8	1/2"	5/8"	87.0	17.5

ScrollPak Low Temperature Series

Unit Model	Compressor					Fan Motor				Sound Pressure Level (dB(A))	Receiver (L)	Separator (Liters)	Liquid Line (Inch)	Suction Line (Inch)	Lock Rotor Amps (A)	Max. Operating Current (A)
	Compressor Model	Nominal Power (HP)	Rated Load Amps (A)	Input Power (W)	(V/Ph/Hz)	No. of Fans	Fan Diameter (mm)	Total Fan Motor Rating (W)	Total Fan Motor Current (A)							
SLE025V.B.A02	ELF08G-B1-VEBM	2.5	3.6	1935	380-420V -50Hz-3Ph 380-420V -60Hz-3Ph	1	456	90	0.75	53	4.4	1.8	1/2"	5/8"	41.0	5.4
SLE025V.T.A02	ELF08G-A1-VFBM	2.5	3.6	1935		1	456	90	0.75	53	4.4	1.8	1/2"	5/8"	41.0	5.4
SLE030V.B.A02	ELF09G-B1-VEBM	3	4.1	2176		1	456	90	0.75	53	4.4	1.8	1/2"	5/8"	41.0	6.4
SLE030V.T.A02	ELF09G-A1-VFBM	3	4.1	2176		1	456	90	0.75	53	4.4	1.8	1/2"	5/8"	41.0	6.4
SLE035V.T.A02	ELF12G-A1-VFBM	4	5.0	2691	220-230V -50Hz-1Ph	1	456	90	0.75	53	4.4	1.8	1/2"	5/8"	41.0	8.5
SLE040V.T.A02	ELF13G-A1-VFAM	5	5.6	3001		1	456	90	0.75	53	4.4	1.8	1/2"	5/8"	61.0	9.7
SLE050V.T.A02	ELF17G-A1-VFBM	6	6.3	3367		2	456	180	1.50	56	6.2	1.8	1/2"	5/8"	61.0	11.3
SLE060V.T.A02	ELF20G-A1-VFAM	6	7.4	3991		2	456	180	1.50	56	6.2	1.8	1/2"	5/8"	75.0	13.3
SLE075V.T.A02	ELF23G-A1-VFAM	7.5	9.1	4900		2	456	180	1.50	56	6.2	1.8	1/2"	5/8"	87.0	16.3

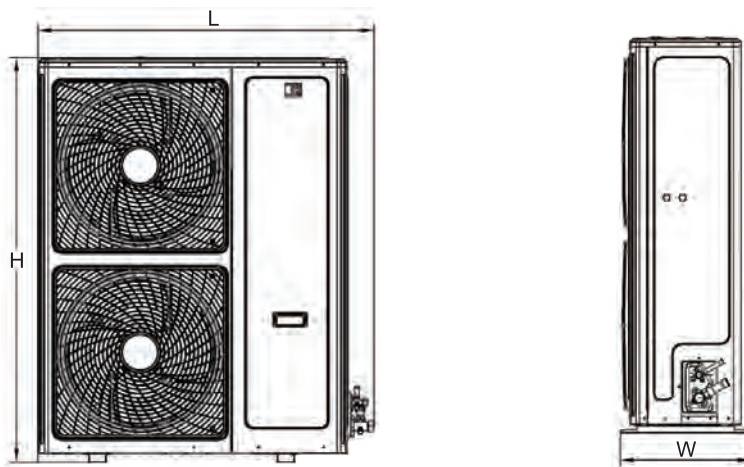


Dimensions



Unit Model	Dimensions (mm)						[Weight] (kg)
	H	W	L	[H]	[W]	[L]	
SME020.B.A01	850	360	960	1100	550	1100	82
SME020.T.A01	850	360	960	1100	550	1100	82
SME030.B.A01	850	360	960	1100	550	1100	87
SME030.T.A01	850	360	960	1100	550	1100	87
SME040.T.A01	850	360	960	1100	550	1100	93
SLE025V.B.A02	850	360	960	1100	550	1100	90
SLE025V.T.A02	850	360	960	1100	550	1100	90
SLE030V.B.A02	850	360	960	1100	550	1100	90
SLE030V.T.A02	850	360	960	1100	550	1100	90
SLE035V.T.A02	850	360	960	1100	550	1100	95
SLE040V.T.A02	850	360	960	1100	550	1100	95

[Packed Dimensions / Weight]



Unit Model	Dimensions (mm)						[Weight] (kg)
	H	W	L	[H]	[W]	[L]	
SME050.T.A01	1250	360	960	1480	550	1100	105
SME060.T.A01	1250	360	960	1480	550	1100	115
SME070.T.A01	1250	360	960	1480	550	1100	120
SLE050V.T.A02	1250	360	960	1480	550	1100	108
SLE060V.T.A02	1250	360	960	1480	550	1100	118
SLE075V.T.A02	1250	360	960	1480	550	1100	128

[Packed Dimensions / Weight]



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