



turn to the experts 



50/48 UP-(V) 025-220 R410A



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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, m³/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 vaporacionada 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

TÜRKÇE

- [0] SOĞUTMA modü
- [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 modü" nun dışındaki enerji tüketimi
- [16] Kapalı modü
- [17] Termostat kapalı modü
- [18] Karter ısıtıcısı modü
- [19] Bekleme modü
- [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, m³/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 (понаружному воздуху), м³/ч
- [26] Контактная информация

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, °C
[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, m³/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]	Si/No
[6]	Potencia nominal de calefacción
[7]	Eficiencia energética estacional de calefacción de espacios
[8]	Coefficiente 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, °C
[14]	Potencia calorífica
[15]	Coefficiente 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]	Équipé 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, °C
[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]	Coefficiente 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, °C
[14]	Potência de aquecimento
[15]	Coefficiente de degradação
[16]	Temperatura bivalente
[17]	Temperatura limite de funcionamento
[18]	Consumo energético em modos distintos do «modo ativo»
[19]	Modo desligado
[20]	Modo termostato 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

TÜRKÇE

[0]	ISITMA modü
[1]	Model
[2]	Isi 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 iklim
[11]	Ortalama (Strasbourg)
[12]	iki değerli sıcaklık, °C
[13]	Isıtma kapasitesi
[14]	Azalma katsayısı
[15]	iki değerli sıcaklık
[16]	Çalışma sınırı sıcaklığı
[17]	"Etkin modu" nun dışındaki enerji tüketimi
[18]	Kapalı modu
[19]	Termostat kapalı modu
[20]	Karter ısıtıcısı modu
[21]	Ek ısıtıcı
[22]	Yedek ısıtma kapasitesi
[23]	Enerji girişi tipi
[24]	Bekleme modu
[25]	Diğer öğeler
[26]	Kapasite kontrolü
[27]	Sabit/Kademeli/değişken
[28]	Soğutucu akışkanın küresel ısınmaya neden olma potansiyeli (GWP), kg CO2 eşdeğer (100 yıl)
[29]	Havadan havaya ısı pompaları için
[30]	Dış ortamda ölçülen nominal hava akış debisi, m³/saat
[31]	İletişim bilgileri
[32]	

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 °С и температуре наружного воздуха Tj
[11]	Климат
[12]	Усредненные климатические условия (Страсбург)
[13]	Температура на входе и выходе, °С
[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), м³/ч
[32]	Контактная информация

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]	$P_{rated,c}$	
Seasonal space cooling energy efficiency, % ^[7]	$\eta_{s,c}$	
Seasonal Coefficient of Performance, kWh/kWh ^[8]	SEER	
Sound power level, outdoor, dB ^[9]	L_{WA}	

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures T_j and indoor $27^\circ/19^\circ\text{C}$ (dry/wet bulb) ^[10]

Climate: ^[11]	Average (Strasbourg) ^[12]		
$T_j, ^\circ\text{C}$	Cooling capacity P_{dc}, kW ^[13]	EER_d, %	Degradation coef, C_{dc} ^[14]
+ 35			
+ 30			
+ 25			
+ 20			

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

Off mode, kW ^[16]	P_{OFF}	
Thermostat-off mode, kW ^[17]	P_{TO}	
Crankcase heater mode, kW ^[18]	P_{CK}	
Standby mode, kW ^[19]	P_{SB}	

Other items ^[20]

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

For air-to-air air conditioner ^[24]

Air flow rate, outdoor measured, m³/h ^[25]	
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Contact details ^[26]	
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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]	$P_{rated,c}$	
Seasonal space heating energy efficiency, % ^[7]	$\eta_{s,h}$	
Seasonal Coefficient of Performance, kWh/kWh ^[8]	SCOP	
Sound power level, outdoor, dB ^[9]	L_{WA}	

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

Climate: ^[11]	Average (Strasbourg) ^[12]		
Bivalent temperature T_{biv} , °C ^[13]			
T_j , °C	Heating capacity P_{dh} , kW ^[14]	COP _{dr} , %	Degradation coef, C_{dh} ^[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]	P_{OFF}	
Thermostat off mode, kW ^[20]	P_{TO}	
Crankcase heater mode, kW ^[21]	P_{CK}	

Supplementary heater ^[22]

Back-up heating capacity, kW ^[23]	elbu	
Type of energy input ^[24]		
Standby mode, kW ^[25]	P_{SB}	

Other items ^[26]

Capacity control ^[27]	fixed/staged/variable ^[28]
GWP of the refrigerant, kg CO ₂ equivalent (100 years) ^[29]	

For air-to-air heat pumps ^[30]

Air flow rate, outdoor measured, m ³ /h ^[31]	
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Contact details ^[32]	
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COOLING MODE

Model	50/48 UPV025
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	22,4
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	160,6
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,09
Sound power level, outdoor, dB	L_{WA}	81

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures T_j and indoor $27^{\circ}/19^{\circ}\text{C}$ (dry/wet bulb)

Climate: $T_j, ^{\circ}\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _{dr} %	Degradation coef, C_{dc}
+ 35	22,4	3,24	
+ 30	16,5	4,17	
+ 25	10,6	5,03	
+ 20	8,7	5,2	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat-off mode, kW	P_{TO}	0,03
Crankcase heater mode, kW	P_{CK}	0,07
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m ³ /h	12000
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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HEATING MODE

Model	50/48 UPV025
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	$P_{rated,c}$	20,9
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	125,4
Seasonal Coefficient of Performance, kWh/kWh	SCOP	3,21
Sound power level, outdoor, dB	L_{WA}	81

Declared heating capacity and coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature T_j

Climate:	Average (Strasbourg)		
Bivalent temperature T_{biv} , °C	-4		
T_j , °C	Heating capacity P_{dh} , kW	COP_{dr} , %	Degradation coef, C_{dh}
- 7	14,6	2,57	
+ 2	11,2	3,25	
+ 7	7,2	3,82	
+ 12	8,4	3,79	0,25
Bivalent temperature	16,1	2,73	
Operating limit temperature	13,5	2,45	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat off mode, kW	P_{TO}	0,003
Crankcase heater mode, kW	P_{CK}	0,07

Supplementary heater

Back-up heating capacity, kW	e_{lbu}	7,39
Type of energy input		Electric
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air heat pumps

Air flow rate, outdoor measured, m ³ /h	12000
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UPV035
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	33,3
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	188,2
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,78
Sound power level, outdoor, dB	L_{WA}	82

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures T_j and indoor $27^{\circ}/19^{\circ}\text{C}$ (dry/wet bulb)

Climate: $T_j, ^{\circ}\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _{dr} %	Degradation coef, C_{dc}
+ 35	33,3	3,29	
+ 30	24,5	4,72	
+ 25	15,8	5,94	
+ 20	12,8	6,00	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat-off mode, kW	P_{TO}	0,08
Crankcase heater mode, kW	P_{CK}	0,065
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m ³ /h	12200
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Contact details	<p>Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey</p>
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HEATING MODE

Model	50/48 UPV035
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	$P_{rated,c}$	30,1
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	140,2
Seasonal Coefficient of Performance, kWh/kWh	SCOP	3,58
Sound power level, outdoor, dB	L_{WA}	82

Declared heating capacity and coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature T_j

Climate:	Average (Strasbourg)		
Bivalent temperature T_{biv} , °C	-4		
T_j , °C	Heating capacity P_{dh} , kW	COP_{dr} , %	Degradation coef, C_{dh}
- 7	21,1	2,66	
+ 2	16,2	3,66	
+ 7	10,4	4,59	
+ 12	12,0	4,52	0,25
Bivalent temperature	23,1	2,85	
Operating limit temperature	19,1	2,48	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat off mode, kW	P_{TO}	0,05
Crankcase heater mode, kW	P_{CK}	0,065

Supplementary heater

Back-up heating capacity, kW	e_{lbu}	10,95
Type of energy input		Electric
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air heat pumps

Air flow rate, outdoor measured, m ³ /h	12200
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UPV045
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	41,8
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	172,2
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,38
Sound power level, outdoor, dB	L_{WA}	83

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

Climate: $T_j, ^\circ\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _{dr} %	Degradation coef, C_{dc}
+ 35	41,8	3,01	
+ 30	30,8	3,9	
+ 25	19,8	5,38	
+ 20	15,8	5,71	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat-off mode, kW	P_{TO}	0,1
Crankcase heater mode, kW	P_{CK}	0,08
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m ³ /h	18100
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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HEATING MODE

Model	50/48 UPV045
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	$P_{rated,c}$	40,8
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	141,4
Seasonal Coefficient of Performance, kWh/kWh	SCOP	3,61
Sound power level, outdoor, dB	L_{WA}	83

Declared heating capacity and coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature T_j

Climate:	Average (Strasbourg)		
Bivalent temperature T_{biv} , °C	-4		
T_j , °C	Heating capacity P_{dh} , kW	COP_{dr} , %	Degradation coef, C_{dh}
- 7	28,8	2,73	
+ 2	21,9	3,42	
+ 7	14,1	5,04	
+ 12	15,3	4,85	0,25
Bivalent temperature	31,4	2,9	
Operating limit temperature	26,5	2,57	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat off mode, kW	P_{TO}	0,01
Crankcase heater mode, kW	P_{CK}	0,08

