

6000 SERIES INPAC UNIT - MODEL 6120



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.

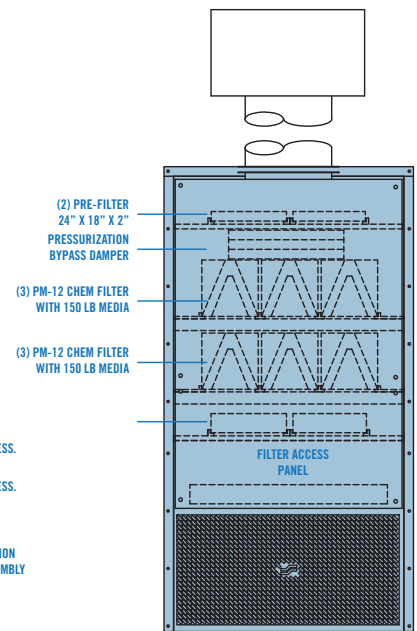
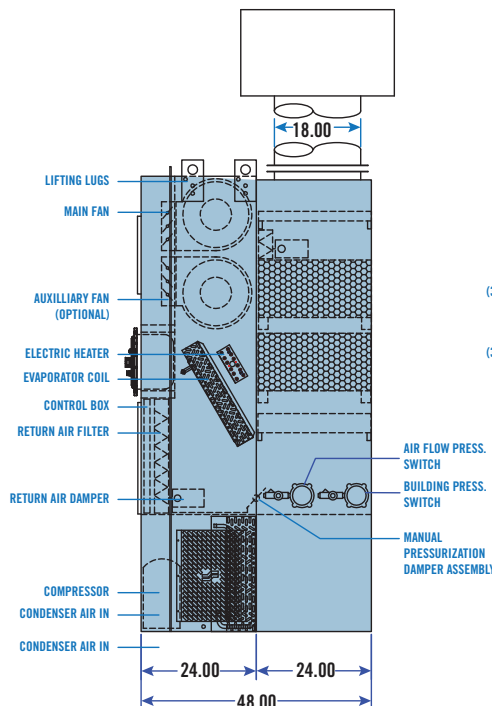
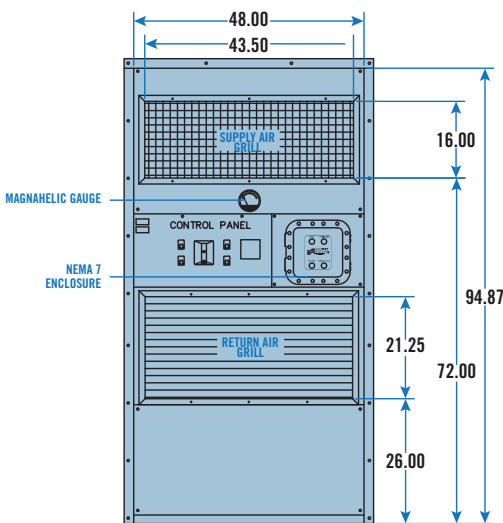
PRODUCT DESCRIPTION

