10702

12 - 2023

VECTIOS POWER TM PJ R-454B

Ecodesign manual
(2281/2016 Regulation)

CIAT

COOLING MODE [0]

Model [1]	
Air conditioner type [2]	Air-to-Air [3]
Type [4]	Compressor driven vapour compression [5]

Rated cooling capacity, kW [6]	Prated,c	
Seasonal space cooling energy efficiency, % [7]	ηs,c	
Seasonal coefficient of performance, kWh/kWh [8]	SEER	
Sound power level, outdoor, dB [9]	LWA	

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb) [10]

Climate: [11]	Average (Strasbourg) [12]		
Tj, °C	**Cooling capacity Pdc, kW** [13]	**EERd, %**	**Degradation coef, Cdc** [14]
+ 35			
+ 30			
+ 25			
+ 20			

Power consumption in modes other than 'active mode' [15]

Off mode, kW [16]	POFF	
Thermostat-off mode, kW [17]	PTO	
Crankcase heater mode, kW [18]	PCK	
Standby mode, kW [19]	PSB	

Other items [20]

Capacity control [21]	fixed/Staged/variable [22]
GWP of the refrigerant, kg CO2 eq (100 years) [23]	

For air-to-air air conditioner [24]

Air flow rate, outdoor measured, m3/h [25]	

Contact details [26]	

ENGLISH

[0] COOLING mode
[1] Model
[2] Air conditioner type
[3] Air to Air
[4] Type:
[5] Compressor driven vapour compression
[6] Rated cooling capacity
[7] Seasonal space capacity energy efficiency
[8] Seasonal coefficient of performance
[9] Sound power level, dB(A)
[10] Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)
[11] Climate
[12] Average (Strasbourg)
[13] Cooling capacity
[14] Degradation coeff
[15] Power consumption in modes other than 'active mode'
[16] Off mode
[17] Thermostat off-mode
[18] Crankcase heater mode
[19] Standby mode
[20] Other items
[21] Capacity control
[22] Fixed/Staged/variable
[23] GWP of the refrigerant, kg CO2 eq (100 years)
[24] For air-to-air air conditioner
[25] Nominal air flow rate, outdoor measured, m^3/h
[26] Contact details

ESPAÑOL

[0] Modo FRÍO
[1] Modelo
[2] Tipo de acondicionador de aire
[3] Aire-aire
[4] Tipo:
[5] Compresión de vapor por compresor
[6] Potencia nominal de refrigeración
[7] Eficiencia energética estacional de refrigeración de espacios
[8] Coeficiente de rendimiento estacional
[9] Nivel de potencia acústica, dB(A)
[10] Potencia frigorífica y factor de eficiencia energética declarados para carga parcial a las temperaturas exteriores dadas Tj y a una temperatura interior de 27°/19°C (bulbo seco/húmedo)
[11] Clima
[12] Condiciones climáticas medias (Estrasburgo)
[13] Potencia frigorífica
[14] Coeficiente de degradación
[15] Consumo de energía en modos distintos del 'modo activo'
[16] Modo desactivado
[17] Modo desactivado por termostato
[18] Modo de calentador del cárter
[19] Modo de espera
[20] Otros elementos
[21] Control de potencia
[22] Fijo/gradual/variable
[23] PCA del refrigerante, kg CO2 eq (100 años)
[24] Para acondicionador de aire aire-aire
[25] Caudal de aire nominal, exterior
[26] Datos de contacto

FRANÇAIS

[0] Mode FROID
[1] Modèle
[2] Type de climatiseur
[3] Air-air
[4] Type:
[5] Compresseur à cycle à compression de vapeur
[6] Puissance frigorifique nominale
[7] Efficacité énergétique saisonnière pour le refroidissement des locaux
[8] Coefficient saisonnier de performance
[9] Niveau de puissance acoustique, dB(A)
[10] Puissance frigorifique et coefficient d'efficacité énergétique déclarés à charge partielle pour des températures extérieures données Tj et intérieure de 27 °C/19 °C (bulbe sec/ bulbe humide)
[11] Climat
[12] Moyennes (Strasbourg)
[13] Puissance frigorifique
[14] Coefficient de dégradation
[15] Consommation d'énergie dans les modes autres que le 'mode actif'
[16] Mode arrêt
[17] Mode arrêt par thermostat
[18] Mode résistance de carter active
[19] Mode veille
[20] Autres caractéristiques
[21] Régulation de la puissance
[22] fixe/étagée/variable
[23] PRP du fluide frigorigène, kg CO2 eq (100 ans)
[24] Pour les climatiseurs air-air
[25] Débit d'air nominal, mesuré à l'extérieur
[26] Coordonnées de contact

PORTUGUÊS

[0] Modo ARREFECIMENTO
[1] Modelo
[2] Tipo de aparelho de ar condicionado
[3] Ar-ar
[4] Tipo:
[5] Compressão de vapor acionada por compressor
[6] Potência de arrefecimento nominal
[7] Eficiência energética sazonal de arrefecimento ambiente
[8] Coeficiente de desempenho sazonal
[9] Nível de potência sonora, dB(A)
[10] Potência de arrefecimento e rácio de eficiência energética declarados para carga parcial a determinadas temperaturas exteriores Tj e temperaturas interiores de 27/19 °C (bolbo seco/ húmido)
[11] Clima
[12] Condições climáticas médias (Estrasburgo)
[13] Potência de arrefecimento
[14] Coeficiente de degradação
[15] Consumo energético em modos distintos do «modo ativo»
[16] Modo desligado
[17] Modo termóstato desligado
[18] Modo de resistência do cárter
[19] Modo espera
[20] Outros parâmetros
[21] Regulação da potência
[22] Fixa/faseada/variável
[23] PAG do refrigerante, kg CO2 eq (100 anos)
[24] Para aparelhos de ar condicionado ar-ar
[25] Débito de ar, medido no exterior
[26] Dados de contacto

TÜRK

[0] SOĞUTMA modu
[1] Model
[2] Klima tipi
[3] Havadan Havaya
[4] Tip:
[5] Kompresör tahrikli buhar kompresyonu
[6] Nominal soğutma kapasitesi
[7] Mevsimsel alan kapasitesi enerji verimi
[8] Mevsimsel Performans Katsayısı, kWh/kWh
[9] Ses gücü seviyesi, dB(A)
[10] Verilen dış ortam sıcaklığı Tj ve iç mekan 27°/19°C'deki (kuru/yaş termometre sıcaklığı) kısmi yük için belirtilen soğutma kapasitesi ve enerji verim oranı
[11] İklim
[12] Ortalama (Strasbourg)
[13] Soğutma kapasitesi
[14] Azalma katsayısı
[15] "Etkin modu"nun dışındaki enerji tüketimi
[16] Kapalı modu
[17] Termostat kapalı modu
[18] Karter ısıtıcısı modu
[19] Bekleme modu
[20] Diğer öğeler
[21] Kapasite kontrolü
[22] Sabit/Kademeli/değişken
[23] Soğutucu akışkanın küresel ısınmaya neden olma potansiyeli (GWP), kg CO2 eşdeğer (100 yıl)
[24] Havadan havaya klimalar için
[25] Dış ortamda ölçülen nominal hava akış debisi, m^3/saat
[26] İletişim bilgileri

РУССКИЙ

[0] Режим ОХЛАЖДЕНИЯ
[1] Модель
[2] Тип кондиционера
[3] Воздух-воздух
[4] Тип:
[5] Сжатие паров хладагента с помощью компрессора
[6] Номинальная холодопроизводительность
[7] Сезонная энергоэффективность в режиме охлаждения
[8] Сезонная энергоэффективность, кВт/кВт
[9] Корректированный уровень звуковой мощности, дБА
[10] Заявленная холодопроизводительность и показатель энергоэффективности при работе с частичной нагрузкой при данной температуре наружного воздуха Tj и температуре воздуха в помещении 27 °C/19 °C (по сух./влаж. термометру)
[11] Климат
[12] Средняя (Страсбург)
[13] Холодопроизводительность
[14] Коэффициент деградации
[15] Потребляемая мощность в других режимах, кроме рабочего
[16] Режим «Откл.»
[17] Режим «Термостат отключен»
[18] Режим подогрева картера
[19] Дежурный режим
[20] Прочее
[21] Регулирование производительности
[22] Фиксированное/ступенчатое/плавное
[23] GWP хладагента, килограмм-эквивалентов CO2 (100 лет)
[24] Для кондиционера типа «воздух-воздух»
[25] Номинальный расход воздуха (по наружному воздуху), $м^3/ч$
[26] Контактная информация