Supplementary heater

Back-up heating capacity, kW	e_{lbu}	14,29
Type of energy input		Electric
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air heat pumps

Air flow rate, outdoor measured, m ³ /h	18100
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UPV055
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	52,8
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	171,8
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,37
Sound power level, outdoor, dB	L_{WA}	83

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

Climate: $T_j, ^\circ\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _{dr} %	Degradation coef, C_{dc}
+ 35	52,8	3,07	
+ 30	38,9	3,92	
+ 25	25,0	5,26	
+ 20	21,7	5,64	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat-off mode, kW	P_{TO}	0,23
Crankcase heater mode, kW	P_{CK}	0,08
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m ³ /h	17700
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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HEATING MODE

Model	50/48 UPV055
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	$P_{rated,c}$	52,0
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	148,6
Seasonal Coefficient of Performance, kWh/kWh	SCOP	3,79
Sound power level, outdoor, dB	L_{WA}	83

Declared heating capacity and coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature T_j

Climate:	Average (Strasbourg)		
Bivalent temperature T_{biv} , °C	-4		
T_j , °C	Heating capacity P_{dh} , kW	COP_{dr} , %	Degradation coef, C_{dh}
- 7	36,8	2,91	
+ 2	28,0	3,6	
+ 7	18,0	5,29	
+ 12	21,1	5,02	0,25
Bivalent temperature	40,0	3,09	
Operating limit temperature	33,8	2,73	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat off mode, kW	P_{TO}	0,04
Crankcase heater mode, kW	P_{CK}	0,08

Supplementary heater

Back-up heating capacity, kW	e_{lbu}	18,23
Type of energy input		Electric
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air heat pumps

Air flow rate, outdoor measured, m ³ /h	17700
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UPV065
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	64
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	192
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,88
Sound power level, outdoor, dB	L_{WA}	84

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

Climate: $T_j, ^\circ\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _{dr} %	Degradation coef, C_{dc}
+ 35	64,0	3,43	
+ 30	47,2	4,62	
+ 25	30,3	4,72	
+ 20	14,3	8,86	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat-off mode, kW	P_{TO}	0,07
Crankcase heater mode, kW	P_{CK}	0,17
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m³/h	24800
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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HEATING MODE

Model	50/48 UPV065
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	$P_{rated,h}$	56,0
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	144
Seasonal Coefficient of Performance, kWh/kWh	SCOP	3,67
Sound power level, outdoor, dB	L_{WA}	84

Declared heating capacity and coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature T_j

Climate:	Average (Strasbourg)		
Bivalent temperature T_{biv} , °C	-4		
T_j , °C	Heating capacity P_{dh} , kW	COP_{dr} , %	Degradation coef, C_{dh}
- 7	38,9	2,67	
+ 2	30,5	3,92	
+ 7	19,8	4,14	
+ 12	11,5	6,36	0,25
Bivalent temperature	43,1	2,77	
Operating limit temperature	35,4	2,50	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat off mode, kW	P_{TO}	0,05
Crankcase heater mode, kW	P_{CK}	0,17

Supplementary heater

Back-up heating capacity, kW	elbu	20,67
Type of energy input		Electric
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air heat pumps

Air flow rate, outdoor measured, m ³ /h	24800
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UPV075
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	76,8
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	182
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,62
Sound power level, outdoor, dB	L_{WA}	84

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures T_j and indoor $27^{\circ}/19^{\circ}\text{C}$ (dry/wet bulb)

Climate: $T_j, ^{\circ}\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _{dr} %	Degradation coef, C_{dc}
+ 35	76,8	3,41	
+ 30	56,6	4,22	
+ 25	36,4	4,40	
+ 20	16,1	8,36	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat-off mode, kW	P_{TO}	0,10
Crankcase heater mode, kW	P_{CK}	0,18
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m ³ /h	35400
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Contact details	<p>Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey</p>
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HEATING MODE

Model	50/48 UPV075
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	$P_{rated,h}$	72,5
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	134
Seasonal Coefficient of Performance, kWh/kWh	SCOP	3,42
Sound power level, outdoor, dB	L_{WA}	84

Declared heating capacity and coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature T_j

Climate:	Average (Strasbourg)		
Bivalent temperature T_{biv} , °C	-4		
T_j , °C	Heating capacity P_{dh} , kW	COP_{dr} , %	Degradation coef, C_{dh}
- 7	50,5	2,63	
+ 2	38,8	3,28	
+ 7	25,1	4,21	
+ 12	16,0	6,53	0,25
Bivalent temperature	55,8	2,72	
Operating limit temperature	46,5	2,48	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat off mode, kW	P_{TO}	0,08
Crankcase heater mode, kW	P_{CK}	0,18

Supplementary heater

Back-up heating capacity, kW	e_{lbu}	25,96
Type of energy input		Electric
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air heat pumps

Air flow rate, outdoor measured, m ³ /h	35400
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UPV090
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	84,8
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	186
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,73
Sound power level, outdoor, dB	L_{WA}	84

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

Climate: $T_j, ^\circ\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _{dr} %	Degradation coef, C_{dc}
+ 35	84,8	3,20	
+ 30	62,5	4,24	
+ 25	40,2	4,42	
+ 20	19,1	9,55	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat-off mode, kW	P_{TO}	0,12
Crankcase heater mode, kW	P_{CK}	0,21
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m³/h	35400
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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HEATING MODE

Model	50/48 UPV090
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	$P_{rated,h}$	83,8
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	132
Seasonal Coefficient of Performance, kWh/kWh	SCOP	3,38
Sound power level, outdoor, dB	L_{WA}	84

Declared heating capacity and coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature T_j

Climate:	Average (Strasbourg)		
Bivalent temperature T_{biv} , °C	-4		
T_j , °C	Heating capacity P_{dh} , kW	COP_{dr} , %	Degradation coef, C_{dh}
- 7	58,4	2,67	
+ 2	45,4	3,41	
+ 7	30,8	3,73	
+ 12	19,6	6,37	0,25
Bivalent temperature	64,5	2,76	
Operating limit temperature	53,7	2,53	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat off mode, kW	P_{TO}	0,08
Crankcase heater mode, kW	P_{CK}	0,21

Supplementary heater

Back-up heating capacity, kW	e_{lbu}	30,05
Type of energy input		Electric
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air heat pumps

Air flow rate, outdoor measured, m ³ /h	35400
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UPV105
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	99,6
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	165
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,19
Sound power level, outdoor, dB	L_{WA}	85

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

Climate: $T_j, ^\circ\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _{dr} %	Degradation coef, C_{dc}
+ 35	99,6	2,83	
+ 30	73,4	3,78	
+ 25	47,2	3,87	
+ 20	21,0	8,28	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat-off mode, kW	P_{TO}	0,32
Crankcase heater mode, kW	P_{CK}	0,21
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m³/h	39960
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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HEATING MODE

Model	50/48 UPV105
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	$P_{rated,h}$	99,9
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	126
Seasonal Coefficient of Performance, kWh/kWh	SCOP	3,22
Sound power level, outdoor, dB	L_{WA}	85

Declared heating capacity and coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature T_j

Climate:	Average (Strasbourg)		
Bivalent temperature T_{biv} , °C	-4		
T_j , °C	Heating capacity P_{dh} , kW	COP_{dr} , %	Degradation coef, C_{dh}
- 7	71,0	2,57	
+ 2	55,4	3,22	
+ 7	33,9	3,56	
+ 12	21,7	5,58	0,25
Bivalent temperature	76,9	2,65	
Operating limit temperature	65,6	2,42	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat off mode, kW	P_{TO}	0,16
Crankcase heater mode, kW	P_{CK}	0,21

Supplementary heater

Back-up heating capacity, kW	elbu	34,37
Type of energy input		Electric
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air heat pumps

Air flow rate, outdoor measured, m ³ /h	39960
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UPV125
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	123,3
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	189
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,81
Sound power level, outdoor, dB	L_{WA}	85

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

Climate: $T_j, ^\circ\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _{dr} %	Degradation coef, C_{dc}
+ 35	123,3	3,29	
+ 30	90,8	4,53	
+ 25	58,4	4,37	
+ 20	26,0	9,08	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat-off mode, kW	P_{TO}	0,31
Crankcase heater mode, kW	P_{CK}	0,24
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m ³ /h	39024
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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HEATING MODE

Model	50/48 UPV125
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	$P_{rated,h}$	114,3
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	145
Seasonal Coefficient of Performance, kWh/kWh	SCOP	3,69
Sound power level, outdoor, dB	L_{WA}	85

Declared heating capacity and coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature T_j

Climate:	Average (Strasbourg)		
Bivalent temperature T_{biv} , °C	-4		
T_j , °C	Heating capacity P_{dh} , kW	COP_{dr} , %	Degradation coef, C_{dh}
- 7	79,6	2,75	
+ 2	59,4	3,81	
+ 7	43,8	4,00	
+ 12	21,3	7,06	0,25
Bivalent temperature	88,0	2,84	
Operating limit temperature	73,2	2,59	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat off mode, kW	P_{TO}	0,14
Crankcase heater mode, kW	P_{CK}	0,24

