



50 Hz

SCROLL COMPRESSOR SPIRION SERIES

product launch 

2 ⇌ 13 HP



more powerful & complete portfolio than ever



extended capacity range

up to 13 HP powering
higher capacities across
demanding applications



reinforced portfolio

full range of compressors,
condensing units,
unit coolers for
commercial refrigeration



eco-friendly

high-efficiency motor for
energy savings, available
with R290 refrigerant

REFRIGERANTS



APPLICATIONS

logistic warehouse
chiller
cold room
supermarket island
remote system

TECHNOLOGIES





empowering precision that outperforms.

driven by a more audacious and dynamic vision,
we've set scroll technology in motion with high performance
and precision, expanding our commercial compressor portfolio.

2 HP **CURRENT PORTFOLIO** 7 HP

2 HP

SCROLL SPIRION PORTFOLIO

13 HP

commercial refrigeration



complete range
of commercial refrigeration
compressors,
ready to pair with our
condensing units & unit coolers





COOLING PERFORMANCE

LOW BACK PRESSURE WITH LIQUID INJECTION (LBP)

R-404A / R-452A / R-448A / R-449A

model	disp. (cm ³)	HP	motor	voltage & frequency	refrigerant	ENI2900 Cond 40°C / RG 20°C / Subcooling 0K						
						evaporating temperature (°C)						
						-40	-35	-30	-25	-20	-15	-10
VSG510Z	33.3	2	TRI / CSR	220-240V 50Hz 1~ 380-420V 50Hz 3~ 460V 60Hz 3~	R-404A	1 010	1 265	1 580	1 950	2 390	2 890	3 460
VSG512Z	42	2.5	TRI / CSR			1 285	1 615	2 015	2 490	3 050	3 690	4 420
VSG514Z	46.6	3	TRI / CSR			1 521	1 905	2 355	2 890	3 530	4 285	5 175
VSG516Z	50.6	3	TRI	1 695		2 180	2 700	3 270	3 940	4 745	5 710	
VSG522Z	63.9	4	TRI	2 141		2 756	3 406	4 133	4 980	5 992	7 209	
VSG529Z	84.5	5	TRI	2 830		3 645	4 505	5 465	6 585	7 920	9 530	
VSG532Z	98.9	6	TRI	3 315		4 265	5 270	6 396	7 710	9 270	11 160	
VSG538Z	123	8	TRI	4 070		5 110	6 370	7 880	9 640	11 675	14 000	
VSG546Z	145.4	9	TRI	4 770		5 990	7 475	9 240	11 310	13 700	16 425	
VSG552Z	167.2	10	TRI	5 540		6 950	8 670	10 720	13 120	15 890	19 050	
VSG560Z	189.1	12	TRI	6 125		7 740	9 700	12 040	14 780	17 940	21 550	

HIGH BACK PRESSURE (HBP)

R-404A / R-452A / R-448A / R-449A

model	disp. (cm ³)	HP	motor	voltage & frequency	refrigerant	ENI2900 Cond 45°C / RG 20°C / Subcooling 0K						
						evaporating temperature (°C)						
						-20	-15	-10	-5	0	5	10
VS4553Z	63.9	4	TRI	380-420V 50Hz 3~ 460V 60Hz 3~	R-404A	4 360	5 310	6 380	7 600	8 995	10 595	12 426
VS4568Z	84.5	5				5 900	7 170	8 630	10 310	12 240	14 450	16 960
VS4573Z	99	6				7 130	8 620	10 330	12 310	14 580	17 175	20 130
VS4581Z	108	7				7 900	9 570	11 500	13 710	16 260	19 180	22 490

HIGH BACK PRESSURE (HBP)