HEATING MODE [0]

Model [1]	
Heat pump type [2]	Air-to-Air [3]
Equipped with supplementary heater [4]	Yes/No [5]

Rated heating capacity, kW [6]	Prated,h	
Seasonal space heating energy efficiency, % [7]	ηs,h	
Seasonal coefficient of performance, kWh/kWh [8]	SCOP	
Sound power level, outdoor, dB [9]	LWA	

Declared heating capacity and coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature Tj [10]

Climate: [11]	Average (Strasbourg) [12]		
Bivalent temperature Tbiv, ºC [13]			
Tj, °C	**Heating capacity Pdh, kW** [14]	**COPd, %**	**Degradation coef, Cdh** [15]
- 7			
+ 2			
+ 7			
+ 12			
Bivalent temperature [16]			
Operating limit temperature [17]			

Power consumption in modes other than 'active mode' [18]

Off mode, kW [19]	POFF	
Thermostat off mode, kW [20]	PTO	
Crankcase heater mode, kW [21]	PCK	

Supplementary heater [22]

Back-up heating capacity, kW [23]	elbu	
Type of energy input [24]		
Standby mode, kW [25]	PSB	

Other items [26]

Capacity control [27]	fixed/Staged/variable [28]
GWP of the refrigerant, kg CO2 eq (100 years) [29]	

For air-to-air heat pumps [30]

Air flow rate, outdoor measured, m3/h [31]	

Contact details [32]	

ENGLISH

[0] HEATING mode
[1] Model
[2] Heat pump type
[3] Air to Air
[4] Equipped with supplementary heater
[5] Yes/No
[6] Rated heating capacity
[7] Seasonal space heating energy efficiency
[8] Seasonal coefficient of performance
[9] Sound power level, dB(A)
[10] Declared heating capacity and coefficient of performance for part load at indoor temperature 20°C and outdoor temperature Tj
[11] Climate
[12] Average (Strasbourg)
[13] Bivalent temperature, ºC
[14] Heating capacity
[15] Degradation coeff
[16] Bivalent temperature
[17] Operation limit temperature
[18] Power consumption in modes other than 'active mode'
[19] Off mode
[20] Thermostat off-mode
[21] Crankcase heater mode
[22] Supplementary heater
[23] Back-up heating capacity
[24] Type of energy input
[25] Standby mode
[26] Other items
[27] Capacity control
[28] Fixed/Staged/variable
[29] GWP of the refrigerant, kg CO2 eq (100 years)
[30] For air-to-air heat pumps
[31] Nominal air flow rate, outdoor measured, m^3/h
[32] Contact details

ESPAÑOL

[0] Modo CALOR
[1] Modelo
[2] Tipo de bomba de calor
[3] Aire-aire
[4] Equipado con calefacción complementaria
[5] Sí/No
[6] Potencia nominal de calefacción
[7] Eficiencia energética estacional de calefacción de espacios
[8] Coeficiente de rendimiento estacional
[9] Nivel de potencia acústica, dB(A)
[10] Potencia calorífica y coeficiente de rendimiento declarados para carga parcial a una temperatura interior de 20°C y una temperatura exterior Tj
[11] Clima
[12] Condiciones climáticas medias (Estrasburgo)
[13] Temperatura bivalente, ºC
[14] Potencia calorífica
[15] Coeficiente de degradación
[16] Temperatura bivalente
[17] Temperatura límite de funcionamiento
[18] Consumo de energía en modos distintos del 'modo activo'
[19] Modo desactivado
[20] Modo desactivado por termostato
[21] Modo de calentador del cárter
[22] Calefactor complementario
[23] Potencia de calefacción de apoyo
[24] Tipo de energía consumida
[25] Modo de espera
[26] Otros elementos
[27] Control de potencia
[28] Fijo/gradual/variable
[29] PCA del refrigerante, kg CO2 eq (100 años)
[30] Para bombas de calor aire-aire
[31] Caudal de aire nominal, exterior
[32] Datos de contacto

FRANÇAIS

[0] Mode CHAUD
[1] Modèle
[2] Type de pompe à chaleur
[3] Air-air
[4] Equipé d'un chauffage supplémentaire
[5] Oui/Non
[6] Puissance calorifique nominale
[7] Efficacité énergétique saisonnière pour le chauffage des locaux
[8] Coefficient saisonnier de performance
[9] Niveau de puissance acoustique, dB(A)
[10] Puissance calorifique et coefficient de performance déclarés à charge partielle pour une température intérieure de 20°C et une température extérieure Tj
[11] Climat
[12] Moyennes (Strasbourg)
[13] Température bivalente, ºC
[14] Puissance calorifique
[15] Coefficient de dégradation
[16] Température bivalente
[17] Température limite de fonctionnement
[18] Consommation d'énergie dans les modes autres que le 'mode actif'
[19] Mode arrêt
[20] Mode arrêt par thermostat
[21] Mode résistance de carter active
[22] Dispositif de chauffage d'appoint
[23] Puissance calorifique du dispositif de chauffage d'appoint
[24] Type d'énergie utilisée
[25] Mode veille
[26] Autres caractéristiques
[27] Régulation de la puissance
[28] fixe/étagée/variable
[29] PRP du fluide frigorigène, kg CO2 eq (100 ans)
[30] Pour les pompes à chaleur air-air
[31] Débit d'air nominal, mesuré à l'extérieur
[32] Coordonnées de contact

PORTUGUÊS

[0] Modo AQUECIMENTO
[1] Modelo
[2] Tipo de bomba de calor
[3] Ar-ar
[4] Equipado com um aquecedor suplementar
[5] Sim/não
[6] Potência de aquecimento nominal
[7] Eficiência energética sazonal de aquecimento ambiente
[8] Coeficiente de desempenho sazonal
[9] Nível de potência sonora, dB(A)
[10] Potência de aquecimento e coeficiente de desempenho declarados para carga parcial a uma temperatura interior de 20 °C e a uma temperatura exterior Tj
[11] Clima
[12] Condições climáticas médias (Estrasburgo)
[13] Temperatura bivalente, ºC
[14] Potência de aquecimento
[15] Coeficiente de degradação
[16] Temperatura bivalente
[17] Temperatura limite de funcionamento
[18] Consumo energético em modos distintos do «modo ativo»
[19] Modo desligado
[20] Modo termóstato desligado
[21] Modo de resistência do cárter
[22] Aquecedor suplementar
[23] Potência de aquecimento de apoio
[24] Tipo de alimentação de energia
[25] Modo espera
[26] Outros parâmetros
[27] Regulação da potência
[28] Fixa/faseada/variável
[29] PAG do refrigerante, kg CO2 eq (100 anos)
[30] Para bombas de calor ar-ar
[31] Débito de ar, medido no exterior
[32] Dados de contacto

TÜRK

[0] ISITMA modu
[1] Model
[2] Isı pompası tipi
[3] Havadan Havaya
[4] Ek ısıtıcıya sahip
[5] Evet/Hayır
[6] Nominal ısıtma kapasitesi
[7] Mevsimsel alan ısıtma enerji verimi
[8] Mevsimsel Performans Katsayısı, kWh/kWh
[9] Ses gücü seviyesi, dB(A)
[10] Dış ortam sıcaklığı Tj ve iç mekan sıcaklığı 20°C'deki kısmi yük için belirtilen ısıtma kapasitesi ve performans katsayısı
[11] İklim
[12] Ortalama (Strasbourg)
[13] İki değerli sıcaklık, ºC
[14] Isıtma kapasitesi
[15] Azalma katsayısı
[16] İki değerli sıcaklık
[17] Çalışma sınırı sıcaklığı
[18] "Etkin modu"nun dışındaki enerji tüketimi
[19] Kapalı modu
[20] Termostat kapalı modu
[21] Karter ısıtıcısı modu
[22] Ek ısıtıcı
[23] Yedek ısıtma kapasitesi
[24] Enerji girişi tipi
[25] Bekleme modu
[26] Diğer öğeler
[27] Kapasite kontrolü
[28] Sabit/Kademeli/değişken
[29] Soğutucu akışkanın küresel ısınmaya neden olma potansiyeli (GWP), kg CO2 eşdeğer (100 yıl)
[30] Havadan havaya ısı pompaları için
[31] Dış ortamda ölçülen nominal hava akış debisi, $m^3/saat$
[32] İletişim bilgileri