Supplementary heater

Back-up heating capacity, kW	elbu	41,1
Type of energy input	Electric	
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air heat pumps

Air flow rate, outdoor measured, m ³ /h	39024
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UPV140
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	137,9
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	186
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,73
Sound power level, outdoor, dB	L_{WA}	85

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures T_j and indoor $27^{\circ}/19^{\circ}\text{C}$ (dry/wet bulb)

Climate: $T_j, ^{\circ}\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _{dr} , %	Degradation coef, C_{dc}
+ 35	137,9	3,18	
+ 30	101,6	4,38	
+ 25	65,3	4,55	
+ 20	29,0	8,00	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat-off mode, kW	P_{TO}	0,35
Crankcase heater mode, kW	P_{CK}	0,22
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m ³ /h	39744
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Contact details	<p>Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey</p>
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HEATING MODE

Model	50/48 UPV140
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	$P_{rated,h}$	132,8
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	140
Seasonal Coefficient of Performance, kWh/kWh	SCOP	3,57
Sound power level, outdoor, dB	L_{WA}	85

Declared heating capacity and coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature T_j

Climate:	Average (Strasbourg)		
Bivalent temperature T_{biv} , °C	-4		
T_j , °C	Heating capacity P_{dh} , kW	COP_{dr} , %	Degradation coef, C_{dh}
- 7	92,5	2,81	
+ 2	71,1	3,64	
+ 7	49,3	4,05	
+ 12	30,1	6,19	0,25
Bivalent temperature	102,3	2,89	
Operating limit temperature	84,8	2,65	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat off mode, kW	P_{TO}	0,68
Crankcase heater mode, kW	P_{CK}	0,22

Supplementary heater

Back-up heating capacity, kW	e_{lbu}	48,06
Type of energy input		Electric
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air heat pumps

Air flow rate, outdoor measured, m ³ /h	39744
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UPV160
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	156,9
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	180
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,58
Sound power level, outdoor, dB	L_{WA}	89

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

Climate: $T_j, ^\circ\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _{dr} %	Degradation coef, C_{dc}
+ 35	156,9	3,16	
+ 30	115,6	4,02	
+ 25	74,3	4,20	
+ 20	33,0	8,74	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat-off mode, kW	P_{TO}	0,43
Crankcase heater mode, kW	P_{CK}	0,22
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m ³ /h	74160
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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HEATING MODE

Model	50/48 UPV160
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	$P_{rated,h}$	156,3
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	130
Seasonal Coefficient of Performance, kWh/kWh	SCOP	3,32
Sound power level, outdoor, dB	L_{WA}	89

Declared heating capacity and coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature T_j

Climate:	Average (Strasbourg)		
Bivalent temperature T_{biv} , °C	-4		
T_j , °C	Heating capacity P_{dh} , kW	COP_{dr} , %	Degradation coef, C_{dh}
- 7	109,1	2,55	
+ 2	84,7	3,15	
+ 7	61,7	4,22	
+ 12	31,3	6,11	0,25
Bivalent temperature	120,4	2,63	
Operating limit temperature	101,0	2,43	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat off mode, kW	P_{TO}	0,24
Crankcase heater mode, kW	P_{CK}	0,22

Supplementary heater

Back-up heating capacity, kW	elbu	55,34
Type of energy input	Electric	
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air heat pumps

Air flow rate, outdoor measured, m ³ /h	74160
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UPV190
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	178,6
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	170,2
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,33
Sound power level, outdoor, dB	L_{WA}	92,3

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

Climate: $T_j, ^\circ\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _{dr} %	Degradation coef, C_{dc}
+ 35	178,6	3,01	
+ 30	131,6	3,75	
+ 25	84,6	4,42	
+ 20	38,3	7,04	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat-off mode, kW	P_{TO}	0,61
Crankcase heater mode, kW	P_{CK}	0,22
Standby mode, kW	P_{SB}	0,36

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m³/h	83376
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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HEATING MODE

Model	50/48 UPV190
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	$P_{rated,h}$	158,5
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	134
Seasonal Coefficient of Performance, kWh/kWh	SCOP	3,41
Sound power level, outdoor, dB	L_{WA}	92,3

Declared heating capacity and coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature T_j

Climate:	Average (Strasbourg)		
Bivalent temperature T_{biv} , °C	-4		
T_j , °C	Heating capacity Pdh, kW	COP _{dr} %	Degradation coef, C _{dh}
- 7	111,4	2,73	
+ 2	89,0	3,42	
+ 7	55,6	3,75	
+ 12	28,9	6,45	0,25
Bivalent temperature	122,0	2,82	
Operating limit temperature	102,5	2,58	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat off mode, kW	P_{TO}	0,18
Crankcase heater mode, kW	P_{CK}	0,22

Supplementary heater

Back-up heating capacity, kW	elbu	55,99
Type of energy input	Electric	
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air heat pumps

Air flow rate, outdoor measured, m ³ /h	83376
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UPV220
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	197,8
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	206,6
Seasonal Coefficient of Performance, kWh/kWh	SEER	5,24
Sound power level, outdoor, dB	L_{WA}	93,9

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures T_j and indoor $27^{\circ}/19^{\circ}\text{C}$ (dry/wet bulb)

Climate: $T_j, ^{\circ}\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _{dr} %	Degradation coef, C_{dc}
+ 35	197,8	3,16	
+ 30	145,8	4,02	
+ 25	93,7	5,30	
+ 20	40,3	10,82	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat-off mode, kW	P_{TO}	0,26
Crankcase heater mode, kW	P_{CK}	0,19
Standby mode, kW	P_{SB}	0,36

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m ³ /h	79920
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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HEATING MODE

Model	50/48 UPV220
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	$P_{rated,h}$	176,0
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	139
Seasonal Coefficient of Performance, kWh/kWh	SCOP	3,54
Sound power level, outdoor, dB	L_{WA}	93,9

Declared heating capacity and coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature T_j

Climate:	Average (Strasbourg)		
Bivalent temperature T_{biv} , °C	-4		
T_j , °C	Heating capacity P_{dh} , kW	COP_{dr} , %	Degradation coef, C_{dh}
- 7	124,2	2,86	
+ 2	95,4	3,52	
+ 7	62,4	3,92	
+ 12	29,9	6,66	0,25
Bivalent temperature	135,5	2,96	
Operating limit temperature	113,9	2,68	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat off mode, kW	P_{TO}	0,23
Crankcase heater mode, kW	P_{CK}	0,19

Supplementary heater

Back-up heating capacity, kW	elbu	62,04
Type of energy input	Electric	
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air heat pumps

Air flow rate, outdoor measured, m ³ /h	79920
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UP-055
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	52,70
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	162,01
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,13
Sound power level, outdoor, dB	L_{WA}	83,2

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

Climate: $T_j, ^\circ\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _{dr} %	Degradation coef, C_{dc}
+ 35	52,71	3,00	
+ 30	38,84	4,03	
+ 25	34,79	5,12	0,25
+ 20	34,60	4,93	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0,00
Thermostat-off mode, kW	P_{TO}	0,24
Crankcase heater mode, kW	P_{CK}	0,16
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m ³ /h	17712
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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HEATING MODE

Model	50/48 UP-055
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	$P_{rated,h}$	48,8
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	139
Seasonal Coefficient of Performance, kWh/kWh	SCOP	3,54
Sound power level, outdoor, dB	L_{WA}	83,2

Declared heating capacity and coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature T_j

Climate:	Average (Strasbourg)		
Bivalent temperature T_{biv} , °C	-4		
T_j , °C	Heating capacity P_{dh} , kW	COP_{dr} , %	Degradation coef, C_{dh}
- 7	43,2	2,77	
+ 2	26,3	3,57	
+ 7	28,5	4,35	0,25
+ 12	32,4	4,89	0,25
Bivalent temperature	37,6	2,87	
Operating limit temperature	31,6	2,61	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat off mode, kW	P_{TO}	0,03
Crankcase heater mode, kW	P_{CK}	0,16

Supplementary heater

Back-up heating capacity, kW	elbu	17,29
Type of energy input	Electric	
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air heat pumps

Air flow rate, outdoor measured, m ³ /h	17712
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UP-065
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	64,10
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	175,08
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,45
Sound power level, outdoor, dB	L_{WA}	84,0

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

Climate: $T_j, ^\circ\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _{dr} %	Degradation coef, C_{dc}
+ 35	64,10	3,45	
+ 30	47,23	4,28	
+ 25	30,36	5,18	
+ 20	19,56	5,72	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0,00
Thermostat-off mode, kW	P_{TO}	0,17
Crankcase heater mode, kW	P_{CK}	0,20
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m ³ /h	24800
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Contact details	<p>Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey</p>
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HEATING MODE

Model	50/48 UP-065
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	$P_{rated,h}$	56,7
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	130,2
Seasonal Coefficient of Performance, kWh/kWh	SCOP	3,33
Sound power level, outdoor, dB	L_{WA}	84

Declared heating capacity and coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature T_j

