9.5 Erp information

8HP

Cooling mode:

Info	rmatio	n requ	irement	s 1	for air-to-air cond	itioner	'S		
Model(s): KMF-252 DNo Test matching indoor un		-duct: 2×KC	IF-45 DN5.0+	-KC	CIBF-80 DN5.0+KCIBF-90 DN5	5.0			
Outdoor side heat excha	anger of air	conditioner:	air						
Indoor side heat exchar	nger of air c	onditioner: a	ir						
Type: compressor drive	n								
Driver of compressor: e	lectric moto	r							
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated cooling capacity	Prated,c	25.20	kW		Seasonal space cooling energy efficiency	ηs,c	287.0	%	
Declared cooling capa temperatures T _j an	acity for par d indoor 27/	t load at give 119°C (dry/w	en outdoor et bulb)		Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures Tj				
Tj=+35°C	Pdc	25.20	kW		Tj=+35°C	EERd	3.30		
Tj=+30°C	Pdc	18.57	kW		Tj=+30°C	EERd	4.97		
Tj=+25°C	Pdc	11.94	kW		Tj=+25°C	EERd	8.41		
Tj=+20°C	Pdc	8.42	kW		Tj=+20°C	EERd	15.20		
Degradation co-efficient for air conditioners(*)	Cdc	0.25							
	!	Power consu	umption in mo	des	s other than "active mode"				
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.04	kW	
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW	
			Othe	er it	ems				
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		11800	m³/h	
Sound power level, outdoor	Lwa	76	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						

Contact details

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

	Infor	mation	requirer	ments for heat pum	ps		
Model(s): KMF-252 DNo Test matching indoor ur		-duct: 2×KC	IF-45 DN5.0+l	KCIBF-80 DN5.0+KCIBF-90 DN5	5.0		
Outdoor side heat exch							
Indoor side heat exchar	nger of air c	onditioner: a	ir		,		
If the heater is equipped	d with a sup	plementary	heater: no				
Driver of compressor: e	lectric moto	r					
Parameters shall be de optional.	clared for th	e average h	eating season	, parameters for the warmer and	colder hea	ating seaso	ns are
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	Prated,h	25.20	kW	Seasonal space heating energy efficiency	ηs,h	163.0	%
Declared heating teperature 20°C				Declared coefficient of pe efficiency/auxiliary energy outdoor ten	factor for	part load a	
Tj=-7°C	Pdh	12.12	kW	Tj=-7°C	COPd	2.92	-
Tj=+2°C	Pdh	7.38	kW	Tj=+2°C	COPd	3.66	
Tj=+7°C	Pdh	4.74	kW	Tj=+7°C	COPd	5.90	
Tj=+12°C	Pdh	4.92	kW	Tj=+12°C	COPd	8.60	
T _{biv} =bivalent temperature	Pdh	13.70	kW	T _{biv} =bivalent temperature	COPd	2.35	-
ToL=operation temperature	Pdh	13.70	kW	ToL =operation temperature	COPd	2.35	-
Bivalent temperature	Tbiv	-10	°C				
Degradation co- efficient for heat pumps(**)	Cdh	0.25					
Power consumption in r	modes other	than "active	e mode"	Suppleme	ntary heate	er	
Off mode	Poff	0.005	kW	Back-up heating capacity(*)	elbu	0.04	kW
Thermosat-off mode	Рто	0.005	kW	Type of energy input			
Crankcase heater mode	Рск	0.04	kW	Standby mode	PSB	0.005	kW
			Othe	r items			
Capacity control		variable		For air-to-air heat pump: air flow rate, outdoor measured		11800	m³/h
Sound power level,outdoor	Lwa	76	dB				
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				
Contact details							
(*)							
(**)If Cdh is not determin	ned by meas	surement, th	en the default	degradation coefficient of heat p	umps shal	l be 0.25.	
				result and performance data may unit(s) recommended by the ma			

Cooling mode:

