



Fluid-Cooled Chillers

Laboratory mini chillers 300 to 18000 watt

Model : APMC & APMO

Condenser cooling chillers 18 to 120 kw

Model : AIC

Compatible & Special Chillers 1 to 100 kw

Model : ACC & ACO

Ultra Low Chillers 300 to 40000 watt

Model : AUCC & AUCO

چیلر های خنک کننده سیال

مینی چیلر های آزمایشگاهی با توان ۳۰۰ الی ۱۸۰۰۰ وات

مدل : APMC & APMO

چیلر های مخصوص خنک کاری کندانسور با توان ۱۸ الی ۱۲۰ کیلو وات

مدل : AIC

چیلر های فوق فشرده و مخصوص با توان ۱ الی ۱۰۰ کیلو وات

مدل : ACC & ACO

چیلر های دما پایین (-۷۰) با توان ۳۰۰ الی ۴۰۰۰۰ وات

مدل : AUCC & AUCO

**ARYA SARMAYESH KNOWLEDGE BASE CO AXC SERIES ONLY FOR CLOSE LOOP OUTPUT
ULTRA LOW TEMPERATURE CHILLER/HEATER**

Type		AXC 80-70-0.9-35	AXC 80-70-1.7-20	AXC 80-70-2.2-35	AXC 80-70-7-70
Stainless Steel Reservoir	L	15	20	35	70
Performance for temperature tests					
Recirculating Fluid					
Syltherm HF or XLT					
Fluid Setpoint Range 1)	°C	-70 ~ +80			
Temperature Stability		± 0.2 to ± 1.0			
Net Cooling Capacities 2)					
Heat compensation at -30 °C	W	2940	4962	7266	19530
Heat compensation at -40 °C	W	2310	3912	5610	15540
Heat compensation at -50 °C	W	1764	3036	4224	12120
Heat compensation at -60 °C	W	1308	2298	3078	9252
Heat compensation at -70 °C	W	918	1698	2136	6858
Nominal Heating Capacity	W	1000	1500	2*1300	6*1300
Outlet pipe dimensions	Ø inch	3/4	1,1/4	1,1/2	2
Inlet pipe dimensions	Ø inch	3/4	1,1/4	1,1/2	2
Specifications of fluid circulator pump					
Brand		EBURA	EBURA	EBURA	EBURA
Pump Q min/max	m ³ /h	1.2 / 5.4	1.2 / 5.4	1.2 / 5.4	3 / 9.6
Pump H max/min	m	20.7 / 15	20.7 / 15	20.7 / 15	29.5 / 19.5
Pump Current/Voltage	A/V	1.4 / 380	1.4 / 380	1.4 / 380	3.0 / 380
Pump model		CDX 70-05	CDX 70-05	CDX 70-05	CDX 120-12
External dimensions					
	Width mm	1612	1612	1612	3700
	Depth mm	1304	1304	1304	1504
	Height mm	2700	2700	2700	2700
Condensing unit					
		Air cooled	Air cooled	Air cooled	Air cooled
Fan quantity	No	2	2	2	4
Fan diameter	mmØ	500	500	500	630
Air flow	m ³ /h	2*7200	2*7200	2*7200	4*10200
coil Area	m ²	38.61	46.53	58.16	190.48
Circuit volume	dm ³	10.38235968	12.54535128	15.6816891	50.4804069
Inter cooler heat exchanger					
Primary stage compressor type		4EES-4Y	4CES-6Y	4PES-12Y	6GE-34Y
primary stage compressor Capacity 3)	W	18810	27150	40000	105200
Second stage compressor type		2DES-2Y	4EES-4Y	4VES-7Y	4GE-23Y
Second stage compressor Capacity 4)	W	918	1698	2490	6858
Voltage		380 VAC+N+PE	380 VAC+N+PE	380 VAC+N+PE	380 VAC+N+PE
Chiller max Current	A	18.69	25.81	33.76	94.87
Sound pressure level 2)	db(A)	<81	<81	<81	<85
Rated power	kW	12.29	16.97	22.2	62.37

Performance values refer to +30 °C ambient temperature .

- 1) With a temperature range of -70°C to +80°C standard (-70°C to +150°C available)
- 2) With tank full of fluid & loop outlet to inlet & started at +25 °C
- 3) According to (EN 12900/COP) at 0 °C
- 4) According to (EN 12900/COP) at -40 °C * 0.6
- 5) Measured in 1 m distance from the front and in 1.6 m height at free field measurement according to EN ISO 11201 .