Climate:	Average (Strasbourg)		
Bivalent temperature T_{biv} , °C	-4		
T_j , °C	Heating capacity P_{dh} , kW	COP_{dr} , %	Degradation coef, C_{dh}
- 7	40,0	2,64	
+ 2	30,5	3,43	
+ 7	19,6	4,04	
+ 12	19,7	3,82	0,25
Bivalent temperature	43,6	2,81	
Operating limit temperature	36,6	2,47	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat off mode, kW	P_{TO}	0,05
Crankcase heater mode, kW	P_{CK}	0,2

Supplementary heater

Back-up heating capacity, kW	elbu	20,15
Type of energy input	Electric	
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air heat pumps

Air flow rate, outdoor measured, m ³ /h	24800
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UP-075
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	76,37
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	179,56
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,56
Sound power level, outdoor, dB	L_{WA}	84,0

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures T_j and indoor $27^{\circ}/19^{\circ}\text{C}$ (dry/wet bulb)

Climate: $T_j, ^{\circ}\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _{dr} %	Degradation coef, C_{dc}
+ 35	76,37	3,43	
+ 30	56,27	4,22	
+ 25	36,18	5,24	
+ 20	23,07	5,97	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0,00
Thermostat-off mode, kW	P_{TO}	0,15
Crankcase heater mode, kW	P_{CK}	0,2
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m ³ /h	35400
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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HEATING MODE

Model	50/48 UP-075
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	$P_{rated,h}$	71,1
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	132,6
Seasonal Coefficient of Performance, kWh/kWh	SCOP	3,39
Sound power level, outdoor, dB	L_{WA}	84

Declared heating capacity and coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature T_j

Climate:	Average (Strasbourg)		
Bivalent temperature T_{biv} , °C	-4		
T_j , °C	Heating capacity P_{dh} , kW	COP_{dr} , %	Degradation coef, C_{dh}
- 7	50,2	2,55	
+ 2	38,3	3,1	
+ 7	24,6	5,01	
+ 12	23,9	4,66	0,25
Bivalent temperature	54,7	2,72	
Operating limit temperature	46,2	2,41	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat off mode, kW	P_{TO}	0,06
Crankcase heater mode, kW	P_{CK}	0,2

Supplementary heater

Back-up heating capacity, kW	e_{lbu}	24,85
Type of energy input		Electric
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air heat pumps

Air flow rate, outdoor measured, m ³ /h	35400
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UP-090
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	86,11
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	165,50
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,21
Sound power level, outdoor, dB	L_{WA}	84

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures T_j and indoor $27^{\circ}/19^{\circ}\text{C}$ (dry/wet bulb)

Climate: $T_j, ^{\circ}\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _{dr} , %	Degradation coef, C_{dc}
+ 35	86,11	3,32	
+ 30	63,45	4,06	
+ 25	40,79	4,95	
+ 20	26,17	4,96	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0,00
Thermostat-off mode, kW	P_{TO}	0,22
Crankcase heater mode, kW	P_{CK}	0,26
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m ³ /h	35400
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Contact details	<p>Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey</p>
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HEATING MODE

Model	50/48 UP-090
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	$P_{rated,h}$	80,4
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	130,2
Seasonal Coefficient of Performance, kWh/kWh	SCOP	3,33
Sound power level, outdoor, dB	L_{WA}	84

Declared heating capacity and coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature T_j

Climate:	Average (Strasbourg)		
Bivalent temperature T_{biv} , °C	-4		
T_j , °C	Heating capacity P_{dh} , kW	COP_{dr} , %	Degradation coef, C_{dh}
- 7	56,7	2,59	
+ 2	43,3	3,2	
+ 7	27,8	4,43	
+ 12	27,5	4,18	0,25
Bivalent temperature	61,9	2,76	
Operating limit temperature	52,2	2,45	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat off mode, kW	P_{TO}	0,08
Crankcase heater mode, kW	P_{CK}	0,26

Supplementary heater

Back-up heating capacity, kW	e_{lbu}	28,3
Type of energy input		Electric
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air heat pumps

Air flow rate, outdoor measured, m ³ /h	35400
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UP-105
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	101,99
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	152,94
Seasonal Coefficient of Performance, kWh/kWh	SEER	3,90
Sound power level, outdoor, dB	L_{WA}	84,5

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

Climate: $T_j, ^\circ\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _{dr} %	Degradation coef, C_{dc}
+ 35	101,99	2,86	
+ 30	75,15	3,61	
+ 25	48,31	4,39	
+ 20	31,57	5,40	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0,00
Thermostat-off mode, kW	P_{TO}	0,49
Crankcase heater mode, kW	P_{CK}	0,32
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m³/h	39960
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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HEATING MODE

Model	50/48 UP-105
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	$P_{rated,h}$	102,0
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	130
Seasonal Coefficient of Performance, kWh/kWh	SCOP	3,33
Sound power level, outdoor, dB	L_{WA}	84,5

Declared heating capacity and coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature T_j

Climate:	Average (Strasbourg)		
Bivalent temperature T_{biv} , °C	-4		
T_j , °C	Heating capacity P_{dh} , kW	COP_{dr} , %	Degradation coef, C_{dh}
- 7	72,2	2,61	
+ 2	54,9	3,27	
+ 7	35,3	4,31	
+ 12	34,4	4,43	0,25
Bivalent temperature	78,5	2,68	
Operating limit temperature	66,5	2,47	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat off mode, kW	P_{TO}	0,16
Crankcase heater mode, kW	P_{CK}	0,32

Supplementary heater

Back-up heating capacity, kW	e_{lbu}	35,5
Type of energy input		Electric
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air heat pumps

Air flow rate, outdoor measured, m ³ /h	39960
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UP-125
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	125,57
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	178,89
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,55
Sound power level, outdoor, dB	L_{WA}	84,7

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures T_j and indoor $27^{\circ}/19^{\circ}\text{C}$ (dry/wet bulb)

Climate: $T_j, ^{\circ}\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _{dr} %	Degradation coef, C_{dc}
+ 35	125,57	3,18	
+ 30	92,53	4,23	
+ 25	59,48	5,25	
+ 20	38,21	5,90	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0,00
Thermostat-off mode, kW	P_{TO}	0,40
Crankcase heater mode, kW	P_{CK}	0,32
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m ³ /h	39024
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Contact details	<p>Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey</p>
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HEATING MODE

Model	50/48 UP-125
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	$P_{rated,h}$	115,6
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	138
Seasonal Coefficient of Performance, kWh/kWh	SCOP	3,52
Sound power level, outdoor, dB	L_{WA}	84,7

Declared heating capacity and coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature T_j

Climate:	Average (Strasbourg)		
Bivalent temperature T_{biv} , °C	-4		
T_j , °C	Heating capacity P_{dh} , kW	COP_{dr} , %	Degradation coef, C_{dh}
- 7	81,5	2,72	
+ 2	62,2	3,49	
+ 7	40,0	4,54	
+ 12	39,3	4,78	0,25
Bivalent temperature	88,9	2,80	
Operating limit temperature	74,9	2,56	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat off mode, kW	P_{TO}	0,14
Crankcase heater mode, kW	P_{CK}	0,32

Supplementary heater

Back-up heating capacity, kW	elbu	40,6
Type of energy input		Electric
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air heat pumps

Air flow rate, outdoor measured, m ³ /h	39024
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UP-140
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	137,68
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	171,87
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,37
Sound power level, outdoor, dB	L_{WA}	84,7

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

Climate: $T_j, ^\circ\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _{dr} %	Degradation coef, C_{dc}
+ 35	137,68	3,09	
+ 30	100,45	4,07	
+ 25	65,22	5,05	
+ 20	41,97	5,52	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0,00
Thermostat-off mode, kW	P_{TO}	0,51
Crankcase heater mode, kW	P_{CK}	0,32
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m ³ /h	39744
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Contact details	<p>Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey</p>
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HEATING MODE

Model	50/48 UP-140
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	$P_{rated,h}$	130,9
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	139
Seasonal Coefficient of Performance, kWh/kWh	SCOP	3,55
Sound power level, outdoor, dB	L_{WA}	84,7

Declared heating capacity and coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature T_j

Climate:	Average (Strasbourg)		
Bivalent temperature T_{biv} , °C	-4		
T_j , °C	Heating capacity P_{dh} , kW	COP_{dr} , %	Degradation coef, C_{dh}
- 7	92,3	2,78	
+ 2	70,5	3,54	
+ 7	45,3	4,52	
+ 12	44,3	4,76	0,25
Bivalent temperature	100,7	2,85	
Operating limit temperature	84,7	2,62	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat off mode, kW	P_{TO}	0,17
Crankcase heater mode, kW	P_{CK}	0,32

Supplementary heater

Back-up heating capacity, kW	elbu	46,2
Type of energy input	Electric	
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air heat pumps

Air flow rate, outdoor measured, m ³ /h	39744
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UP-160
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	158,33
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	172,00
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,38
Sound power level, outdoor, dB	L_{WA}	88,6

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

Climate: $T_j, ^\circ\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _{dr} %	Degradation coef, C_{dc}
+ 35	158,33	3,15	
+ 30	116,66	3,94	
+ 25	75,00	4,65	
+ 20	53,05	6,39	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0,00
Thermostat-off mode, kW	P_{TO}	0,56
Crankcase heater mode, kW	P_{CK}	0,32
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m ³ /h	74160
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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HEATING MODE