Info	rmatio	n requi	irement	s f	for air-to-air cond	itioner	'S	
Model(s): KMF-280 DNe Test matching indoor ur)-duct: KCIF	-45 DN5.0 +	3×K	(CIBF-80 DN5.0			
Outdoor side heat exch	anger of air	conditioner:	air					
Indoor side heat exchar	nger of air co	onditioner: a	ir					
Type: compressor drive	n							
Driver of compressor: e	lectric moto	r						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	28.00	kW		Seasonal space cooling energy efficiency	ηs,c	279.0	%
Declared cooling capa temperatures Tj an				Declared energy efficiency ratio or gas utilisation efficiel /auxiliary energy factor for part load at given outdoor temperatures Tj				
Tj=+35°C	Pdc	28.00	kW		Tj=+35°C	EERd	3.09	
Tj=+30°C	Pdc	20.63	kW		Tj=+30°C	EERd	4.80	
Tj=+25°C	Pdc	13.26	kW		Tj=+25°C	EERd	8.34	
Tj=+20°C	Pdc	8.96	kW		Tj=+20°C	EERd	14.60	
								•
Degradation co- efficient for air conditioners(*)	Cdc	0.25						
	ſ	Power consu	umption in mo	odes	s other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Pck	0.04	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	Psb	0.005	kW
			Othe	er it	ems			
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		12500	m³/h
Sound power level, outdoor	Lwa	79	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					

Contact details

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

	Infor	mation	requirer	ments for heat pum	ps		
Model(s): KMF-280 DN Test matching indoor ur		-duct: KCIF-	45 DN5.0 + 3	×KCIBF-80 DN5.0			
Outdoor side heat exch	anger of air	conditioner:	air				
Indoor side heat exchar	nger of air co	onditioner: a	ir				
If the heater is equipped	d with a sup	plementary	heater: no				
Driver of compressor: e	lectric moto	r					
Parameters shall be de optional.	clared for th	e average h	eating season	, parameters for the warmer and	colder hea	ating seaso	ns are
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	Prated,h	28.00	kW	Seasonal space heating energy efficiency	ηs,h	161.4	%
Declared heating teperature 20°C				Declared coefficient of pe efficiency/auxiliary energy outdoor ter	factor for	part load a	
Tj=-7°C	Pdh	14.16	kW	Tj=-7°C	COPd	2.85	
Tj=+2°C	Pdh	8.62	kW	Tj=+2°C	COPd	4.02	
Tj=+7°C	Pdh	5.54	kW	Tj=+7°C	COPd	4.91	
Tj=+12°C	Pdh	5.19	kW	Tj=+12°C	COPd	7.12	
T _{biv} =bivalent temperature	Pdh	16.00	kW	T _{biv} =bivalent temperature	COPd	2.28	
ToL=operation temperature	Pdh	16.00	kW	ToL =operation temperature	COPd	2.28	
Bivalent temperature	Tbiv	-10	°C				
Degradation co- efficient for heat pumps(**)	Cdh	0.25					
Power consumption in r	modes other	than "active	e mode"	Suppleme	ntary heate	er	
Off mode	Poff	0.005	kW	Back-up heating capacity(*)	elbu	0.04	kW
Thermosat-off mode	Рто	0.005	kW	Type of energy input			
Crankcase heater mode	Рск	0.04	kW	Standby mode	PSB	0.005	kW
			Othe	r items			
Capacity control		variable		For air-to-air heat pump: air flow rate, outdoor measured		12500	m³/h
Sound power level,outdoor	Lwa	79	dB				
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				
Contact details							
(*)							
(**)If Cdh is not determine	ned by meas	surement, th	en the default	degradation coefficient of heat p	umps shal	l be 0.25.	
Where information relation performance of the outcomes	tes to multi-s door unit, wit	split heat pui th a combina	mps, xthe test ation of indoor	result and performance data magunit(s) recommended by the mag	y be obtair nufacturer	ned on the or importe	basis of r.

Cooling mode:

Info	rmatio	n requi	irement	s f	or air-to-air cond	itioner	'S		
Model(s): KMF-335 DN Test matching indoor ur		-duct: 4×KC	IF-45 DN5.0	+ 2>	KCIBF-80 DN5.0				
Outdoor side heat exch	anger of air	conditioner:	air						
Indoor side heat exchar	nger of air c	onditioner: a	ir						
Type: compressor drive	n								
Driver of compressor: e	lectric moto	r							
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated cooling capacity	Prated,c	33.50	kW		Seasonal space cooling energy efficiency	ηs,c	273.4	%	
Declared cooling capa temperatures T _j an					Declared energy efficiency ratio or gas utilisation efficients /auxiliary energy factor for part load at given outdoor temperatures T _j				
Tj=+35°C	Pdc	33.50	kW		Tj=+35°C	EERd	2.90		
Tj=+30°C	Pdc	24.68	kW		Tj=+30°C	EERd	5.19		
Tj=+25°C	Pdc	15.86	kW		Tj=+25°C	EERd	7.54		
Tj=+20°C	Pdc	8.62	kW		Tj=+20°C	EERd	14.10		
Degradation co- efficient for air conditioners(*)	Cdc	0.25							
		Power consu	umption in mo	des	s other than "active mode"				
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.04	kW	
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW	
			Othe	er it	ems				
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		12500	m³/h	
Sound power level, outdoor	Lwa	82	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						

