SPECIFIC SYSTEMS™
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8000 SERIES INPAC UNIT - MODEL 8180

PRODUCT APPLICATION

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 dual-redundancy.

PRODUCT DESCRIPTION

InPac units 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.

AVAILABLE OPTIONS

Please contact Specific Systems about other available options.

- Explosion-Proofing / Spark-Proofing
- Chemical Filtration (ChemPac) Package
- Multiple Exterior Finishes, including Stainless Steel
- Baked Phenolic Coated Coils (Corrosion Resistance)
- Remote Control
- Stack Package
- Automatic Shut-Off
- Low Ambient Control

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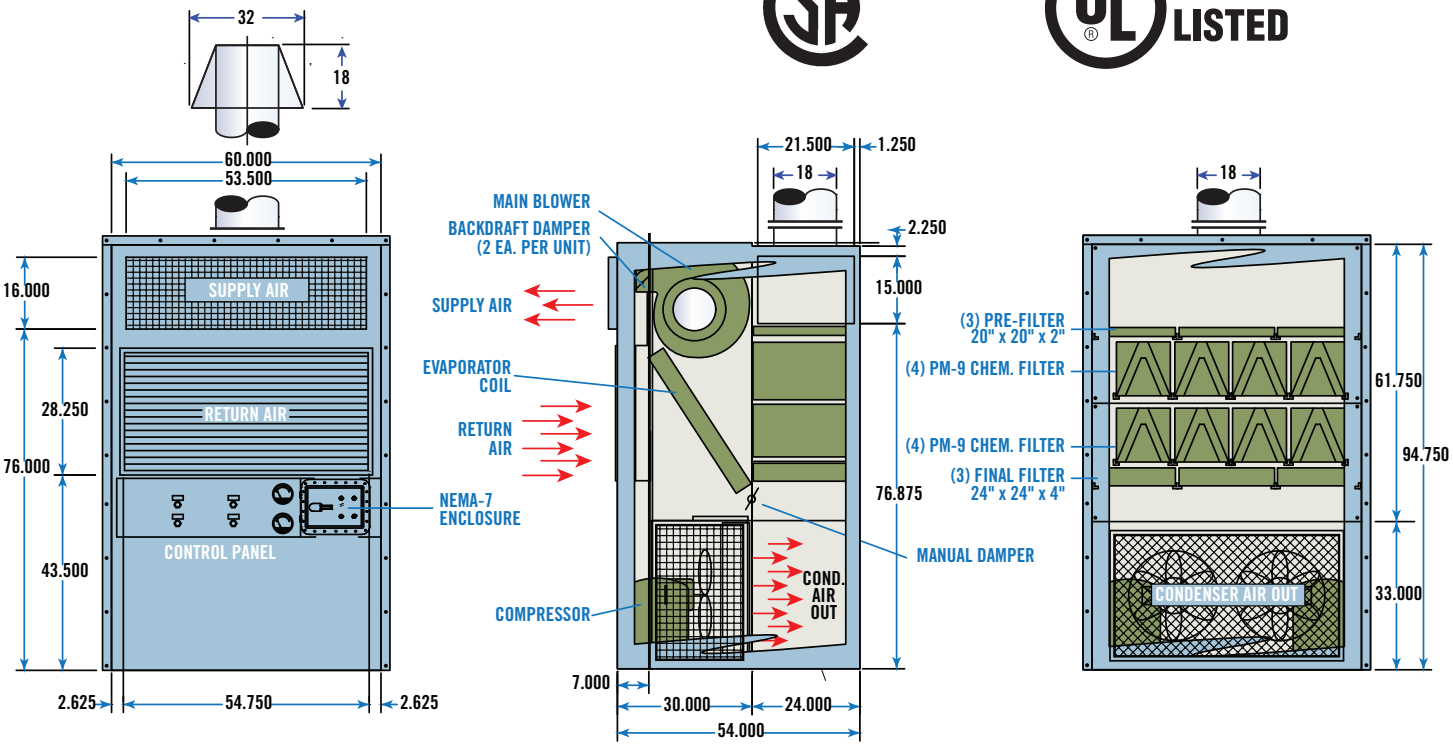

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Electrical Specifications for Standard Units

Electric Power		460/480V 3Φ–60Hz	230/240V 3Φ–60Hz	415V 3Φ–50Hz	380V 3Φ-50Hz	200V 3Φ–50Hz	575V 3Φ–60Hz
Evaporator Fan Motor FLA		8.3	16.6	7.8	8.6	16.3	6.9
Condenser Motor FLA		3.1 (6.2)	6.2 (12.4)	2.8 (5.6)	3.2 (6.4)	6.1 (12.2)	2.6 (5.2)
Compressor Motor RLA		15.7 (31.4)	31.4 (62.8)	14.7 (29.4)	16.3 (32.6)	30.7 (61.4)	13.0 (26.0)
Heat 20KW, Amps (Actual KW)		26.0 (21.6)	53.2 (21.2)	29.8 (21.4)	29.7 (19.5)	55.0 (19.1)	23.3 (23.2)
Heat 15KW, Amps (Actual KW)		18.5 (15.4)	37.7 (15.0)	22.4 (16.1)	20.6 (13.5)	39.5 (13.7)	15.6 (15.5)
Heat 10KW, Amps (Actual KW)		13.0 (10.8)	26.6 (10.6)	16.0 (11.5)	14.7 (9.6)	23.1 (8.0)	—
Total FLA, Cooling	w/o Auxiliary Fan	45.9	47.6	91.8	42.8	89.9	38.1
	w/Auxiliary Fan	54.2	56.0	108.4	50.6	106.2	45.0
10–20 KW Heat	MCA w/o Aux Fan	49.8	99.7	46.5	51.7	97.6	41.4
	MOP w/o Aux Fan	65.5	131.1	61.2	68.0	128.3	54.4
	MCA w/Aux Fan	58.1	116.3	54.2	60.2	113.9	48.3
	MOP w/Aux Fan	73.8	147.7	69.0	68.6	144.6	61.3
Unit LRA*		124 AMP	249 AMP	116 AMP	129 AMP	243 AMP	103 AMP
Operating Range		432V–506V	216V–253V	373V–456V	342V–418V	180V–220V	517V-600V

LRA - Lock Rotor Amps, defined as evaporator fan, condenser fan, and compressor operating at full load and one compressor at LRA; MCA - Minimum Circuit Ampacity; MOP Maximum Overcurrent Protection; To size circuit breaker, select between MCA value and MOP value

Model	CFM @ 0.50 SP	BTUH@95° AMB 80 DB / 67 WB
8180	5700 @ 60 Hz 4730 @ 50 Hz	180,000 NOM 150,000 NOM

Refrigeration Charge	
Std.	14 lbs ea.
w/Receivers	40 lbs ea.

Actual Capacity @ 60 Hz, 80 DB / 67 WB Entering Evap. Coil

Ambient Condition	Sensible Capacity	Total Capacity
75°F (35°C)	137,550 BTUH	200,410 BTUH
85°F (41°C)	133,490 BTUH	190,450 BTUH
95°F (35°C)	129,920 BTUH	180,900 BTUH
105°F (41°C)	123,640 BTUH	165,000 BTUH
115°F (46°C)	119,250 BTUH	153,800 BTUH