10238

12 - 2023

VECTIOS™ PJ R-410A

Ecodesign manual
(2281/2016 Regulation)

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-0090
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	22,3
Seasonal space cooling energy efficiency, %	ηs,c	193%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,91
Sound power level, outdoor, dB	LWA	78

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	22,3	3,18	-
+ 30	16,6	4,08	-
+ 25	10,7	6,09	0,25
+ 20	15,2	7,05	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,02
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,02

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	9.000

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-0090
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	21,9
Seasonal space heating energy efficiency, %	ηs,h	136%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,48
Sound power level, outdoor, dB	LWA	78

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	15,6	2,98	–
+ 2	11,1	3,47	–
+ 7	12,0	4,44	0,25
+ 12	13,8	5,03	0,25
Bivalent temperature	16,6	3,15	–
Operating limit temperature	14,2	2,78	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,12
Crankcase heater mode, kW	PCK	0,10

Supplementary heater

Back-up heating capacity	elbu	6,55
Type of energy input		Electric
Standby mode, kW	PSB	0,12

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	9.000

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-0120
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	27,8
Seasonal space cooling energy efficiency, %	ηs,c	193%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,89
Sound power level, outdoor, dB	LWA	82

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	27,8	3,09	-
+ 30	20,7	3,97	-
+ 25	18,1	6,25	0,25
+ 20	18,7	6,86	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,02
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,02

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	14.500

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-0120
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	27,8
Seasonal space heating energy efficiency, %	ηs,h	135%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,45
Sound power level, outdoor, dB	LWA	82

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	20,0	2,85	–
+ 2	14,3	3,28	–
+ 7	15,7	4,70	0,25
+ 12	17,9	5,66	0,25
Bivalent temperature	21,4	2,99	–
Operating limit temperature	18,5	2,67	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,12
Crankcase heater mode, kW	PCK	0,10

Supplementary heater

Back-up heating capacity	elbu	8,25
Type of energy input		Electric
Standby mode, kW	PSB	0,12

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	14.500

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-0140
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	33,5
Seasonal space cooling energy efficiency, %	ηs,c	181%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,60
Sound power level, outdoor, dB	LWA	83

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	33,5	3,30	-
+ 30	24,9	4,29	-
+ 25	22,7	5,31	0,25
+ 20	23,4	6,20	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,02
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,02

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	17.000

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-0140
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	33,0
Seasonal space heating energy efficiency, %	ηs,h	135%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,45
Sound power level, outdoor, dB	LWA	83

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	23,9	2,85	–
+ 2	17,0	3,18	–
+ 7	18,3	4,82	0,25
+ 12	21,1	5,76	0,25
Bivalent temperature	25,5	3,02	–
Operating limit temperature	22,1	2,72	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,12
Crankcase heater mode, kW	PCK	0,10

Supplementary heater

Back-up heating capacity	elbu	9,55
Type of energy input		Electric
Standby mode, kW	PSB	0,12

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	17.000

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-0160
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	37,0
Seasonal space cooling energy efficiency, %	ηs,c	175%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,46
Sound power level, outdoor, dB	LWA	83

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	37,0	3,18	-
+ 30	27,5	3,87	-
+ 25	23,1	5,02	0,25
+ 20	23,4	6,60	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,02
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,02

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	17.000

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-0160
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	36,6
Seasonal space heating energy efficiency, %	ηs,h	135%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,45
Sound power level, outdoor, dB	LWA	83

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	27,4	2,93	–
+ 2	19,6	3,28	–
+ 7	21,5	4,65	0,25
+ 12	23,9	5,49	0,25
Bivalent temperature	29,4	3,05	–
Operating limit temperature	25,6	2,76	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,12
Crankcase heater mode, kW	PCK	0,10

Supplementary heater

Back-up heating capacity	elbu	10,76
Type of energy input		Electric
Standby mode, kW	PSB	0,12

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	17.000

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-0180
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	41,7
Seasonal space cooling energy efficiency, %	ηs,c	171%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,35
Sound power level, outdoor, dB	LWA	83

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	41,7	3,14	-
+ 30	30,9	3,73	-
+ 25	28,2	4,95	0,25
+ 20	29,1	6,61	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,02
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,02

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	17.000

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-0180
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	41,8
Seasonal space heating energy efficiency, %	ηs,h	136%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,47
Sound power level, outdoor, dB	LWA	83