Contact details

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

	Inforr	nation	require	nents for heat pum	ıps				
Model(s): KMF-335 DNe Test matching indoor ur		-duct: 4×KC	IF-45 DN5.0 -	- 2×KCIBF-80 DN5.0					
Outdoor side heat exch	anger of air	conditioner:	air						
Indoor side heat exchar	nger of air co	onditioner: a	ir						
If the heater is equipped	d with a sup	plementary	heater: no						
Driver of compressor: e	lectric motor	r							
Parameters shall be de optional.	clared for th	e average h	eating seasor	, parameters for the warmer and	d colder hea	ating seaso	ns are		
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heating capacity	Prated,h	33.50	kW	Seasonal space heating energy efficiency	ηs,h	161.4	%		
Declared heating teperature 20°C				Declared coefficient of pe efficiency/auxiliary energy outdoor te		part load a			
Tj=-7°C	Pdh	16.24	kW	Tj=-7°C	COPd	2.48			
Tj=+2°C	Pdh	9.89	kW	Tj=+2°C	COPd	4.15			
Tj=+7°C	Pdh	6.36	kW	Tj=+7°C	COPd	4.95			
Tj=+12°C	Pdh	5.03	kW	Tj=+12°C	COPd	7.62			
T _{biv} =bivalent temperature	Pdh	18.37	kW	T _{biv} =bivalent temperature	COPd	2.27			
ToL=operation temperature	Pdh	18.37	kW	ToL =operation temperature	COPd	2.27			
Bivalent temperature	Tbiv	-10	°C						
Degradation co- efficient for heat pumps(**)	Cdh	0.25							
Power consumption in r	nodes other	than "active	e mode"	Supplementary heater					
Off mode	Poff	0.005	kW	Back-up heating capacity(*)	elbu	0.04	kW		
Thermosat-off mode	Рто	0.005	kW	Type of energy input		•			
Crankcase heater mode	Рск	0.04	kW	Standby mode	PsB	0.005	kW		
			Othe	er items					
Capacity control		variable		For air-to-air heat pump: air flow rate, outdoor measured		12500	m³/h		
Sound power level,outdoor	Lwa	81	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						
Contact details									
(*)									
(**)If Cdh is not determin	ned by meas	surement, th	en the defaul	degradation coefficient of heat p	oumps shal	l be 0.25.			
Where information relat performance of the outo	es to multi-s loor unit, wit	plit heat pur h a combina	mps, xthe test ation of indoor	result and performance data ma unit(s) recommended by the ma	ay be obtair anufacturer	ned on the or importe	basis of		

Cooling mode:

Model(s):KMF-400 DN6 Test matching indoor units form, cassette: 2×KCIF-45 DN5.0 + 4×KCIBF-80 DN5.0 Outdoor side heat exchanger of air conditioner: air Indoor side heat exchanger of air conditioner: air Type: compressor driven Driver of compressor: electric motor Item Symbol Value Unit Item Symbol Value Rated cooling capacity Prated,c 40.00 kW Seasonal space cooling energy efficiency ns.c 263.0 Declared cooling capacity for part load at given outdoor temperatures Tj and indoor 27/19°C (dry/wet bulb) Tj=+35°C Pdc 40.00 kW Tj=+35°C EERd 2.54 Tj=+30°C Pdc 29.48 kW Tj=+30°C EERd 4.36 Tj=+25°C Pdc 18.95 kW Tj=+25°C EERd 8.21 Tj=+20°C Pdc 7.88 kW Tj=+25°C EERd 13.60 Degradation co-efficient for air conditioners(*) Power consumption in modes other than "active mode" Off mode Poff 0.005 kW Crankcase heater mode Pck 0.04	Unit %
Indoor side heat exchanger of air conditioner: air Type: compressor driven Driver of compressor: electric motor Item Symbol Value Unit Item Symbol Value Seasonal space cooling energy efficiency Item Prated,c 40.00 kW Seasonal space cooling energy efficiency Item Prated,c 40.00 kW Seasonal space cooling energy efficiency Itemperatures Tj and indoor 27/19°C (dry/wet bulb) Declared cooling capacity for part load at given outdoor temperatures Tj and indoor 27/19°C (dry/wet bulb) Tj=+35°C Pdc 40.00 kW Tj=+35°C EERd 2.54 Tj=+30°C Pdc 29.48 kW Tj=+30°C EERd 4.36 Tj=+25°C Pdc 18.95 kW Tj=+25°C EERd 8.21 Tj=+20°C Pdc 7.88 kW Tj=+25°C EERd 13.60 Degradation co-efficient for air Cdc 0.25 Conditioners(*) Power consumption in modes other than "active mode" Off mode Poff 0.005 kW Crankcase heater mode Pck 0.04	
Type: compressor driven Driver of compressor: electric motor Item Symbol Value Unit Item Symbol Value Rated cooling capacity Prated,c 40.00 kW Seasonal space cooling energy efficiency ns.c 263.0 Declared cooling capacity for part load at given outdoor temperatures Tj and indoor 27/19°C (dry/wet bulb) Tj=+35°C Pdc 40.00 kW Tj=+35°C EERd 2.54 Tj=+30°C Pdc 29.48 kW Tj=+30°C EERd 4.36 Tj=+25°C Pdc 18.95 kW Tj=+25°C EERd 8.21 Tj=+20°C Pdc 7.88 kW Tj=+20°C EERd 13.60 Degradation co-efficient for air conditioners(*) Power consumption in modes other than "active mode" Off mode Poff 0.005 kW Crankcase heater mode Pck 0.04	
Driver of compressor: electric motor Item	
Rated cooling capacity Prated,c 40.00 kW Seasonal space cooling energy efficiency The space of th	
Rated cooling capacity Prated,c 40.00 kW Seasonal space cooling energy efficiency ratio or gas utilisation eff /auxiliary energy factor for part load at given outdoor temperatures T _j and indoor 27/19°C (dry/wet bulb) T _j =+35°C P _{dc} 40.00 kW T _j =+35°C EERd 2.54 T _j =+30°C P _{dc} 40.00 kW T _j =+35°C EERd 4.36 T _j =+25°C EERd 4.36 T _j =+25°C EERd 4.36 T _j =+25°C EERd 4.36 T _j =+20°C EERd 8.21 T _j =+20°C EERd 13.60 Degradation co-efficient for air conditioners(*) Power consumption in modes other than "active mode" Off mode POFF 0.005 kW Crankcase heater mode PCK 0.04	
Rated cooling capacity Prated,c 40.00 RW energy efficiency Tis.c 263.0 Declared cooling capacity for part load at given outdoor temperatures Ti and indoor 27/19°C (dry/wet bulb) Declared energy efficiency ratio or gas utilisation eff /auxiliary energy factor for part load at given outdoor temperatures Ti Tj=+35°C Pdc 40.00 kW Tj=+35°C EERd 2.54 Tj=+30°C Pdc 29.48 kW Tj=+30°C EERd 4.36 Tj=+25°C Pdc 18.95 kW Tj=+25°C EERd 8.21 Tj=+20°C Pdc 7.88 kW Tj=+20°C EERd 13.60 Degradation co-efficient for air conditioners(*) Power consumption in modes other than "active mode" Off mode Poff 0.005 kW Crankcase heater mode Pck 0.04	%
Auxiliary energy factor for part load at given outdoor temperatures T _j and indoor 27/19°C (dry/wet bulb)	
Tj=+30°C Pdc 29.48 kW Tj=+30°C EERd 4.36 Tj=+25°C Pdc 18.95 kW Tj=+25°C EERd 8.21 Tj=+20°C Pdc 7.88 kW Tj=+20°C EERd 13.60 Degradation co-efficient for air conditioners(*) Cdc 0.25 conditioners(*) conditioners(*) Power consumption in modes other than "active mode" Off mode Poff 0.005 kW Crankcase heater mode Pck 0.04	
Tj=+25°C Pdc 18.95 kW Tj=+25°C EERd 8.21 Tj=+20°C Pdc 7.88 kW Tj=+20°C EERd 13.60 Degradation co-efficient for air conditioners(*) Cdc 0.25 conditioners(*) Power consumption in modes other than "active mode" Off mode Poff 0.005 kW Crankcase heater mode Pck 0.04	
Tj=+20°C Pdc 7.88 kW Tj=+20°C EERd 13.60 Degradation co-efficient for air conditioners(*) Cdc 0.25 conditioners(*) Power consumption in modes other than "active mode" Off mode Poff 0.005 kW Crankcase heater mode Pck 0.04	
Degradation co-efficient for air conditioners(*) Power consumption in modes other than "active mode" Off mode Poff 0.005 kW Crankcase heater mode PCK 0.04	
Co-efficient for air conditioners(*) Power consumption in modes other than "active mode" Off mode Poff 0.005 kW Crankcase heater mode Pck 0.04	
Co-efficient for air conditioners(*) Power consumption in modes other than "active mode" Off mode Poff 0.005 kW Crankcase heater mode Pck 0.04	
Off mode Poff 0.005 kW Crankcase heater mode Рск 0.04	
	kW
Thermosat-off mode PTO 0.005 kW Standby mode PSB 0.005	kW
Other items	
Capacity control variable For air-to-air air conditioner: air flow rate, outdoor measured 12500	m³/h
Sound power level, outdoor LWA 82 dB	
GWP of the refrigerant 2088 kg CO _{2 eq (100years)}	