Model	50/48 UP-160
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	$P_{rated,h}$	157,3
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	128
Seasonal Coefficient of Performance, kWh/kWh	SCOP	3,27
Sound power level, outdoor, dB	L_{WA}	88,6

Declared heating capacity and coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature T_j

Climate:	Average (Strasbourg)		
Bivalent temperature T_{biv} , °C	-4		
T_j , °C	Heating capacity P_{dh} , kW	COP_{dr} , %	Degradation coef, C_{dh}
- 7	111,1	2,56	
+ 2	84,7	3,12	
+ 7	54,5	4,34	
+ 12	54,0	4,58	0,25
Bivalent temperature	121,0	2,63	
Operating limit temperature	103,0	2,44	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat off mode, kW	P_{TO}	0,25
Crankcase heater mode, kW	P_{CK}	0,32

Supplementary heater

Back-up heating capacity, kW	e_{lbu}	54,3
Type of energy input		Electric
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air heat pumps

Air flow rate, outdoor measured, m ³ /h	74160
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UP-190
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	184,99
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	187,4
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,76
Sound power level, outdoor, dB	L_{WA}	92,3

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures T_j and indoor $27^{\circ}/19^{\circ}\text{C}$ (dry/wet bulb)

Climate: $T_j, ^{\circ}\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _d , %	Degradation coef, C_{dc}
+ 35	184,99	3,23	
+ 30	136,31	4,12	
+ 25	87,63	5,17	
+ 20	60,94	6,81	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0,00
Thermostat-off mode, kW	P_{TO}	0,09
Crankcase heater mode, kW	P_{CK}	0,272
Standby mode, kW	P_{SB}	0,36

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m³/h	83808
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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HEATING MODE

Model	50/48 UP-190
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	$P_{rated,h}$	173,0
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	141,4
Seasonal Coefficient of Performance, kWh/kWh	SCOP	3,61
Sound power level, outdoor, dB	L_{WA}	92,3

Declared heating capacity and coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature T_j

Climate:	Average (Strasbourg)		
Bivalent temperature T_{biv} , °C	-4		
T_j , °C	Heating capacity P_{dh} , kW	COP_{dr} , %	Degradation coef, C_{dh}
- 7	121,6	2,81	
+ 2	93,1	3,46	
+ 7	59,9	4,77	
+ 12	59,4	5,53	0,25
Bivalent temperature	133,2	2,90	
Operating limit temperature	111,3	2,65	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0,00
Thermostat off mode, kW	P_{TO}	0,13
Crankcase heater mode, kW	P_{CK}	0,32

Supplementary heater

Back-up heating capacity, kW	e_{lbu}	61,7
Type of energy input		Electric
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air heat pumps

Air flow rate, outdoor measured, m ³ /h	83808
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UP-220
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	215,43
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	197,00
Seasonal Coefficient of Performance, kWh/kWh	SEER	5,01
Sound power level, outdoor, dB	L_{WA}	93,9

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures T_j and indoor $27/19^\circ\text{C}$ (dry/wet bulb)

Climate: $T_j, ^\circ\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _d , %	Degradation coef, C_{dc}
+ 35	215,43	3,27	
+ 30	158,74	4,40	
+ 25	102,74	5,36	
+ 20	61,27	7,19	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0,00
Thermostat-off mode, kW	P_{TO}	0,40
Crankcase heater mode, kW	P_{CK}	0,27
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m³/h	80208
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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HEATING MODE

Model	50/48 UP-220
Heat pump type	Air-to-Air
Equipped with supplementary heater	No

Rated heating capacity, kW	$P_{rated,h}$	186,0
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	144
Seasonal Coefficient of Performance, kWh/kWh	SCOP	3,68
Sound power level, outdoor, dB	L_{WA}	93,9

Declared heating capacity and coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature T_j

Climate:	Average (Strasbourg)		
Bivalent temperature T_{biv} , °C	-4		
T_j , °C	Heating capacity P_{dh} , kW	COP_{dr} , %	Degradation coef, C_{dh}
- 7	132,6	2,79	
+ 2	100,2	3,63	
+ 7	64,4	4,8	
+ 12	61,3	5,41	0,25
Bivalent temperature	143,2	2,89	
Operating limit temperature	121,8	2,53	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0,00
Thermostat off mode, kW	P_{TO}	0,21
Crankcase heater mode, kW	P_{CK}	0,27

Supplementary heater

Back-up heating capacity, kW	e_{lbu}	64,2
Type of energy input		Electric
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air heat pumps

Air flow rate, outdoor measured, m ³ /h	80208
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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50/48 UC-(V) 025-220 R410A



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Rev No: 160924

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, m³/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 vaporacionada 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

TÜRKÇE

- [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, m³/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 (понаружному воздуху), м³/ч
- [26] Контактная информация

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]	$P_{rated,c}$	
Seasonal space cooling energy efficiency, % ^[7]	$\eta_{s,c}$	
Seasonal Coefficient of Performance, kWh/kWh ^[8]	SEER	
Sound power level, outdoor, dB ^[9]	L_{WA}	

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures T_j and indoor $27^\circ/19^\circ\text{C}$ (dry/wet bulb) ^[10]

Climate: ^[11]	Average (Strasbourg) ^[12]			
	$T_j, ^\circ\text{C}$	Cooling capacity P_{dc} , kW ^[13]	EER _d , %	Degradation coef, C_{dc} ^[14]
+ 35				
+ 30				
+ 25				
+ 20				

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

Off mode, kW ^[16]	P_{OFF}	
Thermostat-off mode, kW ^[17]	P_{TO}	
Crankcase heater mode, kW ^[18]	P_{CK}	
Standby mode, kW ^[19]	P_{SB}	

Other items ^[20]

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

For air-to-air air conditioner ^[24]

Air flow rate, outdoor measured, m³/h ^[25]	
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Contact details ^[26]	
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COOLING MODE

Model	50/48 UCV025
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	22,4
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	160,6
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,09
Sound power level, outdoor, dB	L_{WA}	81

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures T_j and indoor $27^{\circ}/19^{\circ}\text{C}$ (dry/wet bulb)

Climate: $T_j, ^{\circ}\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _d , %	Degradation coef, C_{dc}
+ 35	22,4	3,24	
+ 30	16,5	4,17	
+ 25	10,6	5,03	
+ 20	8,7	5,2	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat-off mode, kW	P_{TO}	0,03
Crankcase heater mode, kW	P_{CK}	0,07
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m³/h	12000
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UCV035
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	33,3
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	188,2
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,78
Sound power level, outdoor, dB	L_{WA}	82

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures T_j and indoor $27^{\circ}/19^{\circ}\text{C}$ (dry/wet bulb)

Climate: $T_j, ^{\circ}\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _d , %	Degradation coef, C_{dc}
+ 35	33,3	3,29	
+ 30	24,5	4,72	
+ 25	15,8	5,94	
+ 20	12,8	6	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat-off mode, kW	P_{TO}	0,08
Crankcase heater mode, kW	P_{CK}	0,065
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m³/h	12200
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UCV045
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	41,8
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	172,2
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,38
Sound power level, outdoor, dB	L_{WA}	83

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures T_j and indoor $27^{\circ}/19^{\circ}\text{C}$ (dry/wet bulb)

Climate: $T_j, ^{\circ}\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _d , %	Degradation coef, C_{dc}
+ 35	41,8	3,01	
+ 30	30,8	3,9	
+ 25	19,8	5,38	
+ 20	15,8	5,71	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat-off mode, kW	P_{TO}	0,1
Crankcase heater mode, kW	P_{CK}	0,08
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m³/h	18100
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UCV055
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	54,7
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	174,6
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,44
Sound power level, outdoor, dB	L_{WA}	83

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures T_j and indoor $27^{\circ}/19^{\circ}\text{C}$ (dry/wet bulb)

Climate: $T_j, ^{\circ}\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _d , %	Degradation coef, C_{dc}
+ 35	54,7	3,17	
+ 30	40,3	3,98	
+ 25	25,9	5,32	
+ 20	22,2	5,71	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat-off mode, kW	P_{TO}	0,23
Crankcase heater mode, kW	P_{CK}	0,08
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m³/h	17700
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UCV065
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	64
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	192
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,88
Sound power level, outdoor, dB	L_{WA}	84

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

Climate: $T_j, ^\circ\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _{dr} %	Degradation coef, C_{dc}
+ 35	64,0	3,43	
+ 30	47,2	4,62	
+ 25	30,3	4,72	
+ 20	14,3	8,86	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat-off mode, kW	P_{TO}	0,07
Crankcase heater mode, kW	P_{CK}	0,17
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m ³ /h	24800
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UCV075
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	76,8
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	182
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,62
Sound power level, outdoor, dB	L_{WA}	84

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

Climate: $T_j, ^\circ\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _{dr} %	Degradation coef, C_{dc}
+ 35	76,8	3,41	
+ 30	56,6	4,22	
+ 25	36,4	4,40	
+ 20	16,1	8,36	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat-off mode, kW	P_{TO}	0,10
Crankcase heater mode, kW	P_{CK}	0,18
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m ³ /h	35400
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Contact details	<p>Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey</p>
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COOLING MODE