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	30,6	2,88	–
+ 2	21,8	3,32	–
+ 7	23,8	4,65	0,25
+ 12	27,3	5,56	0,25
Bivalent temperature	32,7	3,03	–
Operating limit temperature	28,3	2,77	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,12
Crankcase heater mode, kW	PCK	0,10

Supplementary heater

Back-up heating capacity	elbu	12,19
Type of energy input		Electric
Standby mode, kW	PSB	0,12

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	17.000

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-0190
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	44,1
Seasonal space cooling energy efficiency, %	ηs,c	173%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,40
Sound power level, outdoor, dB	LWA	84

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	44,1	3,12	-
+ 30	32,7	3,74	-
+ 25	30,0	5,00	0,25
+ 20	31,2	6,79	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,02
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,02

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	17.750

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-0190
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	44,5
Seasonal space heating energy efficiency, %	ηs,h	135%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,45
Sound power level, outdoor, dB	LWA	84

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	32,6	2,80	–
+ 2	23,2	3,34	–
+ 7	25,4	4,58	0,25
+ 12	29,0	5,52	0,25
Bivalent temperature	34,8	2,96	–
Operating limit temperature	30,1	2,71	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,12
Crankcase heater mode, kW	PCK	0,10

Supplementary heater

Back-up heating capacity	elbu	12,97
Type of energy input		Electric
Standby mode, kW	PSB	0,12

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	17.750

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-0200
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	53,2
Seasonal space cooling energy efficiency, %	ηs,c	190%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,83
Sound power level, outdoor, dB	LWA	85

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	53,2	3,22	-
+ 30	39,6	3,99	-
+ 25	25,4	5,13	-
+ 20	18,2	7,15	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	31.000

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-0200
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	50,8
Seasonal space heating energy efficiency, %	ηs,h	141%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,60
Sound power level, outdoor, dB	LWA	85

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	35,3	2,98	–
+ 2	25,3	3,80	–
+ 7	16,2	3,95	–
+ 12	17,9	4,40	0,25
Bivalent temperature	37,9	3,19	–
Operating limit temperature	32,8	2,79	–

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	14,09
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)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	31.000

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-0220
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	57,7
Seasonal space cooling energy efficiency, %	ηs,c	191%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,85
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	57,7	3,14	-
+ 30	43,0	3,84	-
+ 25	27,6	5,23	-
+ 20	18,3	7,31	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	31.000

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-0220
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	55,9
Seasonal space heating energy efficiency, %	ηs,h	144%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,68
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	39,5	2,96	–
+ 2	27,9	3,93	–
+ 7	18,0	4,08	–
+ 12	18,2	4,53	0,25
Bivalent temperature	41,9	3,13	–
Operating limit temperature	36,4	2,77	–

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	15,45
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)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	31.000

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-0240
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	60,3
Seasonal space cooling energy efficiency, %	ηs,c	193%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,90
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	60,3	3,11	-
+ 30	44,9	3,81	-
+ 25	28,9	5,42	-
+ 20	18,3	7,32	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	31.000

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-0240
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	58,7
Seasonal space heating energy efficiency, %	ηs,h	137%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,50
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	41,6	2,79	–
+ 2	29,6	3,67	–
+ 7	19,1	4,04	–
+ 12	18,2	4,35	0,25
Bivalent temperature	44,4	2,91	–
Operating limit temperature	39,0	2,54	–

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	16,04
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)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	31.000

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-0280
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	68,3
Seasonal space cooling energy efficiency, %	ηs,c	183%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,66
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	68,3	3,22	-
+ 30	50,9	3,86	-
+ 25	32,7	5,08	-
+ 20	19,9	6,22	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	33.000

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-0280
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	67,8
Seasonal space heating energy efficiency, %	ηs,h	141%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,60
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	46,8	2,77	–
+ 2	34,4	3,38	–
+ 7	22,1	4,17	–
+ 12	20,4	4,81	0,25
Bivalent temperature	51,6	2,89	–
Operating limit temperature	44,9	2,55	–

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	19,44
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)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	33.000

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-0320
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	72,3
Seasonal space cooling energy efficiency, %	ηs,c	180%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,57
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	72,3	3,17	-
+ 30	53,8	3,87	-
+ 25	34,6	4,81	-
+ 20	19,9	6,22	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	33.000

