Model(s):K3F 335 DN3S Test matching indoor un		Duct: 6×MI2	2-56T2DN1-R; test match	ing indoor units form 2, non-duct: 6×MI	2-56Q4DN1-G;		
Outdoor side heat excha	nger of air c	conditioner:a	ir				
Indoor side heat exchang	ger of air co	nditioner:air					
Type:compressor driven							
If applicable:driver of con	npressor:ele	ectric motor					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	P <sub>rated,c</sub>	33.5	kW	Seasonal space cooling energy efficiency	$\eta_{\text{s,c}}$	183.0	%
Declared cooling capaci T <sub>j</sub> and in		ad at given C (dry/wet l		Declared energy efficiency rat energy factor for part load			
Tj=+35℃	P <sub>dc</sub>	33.5	kW	Tj=+35℃	EERd	2.52	
T <sub>j</sub> =+30℃	P <sub>dc</sub>	23.445	kW	Tj=+30℃	EER <sub>d</sub>	3.82	
T <sub>j</sub> =+25℃	P <sub>dc</sub>	14.549	kW	Tj=+25℃	EERd	5.63	
Tj=+20℃	P <sub>dc</sub>	7.044	kW	Tj=+20℃	EERd	7.95	
Degradation co-efficient for air conditioners(*)	C <sub>dc</sub>	0.25	_				
		I	Power consumption in mo	des other than "active mode"			
Off mode	POFF	0.0812	kW	Crankcase heater mode	P <sub>CK</sub>	0.0812	kW
Thermosat-off mode	P <sub>TO</sub>	0	kW	Standby mode	P <sub>SB</sub>	0.0812	kW
			Oth	er items		<del>, ,</del>	
Capacity control		varia	ble	For air-to-air air conditioner:air flow rate,outdoor measured	-	13000	m³/h
Sound power level,outdoor	L <sub>WA</sub>	84	dB				
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)				
Contact details	I		· · · · ·	I			
	d by measur	rement then	the default degradation of	oefficient of heat pumps shall be 0.25			

## Heating mode:

Rated heating capacity       Prated,h       37.5       KW       Seasonal space heating energy efficiency       n,h       133         Declared heating capacity for part load at indoor teperatures 0°C and outdoor temperatures Tj       Declared coefficient of performance or gas utili efficiency/auxiliary energy factor for part load at give temperatures Tj         Tj=-7°C       Pdh       17.594       KW       Tj=-7°C       COPd       2.4         Tj=+2°C       Pdh       10.748       KW       Tj=+2°C       COPd       3.7         Tj=+7°C       Pdh       10.748       KW       Tj=+7°C       COPd       3.7         Tj=+2°C       Pdh       10.748       KW       Tj=+7°C       COPd       3.7         Tj=+12°C       Pdh       7.350       KW       Tj=+7°C       COPd       4.4         Tj=+12°C       Pdh       7.040       KW       Tj=+12°C       COPd       5.7         T <sub>bw</sub> =bivalent       Pdh       17.594       KW       Tbw =bivalent temperature       COPd       2.4         T <sub>bw</sub> =bivalent       Pdh       17.594       KW       Tbw =bivalent temperature       COPd       2.4         T <sub>bw</sub> =bivalent       Pdh       20.200       KW       ToL =operation temperature       COPd       2.4	4 % sation 9 9 2 4	ymbol         Value           ηs,h         133.4           nance or gas utilisation r part load at given out es Tj           OPd         2.49           OPd         3.19           OPd         4.42	Symbol g n <sub>s,h</sub> ficient of performance or g energy factor for part load temperatures T <sub>j</sub> COP <sub>d</sub>	Item Seasonal space heating energy efficiency Declared coefficient o efficiency/auxiliary energy tem	ng season,parameters for Unit kW	nditioner:air h a supplemen ectric motor average heatii Value 37.5	er of air cor quipped wit npressor:ele ared for the Symbol	Indoor side heat exchang Idication if the heater is e If applicable:driver of con Parameters shall be decl
