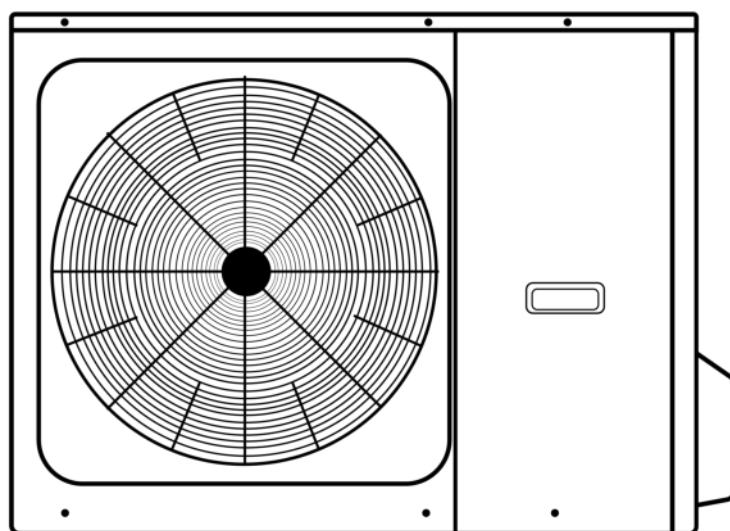




AEROTERMIA BIBLOCK R32 **Unidad exterior**

R32 SPLIT HEAT PUMP Outdoor unit
POMPE DE CHALEUR R32 Unité extérieure
BOMBA DE CALOR R32 Unidade exterior



SERIE AURUM R32 BM

MANUAL
DE DATOS TÉCNICOS
TECHNICAL DATA MANUAL
MANUEL DE DONNÉES
TECHNIQUES
MANUAL DE DADOS TÉCNICOS



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Ficha de producto

Reglamento sobre etiquetado energético: (UE)811/2013
Reglamento sobre diseño ecológico: (UE)813/2013

Calentador combinado con bomba de calor		Exterior	AURUM4VA AURUM4-10D190	AURUM4VA AURUM4-10D240	AURUM6VA AURUM4-10D190	AURUM6VA AURUM4-10D240	AURUM8VA AURUM4-10D190	AURUM8VA AURUM4-10D240	AURUM10VA AURUM4-10D190
Potencia sonora de la unidad Interior(*)		Interior							
Potencia sonora de la unidad exterior(*)			38	38	38	38	40	40	40
			56	56	58	58	59	59	60
Calentamiento de agua	Perfil de carga declarado	-	L	XL	L	XL	L	XL	L
	Clase de eficiencia energética	-	A+	A+	A+	A+	A+	A+	A+
	Clase de eficiencia energética a 55°C (Alta temp.)	-	A++	A++	A++	A++	A++	A++	A++
Clima medio									
Calentamiento de agua	Eficiencia energética de calentamiento de agua (η_{wH})	[%]	127	136	127	136	125	137	125
	Consumo eléctrico anual (AEC)	[kWh]	801	1229	801	1229	820	1218	820
	P_{rated} (capac. calefacción declarada)@-10°C	[kW]	4.4	4.4	5.7	5.7	6.6	6.6	7.7
Calefacción de espacios	Eficiencia estacional de calef. de espacios (η_s)	[%]	129.5	129.5	137.9	137.9	131.5	131.5	136.6
	Consumo de energía anual	[kWh]	2744	2744	3345	3345	4056	4056	4539
	Función de funcionamiento fuera de horas punta integrada en la bomba de calor	S/N	S	S	S	S	S	S	S
Clima frío									
Calentamiento de agua	Eficiencia energética de calentamiento de agua (η_{wH})	[%]	102	107	102	107	107	111	107
	Consumo de energía anual	[kWh]	998	1561	998	1561	950	1508	950
	P_{rated} (capac. calefacción declarada)@-22°C	[kW]	3.36	3.36	4.26	4.26	5.77	5.77	6.71
Calefacción de espacios	Eficiencia estacional de calef. de espacios (η_s)	[%]	102.1	102.1	111.1	111.1	112.0	112.0	116.4
	Consumo de energía anual	[kWh]	3159	3159	3681	3681	4950	4950	5540
Clima cálido									
Calentamiento de agua	Eficiencia energética de calentamiento de agua (η_{wH})	[%]	157	174	157	174	151	171	151
	Consumo de energía anual	[kWh]	649	963	649	963	675	977	675
	P_{rated} (capac. calefacción declarada)@2°C	[kW]	5.01	5.01	5.14	5.14	8.37	8.37	8.63
Calefacción de espacios	Eficiencia estacional de calef. de espacios (η_s)	[%]	162.4	162.4	164.7	164.7	176.9	176.9	180.3
	Consumo de energía anual	[kWh]	1621	1621	1640	1640	2485	2485	2516
Datos técnicos de Ecodiseño									
Descripción del producto	Bomba de calor aire-agua	S/N	S	S	S	S	S	S	S
	Bomba de calor agua-agua	S/N	N	N	N	N	N	N	N
	Bomba de calor salmuera-agua	S/N	N	N	N	N	N	N	N
	Bomba de calor baja temperatura	S/N	N	N	N	N	N	N	N
	Equipada con resistencia auxiliar	S/N	S	S	S	S	S	S	S
	Combinación bomba de calor-calentador	S/N	S	S	S	S	S	S	S
Unidad aire-agua	Caudal de aire nominal (exterior)	[m³/h]	2770	2770	2770	2770	4030	4030	4030
Unidad salmuera/agua-agua	Caudal agua/salmuera nominal (exterior H/E)	[m³/h]	-	-	-	-	-	-	-