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-0320
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	71,9
Seasonal space heating energy efficiency, %	ηs,h	141%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,59
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	51,6	2,81	–
+ 2	36,7	3,68	–
+ 7	23,6	4,16	–
+ 12	20,8	4,86	0,25
Bivalent temperature	55,0	2,97	–
Operating limit temperature	48,0	2,65	–

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	20,10
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)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	33.000

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-0360
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	80,8
Seasonal space cooling energy efficiency, %	ηs,c	176%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,47
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	80,8	3,15	-
+ 30	60,1	3,55	-
+ 25	38,6	4,81	-
+ 20	25,8	6,44	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	34.500

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-0360
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	80,5
Seasonal space heating energy efficiency, %	ηs,h	139%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,56
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	58,2	2,82	–
+ 2	41,5	3,64	–
+ 7	26,7	4,22	–
+ 12	26,5	4,76	0,25
Bivalent temperature	62,2	2,93	–
Operating limit temperature	54,0	2,70	–

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	23,94
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)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	34.500

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-0380
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	90,3
Seasonal space cooling energy efficiency, %	ηs,c	176%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,47
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	90,3	3,14	-
+ 30	67,2	3,52	-
+ 25	43,2	4,82	-
+ 20	27,4	6,44	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	35.000

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-0380
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	89,8
Seasonal space heating energy efficiency, %	ηs,h	140%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,58
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	65,1	2,80	–
+ 2	46,3	3,80	–
+ 7	29,8	4,11	–
+ 12	28,4	4,39	0,25
Bivalent temperature	69,5	2,91	–
Operating limit temperature	60,2	2,68	–

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	25,79
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)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	35.000

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-0400
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	98,2
Seasonal space cooling energy efficiency, %	ηs,c	169%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,31
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	98,2	2,70	-
+ 30	72,3	3,36	-
+ 25	46,5	4,78	-
+ 20	28,6	6,27	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	39.500

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

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

1.1. REVERSIBLE HEAT PUMPS

HEATING MODE

Model	IPJ-0400
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	100
Seasonal space heating energy efficiency, %	ηs,h	128%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,28
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	68,1	2,44	–
+ 2	37,6	3,17	–
+ 7	24,2	3,89	–
+ 12	35,3	6,24	0,25
Bivalent temperature	56,4	2,72	–
Operating limit temperature	20,2	2,15	–

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	49,70
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)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	39.500

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

1.2. COOLING UNITS

COOLING MODE

Model	RPJ-0090
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	22,8
Seasonal space cooling energy efficiency, %	ηs,c	194%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,92
Sound power level, outdoor, dB	LWA	78

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	22,8	3,19	-
+ 30	17,0	4,11	-
+ 25	14,6	6,09	0,25
+ 20	15,2	7,01	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,02
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,02

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	9.000

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-0120
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	28,7
Seasonal space cooling energy efficiency, %	ηs,c	193%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,89
Sound power level, outdoor, dB	LWA	82

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	28,7	3,09	-
+ 30	21,4	3,92	-
+ 25	18,1	6,25	0,25
+ 20	18,7	6,83	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,02
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,02

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	14.500

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-0140
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	34,7
Seasonal space cooling energy efficiency, %	ηs,c	181%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,60
Sound power level, outdoor, dB	LWA	83

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	34,7	3,30	-
+ 30	25,8	4,24	-
+ 25	22,7	5,32	0,25
+ 20	23,4	6,20	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,02
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,02

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	17.000

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-0160
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	38,7
Seasonal space cooling energy efficiency, %	ηs,c	175%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,46
Sound power level, outdoor, dB	LWA	83

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	38,7	3,23	-
+ 30	28,7	3,82	-
+ 25	23,1	4,99	0,25
+ 20	23,4	6,58	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,02
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,02

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	17.000

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-0180
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	43,2
Seasonal space cooling energy efficiency, %	ηs,c	171%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,34
Sound power level, outdoor, dB	LWA	83

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	43,2	3,10	-
+ 30	32,1	3,69	-
+ 25	28,2	4,95	0,25
+ 20	29,1	6,53	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,02
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,02

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	17.000

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-0190
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	44,9
Seasonal space cooling energy efficiency, %	ηs,c	170%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,33
Sound power level, outdoor, dB	LWA	84

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	44,9	3,06	-
+ 30	33,3	3,80	-
+ 25	29,2	4,87	0,25
+ 20	30,4	6,48	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,02
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,02