A supplementary heater:no         if applicable:driver of compressor:electric motor         Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional         Item       Symbol       Value       Unit       Item       Symbol       Value         Rated heating capacity       Prated.h       37.5       kW       Seasonal space heating energy efficiency       ns.h       133         Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures Tj       Declared coefficient of performance or gas util efficiency/auxiliary energy factor for part load at give temperatures Tj         Tj=-7°C       Pdn       17.594       KW       Tj=-7°C       COPd       2.4         Tj=+2°C       Pdn       10.748       kW       Tj=+2°C       COPd       3.3         Tj=+12°C       Pdn       7.350       kW       Tj=+12°C       COPd       4.4         Tj=+12°C       Pdn       7.040       KW       Tj=+12°C       COPd       2.4         Tok=operation       Pdn       17.594       KW       Tbiv = bivalent temperature       COPd       2.4         Declared coefficient       Pdn       17.594       KW       Tj=+12°C       COPd       2.4         Declared t	4 % sation 9 9 2 4	ymbol         Value           ηs,h         133.4           nance or gas utilisation r part load at given out es Tj           OPd         2.49           OPd         3.19           OPd         4.42	Symbol g n <sub>s,h</sub> ficient of performance or g energy factor for part load temperatures T <sub>j</sub> COP <sub>d</sub>	Item Seasonal space heating energy efficiency Declared coefficient o efficiency/auxiliary energy tem	ng season,parameters for Unit kW	h a supplemen actric motor average heatii Value 37.5	quipped wit apressor:ele ared for the Symbol	ldication if the heater is e If applicable:driver of con Parameters shall be decl
If applicable:driver of compressor.electric motor         Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional         Item       Symbol       Value       Unit       Item       Symbol       Value         Rated heating capacity       Prated.h       37.5       KW       Seasonal space heating energy efficiency       ns.h       133         Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures Tj       Declared coefficient of performance or gas utili efficiency/auxiliary energy factor for part load at give temperatures Tj         Tj=-7°C       Pdn       17.594       KW       Tj=-7°C       COPd       2.4         Tj=+2°C       Pdn       10.748       KW       Tj=+7°C       COPd       3.3         Tj=+7°C       Pdn       7.350       KW       Tj=+7°C       COPd       3.4         Tj=+12°C       Pdn       7.040       KW       Tj=+12°C       COPd       5.3         Top-eperation       Pdn       2.0,200       KW       Top-eperation temperature       COPd       2.4         Declared temperature       Tbiv       -7       °C       COPd       2.4       2.4         Tj=+2°C       Pdn       17.594       KW       Tj=+12°C       COPd	4 % sation 9 9 2 4	ymbol         Value           ηs,h         133.4           nance or gas utilisation r part load at given out es Tj           OPd         2.49           OPd         3.19           OPd         4.42	Symbol g n <sub>s,h</sub> ficient of performance or g energy factor for part load temperatures T <sub>j</sub> COP <sub>d</sub>	Item Seasonal space heating energy efficiency Declared coefficient o efficiency/auxiliary energy tem	ng season,parameters for Unit kW	ectric motor average heatin Value 37.5	ared for the Symbol	If applicable:driver of com Parameters shall be decla