Contact details

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Information requirements for heat pumps												
Model(s):KMF-400 DN6 Test matching indoor ur		ssette: 2×K(CIF-45 DN5.0	+ 4×KCIBF-80 DN5.0								
Outdoor side heat exch	anger of air	conditioner:	air									
Indoor side heat exchar	nger of air c	onditioner: a	ir									
If the heater is equipped	d with a sup	plementary	heater: no									
Driver of compressor: e	lectric moto	r										
Parameters shall be de- optional.	clared for th	e average h	eating season	, parameters for the warmer and	colder hea	ating seaso	ons are					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit					
Rated heating capacity	Prated,h	40.00	kW	Seasonal space heating energy efficiency	ηs,h	163.0	%					
Declared heating teperature 20°C				Declared coefficient of pe efficiency/auxiliary energy outdoor ter	factor for	part load a						
Tj=-7°C	Pdh	19.47	kW	Tj=-7°C	COPd	2.51						
Tj=+2°C	Pdh	11.85	kW	Tj=+2°C	COPd	4.19						
Tj=+7°C	Pdh	7.62	kW	Tj=+7°C	COPd	4.98						
Tj=+12°C	Pdh	4.65	kW	Tj=+12°C	COPd	7.31						
T _{biv} =bivalent temperature	Pdh	22.01	kW	T _{biv} =bivalent temperature	COPd	2.52						
ToL=operation temperature	Pdh	22.01	kW	ToL =operation temperature	COPd	2.52						
Bivalent temperature	Tbiv	-10	°C									
Degradation co- efficient for heat pumps(**)	Cdh	0.25										
Power consumption in r	nodes other	than "active	e mode"	Suppleme	ntary heat	er						
Off mode	Poff	0.005	kW	Back-up heating capacity(*)	elbu	0.04	kW					
Thermosat-off mode	Рто	0.005	kW	Type of energy input								
Crankcase heater mode	Рск	0.04	kW	Standby mode	PSB	0.005	kW					
			Othe	r items								
Capacity control		variable		For air-to-air heat pump: air flow rate, outdoor measured		12500	m³/h					
Sound power level,outdoor	Lwa	82	dB									
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)									
Contact details												
(*)												
(**)If Cdh is not determine	ned by meas	surement, th	en the default	degradation coefficient of heat p	umps shal	l be 0.25.						
				result and performance data ma unit(s) recommended by the ma								

Cooling mode:

Info	rmatio	n requi	rements	for air-to-air cond	itioner	'S			
Model(s): KMF-450 DN6 Test matching indoor un		ssette: KCIF	-56 DN5.0 + 4	1×KCIBF-80 DN5.0 + KCIBF-90 [DN5.0				
Outdoor side heat excha	anger of air	conditioner:	air						
Indoor side heat exchar	nger of air co	onditioner: a	ir						
Type: compressor drive	n								
Driver of compressor: e	lectric motor	r							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated cooling capacity	Prated,c	45.00	kW	Seasonal space cooling energy efficiency	ηs,c	267.8	%		
Declared cooling capa temperatures Tj an				Declared energy efficiency ra /auxiliary energy factor fo temper					
Tj=+35°C	Pdc	45.00	kW	Tj=+35°C	EERd	2.82			
Tj=+30°C	Pdc	33.17	kW	Tj=+30°C	EERd	4.47			
Tj=+25°C	Pdc	21.31	kW	Tj=+25°C	EERd	7.91			
Tj=+20°C	Pdc	9.46	kW	Tj=+20°C	EERd	14.20			
Degradation co- efficient for air conditioners(*)	Cdc	0.25							
	F	Power consu	ımption in mo	des other than "active mode"					
Off mode	Poff	0.005	kW	Crankcase heater mode	Pck	0.04	kW		
Thermosat-off mode	Рто	0.005	kW	Standby mode	Psb	0.005	kW		
			Othe	r items					
Capacity control		variable		For air-to-air air conditioner: air flow rate, outdoor measured		18500	m³/h		
Sound power level, outdoor	Lwa	86	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						
Contact details									
(*)If Cdc is not determine	ed by measi	urement, the	n the default	degradation coefficient of heat pu	mps shall	be 0.25.			
				est result and performance data noor unit(s) recommended by the n					