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	17.750

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-0200
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	49,6
Seasonal space cooling energy efficiency, %	ηs,c	183%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,66
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	49,6	3,19	-
+ 30	36,9	4,24	-
+ 25	30,6	5,37	0,25
+ 20	30,9	6,31	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	31.000

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-0220
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	53,9
Seasonal space cooling energy efficiency, %	ηs,c	180%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,58
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	53,9	3,14	-
+ 30	40,2	4,12	-
+ 25	34,6	5,32	0,25
+ 20	34,7	6,31	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	31.000

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-0240
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	59,6
Seasonal space cooling energy efficiency, %	ηs,c	177%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,50
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	59,6	2,99	-
+ 30	44,4	3,98	-
+ 25	38,9	5,44	0,25
+ 20	38,5	6,02	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	31.000

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-0280
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	68,4
Seasonal space cooling energy efficiency, %	ηs,c	177%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,51
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	68,4	3,20	-
+ 30	50,9	3,98	-
+ 25	41,6	5,27	0,25
+ 20	42,9	6,05	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	35.000

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-0320
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	72,4
Seasonal space cooling energy efficiency, %	ηs,c	177%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,50
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	72,4	3,18	-
+ 30	53,9	3,98	-
+ 25	45,4	5,28	0,25
+ 20	47,2	6,05	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	35.000

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-0360
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	80,5
Seasonal space cooling energy efficiency, %	ηs,c	170%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,32
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	80,5	3,08	-
+ 30	59,9	3,99	-
+ 25	50,7	4,97	0,25
+ 20	52,4	5,67	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,20
Crankcase heater mode, kW	PCK	0,15
Standby mode, kW	PSB	0,20

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	35.000

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-0380
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	90,0
Seasonal space cooling energy efficiency, %	ηs,c	167%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,26
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	90,0	3,01	-
+ 30	67,0	3,79	-
+ 25	59,5	4,96	0,25
+ 20	59,6	5,84	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	35.000

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-0090
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	22,3
Seasonal space cooling energy efficiency, %	ηs,c	162%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,13
Sound power level, outdoor, dB	LWA	78

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	22,3	3,17	-
+ 30	16,6	4,05	-
+ 25	14,3	4,66	0,25
+ 20	15,0	5,33	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,02
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,02

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	9.000

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-0090
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	21,9
Seasonal space heating energy efficiency, %	ηs,h	127%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,24
Sound power level, outdoor, dB	LWA	78

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	15,1	2,62	–
+ 2	10,5	3,30	–
+ 7	12,3	4,16	0,25
Accessories and Installed Options AC axial fan **+ 12**	14,3	4,79	0,25
Bivalent temperature	15,7	2,72	–
Operating limit temperature	13,6	2,36	–

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	0,04

Supplementary heater

Back-up heating capacity	elbu	5,82
Type of energy input		Electric
Standby mode, kW	PSB	0,05

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	9.000

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-0120
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	27,8
Seasonal space cooling energy efficiency, %	ηs,c	148%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	3,77
Sound power level, outdoor, dB	LWA	82

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	27,8	2,85	-
+ 30	20,7	4,18	-
+ 25	18,1	4,08	0,25
+ 20	18,9	4,57	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,02
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,02

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	14.500

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-0120
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	27,8
Seasonal space heating energy efficiency, %	ηs,h	126%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,22
Sound power level, outdoor, dB	LWA	82

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	20,6	2,54	–
+ 2	14,6	3,27	–
+ 7	16,2	4,10	0,25
+ 12	18,6	5,09	0,25
Bivalent temperature	21,9	2,65	–
Operating limit temperature	19,0	2,37	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,12
Crankcase heater mode, kW	PCK	0,10

Supplementary heater

Back-up heating capacity	elbu	8,10
Type of energy input		Electric
Standby mode, kW	PSB	0,12

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	14.500

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-0140
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	33,5
Seasonal space cooling energy efficiency, %	ηs,c	147%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	3,76
Sound power level, outdoor, dB	LWA	83

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	33,5	3,08	-
+ 30	24,9	3,74	-
+ 25	22,6	4,24	0,25
+ 20	23,4	4,65	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,02
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,02

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	17.000

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-0140
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	33,0
Seasonal space heating energy efficiency, %	ηs,h	125%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,20
Sound power level, outdoor, dB	LWA	83

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	24,5	2,60	–
+ 2	17,3	3,17	–
+ 7	18,6	4,11	0,25
+ 12	21,5	5,15	0,25
Bivalent temperature	26,0	2,72	–
Operating limit temperature	22,6	2,41	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,12
Crankcase heater mode, kW	PCK	0,10

