

600 SERIES INPAC UNIT - MODEL 660



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.

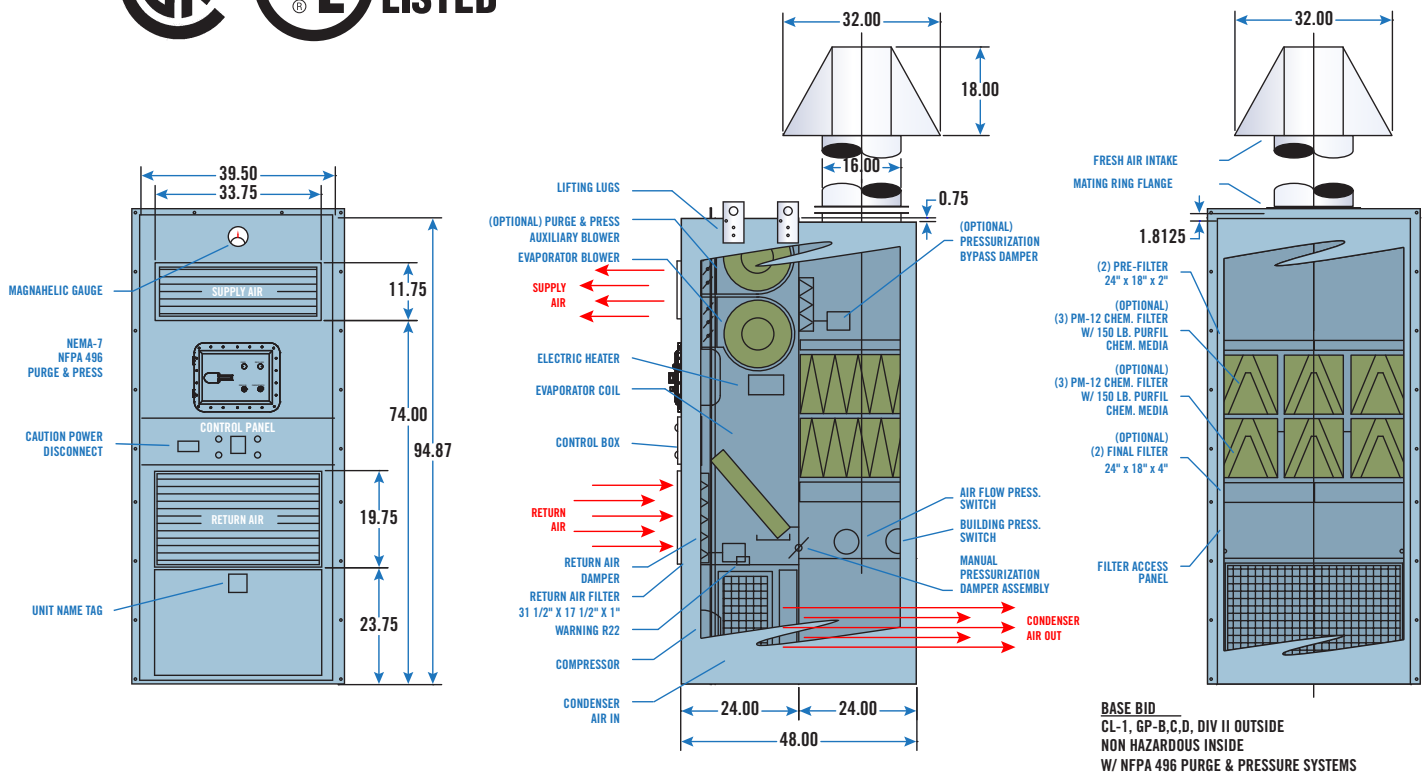
PRODUCT DESCRIPTION

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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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		8.7	8.5	2.5	5.0	2.3	2.6	4.9	2.1
Condenser Motor FLA		10.7	10.6	3.1	6.2	2.8	3.2	6.0	2.6
Compressor Motor RLA		18.8 (37.6)	18.4 (36.8)	5.4 (10.8)	10.8 (21.6)	4.9 (9.8)	5.6 (11.2)	10.6 (21.2)	4.5 (9.0)
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	57.0	55.9	16.4	32.8	14.9	17.0	32.1	13.7
	w/Auxiliary Fan	65.7	64.4	18.9	37.8	17.2	19.6	37.0	15.8
10 KW Heat	MCA w/o Aux Fan	68.5	60.6	19.4	39.5	22.9	21.6	35.0	—
	MOP w/o Aux Fan	112.4	98.7	31.8	64.9	38.3	35.7	56.9	—
	MCA w/Aux Fan	77.2	69.1	21.9	44.5	25.1	24.2	39.9	—
	MOP w/Aux Fan	121.1	107.4	34.3	69.9	40.6	38.3	61.8	—
15 KW Heat	MCA w/o Aux Fan	—	—	26.3	53.4	30.9	29.0	55.5	22.1
	MOP w/o Aux Fan	—	—	31.8	89.8	52.7	49.0	93.8	37.2
	MCA w/Aux Fan	—	—	28.7	58.4	33.2	31.6	60.4	24.2
	MOP w/Aux Fan	—	—	34.3	94.8	55.0	51.6	98.7	39.3
20 KW Heat	MCA w/o Aux Fan	—	—	35.6	72.8	40.1	40.4	74.9	31.8
	MOP w/o Aux Fan	—	—	61.0	124.7	69.4	69.4	128.7	54.5
	MCA w/Aux Fan	—	—	38.1	77.8	42.4	43.0	79.8	33.9
	MOP w/Aux Fan	—	—	63.5	129.7	71.4	72.0	133.6	56.6
Unit LRA*		151 AMP	148 AMP	43 AMP	87 AMP	39 AMP	45 AMP	85 AMP	36 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	Refrigeration Charge	
			Std.	4 lbs ea.
660	1750 @ 60 Hz	60,000 NOM	w/Receivers	14 lbs ea.
	1460 @ 50 Hz	50,000 NOM		

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

Ambient Condition	Sensible Capacity	Total Capacity
75°F (24°C)	43,770 BTUH	69,920 BTUH
85°F (29°C)	42,630 BTUH	66,560 BTUH
95°F (35°C)	40,760 BTUH	63,110 BTUH
105°F (41°C)	38,650 BTUH	57,780 BTUH
115°F (46°C)	36,680 BTUH	53,910 BTUH