Model	50/48 UCV090
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	84,8
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	186
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,73
Sound power level, outdoor, dB	L_{WA}	84

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

Climate:	Average (Strasbourg)			
	$T_j, ^\circ\text{C}$	Cooling capacity P_{dc} , kW	EER _{dr} %	Degradation coef, C_{dc}
	+ 35	84,8	3,20	
	+ 30	62,5	4,24	
	+ 25	40,2	4,42	
	+ 20	19,1	9,55	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat-off mode, kW	P_{TO}	0,12
Crankcase heater mode, kW	P_{CK}	0,21
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m ³ /h	35400
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Contact details	<p>Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey</p>
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COOLING MODE

Model	50/48 UCV105
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	99,6
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	165
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,19
Sound power level, outdoor, dB	L_{WA}	85

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

Climate:	Average (Strasbourg)			
	$T_j, ^\circ\text{C}$	Cooling capacity P_{dc} , kW	EER _{dr} %	Degradation coef, C_{dc}
	+ 35	99,6	2,83	
	+ 30	73,4	3,78	
	+ 25	47,2	3,87	
	+ 20	21,0	8,28	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat-off mode, kW	P_{TO}	0,32
Crankcase heater mode, kW	P_{CK}	0,21
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m ³ /h	39960
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Contact details	<p>Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey</p>
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COOLING MODE

Model	50/48 UCV125
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	123,3
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	189
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,81
Sound power level, outdoor, dB	L_{WA}	85

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

Climate: $T_j, ^\circ\text{C}$	Average (Strasbourg)		
	Cooling capacity P _{dc} , kW	EER _{dr} %	Degradation coef, C _{dc}
+ 35	123,3	3,29	
+ 30	90,8	4,53	
+ 25	58,4	4,37	
+ 20	26,0	9,08	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat-off mode, kW	P_{TO}	0,31
Crankcase heater mode, kW	P_{CK}	0,24
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m ³ /h	39024
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UCV140
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	137,9
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	186
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,73
Sound power level, outdoor, dB	L_{WA}	85

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

Climate: $T_j, ^\circ\text{C}$	Average (Strasbourg)		
	Cooling capacity P _{dc} , kW	EER _{dr} %	Degradation coef, C _{dc}
+ 35	137,9	3,18	
+ 30	101,6	4,38	
+ 25	65,3	4,55	
+ 20	29,0	8,00	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat-off mode, kW	P_{TO}	0,35
Crankcase heater mode, kW	P_{CK}	0,22
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m ³ /h	39744
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UCV160
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	156,9
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	180
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,58
Sound power level, outdoor, dB	L_{WA}	89

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

Climate: $T_j, ^\circ\text{C}$	Average (Strasbourg)		
	Cooling capacity Pdc, kW	EER _{dr} %	Degradation coef, C _{dc}
+ 35	156,9	3,16	
+ 30	115,6	4,02	
+ 25	74,3	4,20	
+ 20	33,0	8,74	

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat-off mode, kW	P_{TO}	0,43
Crankcase heater mode, kW	P_{CK}	0,22
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m ³ /h	74160
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Contact details	<p>Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey</p>
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COOLING MODE

Model	50/48 UCV190
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	178,6
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	171
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,36
Sound power level, outdoor, dB	L_{WA}	92,3

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

Climate: $T_j, ^\circ\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _{dr} %	Degradation coef, C_{dc}
+ 35	178,6	3,01	
+ 30	131,6	3,75	
+ 25	84,6	4,42	
+ 20	38,3	7,04	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat-off mode, kW	P_{TO}	0,61
Crankcase heater mode, kW	P_{CK}	0,22
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m ³ /h	83376
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UCV220
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	197,8
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	208
Seasonal Coefficient of Performance, kWh/kWh	SEER	5,28
Sound power level, outdoor, dB	L_{WA}	93,9

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

Climate: $T_j, ^\circ\text{C}$	Average (Strasbourg)		
	Cooling capacity P _{dc} , kW	EER _{dr} %	Degradation coef, C _{dc}
+ 35	197,8	3,16	
+ 30	145,8	4,02	
+ 25	93,7	5,30	
+ 20	40,3	10,82	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0
Thermostat-off mode, kW	P_{TO}	0,26
Crankcase heater mode, kW	P_{CK}	0,19
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO ₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m ³ /h	79920
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UC-055
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	52,70
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	162,01
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,13
Sound power level, outdoor, dB	L_{WA}	83,2

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures T_j and indoor $27^{\circ}/19^{\circ}\text{C}$ (dry/wet bulb)

Climate: $T_j, ^{\circ}\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _d , %	Degradation coef, C_{dc}
+ 35	52,71	3,00	
+ 30	38,84	4,03	
+ 25	34,79	5,12	0,25
+ 20	34,60	4,93	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0,00
Thermostat-off mode, kW	P_{TO}	0,24
Crankcase heater mode, kW	P_{CK}	0,16
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Variable
GWP of the refrigerant, kg CO₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m³/h	17712
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UC-065
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	64,10
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	175,08
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,45
Sound power level, outdoor, dB	L_{WA}	84,0

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures T_j and indoor $27^{\circ}/19^{\circ}\text{C}$ (dry/wet bulb)

Climate: $T_j, ^{\circ}\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _d , %	Degradation coef, C_{dc}
+ 35	64,10	3,45	
+ 30	47,23	4,28	
+ 25	30,36	5,18	
+ 20	19,56	5,72	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0,00
Thermostat-off mode, kW	P_{TO}	0,17
Crankcase heater mode, kW	P_{CK}	0,20
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m³/h	24800
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UC-075
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	76,37
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	179,56
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,56
Sound power level, outdoor, dB	L_{WA}	84,0

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures T_j and indoor $27^{\circ}/19^{\circ}\text{C}$ (dry/wet bulb)

Climate: $T_j, ^{\circ}\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _d , %	Degradation coef, C_{dc}
+ 35	76,37	3,43	
+ 30	56,27	4,22	
+ 25	36,18	5,24	
+ 20	23,07	5,97	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0,00
Thermostat-off mode, kW	P_{TO}	0,15
Crankcase heater mode, kW	P_{CK}	0,2
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m³/h	35400
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UC-090
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	85,00
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	164,64
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,19
Sound power level, outdoor, dB	L_{WA}	84,0

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures T_j and indoor $27^{\circ}/19^{\circ}\text{C}$ (dry/wet bulb)

Climate: $T_j, ^{\circ}\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _d , %	Degradation coef, C_{dc}
+ 35	85,01	3,30	
+ 30	62,64	4,04	
+ 25	40,27	4,92	
+ 20	25,80	4,94	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0,00
Thermostat-off mode, kW	P_{TO}	0,20
Crankcase heater mode, kW	P_{CK}	0,26
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m³/h	35400
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UC-105
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	101,99
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	152,94
Seasonal Coefficient of Performance, kWh/kWh	SEER	3,90
Sound power level, outdoor, dB	L_{WA}	84,5

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures T_j and indoor $27^\circ/19^\circ\text{C}$ (dry/wet bulb)

Climate: $T_j, ^\circ\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _d , %	Degradation coef, C_{dc}
+ 35	101,99	2,86	
+ 30	75,15	3,61	
+ 25	48,31	4,39	
+ 20	31,57	5,40	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0,00
Thermostat-off mode, kW	P_{TO}	0,49
Crankcase heater mode, kW	P_{CK}	0,32
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m³/h	39960
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UC-125
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	125,57
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	178,89
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,55
Sound power level, outdoor, dB	L_{WA}	84,7

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures T_j and indoor $27^{\circ}/19^{\circ}\text{C}$ (dry/wet bulb)

Climate: $T_j, ^{\circ}\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _d , %	Degradation coef, C_{dc}
+ 35	125,57	3,18	
+ 30	92,53	4,23	
+ 25	59,48	5,25	
+ 20	38,21	5,90	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0,00
Thermostat-off mode, kW	P_{TO}	0,40
Crankcase heater mode, kW	P_{CK}	0,32
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m³/h	39024
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UC-140
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	137,68
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	171,87
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,37
Sound power level, outdoor, dB	L_{WA}	84,7

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures T_j and indoor $27^{\circ}/19^{\circ}\text{C}$ (dry/wet bulb)

Climate: $T_j, ^{\circ}\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _d , %	Degradation coef, C_{dc}
+ 35	137,68	3,09	
+ 30	100,45	4,07	
+ 25	65,22	5,05	
+ 20	41,97	5,52	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0,00
Thermostat-off mode, kW	P_{TO}	0,51
Crankcase heater mode, kW	P_{CK}	0,32
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m³/h	39744
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UC-160
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	158,33
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	172,00
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,38
Sound power level, outdoor, dB	L_{WA}	88,6

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures T_j and indoor $27^{\circ}/19^{\circ}\text{C}$ (dry/wet bulb)

Climate: $T_j, ^{\circ}\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _d , %	Degradation coef, C_{dc}
+ 35	158,33	3,15	
+ 30	116,66	3,94	
+ 25	75,00	4,65	
+ 20	53,05	6,39	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0,00
Thermostat-off mode, kW	P_{TO}	0,56
Crankcase heater mode, kW	P_{CK}	0,32
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m³/h	74160
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UC-190
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	184,99
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	189,00
Seasonal Coefficient of Performance, kWh/kWh	SEER	4,80
Sound power level, outdoor, dB	L_{WA}	92,3