Supplementary heater

Back-up heating capacity	elbu	9,60
Type of energy input		Electric
Standby mode, kW	PSB	0,12

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	17.000

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-0160
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	37,0
Seasonal space cooling energy efficiency, %	ηs,c	146%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	3,72
Sound power level, outdoor, dB	LWA	83

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	37,0	2,98	-
+ 30	27,5	3,60	-
+ 25	23,4	4,20	0,25
+ 20	23,6	4,66	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,02
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,02

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	17.000

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-0160_
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	36,6
Seasonal space heating energy efficiency, %	ηs,h	126%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,22
Sound power level, outdoor, dB	LWA	83

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	27,8	2,69	–
+ 2	19,7	3,14	–
+ 7	22,1	4,19	0,25
+ 12	25,2	5,10	0,25
Bivalent temperature	29,6	2,80	–
Operating limit temperature	25,9	2,50	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,12
Crankcase heater mode, kW	PCK	0,10

Supplementary heater

Back-up heating capacity	elbu	10,74
Type of energy input		Electric
Standby mode, kW	PSB	0,12

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	17.000

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-0180
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	41,7
Seasonal space cooling energy efficiency, %	ηs,c	143%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	3,65
Sound power level, outdoor, dB	LWA	83

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	41,7	3,03	-
+ 30	30,9	3,96	-
+ 25	28,2	3,96	0,25
+ 20	29,2	4,38	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,02
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,02

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	17.000

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-0180
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	41,8
Seasonal space heating energy efficiency, %	ηs,h	126%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,24
Sound power level, outdoor, dB	LWA	83

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	30,6	2,71	–
+ 2	21,8	3,16	–
+ 7	24,9	4,28	0,25
+ 12	28,4	5,18	0,25
Bivalent temperature	32,7	2,75	–
Operating limit temperature	28,5	2,49	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,12
Crankcase heater mode, kW	PCK	0,10

Supplementary heater

Back-up heating capacity	elbu	11,93
Type of energy input		Electric
Standby mode, kW	PSB	0,12

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	17.000

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-0190
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	44,1
Seasonal space cooling energy efficiency, %	ηs,c	144%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	3,68
Sound power level, outdoor, dB	LWA	84

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	44,1	3,06	-
+ 30	32,7	3,53	-
+ 25	29,9	4,16	0,25
+ 20	31,1	4,68	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,02
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,02

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	17.750

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-0190
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	44,5
Seasonal space heating energy efficiency, %	ηs,h	127%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,26
Sound power level, outdoor, dB	LWA	84

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	32,6	2,61	–
+ 2	23,2	3,21	–
+ 7	26,7	4,29	0,25
+ 12	30,4	5,22	0,25
Bivalent temperature	34,8	2,74	–
Operating limit temperature	30,4	2,45	–

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,12
Crankcase heater mode, kW	PCK	0,10

Supplementary heater

Back-up heating capacity	elbu	12,68
Type of energy input		Electric
Standby mode, kW	PSB	0,12

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	17.750

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-0200
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	53,2
Seasonal space cooling energy efficiency, %	ηs,c	140%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	3,57
Sound power level, outdoor, dB	LWA	85

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	53,2	3,01	-
+ 30	39,6	3,51	-
+ 25	25,4	3,76	-
+ 20	14,6	3,84	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	31.000

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-0200
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	50,8
Seasonal space heating energy efficiency, %	ηs,h	125%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,20
Sound power level, outdoor, dB	LWA	85

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	36,9	2,61	–
+ 2	26,1	3,25	–
+ 7	16,8	3,66	–
+ 12	14,6	4,27	0,25
Bivalent temperature	39,2	2,70	–
Operating limit temperature	34,0	2,41	–

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	14,55
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)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	31.000

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-0220
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	57,7
Seasonal space cooling energy efficiency, %	ηs,c	143%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	3,65
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	57,7	2,96	-
+ 30	43,0	3,55	-
+ 25	27,6	4,01	-
+ 20	17,6	3,85	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	31.000

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-0220
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	55,9
Seasonal space heating energy efficiency, %	ηs,h	126%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,23
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	40,7	2,59	–
+ 2	28,9	3,23	–
+ 7	18,6	3,79	–
+ 12	18,0	4,53	0,25
Bivalent temperature	43,3	2,71	–
Operating limit temperature	37,6	2,43	–