	Infor	mation	require	me	ents for heat pum	ps			
Model(s): KMF-450 DN Test matching indoor ur		ssette: KCIF	-56 DN5.0 +	4×K	CIBF-80 DN5.0 + KCIBF-90 [DN5.0			
Outdoor side heat exch	anger of air	conditioner:	air						
Indoor side heat exchai	nger of air co	onditioner: a	ir						
If the heater is equipped	d with a sup	plementary	neater: no						
Driver of compressor: e	lectric moto	r							
Parameters shall be de optional.	clared for th	e average h	eating seasor	n, pa	rameters for the warmer and	colder hea	iting seaso	ns are	
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated heating capacity	Prated,h	45.00	kW		Seasonal space heating energy efficiency	ηs,h	166.2	%	
Declared heating teperature 20°C					Declared coefficient of pe efficiency/auxiliary energy outdoor ten	factor for	part load a		
Tj=-7°C	Pdh	21.88	kW		Tj=-7°C	COPd	2.68		
Tj=+2°C	Pdh	13.32	kW		Tj=+2°C	COPd	4.29		
Tj=+7°C	Pdh	8.57	kW		Tj=+7°C	COPd	5.13		
Tj=+12°C	Pdh	7.39	kW		Tj=+12°C	COPd	6.96		
T _{biv} =bivalent temperature	Pdh	24.74	kW		T _{biv} =bivalent temperature	COPd	2.08		
ToL=operation temperature	Pdh	24.74	kW		ToL =operation temperature	COPd	2.08		
Bivalent temperature	Tbiv	-10	°C						
Degradation co- efficient for heat pumps(**)	Cdh	0.25							
Power consumption in I	modes other	than "active	e mode"	Supplementary heater					
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0.04	kW	
Thermosat-off mode	Рто	0.005	kW		Type of energy input				
Crankcase heater mode	Рск	0.04	kW		Standby mode	PSB	0.005	kW	
			Othe	er ite	ems				
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		18500	m³/h	
Sound power level,outdoor	Lwa	86	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						
Contact details									
(*)									
(**)If Cdh is not determine	ned by meas	surement, th	en the defaul	t deg	gradation coefficient of heat p	umps shall	be 0.25.		
					ult and performance data may t(s) recommended by the mai				

Cooling mode:

Info	rmatio	n requi	irements	for air-to-air cond	itioner	'S	
Model(s): KMF-500 DNo Test matching indoor un		ssette: 4×K(CIBF-45 DN5.0) + 4×KCIBF-90 DN5.			
Outdoor side heat exch	anger of air	conditioner:	air				
Indoor side heat exchar	nger of air c	onditioner: a	ir				
Type: compressor drive	n						
Driver of compressor: e	lectric moto	r					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	50.00	kW	Seasonal space cooling energy efficiency	ηs,c	255.8	%
Declared cooling capa temperatures Tj an				Declared energy efficiency radius /auxiliary energy factor for temper			
Tj=+35°C	Pdc	50.00	kW	Tj=+35°C	EERd	2.57	
Tj=+30°C	Pdc	37.12	kW	Tj=+30°C	EERd	4.19	
Tj=+25°C	Pdc	23.89	kW	Tj=+25°C	EERd	7.78	
Tj=+20°C	Pdc	10.61	kW	Tj=+20°C	EERd	13.80	
			•				
Degradation co- efficient for air conditioners(*)	Cdc	0.25					
	I	Power consu	umption in mod	des other than "active mode"			
Off mode	Poff	0.005	kW	Crankcase heater mode	Pck	0.04	kW
Thermosat-off mode	Рто	0.005	kW	Standby mode	Psb	0.005	kW
			Othe	r items			
Capacity control		variable		For air-to-air air conditioner: air flow rate, outdoor measured		20000	m³/h
Sound power level, outdoor	Lwa	88	dB				
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				
Contact details							
(*)If Cdc is not determine	ed by meas	urement, the	en the default o	degradation coefficient of heat pu	ımps shall	be 0.25.	
Where information relat	es to multi-s	split air cond	itioners the te	st result and performance data n	nav be obt	ained on th	e basis