РУССКИЙ

[0] Режим НАГРЕВА
[1] Модель
[2] Тип теплового насоса
[3] Воздух-воздух
[4] С дополнительным нагревателем
[5] Да/Нет
[6] Номинальная теплопроизводительность
[7] Сезонная энергоэффективность в режиме обогрева
[8] Сезонная энергоэффективность, кВт/кВт
[9] Корректированный уровень звуковой мощности, дБА
[10] Заявленная теплопроизводительность и показатель эффективности при работе с частичной нагрузкой при температуре воздуха в помещении 20 °C и температуре наружного воздуха Tj
[11] Климат
[12] Усредненные климатические условия (Страсбург)
[13] Температура на входе и выходе, ºC
[14] Теплопроизводительность
[15] Коэффициент деградации
[16] Температура на входе и выходе
[17] Предельные значения рабочей температуры
[18] Потребляемая мощность в других режимах, кроме рабочего
[19] Режим «Откл.»
[20] Режим «Термостат отключен»
[21] Режим подогрева картера
[22] Дополнительный нагреватель
[23] Теплопроизводительность резервных электронагревателей
[24] Тип подводимой энергии
[25] Дежурный режим
[26] Прочее
[27] Регулирование производительности
[28] Фиксированное/ступенчатое/плавное
[29] GWP хладагента, килограмм-эквивалентов CO2 (100 лет)
[30] Для тепловых насосов типа «воздух-воздух»
[31] Номинальный расход воздуха (по наружному воздуху), $м^3/ч$
[32] Контактная информация

1 - STANDARD UNITS WITH OUTDOOR EC FAN (ELECTRONIC FAN)

1.1. REVERSIBLE HEAT PUMPS

COOLING MODE

Model	IPJ-0420
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	97,7
Seasonal space cooling energy efficiency, %	ηs,c	193%
Seasonal coefficient of performance, kWh/kWh	SEER	4,91
Sound power level, outdoor, dB	LWA	86

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	97,7	3,24	-
+ 30	72,0	3,96	-
+ 25	46,3	5,50	-
+ 20	30,2	6,72	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	44.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1 - STANDARD UNITS WITH OUTDOOR EC FAN (ELECTRONIC FAN)

1.1. REVERSIBLE HEAT PUMPS

HEATING MODE

Model	IPJ-0420
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	97,2
Seasonal space heating energy efficiency, %	ηs,h	138%
Seasonal coefficient of performance, kWh/kWh	SCOP	3,53
Sound power level, outdoor, dB	LWA	86

Declared heating capacity and energy efficiency ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Climate:	Average (Strasbourg)		
Bivalent temperature Tbiv, ºC	-5		
Tj, °C	**Heating capacity Pdh, kW**	**COPd, %**	**Degradation coef, Cdh**
- 7	58,8	2,54	–
+ 2	41,9	3,45	–
+ 7	26,9	4,25	–
+ 12	31,4	7,35	0,25
Bivalent temperature	62,8	2,70	–
Operating limit temperature	53,0	2,35	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,25
Crankcase heater mode, kW	PCK	0,20

Supplementary heater

Back-up heating capacity	elbu	24,75
Type of energy input		Electric
Standby mode, kW	PSB	0,25

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	44.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1 - STANDARD UNITS WITH OUTDOOR EC FAN (ELECTRONIC FAN)

1.1. REVERSIBLE HEAT PUMPS

COOLING MODE

Model	IPJ-0450
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	107
Seasonal space cooling energy efficiency, %	ηs,c	188%
Seasonal coefficient of performance, kWh/kWh	SEER	4,79
Sound power level, outdoor, dB	LWA	87

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	107	3,13	-
+ 30	79,0	3,86	-
+ 25	50,8	5,30	-
+ 20	29,5	6,56	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	44.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1 - STANDARD UNITS WITH OUTDOOR EC FAN (ELECTRONIC FAN)

1.1. REVERSIBLE HEAT PUMPS

HEATING MODE

Model	IPJ-0450
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	107
Seasonal space heating energy efficiency, %	ηs,h	138%
Seasonal coefficient of performance, kWh/kWh	SCOP	3,53
Sound power level, outdoor, dB	LWA	87

Declared heating capacity and energy efficiency ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Climate:	Average (Strasbourg)		
Bivalent temperature Tbiv, ºC	-5		
Tj, °C	**Heating capacity Pdh, kW**	**COPd, %**	**Degradation coef, Cdh**
- 7	59,5	2,48	–
+ 2	42,7	3,39	–
+ 7	27,4	4,37	–
+ 12	31,5	7,51	0,25
Bivalent temperature	64,0	2,70	–
Operating limit temperature	56,2	2,39	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,25
Crankcase heater mode, kW	PCK	0,20

Supplementary heater

Back-up heating capacity	elbu	23,06
Type of energy input		Electric
Standby mode, kW	PSB	0,25

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	44.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1 - STANDARD UNITS WITH OUTDOOR EC FAN (ELECTRONIC FAN)

1.1. REVERSIBLE HEAT PUMPS

COOLING MODE

Model	IPJ-0500
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	116
Seasonal space cooling energy efficiency, %	ηs,c	185%
Seasonal coefficient of performance, kWh/kWh	SEER	4,69
Sound power level, outdoor, dB	LWA	87

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	116	3,07	-
+ 30	85,8	3,74	-
+ 25	55,1	5,31	-
+ 20	32,8	6,30	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	44.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1 - STANDARD UNITS WITH OUTDOOR EC FAN (ELECTRONIC FAN)

1.1. REVERSIBLE HEAT PUMPS

HEATING MODE

Model	IPJ-0500
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	118
Seasonal space heating energy efficiency, %	ηs,h	137%
Seasonal coefficient of performance, kWh/kWh	SCOP	3,51
Sound power level, outdoor, dB	LWA	87

Declared heating capacity and energy efficiency ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Climate:	Average (Strasbourg)		
Bivalent temperature Tbiv, ºC	-5		
Tj, °C	**Heating capacity Pdh, kW**	**COPd, %**	**Degradation coef, Cdh**
- 7	72,5	2,49	–
+ 2	51,7	3,36	–
+ 7	33,2	4,32	–
+ 12	35,8	7,49	0,25
Bivalent temperature	77,5	2,70	–
Operating limit temperature	68,7	2,40	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,25
Crankcase heater mode, kW	PCK	0,20

Supplementary heater

Back-up heating capacity	elbu	27,27
Type of energy input		Electric
Standby mode, kW	PSB	0,25

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	44.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1 - STANDARD UNITS WITH OUTDOOR EC FAN (ELECTRONIC FAN)

1.1. REVERSIBLE HEAT PUMPS

COOLING MODE

Model	IPJ-0560
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	126
Seasonal space cooling energy efficiency, %	ηs,c	193%
Seasonal coefficient of performance, kWh/kWh	SEER	4,91
Sound power level, outdoor, dB	LWA	88

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	126	3,15	-
+ 30	93,1	4,08	-
+ 25	59,9	5,45	-
+ 20	39,2	6,63	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	58.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1 - STANDARD UNITS WITH OUTDOOR EC FAN (ELECTRONIC FAN)

1.1. REVERSIBLE HEAT PUMPS

HEATING MODE

Model	IPJ-0560
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	127
Seasonal space heating energy efficiency, %	ηs,h	137%
Seasonal coefficient of performance, kWh/kWh	SCOP	3,51
Sound power level, outdoor, dB	LWA	88

Declared heating capacity and energy efficiency ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Climate:	Average (Strasbourg)		
Bivalent temperature Tbiv, ºC	-5		
Tj, °C	**Heating capacity Pdh, kW**	**COPd, %**	**Degradation coef, Cdh**
- 7	76,8	2,44	–
+ 2	54,7	3,47	–
+ 7	35,2	4,22	–
+ 12	40,9	6,94	0,25
Bivalent temperature	82,1	2,65	–
Operating limit temperature	73,9	2,38	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,25
Crankcase heater mode, kW	PCK	0,20