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optionalItemSymbolValueUnitItemSymbolValueRated heating capacity $P_{rated,h}$ 37.5kWSeasonal space heating energy efficiency $\eta_{S,h}$ 133Declared heating capacity for part load at indoor temperature $20^{\circ}$ and outdoor temperatures $T_j$ Declared coefficient of performance or gas utili efficiency/auxiliary energy factor for part load at give temperatures $T_j$ $T_j=-7^{\circ}$ $P_{dh}$ 17.594kW $T_j=-7^{\circ}$ $COP_d$ 2.4 $T_j=+7^{\circ}$ $P_{dh}$ 10.748kW $T_j=+7^{\circ}$ $COP_d$ 3.7 $T_j=+7^{\circ}$ $P_{dh}$ 7.350kW $T_j=+7^{\circ}$ $COP_d$ 4.4 $T_j=+12^{\circ}$ $P_{dh}$ 7.040kW $T_j=+12^{\circ}$ $COP_d$ 5.1 $T_{bw}=bivalent$ $P_{dh}$ 17.594kW $T_{bi}=-bivalent$ temperature $COP_d$ 2.4 $T_{bw}=bivalent$ $P_{dh}$ 7.040kW $T_{bi}=-bivalent$ temperature $COP_d$ 2.4 $T_{bw}=bivalent$ $P_{dh}$ 20.200kW $T_{biv}=bivalent$ temperature $COP_d$ 2.4Degradation co-efficient $C_{dh}$ 0.25 $ COP_d$ 2.4Degradation co-efficient $C_{dh}$ 0.25 $ COP_d$ $COP_d$ 2.4Degradation co-efficient $C_{dh}$ 0.25 $ COP_d$ $COP_d$ $COP_d$ $COP_d$ <tr <tr="">Degradation co-e</tr>	4 % sation 9 9 2 4	ymbol         Value           ηs,h         133.4           nance or gas utilisation r part load at given out es Tj           OPd         2.49           OPd         3.19           OPd         4.42	Symbol g n <sub>s,h</sub> ficient of performance or g energy factor for part load temperatures T <sub>j</sub> COP <sub>d</sub>	Item Seasonal space heating energy efficiency Declared coefficient o efficiency/auxiliary energy tem	Unit	average heati     Value     37.5	ared for the Symbol	Parameters shall be decla
Item       Symbol       Value       Unit       Item       Symbol       Value         Rated heating capacity       Prated.h       37.5       kW       Seasonal space heating energy efficiency       n.s.h       133         Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures Tj       Declared coefficient of performance or gas util efficiency/auxiliary energy factor for part load at give temperatures Tj         Tj=-7°C       Pdh       17.594       kW       Tj=-7°C       COPd       2.4         Tj=+2°C       Pdh       10.748       kW       Tj=+2°C       COPd       3.3         Tj=+12°C       Pdh       7.350       kW       Tj=+12°C       COPd       4.4         Tj=+12°C       Pdh       7.040       kW       Tj=+12°C       COPd       5.3         Tow-endure       Pdh       17.594       kW       Tow endure       COPd       2.4         Tj=+12°C       Pdh       7.040       kW       Tj=+12°C       COPd       2.4         Tow-endure       Pdh       17.594       kW       Tow endure       COPd       2.4         Tow-endure       Pdh       17.594       kW       Tow endure       COPd       2.4         Degradation co-efficient for heat pumps(**) <th>4 % sation 9 9 2 4</th> <th>ymbol         Value           ηs,h         133.4           nance or gas utilisation r part load at given out es Tj           OPd         2.49           OPd         3.19           OPd         4.42</th> <th>Symbol g n<sub>s,h</sub> ficient of performance or g energy factor for part load temperatures T<sub>j</sub> COP<sub>d</sub></th> <th>Item Seasonal space heating energy efficiency Declared coefficient o efficiency/auxiliary energy tem</th> <th>Unit</th> <th>Value 37.5</th> <th>Symbol</th> <th></th>	4 % sation 9 9 2 4	ymbol         Value           ηs,h         133.4           nance or gas utilisation r part load at given out es Tj           OPd         2.49           OPd         3.19           OPd         4.42	Symbol g n <sub>s,h</sub> ficient of performance or g energy factor for part load temperatures T <sub>j</sub> COP <sub>d</sub>	Item Seasonal space heating energy efficiency Declared coefficient o efficiency/auxiliary energy tem	Unit	Value 37.5	Symbol	