	Infor	nation	require	m	ents for heat pum	ps			
Model(s): KMF-500 DN Test matching indoor ur		ssette: 4×K(CIBF-45 DN5.	.0 +	4×KCIBF-90 DN5.				
Outdoor side heat exch	anger of air	conditioner:	air						
Indoor side heat exchar	nger of air co	onditioner: a	ir						
If the heater is equipped	d with a sup	plementary l	neater: no						
Driver of compressor: e	lectric moto	r							
Parameters shall be de optional.	clared for th	e average h	eating seasor	ո, p	arameters for the warmer and	colder hea	ating seaso	ns are	
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated heating capacity	Prated,h	50.00	kW		Seasonal space heating energy efficiency	ηs,h	163.8	%	
Declared heating teperature 20°C					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T _i				
Tj=-7°C	Pdh	26.43	kW		Tj=-7°C	COPd	2.62		
Tj=+2°C	Pdh	16.46	kW		Tj=+2°C	COPd	4.23		
Tj=+7°C	Pdh	9.51	kW		Tj=+7°C	COPd	5.53		
Tj=+12°C	Pdh	7.50	kW		Tj=+12°C	COPd	6.12		
T _{biv} =bivalent temperature	Pdh	27.50	kW		T _{biv} =bivalent temperature	COPd	2.13		
ToL=operation temperature	Pdh	27.50	kW		ToL =operation temperature	COPd	2.13		
Bivalent temperature	Tbiv	-10	°C						
Degradation co- efficient for heat pumps(**)	Cdh	0.25							
Power consumption in r	modes other	than "active	mode"		Suppleme	ntary heate	er		
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0.04	kW	
Thermosat-off mode	Рто	0.005	kW		Type of energy input				
Crankcase heater mode	Рск	0.04	kW		Standby mode	PSB	0.005	kW	
			Othe	er it	ems				
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		20000	m³/h	
Sound power level,outdoor	Lwa	88	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						
Contact details									
(*)									
(**)If Cdh is not determin	ned by meas	surement, th	en the defaul	t de	gradation coefficient of heat p	umps shal	be 0.25.		
					sult and performance data mag sit(s) recommended by the ma				

Cooling mode:

Info	rmatio	n requ	irements	s for air-to-air cond	litione	rs		
Model(s): KMF-560 DN Test matching indoor ur		ssette: 2×K(CIF-45 DN5.0	+ 6×KCIBF-80 DN5.0				
Outdoor side heat exch	anger of air	conditioner	air					
Indoor side heat excha	nger of air c	onditioner: a	nir					
Type: compressor drive	n							
Driver of compressor: e	lectric moto	r						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated cooling capacity	Prated,c	56.00	kW	Seasonal space cooling energy efficiency	ηs,c	249.0	%	
Declared cooling capacity for part load at given outdoor temperatures T _j and indoor 27/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T _j				
Tj=+35°C	Pdc	56.00	kW	Tj=+35°C	EERd	2.45		
Tj=+30°C	Pdc	40.04	kW	Tj=+30°C	EERd	4.10		
Tj=+25°C	Pdc	25.74	kW	Tj=+25°C	EERd	7.64		
T _j =+20°C	Pdc	12.26	kW	Tj=+20°C	EERd	13.60		
Degradation co- efficient for air conditioners(*)	Cdc							
		Power cons	umption in mo	des other than "active mode"				
Off mode	Poff	0.005	kW	Crankcase heater mode	Рск	0.04	kW	
Thermosat-off mode	Рто	0.005	kW	Standby mode	PsB	0.005	kW	
			Othe	er items				
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured		18500	m³/h	
Sound power level, outdoor	Lwa	89	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)		,			
Contact details								