Supplementary heater

Back-up heating capacity	elbu	27,75
Type of energy input		Electric
Standby mode, kW	PSB	0,25

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	58.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1 - STANDARD UNITS WITH OUTDOOR EC FAN (ELECTRONIC FAN)

1.1. REVERSIBLE HEAT PUMPS

COOLING MODE

Model	IPJ-0620
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	141
Seasonal space cooling energy efficiency, %	ηs,c	187%
Seasonal coefficient of performance, kWh/kWh	SEER	4,76
Sound power level, outdoor, dB	LWA	88

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	141	3,08	-
+ 30	104	3,72	-
+ 25	66,7	5,39	-
+ 20	44,2	6,67	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	58.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1 - STANDARD UNITS WITH OUTDOOR EC FAN (ELECTRONIC FAN)

1.1. REVERSIBLE HEAT PUMPS

HEATING MODE

Model	IPJ-0620
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	144
Seasonal space heating energy efficiency, %	ηs,h	137%
Seasonal coefficient of performance, kWh/kWh	SCOP	3,49
Sound power level, outdoor, dB	LWA	88

Declared heating capacity and energy efficiency ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Climate:	Average (Strasbourg)		
Bivalent temperature Tbiv, ºC	-5		
Tj, °C	**Heating capacity Pdh, kW**	**COPd, %**	**Degradation coef, Cdh**
- 7	87,9	2,48	–
+ 2	62,8	3,35	–
+ 7	40,4	4,46	–
+ 12	45,6	6,92	0,25
Bivalent temperature	94,3	2,64	–
Operating limit temperature	81,4	2,34	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,25
Crankcase heater mode, kW	PCK	0,20

Supplementary heater

Back-up heating capacity	elbu	35,29
Type of energy input		Electric
Standby mode, kW	PSB	0,25

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	58.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1 - STANDARD UNITS WITH OUTDOOR EC FAN (ELECTRONIC FAN)

1.1. REVERSIBLE HEAT PUMPS

COOLING MODE

Model	IPJ-0680
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	155
Seasonal space cooling energy efficiency, %	ηs,c	185%
Seasonal coefficient of performance, kWh/kWh	SEER	4,71
Sound power level, outdoor, dB	LWA	88

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	155	2,96	-
+ 30	114	3,88	-
+ 25	73,4	5,28	-
+ 20	48,9	6,39	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	64.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1 - STANDARD UNITS WITH OUTDOOR EC FAN (ELECTRONIC FAN)

1.1. REVERSIBLE HEAT PUMPS

HEATING MODE

Model	IPJ-0680
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	158
Seasonal space heating energy efficiency, %	ηs,h	135%
Seasonal coefficient of performance, kWh/kWh	SCOP	3,44
Sound power level, outdoor, dB	LWA	88

Declared heating capacity and energy efficiency ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Climate:	Average (Strasbourg)		
Bivalent temperature Tbiv, ºC	-5		
Tj, °C	**Heating capacity Pdh, kW**	**COPd, %**	**Degradation coef, Cdh**
- 7	99,9	2,42	–
+ 2	72,7	3,26	–
+ 7	46,7	4,65	–
+ 12	42,4	5,91	0,25
Bivalent temperature	109	2,60	–
Operating limit temperature	96,0	2,34	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,25
Crankcase heater mode, kW	PCK	0,20

Supplementary heater

Back-up heating capacity	elbu	38,97
Type of energy input		Electric
Standby mode, kW	PSB	0,25

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	64.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1 - STANDARD UNITS WITH OUTDOOR EC FAN (ELECTRONIC FAN)

1.1. REVERSIBLE HEAT PUMPS

COOLING MODE

Model	IPJ-0720
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	163
Seasonal space cooling energy efficiency, %	ηs,c	186%
Seasonal coefficient of performance, kWh/kWh	SEER	4,72
Sound power level, outdoor, dB	LWA	89

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	163	2,88	-
+ 30	120	3,97	-
+ 25	77,2	5,27	-
+ 20	54,0	6,41	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	64.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1 - STANDARD UNITS WITH OUTDOOR EC FAN (ELECTRONIC FAN)

1.1. REVERSIBLE HEAT PUMPS

HEATING MODE

Model	IPJ-0720
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	166
Seasonal space heating energy efficiency, %	ηs,h	135%
Seasonal coefficient of performance, kWh/kWh	SCOP	3,45
Sound power level, outdoor, dB	LWA	89

Declared heating capacity and energy efficiency ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Climate:	Average (Strasbourg)		
Bivalent temperature Tbiv, ºC	-5		
Tj, °C	**Heating capacity Pdh, kW**	**COPd, %**	**Degradation coef, Cdh**
- 7	108	2,36	–
+ 2	80,3	3,31	–
+ 7	51,7	4,35	–
+ 12	57,8	6,95	0,25
Bivalent temperature	120,5	2,65	–
Operating limit temperature	102,9	2,28	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,25
Crankcase heater mode, kW	PCK	0,20

Supplementary heater

Back-up heating capacity	elbu	46,34
Type of energy input		Electric
Standby mode, kW	PSB	0,25

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	64.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1 - STANDARD UNITS WITH OUTDOOR EC FAN (ELECTRONIC FAN)

1.1. REVERSIBLE HEAT PUMPS

COOLING MODE

Model	IPJ-0760
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	176
Seasonal space cooling energy efficiency, %	ηs,c	198%
Seasonal coefficient of performance, kWh/kWh	SEER	5,04
Sound power level, outdoor, dB	LWA	89

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	176	3,26	-
+ 30	129	4,56	-
+ 25	83,1	5,33	-
+ 20	54,9	6,62	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,06

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	80.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1 - STANDARD UNITS WITH OUTDOOR EC FAN (ELECTRONIC FAN)

1.1. REVERSIBLE HEAT PUMPS

HEATING MODE

Model	IPJ-0760
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	184
Seasonal space heating energy efficiency, %	ηs,h	136%
Seasonal coefficient of performance, kWh/kWh	SCOP	3,47
Sound power level, outdoor, dB	LWA	89

Declared heating capacity and energy efficiency ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Climate:	Average (Strasbourg)		
Bivalent temperature Tbiv, ºC	-5		
Tj, °C	**Heating capacity Pdh, kW**	**COPd, %**	**Degradation coef, Cdh**
- 7	113	2,42	–
+ 2	82,2	3,30	–
+ 7	52,9	4,46	–
+ 12	61,1	7,21	0,25
Bivalent temperature	123,4	2,63	–
Operating limit temperature	110,3	2,38	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,25
Crankcase heater mode, kW	PCK	0,20

Supplementary heater

Back-up heating capacity	elbu	42,38
Type of energy input		Electric
Standby mode, kW	PSB	0,25

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	80.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1 - STANDARD UNITS WITH OUTDOOR EC FAN (ELECTRONIC FAN)

1.1. REVERSIBLE HEAT PUMPS

COOLING MODE

Model	IPJ-0840
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	195
Seasonal space cooling energy efficiency, %	ηs,c	191%
Seasonal coefficient of performance, kWh/kWh	SEER	4,86
Sound power level, outdoor, dB	LWA	89

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	195	3,08	-
+ 30	144	4,29	-
+ 25	92,5	5,26	-
+ 20	62,5	6,41	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,06

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	86.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1 - STANDARD UNITS WITH OUTDOOR EC FAN (ELECTRONIC FAN)

1.1. REVERSIBLE HEAT PUMPS

HEATING MODE

Model	IPJ-0840
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	203
Seasonal space heating energy efficiency, %	ηs,h	135%
Seasonal coefficient of performance, kWh/kWh	SCOP	3,46
Sound power level, outdoor, dB	LWA	89

Declared heating capacity and energy efficiency ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Climate:	Average (Strasbourg)		
Bivalent temperature Tbiv, ºC	-5		
Tj, °C	**Heating capacity Pdh, kW**	**COPd, %**	**Degradation coef, Cdh**
- 7	119	2,46	–
+ 2	86,9	3,21	–
+ 7	55,9	4,46	–
+ 12	61,0	7,31	0,25
Bivalent temperature	130	2,72	–
Operating limit temperature	116	2,40	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,25
Crankcase heater mode, kW	PCK	0,20

Supplementary heater

Back-up heating capacity	elbu	45,71
Type of energy input		Electric
Standby mode, kW	PSB	0,25

