



# 090-450 Ton Air-Cooled Sintesis - Epinal

## RTAF 090 V

Job Name Job01

### General Information

Unit nominal tonnage	090	Gross efficiency	3.71 EER (kW/kW)
Unit Type	High Seasonal Efficiency (HSE)	Net efficiency	3.60 EER (kW/kW)
Sound attenuator package	Standard noise (SN)	Gross ESEER at Eurovent conditions	4.61
Refrigerant Type	R134a	Net ESEER at Eurovent	3.74
Gross capacity	419.26 kW	A-weighted sound power	94 dBA
Net capacity	416.48 kW	Sound pressure level (10m)	62 dBA
		TOPSS version number	175

### Evaporator Information

Evaporator Application	Comfort cooling (above 4.5°C)	Evap freeze point	-19.0 C
Evap entering temp	20.0 C	Evaporator Configurations	Standard pass evaporator
Evap leaving temp	15.0 C	Evap fluid type	Ethylene glycol
Evap flow rate	22.27 L/s	Evap fluid concentration	35.00 %
Evap pressure drop	73.8 kPa	Evap fouling factor	0.017615 m <sup>2</sup> -deg C/kW

### Condenser Information

Unit Application	Standard ambient	Number of condenser fans	10
Ambient temperature	35.0 C	Total condenser air flow	42.30 m <sup>3</sup> /s
Condenser coil options	All Aluminium	Elevation	0.0 m

### Electrical Information

Unit voltage	400/50/3	Max amps	229.00 A
Gross unit power	112.90 kW	Unit starting current	
Total compressor power	105.80 kW		

### Hydraulic Module Information

Pump package	Dual pump high pressure	Hydraulic Module Power	14.3 kW
Available Static Pressure	226 kPa	Hydraulic Module Nominal current	33.9 A

### Physical Information

Length	5645 mm
Width	2200 mm
Height	2526 mm
Unit shipping weight	4106 kg
Operating weight	4165 kg



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