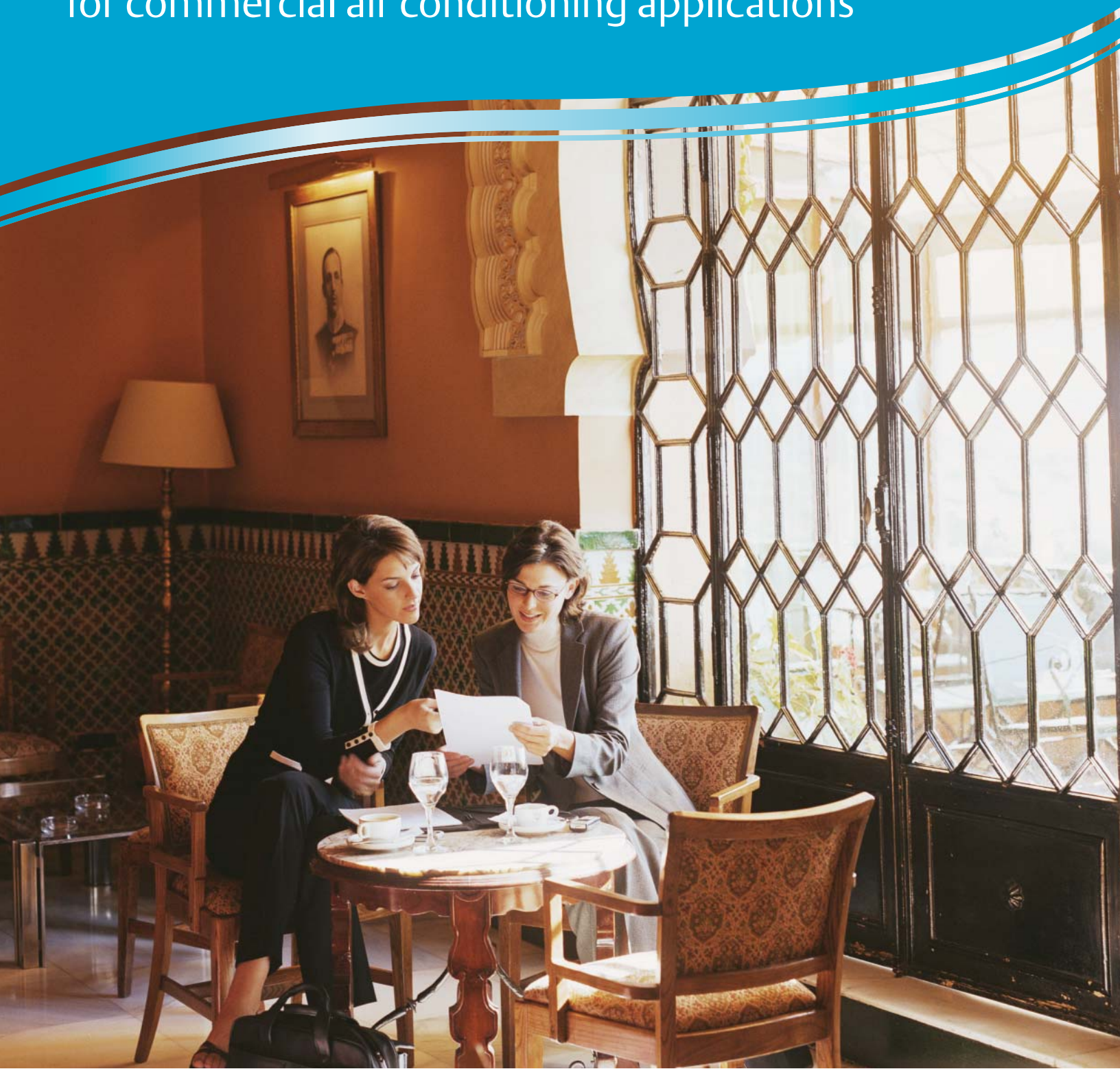


Copeland Scroll® compressors

for commercial air conditioning applications



Setting the standard

Today's commercial air conditioning applications are as varied as the customers you serve. Each one has its own set of challenges and demands, but several requirements remain constant. Your customers deserve innovative technologies that leverage proven reliability methods and offer consistently high performance. Downtime is not an option for their business – and your reputation. When it comes to offering innovative, reliable, high performing compressors, Copeland Scroll® continues to set the industry standard.

Innovation at its finest

Many factors influence system design, ranging from comfort requirements of the conditioned space, to regulatory requirements, to efficiency standards. Raising the technological bar is at the core of our business. Whether you require high efficiency fixed speed compressors, multiple stage compressors, or fully modulating compressors, Copeland Scroll® offers a solution to match your needs.