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	86.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1 - STANDARD UNITS WITH OUTDOOR EC FAN (ELECTRONIC FAN)

1.1. REVERSIBLE HEAT PUMPS

COOLING MODE

Model	IPJ-0960
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	215
Seasonal space cooling energy efficiency, %	ηs,c	191%
Seasonal coefficient of performance, kWh/kWh	SEER	4,84
Sound power level, outdoor, dB	LWA	91

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	215	2,91	-
+ 30	158	3,99	-
+ 25	102	5,39	-
+ 20	72,0	6,83	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,06

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	86.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1 - STANDARD UNITS WITH OUTDOOR EC FAN (ELECTRONIC FAN)

1.1. REVERSIBLE HEAT PUMPS

HEATING MODE

Model	IPJ-0960
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	228
Seasonal space heating energy efficiency, %	ηs,h	136%
Seasonal coefficient of performance, kWh/kWh	SCOP	3,47
Sound power level, outdoor, dB	LWA	91

Declared heating capacity and energy efficiency ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Climate:	Average (Strasbourg)		
Bivalent temperature Tbiv, ºC	-5		
Tj, °C	**Heating capacity Pdh, kW**	**COPd, %**	**Degradation coef, Cdh**
- 7	150	2,36	–
+ 2	111	3,33	–
+ 7	71,3	4,39	–
+ 12	80,7	7,08	0,25
Bivalent temperature	166,3	2,63	–
Operating limit temperature	146,2	2,32	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,25
Crankcase heater mode, kW	PCK	0,20

Supplementary heater

Back-up heating capacity	elbu	59,70
Type of energy input		Electric
Standby mode, kW	PSB	0,25

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	86.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1 - STANDARD UNITS WITH OUTDOOR EC FAN (ELECTRONIC FAN)

1.1. REVERSIBLE HEAT PUMPS

COOLING MODE

Model	IPJ-1050
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	247
Seasonal space cooling energy efficiency, %	ηs,c	187%
Seasonal coefficient of performance, kWh/kWh	SEER	4,75
Sound power level, outdoor, dB	LWA	92

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	247	3,12	-
+ 30	182	3,68	-
+ 25	117	5,44	-
+ 20	71,9	6,41	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	120.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1 - STANDARD UNITS WITH OUTDOOR EC FAN (ELECTRONIC FAN)

1.1. REVERSIBLE HEAT PUMPS

HEATING MODE

Model	IPJ-1050
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	271
Seasonal space heating energy efficiency, %	ηs,h	135%
Seasonal coefficient of performance, kWh/kWh	SCOP	3,46
Sound power level, outdoor, dB	LWA	92

Declared heating capacity and energy efficiency ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Climate:	Average (Strasbourg)		
Bivalent temperature Tbiv, ºC	-5		
Tj, °C	**Heating capacity Pdh, kW**	**COPd, %**	**Degradation coef, Cdh**
- 7	159	2,36	–
+ 2	118	3,16	–
+ 7	75,9	5,05	–
+ 12	82,0	5,88	0,25
Bivalent temperature	177	2,61	–
Operating limit temperature	156	2,32	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,25
Crankcase heater mode, kW	PCK	0,20

Supplementary heater

Back-up heating capacity	elbu	63,46
Type of energy input		Electric
Standby mode, kW	PSB	0,25

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	120.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1 - STANDARD UNITS WITH OUTDOOR EC FAN (ELECTRONIC FAN)

1.1. REVERSIBLE HEAT PUMPS

COOLING MODE

Model	IPJ-1200
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	273
Seasonal space cooling energy efficiency, %	ηs,c	185%
Seasonal coefficient of performance, kWh/kWh	SEER	4,70
Sound power level, outdoor, dB	LWA	93

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	273	2,97	-
+ 30	201	3,73	-
+ 25	129	5,16	-
+ 20	85,8	6,79	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	120.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1 - STANDARD UNITS WITH OUTDOOR EC FAN (ELECTRONIC FAN)

1.1. REVERSIBLE HEAT PUMPS

HEATING MODE

Model	IPJ-1200
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	298
Seasonal space heating energy efficiency, %	ηs,h	135%
Seasonal coefficient of performance, kWh/kWh	SCOP	3,44
Sound power level, outdoor, dB	LWA	93

Declared heating capacity and energy efficiency ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Climate:	Average (Strasbourg)		
Bivalent temperature Tbiv, ºC	-5		
Tj, °C	**Heating capacity Pdh, kW**	**COPd, %**	**Degradation coef, Cdh**
- 7	189	2,37	–
+ 2	141	3,25	–
+ 7	90,4	4,46	–
+ 12	96,0	7,17	0,25
Bivalent temperature	211	2,60	–
Operating limit temperature	184	2,33	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,25
Crankcase heater mode, kW	PCK	0,20

Supplementary heater

Back-up heating capacity	elbu	76,63
Type of energy input		Electric
Standby mode, kW	PSB	0,25

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	120.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1.2. COOLING UNITS

COOLING MODE

Model	RPJ-0420
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	97,4
Seasonal space cooling energy efficiency, %	ηs,c	201%
Seasonal coefficient of performance, kWh/kWh	SEER	5,10
Sound power level, outdoor, dB	LWA	86

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	97,4	3,31	-
+ 30	71,4	4,10	-
+ 25	45,9	5,76	-
+ 20	30,2	7,04	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	44.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1.2. COOLING UNITS

COOLING MODE

Model	RPJ-0450
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	107
Seasonal space cooling energy efficiency, %	ηs,c	194%
Seasonal coefficient of performance, kWh/kWh	SEER	4,93
Sound power level, outdoor, dB	LWA	87

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	107	3,23	-
+ 30	78,8	3,86	-
+ 25	50,6	5,55	-
+ 20	29,5	6,87	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	44.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1.2. COOLING UNITS

COOLING MODE

Model	RPJ-0500
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	116
Seasonal space cooling energy efficiency, %	ηs,c	191%
Seasonal coefficient of performance, kWh/kWh	SEER	4,84
Sound power level, outdoor, dB	LWA	87

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	116	3,17	-
+ 30	85,6	3,74	-
+ 25	55,0	5,56	-
+ 20	32,8	6,60	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	44.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1.2. COOLING UNITS

COOLING MODE

Model	RPJ-0560
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	126
Seasonal space cooling energy efficiency, %	ηs,c	200%
Seasonal coefficient of performance, kWh/kWh	SEER	5,08
Sound power level, outdoor, dB	LWA	88

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	126	3,35	-
+ 30	93,6	4,08	-
+ 25	60,1	5,71	-
+ 20	39,2	6,94	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	58.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1.2. COOLING UNITS

COOLING MODE

Model	RPJ-0620
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	141
Seasonal space cooling energy efficiency, %	ηs,c	193%
Seasonal coefficient of performance, kWh/kWh	SEER	4,91
Sound power level, outdoor, dB	LWA	88

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	141	3,19	-
+ 30	103,6	3,72	-
+ 25	66,6	5,64	-
+ 20	44,2	6,98	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	58.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1.2. COOLING UNITS

COOLING MODE

Model	RPJ-0680
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	155
Seasonal space cooling energy efficiency, %	ηs,c	191%
Seasonal coefficient of performance, kWh/kWh	SEER	4,86
Sound power level, outdoor, dB	LWA	88

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	155	3,07	-
+ 30	114	3,88	-
+ 25	73,4	5,53	-
+ 20	48,9	6,69	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	64.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1.2. COOLING UNITS

COOLING MODE

Model	RPJ-0720
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	163
Seasonal space cooling energy efficiency, %	ηs,c	192%
Seasonal coefficient of performance, kWh/kWh	SEER	4,87
Sound power level, outdoor, dB	LWA	89

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	163	2,99	-
+ 30	120	3,97	-
+ 25	77,3	5,52	-
+ 20	54,0	6,71	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	64.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1.2. COOLING UNITS

COOLING MODE

Model	RPJ-0760
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	175
Seasonal space cooling energy efficiency, %	ηs,c	205%
Seasonal coefficient of performance, kWh/kWh	SEER	5,19
Sound power level, outdoor, dB	LWA	89

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	175	3,35	-
+ 30	128	4,56	-
+ 25	82,5	5,58	-
+ 20	54,9	6,93	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,06