Contact details

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps Model(s): KMF-560 DN6 Test matching indoor units form, cassette: 2×KCIF-45 DN5.0 + 6×KCIBF-80 DN5.0 Outdoor side heat exchanger of air conditioner: air Indoor side heat exchanger of air conditioner: air If the heater is equipped with a supplementary heater: no Driver of compressor: electric motor Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional. Symbol Value Unit Symbol Value Item Item Seasonal space heating % Rated heating capacity 56.00 kW 159.8 Prated,h Ns.h energy efficiency Declared coefficient of performance or gas utilisation Declared heating capacity for part load at indoor efficiency/auxiliary energy factor for part load at given teperature 20°C and outdoor temperatures Ti outdoor temperatures Tj Ti=-7°C Ti=-7°C Pdh 30.51 COPd 2.57 T_i=+2°C Pdh 18.58 kW T_i=+2°C COPd 3.59 T_i=+7°C Pdh 12.42 kW T_i=+7°C COPd 6.36 __ Ti=+12°C 10.38 T_i=+12°C Pdh kW COPd 8.31 --T_{biv}=bivalent Pdh30.80 kW Tbiv =bivalent temperature COPd 2.03 temperature To_L=operation Pdh30.80 kW Tol =operation temperature COPd 2.03 temperature Bivalent temperature -10 °C Tbiv Degradation coefficient for heat 0.25 Cdh pumps(**) Power consumption in modes other than "active mode" Supplementary heater Off mode Poff 0.005 Back-up heating capacity(*) elbu 0.04 kW Рто Thermosat-off mode 0.005 kW Type of energy input Crankcase heater mode Рск 0.04 kW Standby mode 0.005 kW PsB Other items For air-to-air heat pump: air 18500 m³/h Capacity control variable flow rate, outdoor measured Sound power 89 dB I wa level,outdoor kg CO2 eq GWP of the refrigerant 2088 (100years) Contact details (**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25. Where information relates to multi-split heat pumps, xthe test result and performance data may be obtained on the basis of

performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

Cooling mode:

Info	rmatio	n requi	irement	s 1	for air-to-air cond	itioneı	'S		
Model(s):KMF-615 DN6 Test matching indoor un	,	ssette: 8×K0	CIBF-80 DN5	.0					
Outdoor side heat excha	anger of air	conditioner:	air						
Indoor side heat exchar	nger of air c	onditioner: a	ir						
Type: compressor drive	n								
Driver of compressor: e	lectric moto	r							
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated cooling capacity	Prated,c	61.50	kW		Seasonal space cooling energy efficiency	ηs,c	243.0	%	
Declared cooling capacity for part load at given outdoor temperatures T _j and indoor 27/19°C (dry/wet bulb)					Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T _j				
Tj=+35°C	Pdc	61.50	kW		Tj=+35°C	EERd	2.00		
Tj=+30°C	Pdc	43.96	kW		Tj=+30°C	EERd	4.24		
Tj=+25°C	Pdc	28.27	kW		Tj=+25°C	EERd	7.60		
Tj=+20°C	Pdc	12.57	kW		Tj=+20°C	EERd	13.13		
Degradation co- efficient for air conditioners(*)	Cdc	0.25							
		Power consu	umption in mo	odes	s other than "active mode"				
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.04	kW	
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW	
			Oth	er it	ems				
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured		19000	m³/h	
Sound power level, outdoor	Lwa	89	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						

Contact details

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

	Inforr	mation	requirer	ne	ents for heat pum	ps			
Model(s): KMF-615 DNe Test matching indoor ur		ssette: 8×K(CIBF-80 DN5.	0					
Outdoor side heat exch	anger of air	conditioner:	air						
Indoor side heat exchar	nger of air co	onditioner: a	ir						
If the heater is equipped	d with a sup	plementary l	neater: no						
Driver of compressor: e	lectric motor	r							
Parameters shall be de optional.	clared for th	e average h	eating seasor	1, p	arameters for the warmer and	colder hea	ating seaso	ns are	
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated heating capacity	Prated,h	61.50	kW		Seasonal space heating energy efficiency	ηs,h	157.0	%	
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T _j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj				
Tj=-7°C	Pdh	32.36	kW		Tj=-7°C	COPd	255		
Tj=+2°C	Pdh	19.70	kW		Tj=+2°C	COPd	346		
Tj=+7°C	Pdh	12.67	kW		Tj=+7°C	COPd	631		
Tj=+12°C	Pdh	10.84	kW		Tj=+12°C	COPd	899		
Тыv=bivalent temperature	Pdh	36.60	kW		T _{biv} =bivalent temperature	COPd	204		
ToL=operation temperature	Pdh	36.60	kW		ToL =operation temperature	COPd	204		
Bivalent temperature	Tbiv	-10	°C						
Degradation co- efficient for heat pumps(**)	Cdh	0.25							
Power consumption in r	modes other than "active mode"				Supplementary heater				
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0.04	kW	
Thermosat-off mode	Рто	0.005	kW		Type of energy input				
Crankcase heater mode	Рск	0.04	kW		Standby mode	PsB	0.005	kW	
			Othe	er it	ems				
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured		19000	m³/h	
Sound power level,outdoor	Lwa	89	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						
Contact details									
(*)									
(**)If Cdh is not determin	ned by meas	surement, th	en the default	t de	gradation coefficient of heat p	umps shal	be 0.25.		
					sult and performance data ma it(s) recommended by the ma				