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures T_j and indoor $27/19^\circ\text{C}$ (dry/wet bulb)

Climate: $T_j, ^\circ\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _d , %	Degradation coef, C_{dc}
+ 35	184,99	3,23	
+ 30	136,31	4,12	
+ 25	87,63	5,17	
+ 20	60,94	6,81	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0,00
Thermostat-off mode, kW	P_{TO}	0,09
Crankcase heater mode, kW	P_{CK}	0,32
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m³/h	83808
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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COOLING MODE

Model	50/48 UC-220
Air conditioner type	Air-to-Air
Type	Compressor driven vapour compression

Rated cooling capacity, kW	$P_{rated,c}$	215,43
Seasonal space cooling energy efficiency, %	$\eta_{s,c}$	197,00
Seasonal Coefficient of Performance, kWh/kWh	SEER	5,01
Sound power level, outdoor, dB	L_{WA}	93,9

Declared cooling capacity and energy efficiency ratio for part load at given outdoor temperatures T_j and indoor $27^{\circ}/19^{\circ}\text{C}$ (dry/wet bulb)

Climate: $T_j, ^{\circ}\text{C}$	Average (Strasbourg)		
	Cooling capacity P_{dc} , kW	EER _d , %	Degradation coef, C_{dc}
+ 35	215,43	3,27	
+ 30	158,74	4,40	
+ 25	102,74	5,36	
+ 20	61,27	7,19	0,25

Power consumption in modes other than 'active mode'

Off mode, kW	P_{OFF}	0,00
Thermostat-off mode, kW	P_{TO}	0,40
Crankcase heater mode, kW	P_{CK}	0,27
Standby mode, kW	P_{SB}	0,17

Other items

Capacity control	Staged
GWP of the refrigerant, kg CO₂ equivalent (100 years)	2088

For air-to-air air conditioner

Air flow rate, outdoor measured, m³/h	80208
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Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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turn to the experts 



48 UC(V)/UP(V) 025-220

Rev No: 180121

ENGLISH

- [0] Supplementary Heating Mode ^[0]
 [1] Model ^[1]
 [2] B₁ warm air heater ^[2]
 [3] Yes ^[3]
 [4] No ^[4]
 [5] C₂ warm air heater ^[5]
 [6] C₄ warm air heater ^[6]
 [7] Type of fuel ^[7]
 [8] Gas ^[8]
 [9] Rated heating capacity, kW ^[9]
 [10] Minimum capacity, kW ^[10]
 [11] Useful efficiency ^[11]
 [12] Useful efficiency at rated heating capacity, % ^[12]
 [13] Useful efficiency at minimum capacity, % ^[13]
 [14] Electric power consumption ^[14]
 [15] At rated heating capacity, kW ^[15]
 [16] At minimal capacity, kW ^[16]
 [17] In standby mode, kW ^[17]
 [18] Other items ^[18]
 [19] Envelope loss factor, % ^[19]
 [20] Ignition burner power consumption, kW ^[20]
 [21] Emissions of nitrogen oxides, mg/kWh input energy (GCV) ^[21]
 [22] Emission efficiency, % ^[22]
 [23] Seasonal space heating energy efficiency, % ^[23]
 [24] Contact details ^[24]

ESPAÑOL

- [0] Modo Calor Suplementario ^[0]
 [1] Modelo ^[1]
 [2] B₁ Recalentador de aire ^[2]
 [3] Si ^[3]
 [4] No ^[4]
 [5] C₂ Recalentador de aire ^[5]
 [6] C₄ Recalentador de aire ^[6]
 [7] Tipo de combustible ^[7]
 [8] Gas ^[8]
 [9] Capacidad de calor nominal, kW ^[9]
 [10] Capacidad mínima, kW ^[10]
 [11] Eficiencia útil ^[11]
 [12] Eficiencia útil a capacidad de calor nominal, % ^[12]
 [13] Eficiencia útil a capacidad mínima, % ^[13]
 [14] Potencia eléctrica absorbida ^[14]
 [15] A capacidad de calor nominal, kW ^[15]
 [16] A capacidad mínima, kW ^[16]
 [17] En modo espera, kW ^[17]
 [18] Otros elementos ^[18]
 [19] Factor de pérdida de la envolvente, % ^[19]
 [20] Consumo del quemador de ignición, kW ^[20]
 [21] Emisiones de óxidos de nitrógeno, mg/kWh consumo de energía (GCV) ^[21]
 [22] Eficiencia de la emisión, % ^[22]
 [23] Eficiencia energética estacional en calefacción, % ^[23]
 [24] Datos de contacto ^[24]

FRANÇAIS

- [0] Mode chaud supplémentaire ^[0]
 [1] Modèle ^[1]
 [2] B₁ warm air heater ^[2]
 [3] Oui ^[3]
 [4] Non ^[4]
 [5] C₂ resistance air chaud ^[5]
 [6] C₄ resistance air chaud ^[6]
 [7] Type de carburant ^[7]
 [8] Gaz ^[8]
 [9] Puissance calorifique nominale, kW ^[9]
 [10] Puissance minimale, kW ^[10]
 [11] Efficacité ^[11]
 [12] Efficacité à puissance calorifique nominale, % ^[12]
 [13] Efficacité à puissance minimale, % ^[13]
 [14] Consommation électrique ^[14]
 [15] à puissance calorifique nominale, kW ^[15]
 [16] à puissance minimale, kW ^[16]
 [17] Mode veille, kW ^[17]
 [18] Autres caractéristiques ^[18]
 [19] Facteur de perte de charge, % ^[19]
 [20] Consommation d'énergie du brûleur au démarrage, kW ^[20]
 [21] Emissions de nitrogen oxides, mg/kWh entrée d'énergie (GCV) ^[21]
 [22] Efficacité d'émission, % ^[22]
 [23] Efficacité énergétique du chauffage saisonnier des locaux, %
 [24] Coordonnées de contact

PORTUGUÊS

- [0] Modo Aquecimento Extra ^[0]
 [1] Modelo ^[1]
 [2] B₁ Reaquecimento de ar ^[2]
 [3] Sim ^[3]
 [4] Não ^[4]
 [5] C₂ Reaquecimento de ar ^[5]
 [6] C₄ Reaquecimento de ar ^[6]
 [7] Tipo de combustível ^[7]
 [8] Gás ^[8]
 [9] Potência de Aquecimento nominal, kW ^[9]
 [10] Potência mínima, kW ^[10]
 [11] Eficiência útil ^[11]
 [12] Eficiência útil à potência de aquecimento nominal, % ^[12]
 [13] Eficiência útil à potência mínima, % ^[13]
 [14] Potência eléctrica absorvida ^[14]
 [15] À potência de Aquecimento nominal, kW ^[15]
 [16] À Potência mínima, kW ^[16]
 [17] Em Modo Stand By, kW ^[17]
 [18] Outros parâmetros ^[18]
 [19] Factor de Perda pela Envolvente, % ^[19]
 [20] Potência do queimador, kW ^[20]
 [21] Emissões de Óxido de Azoto, mg/kWh consumo de energia (GCV) ^[21]
 [22] Eficiência de Emissão, % ^[22]
 [23] Seficiência Energética sazonal em Aquecimento, % ^[23]
 [24] Dados de contacto ^[24]

TÜRKÇE

- [0] Tamamlayıcı Isıtma Modu ^[0]
 [1] Model ^[1]
 [2] B₁ Sıcak Hava Isıtıcısı ^[2]
 [3] Evet ^[3]
 [4] Hayır ^[4]
 [5] C₂ Sıcak Hava Isıtıcısı ^[5]
 [6] C₄ Sıcak Hava Isıtıcısı ^[6]
 [7] Yakıt Türü ^[7]
 [8] Gaz ^[8]
 [9] Anma Isıtma Kapasitesi, kW ^[9]
 [10] Minimum kapasite, kW ^[10]
 [11] Kullanışlı verim, % ^[11]
 [12] Nominal ısıtma kapasitesinde kullanışlı verim, % ^[12]
 [13] Minimum kapasitede kullanışlı verim, % ^[13]
 [14] Elektrik güç tüketimi, kW ^[14]
 [15] Nominal ısıtma kapasitesinde, kW ^[15]
 [16] Asgari kapasitede, kW ^[16]
 [17] Bekleme modunda, kW ^[17]
 [18] Diğer öğeler ^[18]
 [19] Gövde kayıp faktörü, % ^[19]
 [20] Brülör ateşleme güç tüketimi, kW ^[20]
 [21] Nitrojen oksit emisyonu, mg/kWh enerji girdisi (GCV) ^[21]
 [22] Emisyon verimi, % ^[22]
 [23] Sezonsal Mahal Isıtma Enerji Verimi, % ^[23]
 [24] İletişim bilgileri ^[24]