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	80.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1.2. COOLING UNITS

COOLING MODE

Model	RPJ-0840
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	194
Seasonal space cooling energy efficiency, %	ηs,c	198%
Seasonal coefficient of performance, kWh/kWh	SEER	5,01
Sound power level, outdoor, dB	LWA	89

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	194	3,18	-
+ 30	143	4,29	-
+ 25	92,0	5,50	-
+ 20	62,5	6,71	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,06

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	86.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1.2. COOLING UNITS

COOLING MODE

Model	RPJ-0960
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	214
Seasonal space cooling energy efficiency, %	ηs,c	197%
Seasonal coefficient of performance, kWh/kWh	SEER	5,00
Sound power level, outdoor, dB	LWA	91

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	214	3,02	-
+ 30	158	4,00	-
+ 25	101	5,64	-
+ 20	72,0	7,15	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,06

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	86.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1.2. COOLING UNITS

COOLING MODE

Model	RPJ-1050
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	245
Seasonal space cooling energy efficiency, %	ηs,c	193%
Seasonal coefficient of performance, kWh/kWh	SEER	4,90
Sound power level, outdoor, dB	LWA	92

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	245	3,23	-
+ 30	180	3,68	-
+ 25	116	5,69	-
+ 20	71,9	6,71	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	120.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

1.2. COOLING UNITS

COOLING MODE

Model	RPJ-1200
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	271
Seasonal space cooling energy efficiency, %	ηs,c	191%
Seasonal coefficient of performance, kWh/kWh	SEER	4,85
Sound power level, outdoor, dB	LWA	93

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	271	3,07	-
+ 30	200	3,75	-
+ 25	128	5,41	-
+ 20	85,8	7,11	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	120.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
No Accessories or Installed Options selected

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.1. REVERSIBLE HEAT PUMPS

COOLING MODE

Model	IPJ-0420
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	97,7
Seasonal space cooling energy efficiency, %	ηs,c	165%
Seasonal coefficient of performance, kWh/kWh	SEER	4,21
Sound power level, outdoor, dB	LWA	86

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	97,7	3,22	-
+ 30	72,0	3,54	-
+ 25	46,3	4,64	-
+ 20	30,2	5,23	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	44.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.1. REVERSIBLE HEAT PUMPS

HEATING MODE

Model	IPJ-0420
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	97,2
Seasonal space heating energy efficiency, %	ηs,h	132%
Seasonal coefficient of performance, kWh/kWh	SCOP	3,38
Sound power level, outdoor, dB	LWA	86

Declared heating capacity and energy efficiency ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Climate:	Average (Strasbourg)		
Bivalent temperature Tbiv, ºC	-5		
Tj, °C	**Heating capacity Pdh, kW**	**COPd, %**	**Degradation coef, Cdh**
- 7	58,8	2,43	–
+ 2	44,7	3,24	–
+ 7	28,7	4,34	–
+ 12	31,6	6,02	0,25
Bivalent temperature	67,0	2,67	–
Operating limit temperature	53,0	2,21	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,25
Crankcase heater mode, kW	PCK	0,20

Supplementary heater

Back-up heating capacity	elbu	29,95
Type of energy input		Electric
Standby mode, kW	PSB	0,25

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	44.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.1. REVERSIBLE HEAT PUMPS

COOLING MODE

Model	IPJ-0450
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	107
Seasonal space cooling energy efficiency, %	ηs,c	164%
Seasonal coefficient of performance, kWh/kWh	SEER	4,19
Sound power level, outdoor, dB	LWA	87

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	107	3,11	-
+ 30	79,0	3,42	-
+ 25	50,8	4,68	-
+ 20	34,9	5,39	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	44.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.1. REVERSIBLE HEAT PUMPS

HEATING MODE

Model	IPJ-0450
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	107
Seasonal space heating energy efficiency, %	ηs,h	131%
Seasonal coefficient of performance, kWh/kWh	SCOP	3,36
Sound power level, outdoor, dB	LWA	87

Declared heating capacity and energy efficiency ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Climate:	Average (Strasbourg)		
Bivalent temperature Tbiv, ºC	-5		
Tj, °C	**Heating capacity Pdh, kW**	**COPd, %**	**Degradation coef, Cdh**
- 7	59,6	2,15	–
+ 2	43,3	3,31	–
+ 7	27,9	4,35	–
+ 12	31,5	6,67	0,25
Bivalent temperature	65,0	2,41	–
Operating limit temperature	56,3	2,11	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,25
Crankcase heater mode, kW	PCK	0,20

Supplementary heater

Back-up heating capacity	elbu	24,21
Type of energy input		Electric
Standby mode, kW	PSB	0,25

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	44.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.1. REVERSIBLE HEAT PUMPS

COOLING MODE

Model	IPJ-0500
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	116
Seasonal space cooling energy efficiency, %	ηs,c	161%
Seasonal coefficient of performance, kWh/kWh	SEER	4,11
Sound power level, outdoor, dB	LWA	87

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	116	3,06	-
+ 30	85,8	3,60	-
+ 25	55,1	4,51	-
+ 20	32,7	4,90	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	44.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.1. REVERSIBLE HEAT PUMPS

HEATING MODE

Model	IPJ-0500
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	118
Seasonal space heating energy efficiency, %	ηs,h	131%
Seasonal coefficient of performance, kWh/kWh	SCOP	3,35
Sound power level, outdoor, dB	LWA	87

Declared heating capacity and energy efficiency ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Climate:	Average (Strasbourg)		
Bivalent temperature Tbiv, ºC	-5		
Tj, °C	**Heating capacity Pdh, kW**	**COPd, %**	**Degradation coef, Cdh**
- 7	72,5	2,42	–
+ 2	49,3	3,31	–
+ 7	31,7	3,94	–
+ 12	36,2	6,21	0,25
Bivalent temperature	74,0	2,64	–
Operating limit temperature	65,3	2,31	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,25
Crankcase heater mode, kW	PCK	0,20

Supplementary heater

Back-up heating capacity	elbu	26,36
Type of energy input		Electric
Standby mode, kW	PSB	0,25

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	44.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.1. REVERSIBLE HEAT PUMPS

COOLING MODE

Model	IPJ-0560
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	126
Seasonal space cooling energy efficiency, %	ηs,c	166%
Seasonal coefficient of performance, kWh/kWh	SEER	4,22
Sound power level, outdoor, dB	LWA	88

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	126	3,11	-
+ 30	93,1	3,96	-
+ 25	59,9	4,61	-
+ 20	40,9	4,83	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	58.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.1. REVERSIBLE HEAT PUMPS

HEATING MODE

Model	IPJ-0560
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	127
Seasonal space heating energy efficiency, %	ηs,h	131%
Seasonal coefficient of performance, kWh/kWh	SCOP	3,36
Sound power level, outdoor, dB	LWA	88

Declared heating capacity and energy efficiency ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Climate:	Average (Strasbourg)		
Bivalent temperature Tbiv, ºC	-5		
Tj, °C	**Heating capacity Pdh, kW**	**COPd, %**	**Degradation coef, Cdh**
- 7	82,6	2,49	–
+ 2	63,1	3,47	–
+ 7	40,6	3,89	–
+ 12	42,0	4,57	0,25
Bivalent temperature	94,6	2,83	–
Operating limit temperature	74,9	2,28	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,25
Crankcase heater mode, kW	PCK	0,20

Supplementary heater

Back-up heating capacity	elbu	42,29
Type of energy input		Electric
Standby mode, kW	PSB	0,25

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	58.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.1. REVERSIBLE HEAT PUMPS

COOLING MODE

Model	IPJ-0620
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	141
Seasonal space cooling energy efficiency, %	ηs,c	164%
Seasonal coefficient of performance, kWh/kWh	SEER	4,17
Sound power level, outdoor, dB	LWA	88

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	141	3,05	-
+ 30	104	3,81	-
+ 25	66,7	4,52	-
+ 20	45,2	4,97	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	58.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.1. REVERSIBLE HEAT PUMPS

HEATING MODE

Model	IPJ-0620
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	144
Seasonal space heating energy efficiency, %	ηs,h	132%
Seasonal coefficient of performance, kWh/kWh	SCOP	3,36
Sound power level, outdoor, dB	LWA	88