Rated heating capacity       Prated.h       37.5       KW       Seasonal space heating energy efficiency       n.s.h       133         Declared heating capacity for part load at indoor temperatures T <sub>j</sub> Declared coefficient of performance or gas utili efficiency/auxiliary energy factor for part load at give temperatures T <sub>j</sub> Declared coefficient of performance or gas utili efficiency/auxiliary energy factor for part load at give temperatures T <sub>j</sub> T <sub>j</sub> =-7°C       Pdh       17.594       KW       T <sub>j</sub> =-7°C       COPd       2.4         T <sub>j</sub> =+2°C       Pdh       10.748       KW       T <sub>j</sub> =+2°C       COPd       3.7         T <sub>j</sub> =+7°C       Pdh       7.350       KW       T <sub>j</sub> =+7°C       COPd       4.4         T <sub>j</sub> =+12°C       Pdh       7.040       KW       T <sub>j</sub> =+12°C       COPd       5.1         T <sub>bw</sub> =bivalent temperature       Pdh       17.594       KW       T <sub>j</sub> =+12°C       COPd       5.1         T <sub>bw</sub> =bivalent temperature       Pdh       17.594       KW       T <sub>j</sub> =+12°C       COPd       2.4         Bivalent temperature       Pdh       17.594       KW       T <sub>j</sub> =+12°C       COPd       2.4         Degradation co-efficient for heat pumps(**)       Pdh       0.25       -            Degradation co-effici	9 9 2 4	η s,h         133.4           nance or gas utilisation r part load at given out as Tj	g Ŋ <sub>s,h</sub> icient of performance or g energy factor for part load temperatures T <sub>j</sub> COP <sub>d</sub>	energy efficiency Declared coefficient o efficiency/auxiliary energy terr			P <sub>rated,h</sub>	
Declared heating capacity for part load at indeor teperature 20 C and outdoor temperatures $T_j$ efficiency/auxiliary energy factor for part load at give temperatures $T_j$ $T_j=-7^{\circ}C$ Pdh       17.594       KW $T_j=-7^{\circ}C$ COPd       2.4 $T_j=+2^{\circ}C$ Pdh       10.748       KW $T_j=+2^{\circ}C$ COPd       3.3 $T_j=+7^{\circ}C$ Pdh       7.350       KW $T_j=+7^{\circ}C$ COPd       4.4 $T_j=+12^{\circ}C$ Pdh       7.040       KW $T_j=+12^{\circ}C$ COPd       5.3 $T_{bw}=bivalent$ Pdh       17.594       KW $T_j=+12^{\circ}C$ COPd       5.3 $T_{bw}=bivalent$ Pdh       17.594       KW $T_{j=+12^{\circ}C}$ COPd       5.3 $T_{bw}=bivalent$ Pdh       17.594       KW $T_{bw}=bivalent$ temperature       COPd       2.4 $T_{0L}=operation$ Pdh       20.200       KW $T_{0L}=operation$ temperature       COPd       2.4         Bivalent temperature $T_{biv}$ -7 $^{\circ}C$ 1       1       1         Degradation co-efficient for heat pumps(**) $C_{dh}$ $0.25$ $-$ 1       1       1	9 9 2 2	rr part load at given out es Tj OPd 2.49 OPd 3.19 OPd 4.42	energy factor for part load temperatures T <sub>j</sub> COP <sub>d</sub>	efficiency/auxiliary energy tem	eperature 20℃ and			Rated heating capacity
T = +2°C       P dh       10.748       KW       T = +2°C       COP d       3.         T = +7°C       P dh       7.350       KW       T = +7°C       COP d       4.4         T = +12°C       P dh       7.040       KW       T = +12°C       COP d       5.         T = +12°C       P dh       7.040       KW       T = +12°C       COP d       5.         T = +12°C       P dh       17.594       KW       T = +12°C       COP d       5.         T = +12°C       P dh       17.594       KW       T = +12°C       COP d       5.         T = +12°C       P dh       17.594       KW       T = +12°C       COP d       2.         Bivalent temperature       P dh       20.200       KW       T = +12°C       COP d       2.         Bivalent temperature       T = +12°C       COP d       2.       -7       °C       -7       0       2         Degradation co-efficient for heat pumps(**)       C = 0       0.25       -7       °C       -7       Supplementary heater         Power consumption in modes other than "active mode"       Supplementary heater       Supplementary heater	9 2 4	OP <sub>d</sub> 3.19 OP <sub>d</sub> 4.42		Ti=-2℃				