Calentador combinado con bomba de calor											
	Exterior	AURUM10VA	AURUM12VA	AURUM12YA	AURUM14VA	AURUM12YA	AURUM16VA	AURUM16YA			
	Interior	AURUM4-10D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240			
Potencia sonora de la unidad interior(*)	dB	40	42	42	44	44	44	44			
Potencia sonora de la unidad exterior(*)	dB	60	64	64	65	65	68	68			
Calentamiento de agua	-	XL	XL	XL	XL	XL	XL	XL			
Calentamiento de agua	-	A+	A+	A+	A+	A+	A+	A+			
Calificación de espacios	-	A++	A++	A++	A++	A++	A++	A++			
Clima medio											
Calentamiento de agua	Eficiencia energética de calentamiento de agua (η_{wH})	137	123	123	123	123	123	123			
	Consumo eléctrico anual (AEC)	1218	1360	1360	1360	1360	1360	1360			
Calificación de espacios	P_{rated} (capac. calefacción declarada)@-10°C	7.7	11.6	11.6	12.1	12.1	13.0	13.0			
	Eficiencia estacional de calef. de espacios (η_h)	136.6	135.1	135.1	135.6	135.6	133.3	133.2			
	Consumo de energía anual	4539	6927	6928	7202	7203	7895	7896			
Función de funcionamiento fuera de horas punta integrada en la bomba de calor	S/N	S	S	S	S	S	S	S			
Clima frío											
Calentamiento de agua	Eficiencia energética de calentamiento de agua (η_{wH})	111	92	92	92	92	92	92			
	Consumo de energía anual	1508	1822	1822	1822	1822	1822	1822			
Calificación de espacios	P_{rated} (capac. calefacción declarada)@-22°C	6.71	10.31	10.3	10.96	11	11.8	11.8			
	Eficiencia estacional de calef. de espacios (η_h)	116.4	117.8	117.7	118.9	118.9	121.8	121.8			
	Consumo de energía anual	5540	8419	8420	8866	8867	9309	9310			
Clima cálido											
Calentamiento de agua	Eficiencia energética de calentamiento de agua (η_{wH})	171	153	153	153	153	153	153			
	Consumo de energía anual	977	1088	1088	1088	1088	1088	1088			
Calificación de espacios	P_{rated} (capac. calefacción declarada)@2°C	8.63	12.5	12.5	14.17	14.17	14.17	14.17			
	Eficiencia estacional de calef. de espacios (η_h)	180.3	174.0	173.8	174.9	174.7	176.0	175.8			
	Consumo de energía anual	2516	3776	3780	4258	4262	4231	4236			
Datos técnicos de Ecodiseño											
Descripción del producto	Bomba de calor aire-agua	S	S	S	S	S	S	S			
	Bomba de calor agua-agua	N	N	N	N	N	N	N			
	Bomba de calor salmuera-agua	N	N	N	N	N	N	N			
	Bomba de calor baja temperatura	N	N	N	N	N	N	N			
	Equipada con resistencia auxiliar	S	S	S	S	S	S	S			
	Combinación bomba de calor-calentador	S	S	S	S	S	S	S			
Unidad aire-agua	Caudal de aire nominal (exterior)	4030	4060	4060	4060	4060	4650	4650			
Unidad salmuera/agua-agua	Caudal agua/salmuera nominal (exterior H/E)	-	-	-	-	-	-	-			