Declared heating capacity and energy efficiency ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Climate:	Average (Strasbourg)		
Bivalent temperature Tbiv, ºC	-5		
Tj, °C	**Heating capacity Pdh, kW**	**COPd, %**	**Degradation coef, Cdh**
- 7	89,7	2,47	–
+ 2	68,8	3,53	–
+ 7	44,2	3,85	–
+ 12	46,8	4,53	0,25
Bivalent temperature	103,2	2,79	–
Operating limit temperature	80,0	2,22	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,25
Crankcase heater mode, kW	PCK	0,20

Supplementary heater

Back-up heating capacity	elbu	47,74
Type of energy input		Electric
Standby mode, kW	PSB	0,25

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	58.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.1. REVERSIBLE HEAT PUMPS

COOLING MODE

Model	IPJ-0680
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	155
Seasonal space cooling energy efficiency, %	ηs,c	156%
Seasonal coefficient of performance, kWh/kWh	SEER	3,98
Sound power level, outdoor, dB	LWA	88

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	155	2,95	-
+ 30	114	3,67	-
+ 25	73,4	4,29	-
+ 20	49,1	4,69	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	64.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.1. REVERSIBLE HEAT PUMPS

HEATING MODE

Model	IPJ-0680
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	158
Seasonal space heating energy efficiency, %	ηs,h	129%
Seasonal coefficient of performance, kWh/kWh	SCOP	3,29
Sound power level, outdoor, dB	LWA	88

Declared heating capacity and energy efficiency ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Climate:	Average (Strasbourg)		
Bivalent temperature Tbiv, ºC	-5		
Tj, °C	**Heating capacity Pdh, kW**	**COPd, %**	**Degradation coef, Cdh**
- 7	109	2,49	–
+ 2	81,9	3,28	–
+ 7	52,7	3,95	–
+ 12	52,4	4,65	0,25
Bivalent temperature	122,9	2,78	–
Operating limit temperature	100,8	2,33	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,25
Crankcase heater mode, kW	PCK	0,20

Supplementary heater

Back-up heating capacity	elbu	51,35
Type of energy input		Electric
Standby mode, kW	PSB	0,25

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	64.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.1. REVERSIBLE HEAT PUMPS

COOLING MODE

Model	IPJ-0720
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	163
Seasonal space cooling energy efficiency, %	ηs,c	156%
Seasonal coefficient of performance, kWh/kWh	SEER	3,99
Sound power level, outdoor, dB	LWA	89

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	163	2,87	-
+ 30	120	3,72	-
+ 25	77,2	4,29	-
+ 20	54,3	4,76	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	64.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.1. REVERSIBLE HEAT PUMPS

HEATING MODE

Model	IPJ-0720
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	166
Seasonal space heating energy efficiency, %	ηs,h	129%
Seasonal coefficient of performance, kWh/kWh	SCOP	3,30
Sound power level, outdoor, dB	LWA	89

Declared heating capacity and energy efficiency ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Climate:	Average (Strasbourg)		
Bivalent temperature Tbiv, ºC	-5		
Tj, °C	**Heating capacity Pdh, kW**	**COPd, %**	**Degradation coef, Cdh**
- 7	110	2,29	–
+ 2	88,9	3,36	–
+ 7	57,1	3,97	–
+ 12	58,7	4,61	0,25
Bivalent temperature	133,3	2,78	–
Operating limit temperature	100,2	2,10	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,25
Crankcase heater mode, kW	PCK	0,20

Supplementary heater

Back-up heating capacity	elbu	64,82
Type of energy input		Electric
Standby mode, kW	PSB	0,25

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	64.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.1. REVERSIBLE HEAT PUMPS

COOLING MODE

Model	IPJ-0760
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	176
Seasonal space cooling energy efficiency, %	ηs,c	171%
Seasonal coefficient of performance, kWh/kWh	SEER	4,36
Sound power level, outdoor, dB	LWA	89

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	176	3,16	-
+ 30	129	3,97	-
+ 25	83,1	4,71	-
+ 20	55,8	5,25	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,06

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	80.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.1. REVERSIBLE HEAT PUMPS

HEATING MODE

Model	IPJ-0760
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	184
Seasonal space heating energy efficiency, %	ηs,h	132%
Seasonal coefficient of performance, kWh/kWh	SCOP	3,36
Sound power level, outdoor, dB	LWA	89

Declared heating capacity and energy efficiency ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Climate:	Average (Strasbourg)		
Bivalent temperature Tbiv, ºC	-5		
Tj, °C	**Heating capacity Pdh, kW**	**COPd, %**	**Degradation coef, Cdh**
- 7	109	2,29	–
+ 2	89,3	3,43	–
+ 7	57,4	4,05	–
+ 12	63,3	4,77	0,25
Bivalent temperature	134	2,81	–
Operating limit temperature	105	2,23	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,25
Crankcase heater mode, kW	PCK	0,20

Supplementary heater

Back-up heating capacity	elbu	60,60
Type of energy input		Electric
Standby mode, kW	PSB	0,25

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	80.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.1. REVERSIBLE HEAT PUMPS

COOLING MODE

Model	IPJ-0840
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	195
Seasonal space cooling energy efficiency, %	ηs,c	167%
Seasonal coefficient of performance, kWh/kWh	SEER	4,25
Sound power level, outdoor, dB	LWA	89

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	195	3,04	-
+ 30	144	3,91	-
+ 25	92,5	4,62	-
+ 20	63,3	4,43	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,06

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	86.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.1. REVERSIBLE HEAT PUMPS

HEATING MODE

Model	IPJ-0840
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	203
Seasonal space heating energy efficiency, %	ηs,h	129%
Seasonal coefficient of performance, kWh/kWh	SCOP	3,30
Sound power level, outdoor, dB	LWA	89

Declared heating capacity and energy efficiency ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Climate:	Average (Strasbourg)		
Bivalent temperature Tbiv, ºC	-5		
Tj, °C	**Heating capacity Pdh, kW**	**COPd, %**	**Degradation coef, Cdh**
- 7	107	2,20	–
+ 2	86,7	3,29	–
+ 7	55,7	4,12	–
+ 12	61,6	4,88	0,25
Bivalent temperature	130	2,72	–
Operating limit temperature	98,2	2,05	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,25
Crankcase heater mode, kW	PCK	0,20

Supplementary heater

Back-up heating capacity	elbu	62,72
Type of energy input		Electric
Standby mode, kW	PSB	0,25

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	86.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.1. REVERSIBLE HEAT PUMPS

COOLING MODE

Model	IPJ-0960
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	215
Seasonal space cooling energy efficiency, %	ηs,c	167%
Seasonal coefficient of performance, kWh/kWh	SEER	4,26
Sound power level, outdoor, dB	LWA	91

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	215	2,88	-
+ 30	158	4,00	-
+ 25	102	4,53	-
+ 20	72,1	5,25	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,06

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	86.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.1. REVERSIBLE HEAT PUMPS

HEATING MODE

Model	IPJ-0960
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	228
Seasonal space heating energy efficiency, %	ηs,h	130%
Seasonal coefficient of performance, kWh/kWh	SCOP	3,32
Sound power level, outdoor, dB	LWA	91

Declared heating capacity and energy efficiency ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Climate:	Average (Strasbourg)		
Bivalent temperature Tbiv, ºC	-5		
Tj, °C	**Heating capacity Pdh, kW**	**COPd, %**	**Degradation coef, Cdh**
- 7	140	2,23	–
+ 2	117	3,17	–
+ 7	75,0	4,31	–
+ 12	82,0	5,12	0,25
Bivalent temperature	175	2,79	–
Operating limit temperature	137	2,19	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,25
Crankcase heater mode, kW	PCK	0,20

Supplementary heater

Back-up heating capacity	elbu	80,15
Type of energy input		Electric
Standby mode, kW	PSB	0,25

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	86.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.1. REVERSIBLE HEAT PUMPS

COOLING MODE

Model	IPJ-1050
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	247
Seasonal space cooling energy efficiency, %	ηs,c	162%
Seasonal coefficient of performance, kWh/kWh	SEER	4,13
Sound power level, outdoor, dB	LWA	92

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	247	3,18	-
+ 30	182	3,90	-
+ 25	117	4,42	-
+ 20	71,9	4,66	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	120.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.1. REVERSIBLE HEAT PUMPS

