

# Refrigerated Air Dryer

## Air Flow Capacity

処理空気量

**Increased by  
up to 40%**

(Compared with the previous model)

MAX. 40%増

## Power Consumption

省エネルギー

**Reduced by  
up to 40%**

(Compared with the previous model)

消費電力 MAX. 40%減

**Improved corrosion  
resistance with the adoption  
of a stainless steel, plate  
type, heat exchanger.**

(Except for 1E to 3E)

Refrigerant 冷媒

**HFC134a**

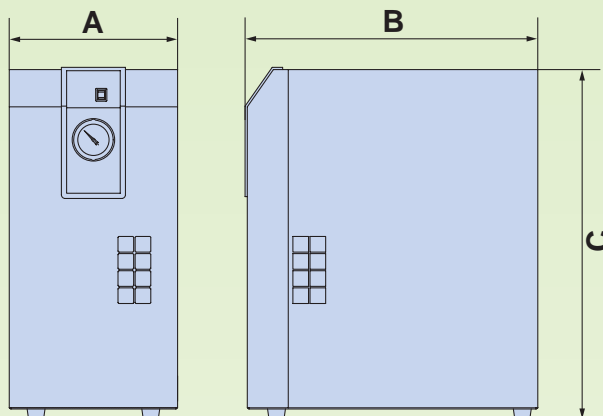
Coefficient of ozone  
depletion-Zero

	Model	Air flow capacity /min(ANR)		Rated inlet condition	Outlet air pressure dew point
		50Hz	60Hz		
Inlet air of normal temperature	IDF1E	100	110	35°C Saturation 0.7MPa	10°C
	IDF2E	200	220		
	IDF3E	310	350		
	IDF4E	500	570		
	IDF6E	740	810		
	IDF8E	1200	1300		
	IDF11E	1650	1820		
Inlet air of high temperature	IDU3E	310	350	55°C Saturation 0.7MPa	
	IDU4E	500	570		
	IDU6E	740	810		

Series **IDF/IDU**

## Dimensions

Model 型式	A	B	C
IDF1E IDF2E	226	390	410
IDF3E			470
IDF4E IDF6E	270	435	495
IDF8E IDF11E		465	565
IDU3E		435	495
IDU4E IDU6E		465	565



Coming soon!

## Main specifications

- Series IDF□E (Inlet air temperature : 35°C, Outlet air pressure dew point : 10°C),  
Series IDU□E (Inlet air temperature : 55°C, Outlet air pressure dew point : 10°C)

Specifications仕様			Model 型式		Series IDF□E							Series IDU□E		
			IDF1E	IDF2E	IDF3E	IDF4E	IDF6E	IDF8E	IDF11E	IDU3E	IDU4E	IDU6E		
Rated conditions	Air flow capacity	50Hz	100	200	310	500	740	1200	1650	310	500	740		
	∕min(ANR) <small>Note1</small>	60Hz	110	220	350	570	810	1300	1820	350	570	810		
	Inlet air pressure(MPa)	0.7												
	Inlet air temperature(°C)	35 Saturation							55 Saturation					
	Ambient temperature(°C)	32												
Operating range	Outlet air pressure dew point	10												
	Working fluid	Compressed air												
	Inlet air temperature(°C)	5~50							5~80					
	Inlet air pressure(MPa)	0.15~1.0												
Ambient temperature (Humidity)	2~40 (Relative humidity of 85% or less)													
Applicable compressor (as a guide) (for screw style) (kW)			0.75	1.5	2.2	3.7	5.5	7.5	11	2.2	3.7	5.5		
Power source (V) 50/60Hz			Single phase, AC100/100 to 110 単相		Single phase, AC100/100 to 110 Single phase, AC200/200 to 220									
Power consumption (W) <small>Note2</small> 50/60Hz	AC 100V	50Hz	165	165	165	165	170	210	310	165	210	320		
		60Hz	195	195	195	195	200	240	360	195	250	385		
	AC 200V	50Hz	-	-	165	165	175	200	330	175	200	335		
		60Hz	-	-	195	195	210	230	370	210	230	380		
Refrigerant			R134a											
Air connection			Rc3/8			Rc1/2	Rc3/4			Rc3/8	Rc1/2	Rc3/4		
Weight (kg)			16	17	18	22	23	27	28	23	27	28		
Coating color			White1 (Munsell 10Y8/0.5)											

Note1) The data for ∕min (ANR) is under the conditions of 20°C, atmospheric pressure of 1 atm. and relative humidity of 65%.

Note2) Under conditions of inlet air pressure: 0.7MPa, inlet air temperature: 35°C, ambient temperature: 32°C, outlet air pressure dew point:10°C.