

InPac 14000 Series

Fully configurable severe duty and explosion proof
HVAC and building pressurization systems
25–30 ton :: 87.9 to 105.5 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
- Modular design allows improved maintenance and spare parts availability
- Form-C dry contacts for alarm outputs allow remote monitoring
- Standard motors are totally-enclosed and rated for Class 1 Div 2
- UL 508A Listed electrical panels for safety
- Fully CSA certified to UL 1995 (general purpose) and 1203 (hazloc) standards
- Industry standard voltage configurations, including: 480V 3ph 60Hz; 575V 3ph 60Hz; 380V 3ph 50Hz

Options and Accessories

- Built in NFPA-496 compliant building purge & pressurization
- Chemical and/or high efficiency particulate filtration
- Electric heat from 10 kW – 40kW
- Air quality monitoring for explosive, toxic, or corrosive gases
- Corrosion resistant coil coatings
- Corrosion resistant condenser section
- Low ambient controls, down to -70°F (-55°C)
- Fresh air stack packages
- Multiple unit control

Designed to allow full environmental control of your building.

Specific Systems InPac units are engineered and proven to stand up to the rigors and harsh conditions of corrosive and hazardous environments. The InPac line is built to demanding industrial and military specifications and features corrosion resistant coatings and inherent redundancy.

Our InPac units are engineered from the ground up to make your job easier. In fact, our modular design eliminates the need for the integration of systems from multiple vendors. Instead, using a Specific Systems InPac HVAC allows for a single point of connection to perform all of the functions otherwise requiring multiple types of units.

InPac systems are custom-engineered and built-to-order for each customer using a time-proven assembly method. Standard unit cabinets are manufactured of 16-gauge galvanized steel with all-welded construction. The completed cabinet is painted with a finish to help fight corrosion. Standard fan module consists of a motor and direct drive blowers. If any auxiliary (stand-by) fan is needed, it can be provided along with the necessary controls to automatically purge and pressurize the building. The auxiliary fan serves secondarily as a redundant fan should a failure occur to the primary fan.

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.

InPac 14000 Series

- Electrical Data
- Capacity Data
- Preliminary Dimensions

Model	CFM @ 0.50" S.P.		Nominal Capacity	
	60Hz	50Hz	60 Hz	50 Hz
14300	8370	6975	300000	250000
14360	11650	9700	360000	300000

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

Model	75°F	85°F	95°F	110°F	120°F
	(24°C)	(29°C)	(35°C)	(43°C)	(49°C)
14300	358900	342000	325300	298900	280900
(kW)	105.2	100.2	95.3	87.6	82.3
14360	403000	384800	365500	335500	313700
(kW)	118.1	112.8	107.1	98.3	91.9

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

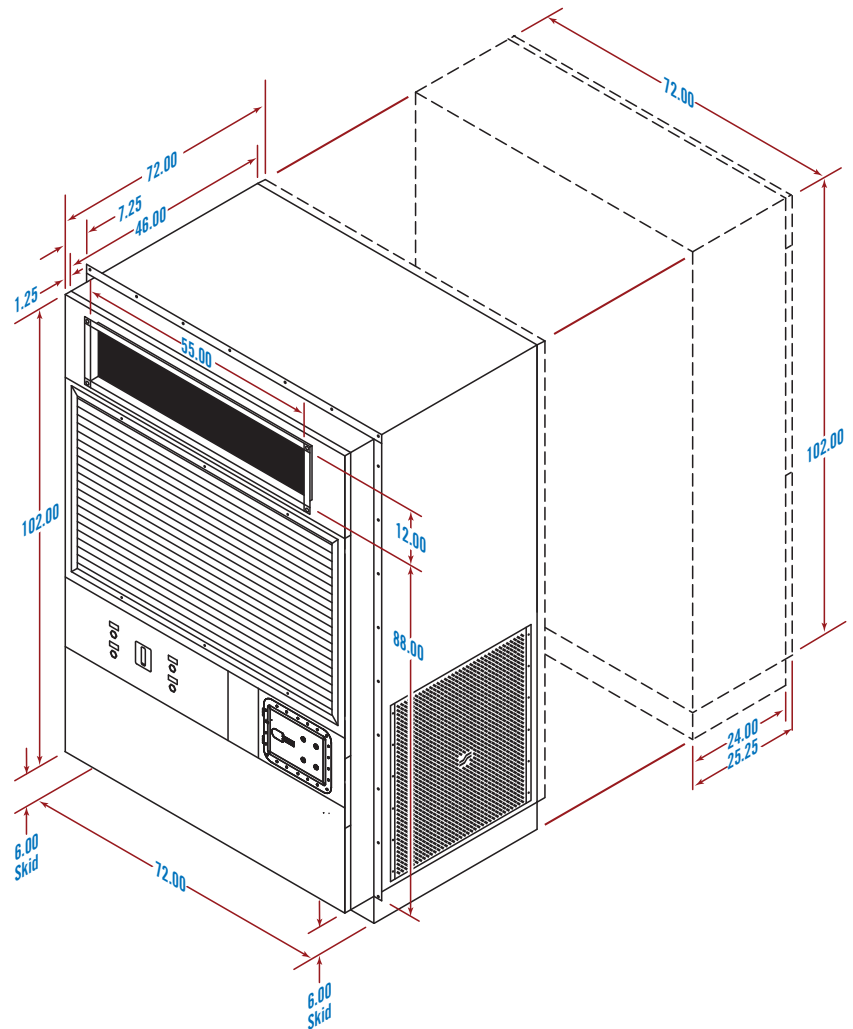
14300	254800	247100	240400	229700	223700
(kW)	74.7	72.4	70.5	67.3	65.5
14360	289200	283000	274500	262800	254100
(kW)	84.7	82.9	80.4	77.0	74.5

