



## NATIONAL AIRCRAFT SERVICE, INC.

### NREM18M System Specifications

#### SEMI HERMETIC COMPRESSOR DESIGN DATA:

Operating Speed	7,200 RPM
Peak BTU Output	18,000 BTU
Max Operating Discharge Pressure	384 PSI
Discharge Pressure at Peak Output	150 PSI
Suction Pressure at Peak Output	45 PSI
Electrical	200 VAC 400 Hz 3 $\phi$
Power Draw – Normal Operating Pressure	12.5 Amps
High Load – Max Operating Pressure	14.0 Amps

#### CONDENSER FAN DESIGN DATA, Centrifugal Fan:

Operating Speed	5,600 RPM
Max Output	600 CFM
Electrical	200 VAC 400 Hz 3 $\phi$
Power Draw – Normal Operating Pressure	6.0 Amps

#### EVAPORATOR FAN DESIGN DATA, Centrifugal Fan:

Operating Speed	0-3,500 RPM
Max Output	300 CFM
Electric	28 VDC
Power	6.0 Amps

#### CONDENSER DESIGN:

Hi Performance Serpentine – Aluminum
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#### EVAPORATOR DESIGN:

Hi Performance Micro Channel – Aluminum
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#### SYSTEM POWER:

	Normal	Max	
200 VAC, 400 Hz, 3 $\phi$ Power	18.5	20.0	Amps
28 VDC	6.0	6.5	Amps

#### MODULE ASSEMBLY DIMENSIONS

BTUs	DIMENSIONS	Weight Lbs.
~ 18,000 Btu/h	13.5 x 15.0 x 20.5	54 Lbs.

**The Above Information is Approximate and will vary based on Final Configuration.**

**\*96.7 July Average High Temperature, Dallas Ft. Worth Airport.**

**\*\*Humidity May affect Power Draw.**