T = +7°CPdh7.350KWT = +7°CCOPd4.4T = +12°CPdh7.040KWT = +12°CCOPd5.1T = +12°CPdh7.040KWT = +12°CCOPd5.1T = +12°CPdh17.594KWT = +12°CCOPd2.4T = +12°CPdh17.594KWT = +12°CCOPd2.4T = +12°CPdh20.200KWT = +12°CCOPd2.4T = +12°CPdh20.200KWT = +12°CCOPd2.4Bivalent temperatureP = +12°C-7°CBivalent temperatureT = +12°C-7°CDegradation co-efficient for heat pumps(**)C = +12°CPower consumption in modes other than "active mode"Supplementary heater	2	OP <sub>d</sub> 4.42	COPd	,	kW	17.594	P <sub>dh</sub>	Tj=-7℃
JDescriptionFloorJDescriptionTj=+12°CPdh7.040KWTj=+12°C $COP_d$ 5.1Tw-bivalent temperaturePdh17.594KWTbiv=bivalent temperature $COP_d$ 2.4ToL=operation temperaturePdh20.200KWToL=operation temperature $COP_d$ 2.4Bivalent temperatureTbiv-7°CDegradation co-efficient for heat pumps(**)Cdh0.25-Power consumption in modes other than "active mode"Supplementary heater	4	-		Tj=+2℃	kW	10.748	P <sub>dh</sub>	Tj=+2℃
TowMarkMa		OP <sub>d</sub> 5.74	COPd	Tj=+7℃	kW	7.350	P <sub>dh</sub>	Tj=+7℃
temperature       Pdh       17.594       KW       Tok = Divalent temperature       COPd       24 $T_{OL}$ =operation temperature       Pdh       20.200       kW $T_{OL}$ =operation temperature       COPd       2.1         Bivalent temperature $T_{Div}$ -7       °C             Degradation co-efficient for heat pumps(**) $C_{dh}$ $0.25$ $$ Power consumption in modes other than "active mode"       Supplementary heater	9		COPd	Tj=+12℃	kW	7.040	P <sub>dh</sub>	Tj=+12℃
temperature     Pdh     20.200     KW     ToL =operation temperature     COPd     2.       Bivalent temperature     T <sub>biv</sub> -7     °C     Image: CoPd     2.       Degradation co-efficient for heat pumps(**)     C <sub>dh</sub> 0.25     —     Image: CoPd     2.       Power consumption in modes other than "active mode"     Supplementary heater		OP <sub>d</sub> 2.49	ure COP <sub>d</sub>	T <sub>biv</sub> =bivalent temperature	kW	17.594	P <sub>dh</sub>	
Degradation co-efficient for heat pumps(**)     C <sub>dh</sub> 0.25     —       Power consumption in modes other than "active mode"     Supplementary heater	0	OP <sub>d</sub> 2.10	ature COP <sub>d</sub>	T <sub>OL</sub> =operation temperature	kW	20.200	P <sub>dh</sub>	
for heat pumps(**)     Cdh     0.25       Power consumption in modes other than "active mode"     Supplementary heater					°C	-7	T <sub>biv</sub>	Bivalent temperature
					-	0.25	C <sub>dh</sub>	
Off mode P <sub>OFF</sub> 0.0812 kW Back-up heating capacity(*) elbu 0		y heater	Supplementary heater	Supple	de"	han "active mo	odes other t	Power consumption in me
	kW	elbu 0	ity(*) elbu	Back-up heating capacity(*)	kW	0.0812	POFF	Off mode
Thermosat-off mode PTO 0.0812 kW Type of energy input	I	1		Type of energy input	kW	0.0812	P <sub>TO</sub>	Thermosat-off mode
Crankcase heater mode P <sub>CK</sub> 0.1452 kW Standby mode P <sub>SB</sub> 0.0	812 kW	P <sub>SB</sub> 0.0812	P <sub>SB</sub>	Standby mode	kW	0.1452	Р <sub>СК</sub>	Crankcase heater mode
Other items				items	Other	·		
Capacity control variable For air-to-air heat pump:air flow rate,outdoor measured 130	00 m <sup>3</sup> /	- 13000			e	variabl		Capacity control
Sound power level,outdoor LWA 84 dB					dB	84	L <sub>WA</sub>	
GWP of the refrigerant 2088 kg CO <sub>2 eq</sub> (100years)					kg CO <sub>2 eq</sub> (100years)	2088		GWP of the refrigerant
Contact details								Contact details
(*)								(*)