R-455A / R-454C / R-404A / R-452A / R-448A / R-449A

model	disp. (cm ³)	HP	motor	voltage & frequency	refrigerant	ENI2900 Cond 45°C / RG 20°C / Subcooling 0K						
						evaporating temperature (°C)						
						-20	-15	-10	-5	0	5	10
VS4550P	58	3.5	TRI	380~420V 50Hz 3~ 460V 60Hz 3~	R-455A	3 700	4 635	5 720	6 975	8 430	10 120	12 065
					R-454C	3 330	4 172	5 148	6 278	7 587	9 108	10 859
VS4559P	67.8	4			R-455A	4 360	5 470	6 750	8 235	9 955	11 950	14 245
					R-454C	3 924	4 923	6 075	7 412	8 960	10 755	12 821
VS4571P	83.3	5			R-455A	5 310	6 655	8 210	10 015	12 110	14 530	17 330
					R-454C	4 780	5 990	7 390	9 015	10 899	13 077	15 597
VS4584P	98.3	6			R-455A	6 250	7 840	9 675	11 800	14 265	17 120	20 415
					R-454C	5 625	7 056	8 708	10 620	12 839	15 408	18 374
VS4593P	108	6.5			R-455A	6 880	8 630	10 645	12 985	15 700	18 840	22 465
					R-454C	6 192	7 767	9 581	11 687	14 130	16 956	20 219
VS4598P	115.5	7			R-455A	7 358	9 229	11 384	13 887	16 790	20 148	24 025
					R-454C	6 689	8 390	10 349	12 624	15 264	18 317	21 841
VS4610P	123	8			R-455A	7 836	9 829	12 123	14 788	17 881	21 457	25 585
					R-454C	7 052	8 846	10 911	13 310	16 093	19 311	23 027



COOLING PERFORMANCE

HIGH BACK PRESSURE (HBP)

R-455A / R-454C / R-404A / R-452A / R-448A / R-449A

model	disp. (cm³)	HP	motor	voltage & frequency	refrigerant	EN12900 Cond 45°C / RG 20°C / Subcooling 0K						
						evaporating temperature (°C)						
						-20	-15	-10	-5	0	5	10
VS4613P	145.4	9	TRI	380~420V 50Hz 3~ 460V 60Hz 3~	R-455A	9 263	11 619	14 331	17 482	21 137	25 364	30 245
					R-454C	8 336	10 457	12 898	15 733	19 023	22 828	27 220
VS4614P	167.2	10			R-455A	10 651	13 361	16 480	20 103	24 306	29 167	34 779
					R-454C	9 586	12 024	14 832	18 092	21 875	26 250	31 301
VS4615P	189.1	12			R-455A	12 046	15 110	18 639	22 736	27 490	32 987	39 335
					R-454C	10 842	13 599	16 775	20 462	24 741	29 689	35 401
VS4616P	197.1	13			R-455A	12 556	15 750	19 427	23 698	28 653	34 383	40 999
					R-454C	11 300	14 175	17 484	21 328	25 787	30 945	36 899

HIGH BACK PRESSURE (HBP)

R-290

model	disp. (cm ³)	HP	motor	voltage & frequency	refrigerant	EN12900 Cond 45°C / RG 20°C / Subcooling 0K						
						evaporating temperature (°C)						
						-20	-15	-10	-5	0	5	10
VS4522U	33.3	2	TRI	380~420V 50Hz 3~ 460V 60Hz 3~	R-290	2 032	2 458	2 954	3 522	4 169	4 899	5 718
VS4527U	42	2.5				2 530	3 061	3 677	4 385	5 191	6 100	7 119
VS4530U	46.6	3				2 834	3 428	4 119	4 912	5 814	6 832	7 973
VS4538U	58	3.5				3 626	4 387	5 270	6 285	7 439	8 742	10 202
VS4544U	67.8	4				4 166	5 040	6 055	7 220	8 546	10 043	11 721
VS4555U	83.3	5				5 165	6 249	7 508	8 953	10 598	12 454	14 534
VS4564U	98.3	6				5 992	7 249	8 709	10 385	12 293	14 447	16 859
VS4572U	108	7				6 771	8 191	9 841	11 736	13 891	16 325	19 051



**empowering
precision
that
outperforms.**

SPIRION SERIES
NOW AVAILABLE FOR DEMANDING
COMMERCIAL APPLICATIONS

Preliminary data subject to change without notice.

TO FIND OUT MORE INFORMATION

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