
AIR COOLED

Catalog Supplement



ASP-20 Heat Pump

-Append to Multistack Catalog "Packaged Air Cooled Product Data Catalog"



The Leader in Modular Chillers

F145

Cooling Performance Table									
Single Module ASP20			Entering Condenser Air Temperature						
Leaving Chilled Water °F	85°F			95°F			105°F		
	Tons	KW	EER	Tons	KW	EER	Tons	KW	EER
40	18.9	18.4	12.3	17.7	20.7	10.2	16.5	23.4	8.4
42	19.6	18.4	12.8	18.4	20.8	10.6	17.2	23.4	8.8
44	20.4	18.4	13.3	19.2	20.8	11.1	17.9	23.5	9.1
45	20.7	18.4	13.5	19.5	20.8	11.3	18.3	23.5	9.3
46	21.2	18.4	13.8	19.9	20.8	11.5	18.6	23.5	9.5
48	22	18.4	14.3	20.7	20.8	11.9	19.4	23.6	9.9
50	22.8	18.5	14.8	21.5	20.8	12.4	20.2	23.6	10.3

All performance data is based on a 10°F chilled water temperature drop through the evaporator. For total chiller performance, multiply above outputs (Tons) and input (KW) by the number of modules. For selection procedure see selection example on page 7 of “Packaged Air Cooled Product Data Catalog”.

Leaving hot water temp.	Heating Performance Table																				
	ASP 20		Entering Source Air Temperature																		
	0°F			10°F			20°F			30°F			40°F			50°F			60°F		
	MBH	KW	COP	MBH	KW	COP	MBH	KW	COP	MBH	KW	COP	MBH	KW	COP	MBH	KW	COP	MBH	KW	COP
80	116.5	13.5	2.52	134.4	13.6	2.9	161.5	13.7	3.45	187.2	13.8	3.98	224.1	14.1	4.66	253.5	14.1	5.27	283.7	14.2	5.86
90	124.6	14.9	2.45	140.3	15.1	2.72	164.7	15.3	3.15	188.1	15.4	3.58	222.4	15.6	4.18	249.8	15.7	4.66	280.3	15.8	5.26
100				144.4	16.9	2.5	166.4	17.2	2.84	188	17.3	3.19	220.1	17.4	3.71	246.1	17.5	4.12	275	17.6	4.58
105							166.9	18.2	2.69	187.7	18.3	3.01	218.8	18.4	3.49	244.1	18.5	3.87	272.3	18.6	4.29
110							167	19.2	2.56	187.1	19.3	2.84	217.4	19.6	3.25	242.1	19.7	3.6	269.8	19.8	3.99
115							167	20.3	2.41	186.5	20.6	2.65	215.9	20.7	3.06	240	20.9	3.37	267.1	21	3.73
120										185.6	21.7	2.51	214.4	22	2.86	238	22.2	3.14	264.6	22.3	3.48
125										184.8	23.1	2.34	212.9	23.3	2.68	236.1	23.4	2.96	262.1	23.6	3.26
130													211.4	24.7	2.51	234.1	24.9	2.76	259.8	25.1	3.05
135													211.3	24.9	2.49	232.2	25.3	2.69	259.5	26.5	2.87
140																230.4	27.9	2.42	255.3	28.1	2.66

All performance data is based on a 10°F hot water temperature rise through the condenser. For total chiller performance, multiply above outputs (Tons) and input (KW) by the number of modules. For selection procedure see selection example on page 7 of “Packaged Air Cooled Product Data Catalog”.

System Wire & Fuse Sizing Specifications

Number of Compressors	3 phase RLA/Compressor	
	2(tandem pr)	208/60/3
2(tandem pr)	230/60/3	39.0
2(tandem pr)	460/60/3	19.5
2(tandem pr)	575/60/3	15.5
Number of Fan Motors	FLA per Fan Motor	
	3 phase	1 phase
	208-230/460V	575V
2	3.6-3.4/1.7	1.4

Note: For wire sizing and fuse sizing see page 10 of “Packaged Air Cooled Product Data Catalog”

General Data Table

Model	ASP-20HP
Compressor Type	Scroll
Weight (lbs. each)	141
Nominal Capacity (each)	10
Quantity	2(tandem pr.)
Oil Charge (pints)	7
Evaporator	Brazed Plate
Weight (lbs. each)	90.3
Evap Water Storage (gal. each)	2.2
Quantity	1
Header Storage (gallons)	3.3
Refrigerant Type	R-22
Number of Circuits	1
Condenser Fans	Totally Enclosed
HP	1
Quantity	2
Fan Type	Axial
Fan Material	Composite
Air Flow (cfm)(per module)	8,500
Condenser Coils	
Fin Material	Aluminum
Tube Material	Copper
Tube Diameter (in.)	3/8
Number of Rows	6
Coil	30 x 49/2
Dimensions/Quantity	
Receiver Capacity (lbs.)	0
Module Dry Weight (lbs.)	1,500