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

14300	332700	317600	302400	279200	262200
(kW)	94.5	93.0	88.6	81.8	76.8
14360	375000	357000	339700	315300	294600
(kW)	109.9	104.6	99.6	92.4	86.3

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

14300	309800	302700	295600	279200	262200
(kW)	90.8	88.7	86.6	81.8	76.8
14360	354600	345100	333400	315300	294500
(kW)	103.9	101.1	97.7	92.4	86.3



- Dimensions shown are representative of our Class 1 Div 2 vertical, through-the-wall HVAC and pressurization system
- All dimensions should be considered preliminary, and this drawing 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

MODEL 14300		460/480V	230/240V	415V	380V	200V	575V
Electric Power		3Φ-60Hz	3Φ-60Hz	3Φ-50Hz	3Φ-50Hz	3Φ-50Hz	3Φ-60Hz
Evaporator Fan Motor FLA		11.0	22.0	9.4	9.4	23.8	11.6
Condenser Motor FLA		2.5	5.0	2.5	2.5	5.0	2.1
Compressor Motor RLA		22.4	37.1	22.4	22.4	37.1	12.8
Heat 40kW, Amps (Actual kW)		50.0 (41.6)	—	—	—	—	41.8 (41.6)
Heat 30kW, Amps (Actual kW)		37.0 (30.8)	79.2 (31.6)	43.2 (31.1)	44.0 (29.1)	—	31.0 (30.8)
Heat 20kW, Amps (Actual kW)		26.0 (21.6)	53.2 (21.2)	27.2 (19.6)	29.4 (19.4)	47.6 (17.2)	21.6 (21.6)
Heat 15kW, Amps (Actual kW)		18.5 (15.4)	37.6 (15.0)	22.6 (16.2)	25.0 (16.5)	40.8 (14.7)	15.4 (15.4)
Heat 10kW, Amps (Actual kW)		13.0 (10.8)	26.6 (10.6)	16.0 (11.5)	14.8 (9.7)	23.8 (8.6)	10.8 (10.8)
Total FLA, Cooling	w/o Auxiliary Fan	67.3	117.7	70.5	70.5	119.5	47.1
	w/Auxiliary Fan	78.3	141.1	79.9	79.9	143.3	58.7
10–40 kW Heat	MCA w/o Aux Fan	72.9	127.0	76.1	76.1	128.8	50.3
	MOP w/o Aux Fan	90.0	150.0	90.0	90.0	150.0	60.0
	MCA w/Aux Fan	83.9	149.0	85.7	85.7	152.6	51.9
	MOP w/Aux Fan	90.0	175.0	100.0	100.0	175.0	70.0
Operating Range		432V–506V	216V–253V	342V–418V	373V–456V	180V–220V	517V–600V

MODEL 14360		460/480V	415V	380V	575V
Electric Power		3Φ-60Hz	3Φ-50Hz	3Φ-50Hz	3Φ-60Hz
Evaporator Fan Motor FLA		15.1	14.2	14.2	11.6
Condenser Motor FLA		2.5	2.5	2.5	2.1
Compressor Motor RLA		26.3	30.4	30.4	23.7
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)	44.0 (29.1)	31.0 (30.8)
Heat 20kW, Amps (Actual kW)		26.0 (21.6)	27.2 (19.6)	29.4 (19.4)	21.6 (21.6)
Heat 15kW, Amps (Actual kW)		18.5 (15.4)	22.6 (16.2)	25.0 (16.5)	15.4 (15.4)
Heat 10kW, Amps (Actual kW)		13.0 (10.8)	16.0 (11.5)	14.8 (9.7)	10.8 (10.8)
Total FLA, Cooling	w/o Auxiliary Fan	79.2	86.5	86.5	68.9
	w/Auxiliary Fan	90.8	100.7	100.7	80.5
10–40 kW Heat	MCA w/o Aux Fan	85.8	94.1	94.1	74.8
	MOP w/o Aux Fan	110.0	110.0	110.0	90.0
	MCA w/Aux Fan	100.9	108.3	108.3	86.5
	MOP w/Aux Fan	125.0	125.0	125.0	125.0
Operating Range		432V–506V	373V–456V	342V–418V	517V–600V