РУССКИЙ

- [0] Дополнительный тепловой режим ^[0]
 [1] Модель ^[1]
 [2] B₁ теплый воздухонагреватель ^[2]
 [3] да ^[3]
 [4] нет ^[4]
 [5] C₂ теплый воздухонагреватель ^[5]
 [6] C₄ теплый воздухонагреватель ^[6]
 [7] Тип топлива ^[7]
 [8] Газ ^[8]
 [9] Номинальная теплопроизводительность, кВт ^[9]
 [10] Минимальная производительность, кВт ^[10]
 [11] Полезная эффективность ^[11]
 [12] Полезная эффективность при номинальной теплопроизводительности, % ^[12]
 [13] Полезная эффективность при минимальной производительности, % ^[13]
 [14] Потребление электроэнергии ^[14]
 [15] При номинальной теплопроизводительности, кВт ^[15]
 [16] При минимальной производительности, кВт ^[16]
 [17] В режиме ожидания, кВт ^[17]
 [18] Прочее ^[18]
 [19] Коэффициент потерь, % ^[19]
 [20] Потребляемая мощность горелки, кВт ^[20]
 [21] Выбросы оксидов азота, мг / кВтч подводимой энергии (GCV) ^[21]
 [22] Эффективность выбросов, % ^[22]
 [23] Сезонная эффективность обогрева помещений, % ^[23]
 [24] Контактная информация ^[24]

SUPPLEMENTARY HEATING MODE ^[0]

Model ^[1]	
B₁ warm air heater ^[2]	Yes ^[3] / No ^[4]
C₂ warm air heater ^[5]	Yes ^[3] / No ^[4]
C₄ warm air heater ^[6]	Yes ^[3] / No ^[4]
Type of fuel ^[7]	Gas ^[8]

Rated heating capacity, kW ^[9]	$P_{ated,h}$	
Minimum capacity, kW ^[10]	P_{min}	

Useful efficiency ^[11]

Useful efficiency at rated heating capacity, % ^[12]	η_{nom}	
Useful efficiency at minimum capacity, % ^[13]	η_{pl}	

Electric power consumption ^[14]

At rated heating capacity, kW ^[15]	el_{max}	
At minimal capacity, kW ^[16]	el_{min}	
In standby mode, kW ^[17]	el_{sb}	

Other items ^[18]

Envelope loss factor, % ^[19]	F_{env}	
Ignition burner power consumption, kW ^[20]	P_{ign}	
Emissions of nitrogen oxides, mg/kWh input energy (GCV) ^[21]	NO_x	
Emission efficiency, % ^[22]	$\eta_{s,flow}$	
Seasonal space heating energy efficiency, % ^[23]	$\eta_{s,h}$	

Contact details ^[24]	
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SUPPLEMENTARY HEATING MODE

Model	PCH034
B₁ warm air heater	No
C₂ warm air heater	No
C₄ warm air heater	No
Type of fuel	Gas

Rated heating capacity, kW	$P_{ated,h}$	33,6
Minimum capacity, kW	P_{min}	8,1

Useful efficiency

Useful efficiency at rated heating capacity, %	η_{nom}	87,8
Useful efficiency at minimum capacity, %	η_{pl}	96,4

Electric power consumption

At rated heating capacity, kW	el_{max}	0,074
At minimal capacity, kW	el_{min}	0,011
In standby mode, kW	el_{sb}	0,005

Other items

Envelope loss factor, %	F_{env}	0,0
Ignition burner power consumption, kW	P_{ign}	0,0
Emissions of nitrogen oxides, mg/kWh input energy (GCV)	NO_x	38
Emission efficiency, %	$\eta_{s,flow}$	97,3
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	92,1

Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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SUPPLEMENTARY HEATING MODE

Model	PCH045
B₁ warm air heater	No
C₂ warm air heater	No
C₄ warm air heater	No
Type of fuel	Gas

Rated heating capacity, kW	$P_{ated,h}$	40,5
Minimum capacity, kW	P_{min}	9,0

Useful efficiency

Useful efficiency at rated heating capacity, %	η_{nom}	86,8
Useful efficiency at minimum capacity, %	η_{pl}	95,1

Electric power consumption

At rated heating capacity, kW	el_{max}	0,082
At minimal capacity, kW	el_{min}	0,024
In standby mode, kW	el_{sb}	0,005

Other items

Envelope loss factor, %	F_{env}	0,0
Ignition burner power consumption, kW	P_{ign}	0,0
Emissions of nitrogen oxides, mg/kWh input energy (GCV)	NO_x	30
Emission efficiency, %	$\eta_{s,flow}$	97,0
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	90,8

Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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SUPPLEMENTARY HEATING MODE

Model	PCH065
B₁ warm air heater	No
C₂ warm air heater	No
C₄ warm air heater	No
Type of fuel	Gas

Rated heating capacity, kW	$P_{ated,h}$	62,9
Minimum capacity, kW	P_{min}	13,4

Useful efficiency

Useful efficiency at rated heating capacity, %	η_{nom}	87,2
Useful efficiency at minimum capacity, %	η_{pl}	97,4

Electric power consumption

At rated heating capacity, kW	el_{max}	0,097
At minimal capacity, kW	el_{min}	0,015
In standby mode, kW	el_{sb}	0,005

Other items

Envelope loss factor, %	F_{env}	0,0
Ignition burner power consumption, kW	P_{ign}	0,0
Emissions of nitrogen oxides, mg/kWh input energy (GCV)	NO_x	35
Emission efficiency, %	$\eta_{s,flow}$	97,4
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	93,2

Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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SUPPLEMENTARY HEATING MODE

Model	PCH080
B₁ warm air heater	No
C₂ warm air heater	No
C₄ warm air heater	No
Type of fuel	Gas

Rated heating capacity, kW	$P_{ated,h}$	80,0
Minimum capacity, kW	P_{min}	17,8

Useful efficiency

Useful efficiency at rated heating capacity, %	η_{nom}	87,9
Useful efficiency at minimum capacity, %	η_{pl}	97,6

Electric power consumption

At rated heating capacity, kW	el_{max}	0,123
At minimal capacity, kW	el_{min}	0,020
In standby mode, kW	el_{sb}	0,005

Other items

Envelope loss factor, %	F_{env}	0,0
Ignition burner power consumption, kW	P_{ign}	0,0
Emissions of nitrogen oxides, mg/kWh input energy (GCV)	NO_x	37
Emission efficiency, %	$\eta_{s,flow}$	97,1
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	93,2

Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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SUPPLEMENTARY HEATING MODE

Model	PCH105
B₁ warm air heater	No
C₂ warm air heater	No
C₄ warm air heater	No
Type of fuel	Gas

Rated heating capacity, kW	$P_{ated,h}$	97,2
Minimum capacity, kW	P_{min}	22,8

Useful efficiency

Useful efficiency at rated heating capacity, %	η_{nom}	87,5
Useful efficiency at minimum capacity, %	η_{pl}	97,7

Electric power consumption

At rated heating capacity, kW	el_{max}	0,130
At minimal capacity, kW	el_{min}	0,020
In standby mode, kW	el_{sb}	0,005

Other items

Envelope loss factor, %	F_{env}	0,0
Ignition burner power consumption, kW	P_{ign}	0,0
Emissions of nitrogen oxides, mg/kWh input energy (GCV)	NO_x	35
Emission efficiency, %	$\eta_{s,flow}$	97,0
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	93,1

Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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SUPPLEMENTARY HEATING MODE

Model	PCH160
B₁ warm air heater	No
C₂ warm air heater	No
C₄ warm air heater	No
Type of fuel	Gas

Rated heating capacity, kW	$P_{ated,h}$	160,1
Minimum capacity, kW	P_{min}	17,8

Useful efficiency

Useful efficiency at rated heating capacity, %	η_{nom}	87,9
Useful efficiency at minimum capacity, %	η_{pl}	97,6

Electric power consumption

At rated heating capacity, kW	el_{max}	0,246
At minimal capacity, kW	el_{min}	0,020
In standby mode, kW	el_{sb}	0,005

Other items

Envelope loss factor, %	F_{env}	0,0
Ignition burner power consumption, kW	P_{ign}	0,0
Emissions of nitrogen oxides, mg/kWh input energy (GCV)	NO_x	37
Emission efficiency, %	$\eta_{s,flow}$	97,9
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	94,0

Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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SUPPLEMENTARY HEATING MODE

Model	PCH210
B₁ warm air heater	No
C₂ warm air heater	No
C₄ warm air heater	No
Type of fuel	Gas

Rated heating capacity, kW	$P_{ated,h}$	194,3
Minimum capacity, kW	P_{min}	22,8

Useful efficiency

Useful efficiency at rated heating capacity, %	η_{nom}	87,5
Useful efficiency at minimum capacity, %	η_{pl}	97,7

Electric power consumption

At rated heating capacity, kW	el_{max}	0,260
At minimal capacity, kW	el_{min}	0,020
In standby mode, kW	el_{sb}	0,005

Other items

Envelope loss factor, %	F_{env}	0,0
Ignition burner power consumption, kW	P_{ign}	0,0
Emissions of nitrogen oxides, mg/kWh input energy (GCV)	NO_x	35
Emission efficiency, %	$\eta_{s,flow}$	97,9
Seasonal space heating energy efficiency, %	$\eta_{s,h}$	94,0

Contact details	Alarko Carrier San ve Tic. A. S. GOSB Sahabettin Bilgisu Cad. 41480 Gebze, Kocaeli, Turkey
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