

ERTAF - 090-450 Ton Air-Cooled Sintesis - Epinal

RTAF 310XE SN

Job Name

Job01

General Information

Unit nominal tonnage	310	Gross efficiency	2.73 EER (kW/kW)
Unit Type	eXtra Efficiency (XE)	Net efficiency	2.71 EER (kW/kW)
Sound attenuator package	Standard noise (SN)	Gross ESEER at Eurovent conditions	4.76
Refrigerant Type	R134a	Net ESEER at Eurovent	4.41
Gross capacity	818.31 kW	A-weighted sound power	101 dBA
Net capacity	817.23 kW	Sound pressure level (10m)	68 dBA
		TOPSS version number	202

Evaporator Information

Evaporator Application	Process cooling (below 4.5C)	Evap freeze point	-15.0 C
Evap entering temp	8.0 C	Evaporator Configurations	Std pass + turbulators
Evap leaving temp	0.0 C	Evap fluid type	Ethylene glycol
Evap flow rate	26.82 L/s	Evap fluid concentration	30.00 %
Evap pressure drop	21.8 kPa	Evap fouling factor	0.017615 m ² -deg C/kW

Condenser Information

Unit Application	Low ambient (-20C to 46C)	Number of condenser fans	20
Ambient temperature	35.0 C	Total condenser air flow	114.17 m ³ /s
Condenser coil options	All Aluminium	Elevation	0.0 m

Electrical Information

Unit voltage	400/50/3	Max amps	841.70 A
Gross unit power	300.13 kW	Unit starting current	986.70 A
Total compressor power	271.07 kW		

Physical Information

Length	11260 mm	Ckt 1 refrigerant charge	129 kg
Width	2200 mm	Ckt 2 refrigerant charge	62 kg
Height	2526 mm		
Unit shipping weight	7428 kg		
Operating weight	7548 kg		

