

Air Cooled Scroll Chillers



چیلر هواخنک اسکرال

◀ ظرفیت برودتی از ۴۰ تا ۱۵۰ تن تبرید

◀ کمپرسور اسکرال Danfoss

◀ اواپراتور Shell and Tube

◀ کندانسور هوایی V-Type

◀ فن کندانسور Ziehl-Abegg یا EBM آلمان با پره‌های آیرودینامیکی جهت کاهش صدای تولیدی

◀ شیر انبساط الکترونیکی Carel ایتالیا یا ترموستاتیکی Danfoss

◀ تابلو برق PLC Carel ایتالیا به همراه قطعات الکترونیکی Schneider و Telemecanique

◀ شیرآلات و متعلقات Castal ایتالیا و Danfoss

◀ گاز مبرد R407C



Model		AR-140AL2	AR-175AL2	AR-210AL2	AR-280AL4	
Power supply	V/Ph/Hz	380~415/3/50	380~415/3/50	380~415/3/50	380~415/3/50	
Cooling	Capacity	kW	110	135	167	220
		Btu/hr	375000	461000	569000	750000
	Input	kW	38.1	47.08	55.78	76.02
	EER		2.89	2.87	2.99	2.89
Max. running current	A	67.6	84.5	96	135	
Compressor	Type	Scroll	Scroll	Scroll	Scroll	
	Quantity	Pieces	2	2	2	4
	Brand		Danfoss	Danfoss	Danfoss	Danfoss
Air side heat exchanger	Type	Fin Coil	Fin Coil	Fin Coil	Fin Coil	
	Quantity of fan	Pieces	3	4	4	6
	Air flow	m ³ /h	54000	72000	72000	108000
Water side heat exchanger	Type	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	
	Pressure drop	kPa	57.2	66	45.12	41.6
	Volume	L	22	26	37	47
Refrigerant	Water flow	m ³ /h	21	25	31.2	39.8
	Type		R407C	R407C	R407C	R407C
	Refrigerant control		Thermostatic	Thermostatic	Thermostatic	Electronic
Unit dimension	Width	mm	1280	2540	2540	2540
	Height	mm	2720	2720	2720	2720
	Depth	mm	4880	3680	3680	4880
Weight	Net weight	kg	1850	1950	2890	3620
	Operating weight	kg	1870	1970	1920	2930
Pipe connection	Water inlet/outlet	mm	DN 75	DN 75	DN 75	DN 100
		inch	3"	3"	3"	4"
Controller		PLC	PLC	PLC	PLC	
Ambient temperature range	°C	-10~45	-10~45	-10~45	-10~45	
Water outlet temperature range	°C	7~12	7~12	7~12	7~12	

Features



Scroll Compressor

Scroll compressor with smooth, quiet and energy-efficient operation covers the entire spectrum of applications.



Shell & Tube Evaporator

Shell & Tube evaporators have less pressure drop and lower probability of fouling and scaling.



Thermostatic Expansion Valve

Thermostatic expansion valve allows keeping a constant refrigerant level at varying load situations to save energy.



Electronic Expansion Valve

Electronic expansion valve ensures reliability over time, very precise control and perfect refrigerant tightness.



AC Axial Fan

Axial fan system with optimized design enables high pressures, ideal efficiencies and low noise emissions.



IP54 Protection

IP54 protection provides protection against dust and splashing water to ensure reliability over time and long lifetime.

Model		AR-350AL4	AR-420AL4	AR-525AL6	AR-630AL6	
Power supply	V/Ph/Hz	380~415/3/50	380~415/3/50	380~415/3/50	380~415/3/50	
Cooling	Capacity	kW	270	333	390	500
		Btu/hr	922000	1138000	1330000	1707000
	Input	kW	90.26	111.56	133.02	167.34
	EER		2.99	2.99	2.93	2.99
Max. running current	A	161	192	237.4	272.46	
Compressor	Type	Scroll	Scroll	Scroll	Scroll	
	Quantity	Pieces	4	4	6	6
	Brand		Danfoss	Danfoss	Danfoss	Danfoss
Air side heat exchanger	Type	Fin Coil	Fin Coil	Fin Coil	Fin Coil	
	Quantity of fan	Pieces	6	8	8	10
	Air flow	m ³ /h	108000	144000	144000	180000
Water side heat exchanger	Type	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	
	Pressure drop	kPa	43.1	42	43.1	45.12
	Volume	L	56	79	90	118
	Water flow	m ³ /h	48.7	56	73	93.6
Refrigerant	Type	R407C	R407C	R407C	R407C	
	Refrigerant control		Electronic	Electronic	Electronic	Electronic
Unit dimension	Width	mm	2540	2540	2540	2540
	Height	mm	2720	2720	2720	2720
	Depth	mm	4880	6080	6080	7280
Weight	Net weight	kg	3710	4930	5560	7240
	Operating weight	kg	3680	4990	5700	7360
Pipe connection	Water inlet/outlet	mm	DN 100	DN 125	DN 150	DN 150
		inch	4"	5"	6"	6"
Controller		PLC	PLC	PLC	PLC	
Ambient temperature range	°C	-10~45	-10~45	-10~45	-10~45	
Water outlet temperature range	°C	7~12	7~12	7~12	7~12	

نگاه نو، نفس تازه ...!

شرکت آر شه کار

تهران، خیابان قائم مقام فرهادی، میدان شعاع، کوچه شیوا، پلاک ۲

تلفن تماس: ۰۲۱ - ۸۹ ۳۵۵

www.arentahvieh.com

۰۲۱ - ۸۸ ۱۴ ۱۶ ۱۶

www.arshehkar.com