HEATING MODE

Model	IPJ-1050
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	271
Seasonal space heating energy efficiency, %	ηs,h	130%
Seasonal coefficient of performance, kWh/kWh	SCOP	3,31
Sound power level, outdoor, dB	LWA	92

Declared heating capacity and energy efficiency ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Climate:	Average (Strasbourg)		
Bivalent temperature Tbiv, ºC	-5		
Tj, °C	**Heating capacity Pdh, kW**	**COPd, %**	**Degradation coef, Cdh**
- 7	145	2,18	–
+ 2	117	3,23	–
+ 7	75,0	4,33	–
+ 12	84,3	5,18	0,25
Bivalent temperature	175	2,63	–
Operating limit temperature	140	2,14	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,25
Crankcase heater mode, kW	PCK	0,20

Supplementary heater

Back-up heating capacity	elbu	76,29
Type of energy input		Electric
Standby mode, kW	PSB	0,25

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	120.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.1. REVERSIBLE HEAT PUMPS

COOLING MODE

Model	IPJ-1200
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	273
Seasonal space cooling energy efficiency, %	ηs,c	157%
Seasonal coefficient of performance, kWh/kWh	SEER	3,99
Sound power level, outdoor, dB	LWA	93

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	273	3,01	-
+ 30	201	3,61	-
+ 25	129	4,32	-
+ 20	85,4	4,71	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	120.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.1. REVERSIBLE HEAT PUMPS

HEATING MODE

Model	IPJ-1200
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	298
Seasonal space heating energy efficiency, %	ηs,h	129%
Seasonal coefficient of performance, kWh/kWh	SCOP	3,30
Sound power level, outdoor, dB	LWA	93

Declared heating capacity and energy efficiency ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Climate:	Average (Strasbourg)		
Bivalent temperature Tbiv, ºC	-5		
Tj, °C	**Heating capacity Pdh, kW**	**COPd, %**	**Degradation coef, Cdh**
- 7	171	2,22	–
+ 2	140	3,36	–
+ 7	90,0	4,04	–
+ 12	98,2	4,67	0,25
Bivalent temperature	210	2,68	–
Operating limit temperature	166	2,17	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,25
Crankcase heater mode, kW	PCK	0,20

Supplementary heater

Back-up heating capacity	elbu	93,55
Type of energy input		Electric
Standby mode, kW	PSB	0,25

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	120.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2.2. COOLING UNITS

COOLING MODE

Model	RPJ-0420
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	97,4
Seasonal space cooling energy efficiency, %	ηs,c	170%
Seasonal coefficient of performance, kWh/kWh	SEER	4,32
Sound power level, outdoor, dB	LWA	86

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	97,4	3,18	-
+ 30	71,4	3,56	-
+ 25	45,9	4,86	-
+ 20	30,2	5,48	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	44.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.2. COOLING UNITS

COOLING MODE

Model	RPJ-0450
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	107
Seasonal space cooling energy efficiency, %	ηs,c	169%
Seasonal coefficient of performance, kWh/kWh	SEER	4,31
Sound power level, outdoor, dB	LWA	87

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	107	3,14	-
+ 30	78,8	3,42	-
+ 25	50,6	4,90	-
+ 20	35,0	5,64	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	44.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2.2. COOLING UNITS

COOLING MODE

Model	RPJ-0500
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	116
Seasonal space cooling energy efficiency, %	ηs,c	166%
Seasonal coefficient of performance, kWh/kWh	SEER	4,24
Sound power level, outdoor, dB	LWA	87

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	116	3,09	-
+ 30	85,6	3,60	-
+ 25	55,0	4,72	-
+ 20	32,7	5,13	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	44.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.2. COOLING UNITS

COOLING MODE

Model	RPJ-0560
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	126
Seasonal space cooling energy efficiency, %	ηs,c	171%
Seasonal coefficient of performance, kWh/kWh	SEER	4,36
Sound power level, outdoor, dB	LWA	88

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	126	3,22	-
+ 30	93,6	3,96	-
+ 25	60,1	4,83	-
+ 20	40,9	5,06	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	58.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2.2. COOLING UNITS

COOLING MODE

Model	RPJ-0620
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	141
Seasonal space cooling energy efficiency, %	ηs,c	169%
Seasonal coefficient of performance, kWh/kWh	SEER	4,30
Sound power level, outdoor, dB	LWA	88

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	141	3,06	-
+ 30	104	3,82	-
+ 25	66,6	4,74	-
+ 20	45,2	5,21	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	58.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.2. COOLING UNITS

COOLING MODE

Model	RPJ-0680
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	155
Seasonal space cooling energy efficiency, %	ηs,c	161%
Seasonal coefficient of performance, kWh/kWh	SEER	4,10
Sound power level, outdoor, dB	LWA	88

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	155	2,97	-
+ 30	114	3,67	-
+ 25	73,4	4,49	-
+ 20	49,1	4,92	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	64.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2.2. COOLING UNITS

COOLING MODE

Model	RPJ-0720
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	163
Seasonal space cooling energy efficiency, %	ηs,c	161%
Seasonal coefficient of performance, kWh/kWh	SEER	4,11
Sound power level, outdoor, dB	LWA	89

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	163	2,89	-
+ 30	120	3,71	-
+ 25	77,3	4,49	-
+ 20	54,3	4,99	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	64.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.2. COOLING UNITS

COOLING MODE

Model	RPJ-0760
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	175
Seasonal space cooling energy efficiency, %	ηs,c	177%
Seasonal coefficient of performance, kWh/kWh	SEER	4,49
Sound power level, outdoor, dB	LWA	89

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	175	3,20	-
+ 30	1285	3,98	-
+ 25	82,5	4,92	-
+ 20	55,8	5,50	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	80.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2.2. COOLING UNITS

COOLING MODE

Model	RPJ-0840
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	194
Seasonal space cooling energy efficiency, %	ηs,c	172%
Seasonal coefficient of performance, kWh/kWh	SEER	4,38
Sound power level, outdoor, dB	LWA	89

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	194	3,07	-
+ 30	143	3,92	-
+ 25	92,0	4,83	-
+ 20	63,3	4,43	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	86.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.2. COOLING UNITS

COOLING MODE

Model	RPJ-0960
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	214
Seasonal space cooling energy efficiency, %	ηs,c	172%
Seasonal coefficient of performance, kWh/kWh	SEER	4,39
Sound power level, outdoor, dB	LWA	91

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	214	2,91	-
+ 30	158	4,00	-
+ 25	101	4,74	-
+ 20	72,1	5,50	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	86.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2.2. COOLING UNITS

COOLING MODE

Model	RPJ-1050
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	245
Seasonal space cooling energy efficiency, %	ηs,c	167%
Seasonal coefficient of performance, kWh/kWh	SEER	4,24
Sound power level, outdoor, dB	LWA	92

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	245	3,09	-
+ 30	180	3,91	-
+ 25	116	4,62	-
+ 20	72,0	4,88	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	120.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2 - OPTIONAL UNITS WITH OUTDOOR AC FAN (2-SPEED AXIAL FAN)

2.2. COOLING UNITS

COOLING MODE

Model	RPJ-1200
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	271
Seasonal space cooling energy efficiency, %	ηs,c	161%
Seasonal coefficient of performance, kWh/kWh	SEER	4,11
Sound power level, outdoor, dB	LWA	93

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)

Climate:	Average (Strasbourg)		
Tj, °C	**Cooling capacity Pdc, kW**	**EERd, %**	**Degradation coef, Cdc**
+ 35	271	2,96	-
+ 30	200	3,62	-
+ 25	128	4,52	-
+ 20	85,4	4,93	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,05
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	466

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	120.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

The quality management system of this product's assembly site has been certified in accordance with the requirements of the ISO 9001 standard (latest current version) after an assessment conducted by an authorized independent third party.
The environmental management system of this product's assembly site has been certified in accordance with the requirements of the ISO 14001 standard (latest current version) after an assessment conducted by an authorized independent third party.
The occupational health and safety management system of this product's assembly site has been certified in accordance with the requirements of the ISO 45001 standard (latest current version) after an assessment conducted by an authorized independent third party.
Please contact your sales representative for more information.

Order No.: 10702 12.2023.Supersedes order No.: 03.2022 Carrier, Montluel, France
Manufacturer reserves the right to change any product specifications without notice.

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