Peace of mind

Downtime for your customer can damage your reputation and more importantly, theirs. With advanced features such as protection, diagnostics and communication available for Copeland Scroll compressors you can be assured of maximum uptime. With the revolutionary CoreSense™ technology onboard 20-40HP Copeland Scroll compressors, your system controller can be in direct communication with each compressor, allowing you the ability to protect and adjust system

parameters in real time. Or perhaps you need a quick check of the system; our Comfort Alert™ diagnostics use the compressor as a sensor to monitor and analyze system performance allowing the system to detect and protect against potentially damaging conditions.

The ability to modulate

With increased focus on improved comfort and part load energy efficiency, capacity modulation is becoming increasingly important. For systems with higher SEER requirements, the two stage Copeland Scroll UltraTech® compressor can help achieve the optimum SEER level. Perhaps tight control is of the essence and maintaining consistent temperature and humidity levels is critical. Copeland Scroll Digital™ compressors offer full modulation from 10-100% of rated capacity allowing for maximum comfort. In addition to precise temperature and humidity control, Copeland Scroll Digital can also save you up to 30% on energy costs versus traditional methods of modulation.



Copeland Scroll Compressors

- ◆ More than 80 million installations worldwide
- ◆ Over 2 million Copeland Scroll UltraTech and Copeland Scroll Digital compressors installed
- ◆ Over 20 years experience as the leader in scroll compression technology



Quality you can count on

Copeland Scroll compressors bring you – and your customers long lasting reliability and durability. Our patented axial and radial compliance design provides superior liquid and debris handling. And because of our compliant design, Copeland Scroll compressors “wear in”, not out. With our compressors, you can count on years of dependable performance, even under the most rugged conditions.

Unparalleled performance and flexibility

Copeland Scroll compressors deliver performance advantages and a product offering that is unmatched in the industry. Optimized for the commercial air conditioning market, our products offer high efficiency levels for full load and part load conditions – take your pick. From standard rooftops, splits and chillers to specialty systems like pool heaters and computer room cooling, we have a compressor that is just right for the job.



R-410A Copeland Scroll® models

Single				Tandems			
Capacity (HP)	Model	Capacity (HP)	Model	Capacity (HP)	Model	Capacity (HP)	Model
1.7	ZP20K5E	4.5	ZP54K5E	7	ZPT88K5E	25	ZPU302KCE
1.9	ZP21K5E	4.8	ZP57K5E	8	ZPT98K5E	26	ZPT308KCE
2	ZP24K5E	5	ZP61K5E	9	ZPT108K5E	27	ZPU319KCE
2.1	ZP25K5E	5.5	ZP67KCE	9.5	ZPT114KCE	28	ZPU336KCE
2.3	ZP28K5E	6	ZP72KCE	10	ZPT122KCE	30	ZPT364KCE
2.4	ZP29K5E	7	ZP83KCE	11	ZPT134KCE	35	ZPU417KCE
2.6	ZP31K5E	7.5	ZP91KC3	12	ZPT144KCE	40	ZPT470KCE
2.8	ZP34K5E	9	ZP103KCE	14	ZPT166KCE	50	ZPT590KCE
3	ZP36K5E	10	ZP120KCE	15	ZPT182KCE	55	ZPU680KCE
3.2	ZP38K5E	12	ZP137KCE	18	ZPT206KCE	64	ZPT770KCE
3.3	ZP39K5E	13	ZP154KCE	19	ZPU223KCE		
3.5	ZP42K5E	15	ZP182KCE	20	ZPT240KCE		
3.7	ZP44K5E	20	ZP235KCE	21	ZPU240KCE		
4	ZP49K5E	25	ZP295KCE	22	ZPU257KCE		
4.3	ZP51K5E	30	ZP385KCE	23	ZPU274KCE		
		40	ZP485KCE	24	ZPT274KCE		

R-410A Copeland Scroll Digital™ models

Single		Tandems	
Capacity (HP)	Model	Capacity (HP)	Model
2.8	ZPD34		
3.5	ZPD42		
4.3	ZPD51		
4.5	ZPD54		
5	ZPD61	10	ZPDT12M
6	ZPD72	12	ZPDT14M
7	ZPD83	14	ZPDT16M
9	ZPD103	18	ZPDT21M
10	ZPD120	20	ZPDT24M
12	ZPD137	24	ZPDT27M
13	ZPD154	26	ZPDT31M
15	ZPD182	30	ZPDT36M

Copeland Scroll compressor nomenclature

Z	P	S	3	0	K	5	E	—	P	F	V	—	1	3	0
Z scroll family series	AC, R-410A	S = UltraTech® D = Digital T = Tandem (even) U = Uneven Tandem	Nominal Capacity at Rating Condition	Capacity Multiplier K = 1,000 M = 10,000	Model Variation 4, 5, C	Oil type E = POE Oil = AK/DA or 3MA			P = Single Phase Motor T = Three Phase Motor	F = Internal Inherent Protection W = External Protection Module E = CoreSense Module	Code 60 Hz. 50 Hz. D 460-3 380-420-3 5 200-230-3 200-220-3 E 575-3 — 7 380-3 — V 208-230-1 200-1* J 265-1 220-240-1 *only on some A/C scroll models				Bill of Material Product Variation

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