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	16,00
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)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	31.000

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-0240
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	60,3
Seasonal space cooling energy efficiency, %	ηs,c	145%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	3,70
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	60,3	2,94	-
+ 30	44,9	3,43	-
+ 25	28,9	4,07	-
+ 20	17,6	4,06	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	31.000

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-0240
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	58,7
Seasonal space heating energy efficiency, %	ηs,h	125%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,21
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	43,2	2,50	–
+ 2	30,6	3,34	–
+ 7	19,7	3,67	–
+ 12	18,1	4,22	0,25
Bivalent temperature	45,9	2,61	–
Operating limit temperature	39,9	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	16,86
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)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	31.000

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-0280
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	68,3
Seasonal space cooling energy efficiency, %	ηs,c	146%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	3,72
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	68,3	3,14	-
+ 30	50,9	3,60	-
+ 25	32,7	4,09	-
+ 20	19,1	3,80	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	33.000

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-0280
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	67,8
Seasonal space heating energy efficiency, %	ηs,h	126%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,22
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	49,5	2,51	–
+ 2	35,0	3,20	–
+ 7	22,5	3,91	–
+ 12	20,1	4,52	0,25
Bivalent temperature	52,5	2,64	–
Operating limit temperature	45,8	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	19,24
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)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	33.000

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-0320
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	72,3
Seasonal space cooling energy efficiency, %	ηs,c	145%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	3,69
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	72,3	3,10	-
+ 30	53,8	3,59	-
+ 25	34,6	4,02	-
+ 20	19,3	3,78	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	33.000

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-0320
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	71,9
Seasonal space heating energy efficiency, %	ηs,h	128%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,27
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	52,4	2,57	–
+ 2	37,1	3,26	–
+ 7	23,8	3,94	–
+ 12	22,8	4,55	0,25
Bivalent temperature	55,6	2,70	–
Operating limit temperature	48,6	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	20,33
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)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	33.000

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-0360
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	80,8
Seasonal space cooling energy efficiency, %	ηs,c	140%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	3,57
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	80,8	3,14	-
+ 30	60,1	3,38	-
+ 25	38,6	3,94	-
+ 20	24,5	3,69	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	34.500

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-0360
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	80,5
Seasonal space heating energy efficiency, %	ηs,h	128%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,28
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	58,6	2,69	–
+ 2	41,6	3,21	–
+ 7	26,7	3,98	–
+ 12	25,8	4,42	0,25
Bivalent temperature	62,4	2,80	–
Operating limit temperature	54,5	2,50	–

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	22,70
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)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	34.500

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-0380
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	90,3
Seasonal space cooling energy efficiency, %	ηs,c	140%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	3,56
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	90,3	3,13	-
+ 30	67,2	3,42	-
+ 25	43,2	3,87	-
+ 20	26,4	3,70	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	35.000

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-0380
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	89,8
Seasonal space heating energy efficiency, %	ηs,h	126%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,21
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	65,3	2,52	–
+ 2	46,7	3,10	–
+ 7	30,0	4,00	–
+ 12	27,7	4,59	0,25
Bivalent temperature	70,0	2,69	–
Operating limit temperature	61,3	2,37	–

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	25,36
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)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	35.000

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-0400
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	98,2
Seasonal space cooling energy efficiency, %	ηs,c	148%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	3,77
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	98,2	2,76	-
+ 30	72,3	3,07	-
+ 25	46,5	4,04	-
+ 20	29,1	5,14	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	39.500

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-0400
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	Prated,h	100
Seasonal space heating energy efficiency, %	ηs,h	125%
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3,21
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	67,5	2,36	–
+ 2	37,4	2,98	–
+ 7	24,0	4,14	–
+ 12	32,3	5,73	0,25
Bivalent temperature	56,0	2,69	–
Operating limit temperature	20,1	1,95	–

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	49,30
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)	2.088

For air-to-air heat pumps

Air flow rate, outdoor measured, m3/h	39.500

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-0090
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	22,8
Seasonal space cooling energy efficiency, %	ηs,c	159%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	4,05
Sound power level, outdoor, dB	LWA	78

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	22,8	3,18	-
+ 30	17,0	3,81	-
+ 25	14,6	4,68	0,25
+ 20	15,2	5,19	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,02
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,02

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	9.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2.2. COOLING UNITS