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



6000 SERIES HVAC UNIT - MODEL 6120

Electrical Specifications for Standard Units

Electric Power		230/240V 1Φ-60Hz	200V 1Φ-50Hz	460/480V 3Φ-60Hz	230/240V 3Φ-60Hz	415V 3Φ-50Hz	380V 3Φ-50Hz	200V 3Φ-50Hz	575V 3Φ-60Hz
Evaporator Fan Motor FLA		16.6	16.3	4.8	9.6	4.4	5.0	9.4	4.0
Condenser Motor FLA		10.7	10.6	3.1	6.2	2.8	3.2	6.1	2.6
Compressor Motor RLA		33.9 (67.8)	32.3 (64.6)	9.8 (19.6)	19.6 (39.2)	9.0 (18.0)	10.2 (20.4)	19.2 (38.4)	8.1 (16.2)
Heat 20KW, Amps (Actual KW)		92.2 (21.2)	95.5 (19.1)	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)		65.2 (15.0)	68.5 (13.7)	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)		46.1 (10.6)	40.0 (8.0)	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	95.1	91.5	27.5	55.0	25.2	28.6	34.7	22.8
	w/Auxiliary Fan	111.7	107.8	32.3	64.6	29.6	33.6	44.1	26.8
10 KW Heat	MCA w/o Aux Fan	103.6	99.6	30.0	59.9	27.5	31.2	58.7	24.8
	MOP w/o Aux Fan	137.5	131.9	39.8	79.5	36.1	41.4	77.9	32.9
	MCA w/Aux Fan	120.2	115.9	34.8	69.5	31.9	36.2	68.1	28.8
	MOP w/Aux Fan	154.1	148.2	44.6	89.1	40.5	46.4	87.3	36.9
15 KW Heat	MCA w/o Aux Fan	103.6	99.6	30.0	59.9	27.5	31.2	58.7	24.8
	MOP w/o Aux Fan	137.5	131.9	39.8	79.5	36.1	41.4	77.9	32.9
	MCA w/Aux Fan	120.2	115.9	34.8	69.5	31.9	36.2	68.1	28.8
	MOP w/Aux Fan	154.1	148.2	44.6	89.1	40.5	46.4	87.3	36.9
20 KW Heat	MCA w/o Aux Fan	136.0	139.8	38.5	98.5	42.8	43.4	80.5	34.1
	MOP w/o Aux Fan	224.0	231.2	63.3	129.3	71.5	71.8	133.2	56.4
	MCA w/Aux Fan	—	—	43.3	88.1	47.2	48.4	89.9	38.1
	MOP w/Aux Fan	—	—	68.1	138.9	75.9	76.8	142.6	60.4
Unit LRA*		265 AMP	253 AMP	77 AMP	153 AMP	70 AMP	80 AMP	150 AMP	63 AMP
Operating Range		216V-253V	180V-220V	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
6120	3700 @ 60 Hz 3070 @ 50 Hz	120,000 NOM 100,000 NOM

Refrigeration Charge	
Std.	9.5 lbs ea.
w/Receivers	30 lbs ea.

Actual Capacity @ 60 Hz, 80 DB / 67 WB
Entering Evap. Coil (Standard ASHRAE)

Ambient Condition	Sensible Capacity	Total Capacity
75°F (24°C)	94,880 BTUH	140,600 BTUH
85°F (29°C)	92,660 BTUH	133,430 BTUH
95°F (35°C)	89,820 BTUH	126,350 BTUH
110°F (43°C)	84,850 BTUH	115,010 BTUH
120°F (49°C)	81,800 BTUH	107,220 BTUH

Actual Capacity @ 60 Hz, 80 DB / 69.7 WB
Entering Evap. Coil, 40%RH Return Air

Ambient Condition	Sensible Capacity	Total Capacity
75°F (24°C)	116,142 BTUH	128,650 BTUH
85°F (29°C)	113,338 BTUH	122,276 BTUH
95°F (35°C)	110,138 BTUH	115,836 BTUH
110°F (43°C)	104,698 BTUH	105,476 BTUH
120°F (49°C)	99,126 BTUH	99,126 BTUH

Actual Capacity @ 60 Hz, 80 DB / 71.2 WB
Entering Evap. Coil, 35%RH Return Air

Ambient Condition	Sensible Capacity	Total Capacity
75°F (24°C)	112,186 BTUH	120,404 BTUH
85°F (29°C)	108,824 BTUH	114,254 BTUH
95°F (35°C)	105,564 BTUH	108,026 BTUH
105°F (43°C)	100,772 BTUH	101,422 BTUH
110°F (43°C)	98,656 BTUH	98,656 BTUH
120°F (49°C)	91,948 BTUH	91,948 BTUH