

# AirPAK 180 Series

## Industrial duty wall-mounted HVAC

with numerous options

15 ton :: 52.75 kW

### Features and Benefits

#### Built for critical applications

- Two-stages of cooling allows for more precise cooling as well as a 50% refrigeration backup in the event of a leak or component failure
- All-in-one design to allow a single point of connection
- 16-gauge cabinet construction for use in rugged, industrial applications
- Design allows improved maintenance and spare parts availability
- Form-C dry contacts for alarm outputs allow remote monitoring
- TEFC-rated backwardly inclined impeller evaporator fans, and axial impeller condenser fans
- Hermetically sealed scroll compressors
- UL 508A Listed electrical panels for safety
- Fully CSA certified to UL 1995 standards
- Industry standard voltage configurations, including: 480V 3ph 60Hz; 575V 3ph 60Hz; 380V 3ph 50Hz

### Options and Accessories

- Electric heat from 10 kW – 20kW
- Corrosion resistant coil coatings
- Corrosion resistant condenser section
- Low ambient controls, down to -70°F (-55°C)
- Multiple unit control

### Engineered to withstand the demanding environmental conditions of your industry

AirPAK wall-mounted air conditioning units are specifically designed for use in non-hazardous (classified) commercial/industrial applications and are available in capacities from 5 to 20 tons. While similar in configuration to other wall-mount units, the Specific Systems AirPAK line was designed for demanding use in heavy-duty commercial/industrial applications such as telecommunications, instrumentation, control, and electrical powerhouse assemblies. AirPAKs feature standard dual refrigeration circuits, hot-gas bypass and heavy duty industrial cabinetry — which are options or heavy modifications on competitive units.

Modular design throughout the AirPAK line allows easy production modifications of the basic unit to include additional special features such as stainless steel or aluminum cabinetry, a low ambient package, or special options designed for use in highly corrosive atmospheres.

The AirPAK's to-the-wall design allows for minimal intrusion with regards to interior wall space. Only two small holes need to be cut through the mounting wall. The sleeves are then inserted and the return and supply air grills mounted onto the sleeves.

Starting with our time-proven industrial DX air conditioning system, you can include many options, including those listed at left. This all-in-one design allows quicker and more efficient integration into your structure. Form-C dry contacts for alarm outputs are standard, with full remote controls available through an optional BacNet or LonWorks compatible PLC.



# AirPak 180 Series

- Electrical Data
- Capacity Data
- Preliminary Dimensions

## Total Cap. @ 60Hz, 80 DB / 67 WB Entering Evap.

75°F (24°C)	85°F (29°C)	95°F (35°C)	110°F (43°C)	120°F (49°C)
217900	207500	197100	180100	168500
63.9 kW	60.8 kW	57.7 kW	52.8 kW	49.4 kW

## Sensible Cap. @ 60Hz, 80 DB / 67 WB Entering Evap.

150300	145900	142000	135000	130900
44.0 kW	42.7 kW	41.6 kW	39.5 kW	38.4 kW

## Total Cap. @ 60Hz, 80 DB / 61.8 WB Entering Evap.

198800	189400	180300	166400	157300
58.2 kW	55.5 kW	52.8 kW	48.8 kW	46.1 kW

## Sensible Cap. @ 60Hz, 80 DB / 61.8 WB Entering Evap.

186200	181200	176100	166400	157300
54.5 kW	53.1 kW	51.6 kW	48.8 kW	46.1 kW

CFM @ 0.50" S.P.		Nominal Capacity	
60Hz	50Hz	60 Hz	50 Hz
8000	6667	180000	150000



- Dimensions shown are representative of our standard AirPak to-the-wall HVAC system
- All dimensions should be considered preliminary, and this should not be used as a final construction document
- Clearances are provided as standard for maintenance. Any required clearances should be confirmed with local regulations or statutes for electrical systems
- Electrical and capacity data provided in this document is accurate at the time of publishing, but Specific Systems reserves the right to modify components in future systems, thereby negating the accuracy of these numbers.
- Please verify all data with your sales representative and subsequent project engineer

Electric Power		460/480 3Φ-60Hz	415V 3Φ-50Hz	380V 3Φ-50Hz	575V 3Φ-60Hz
Evaporator Fan Motor FLA		4.65 (9.3)	4.0 (8.0)	4.0 (8.0)	3.72 (7.44)
Condensor Motor FLA		4.0 (8.0)	3.5 (7.0)	3.5 (7.0)	3.2 (6.4)
Compressor Motor RLA		14.7	14.7	14.7	12.2
Heat 40KW, Amps (Actual KW)		50.0 (41.6)	—	—	41.8 (41.6)
Heat 30KW, Amps (Actual KW)		37.0 (30.8)	43.2 (31.1)	43.2 (31.3)	31.0 (30.8)
Heat 20KW, Amps (Actual KW)		26.0 (21.6)	28.0 (19.4)	28.0 (19.4)	21.6 (21.6)
Heat 10KW, Amps (Actual KW)		13.0 (10.8)	14.0 (9.7)	14.0 (9.7)	10.8 (10.8)
Total Cooling FLA		48.2	45.9	45.9	39.7
40 KW Heat	MCA	76.0	—	—	63.4
	MOP	80.0	—	—	70.0
30 KW Heat	MCA	59.8	68.0	68.0	49.8
	MOP	60.0	70.0	70.0	50.0
10-20 KW Heat	MCA	51.9	46.6	46.6	42.8
	MOP	60.0	60.0	60.0	50.0
Operating Range		432V-506V	342V-418V	373V-456V	517V-600V