COOLING MODE

Model	RPJ-0120
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	28,7
Seasonal space cooling energy efficiency, %	ηs,c	145%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	3,70
Sound power level, outdoor, dB	LWA	82

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	28,7	2,86	-
+ 30	21,4	3,57	-
+ 25	18,1	4,25	0,25
+ 20	18,7	4,62	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,02
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,02

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	14.500

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-0140
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	34,7
Seasonal space cooling energy efficiency, %	ηs,c	147%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	3,75
Sound power level, outdoor, dB	LWA	83

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	34,7	3,09	-
+ 30	25,8	3,62	-
+ 25	22,7	4,23	0,25
+ 20	23,4	4,71	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,02
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,02

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	17.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2.2. COOLING UNITS

COOLING MODE

Model	RPJ-0160
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	38,7
Seasonal space cooling energy efficiency, %	ηs,c	144%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	3,68
Sound power level, outdoor, dB	LWA	83

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	38,7	3,04	-
+ 30	28,7	3,59	-
+ 25	23,1	4,07	0,25
+ 20	23,4	4,54	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,02
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,02

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	17.000

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-0180
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	43,2
Seasonal space cooling energy efficiency, %	ηs,c	143%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	3,65
Sound power level, outdoor, dB	LWA	83

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	43,2	3,00	-
+ 30	32,1	3,52	-
+ 25	28,2	4,14	0,25
+ 20	29,1	4,53	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,02
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,02

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	17.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2.2. COOLING UNITS

COOLING MODE

Model	RPJ-0190
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	44,9
Seasonal space cooling energy efficiency, %	ηs,c	145%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	3,70
Sound power level, outdoor, dB	LWA	84

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	44,9	3,00	-
+ 30	33,3	3,62	-
+ 25	29,2	4,15	0,25
+ 20	30,4	4,65	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,02
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,02

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	17.750

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-0200
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	49,6
Seasonal space cooling energy efficiency, %	ηs,c	142%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	3,62
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	49,6	3,02	-
+ 30	36,9	3,62	-
+ 25	30,6	4,01	0,25
+ 20	30,9	4,39	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	31.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2.2. COOLING UNITS

COOLING MODE

Model	RPJ-0220
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	53,9
Seasonal space cooling energy efficiency, %	ηs,c	144%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	3,67
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	53,9	2,98	-
+ 30	40,2	3,66	-
+ 25	34,6	4,07	0,25
+ 20	34,7	4,56	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	31.000

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-0240
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	59,6
Seasonal space cooling energy efficiency, %	ηs,c	146%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	3,72
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	59,6	2,89	-
+ 30	44,4	3,58	-
+ 25	38,9	4,33	0,25
+ 20	38,5	4,53	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	31.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2.2. COOLING UNITS

COOLING MODE

Model	RPJ-0280
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	68,4
Seasonal space cooling energy efficiency, %	ηs,c	145%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	3,71
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	68,4	3,09	-
+ 30	50,9	3,53	-
+ 25	41,6	4,19	0,25
+ 20	42,9	4,53	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	35.000

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-0320
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	72,4
Seasonal space cooling energy efficiency, %	ηs,c	147%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	3,74
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	72,4	3,08	-
+ 30	53,9	3,61	-
+ 25	45,4	4,20	0,25
+ 20	47,2	4,64	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	35.000

Contact details	Manufactured by CIAT- 14550 Montilla SPAIN

Accessories and Installed Options
AC axial fan

2.2. COOLING UNITS

COOLING MODE

Model	RPJ-0360
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	80,5
Seasonal space cooling energy efficiency, %	ηs,c	146%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	3,73
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	80,5	3,06	-
+ 30	59,9	3,69	-
+ 25	50,7	4,18	0,25
+ 20	52,4	4,53	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	35.000

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-0380
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	Prated,c	90,0
Seasonal space cooling energy efficiency, %	ηs,c	145%
Seasonal Coefficient Of Performance, kWh/kWh	SEER	3,70
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	90,0	2,99	-
+ 30	67,0	3,58	-
+ 25	59,5	4,18	0,25
+ 20	59,6	4,62	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	POFF	0,00
Thermostat-off mode, kW	PTO	0,03
Crankcase heater mode, kW	PCK	0,00
Standby mode, kW	PSB	0,03

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO2 eq (100 years)	2.088

For air-to-air air conditioner

Air flow rate, outdoor measured, m3/h	35.000

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.: 10238 12.2023.Supersedes order No.: 09.2022 Carrier, Montluel, France