Calentador combinado con bomba de calor		Exterior	AURUM4VA	AURUM4VA	AURUM6VA	AURUM6VA	AURUM8VA	AURUM8VA	AURUM10VA
		Interior	AURUM4-10D190	AURUM4-10D240	AURUM4-10D190	AURUM4-10D240	AURUM4-10D190	AURUM4-10D240	AURUM4-10D190
Otros	Capacidad de control	-	Sí	Sí	Sí	Sí	Sí	Sí	Sí
	P _{eff} (Consumo en modo OFF)	[kW]	0.014	0.014	0.014	0.014	0.014	0.014	0.014
	P _b (Consumo en modo temostato apagado)	[kW]	0.024	0.024	0.024	0.024	0.024	0.024	0.024
	P _{sb} (Consumo en modo Standby)	[kW]	0.014	0.014	0.014	0.014	0.014	0.014	0.014
	P _{CK} (Modelo calentador de cárter eléctrico)	[kW]	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Q _{elec} (Consumo eléctrico diario)	[kWh]	3.66	5.71	3.66	5.71	3.78	5.67	3.78
	Q _{fuel} (Consumo combustible diario)	[kWh]	-	-	-	-	-	-	-
Condiciones de carga parcial para calefacción de espacios en clima medio									
Condición (A) (-7°C)	P _{ah} (Capacidad de calefac. declarada)	[kW]	3.89	3.89	5.04	5.04	5.84	5.84	6.78
	COP _d (COP declarado)	-	2.17	2.17	2.17	2.17	2.16	2.16	2.24
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Condición (B) (2°C)	P _{ah} (Capacidad de calefac. declarada)	[kW]	2.38	2.38	3.12	3.12	3.76	3.76	4.28
	COP _d (COP declarado)	-	3.30	3.30	3.51	3.51	3.30	3.30	3.42
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Condición (C) (7°C)	P _{ah} (Capacidad de calefac. declarada)	[kW]	2.94	2.94	2.08	2.08	2.43	2.43	2.77
	COP _d (COP declarado)	-	4.41	4.41	4.54	4.54	4.34	4.34	4.52
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Condición (D) (12°C)	P _{ah} (Capacidad de calefac. declarada)	[kW]	1.32	1.32	1.28	1.28	1.39	1.39	1.58
	COP _d (COP declarado)	-	5.66	5.66	5.59	5.59	5.33	5.33	5.68
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(E) Tol (Temperatura límite de funcionamiento)	Tol (Límite de temperatura de func.)	[°C]	-10	-10	-10	-10	-10	-10	-10
	P _{ah} (Capacidad de calefac. declarada)	[kW]	3.42	3.42	4.52	4.52	4.91	4.91	5.38
	COP _d (COP declarado)	-	1.91	1.91	1.91	1.91	1.84	1.84	1.83
(F) Temperatura T _{bivalente}	WTOL (Límite de func. de calefac. agua)	[°C]	65	65	65	65	65	65	65
	T _{bw}	[°C]	-7	-7	-7	-7	-7	-7	-7
	P _{ah} (Capacidad de calefac. declarada)	[kW]	3.89	3.89	5.04	5.04	5.84	5.84	6.78
Capacidad del calentador auxiliar integrado en la unidad	COP _d (COP declarado)	-	2.17	2.17	2.17	2.17	2.16	2.16	2.24
	P _{sup} calentador auxiliar (@ T _{design} : -10°C)	[kW]	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9
	P _{sup} (@ T _{design} : -10°C)	[kW]	0.98	0.98	1.18	1.18	1.69	1.69	2.28

Calentador combinado con bomba de calor		Exterior	AURUM10VA	AURUM12VA	AURUM12YA	AURUM14VA	AURUM14YA	AURUM16VA	AURUM16YA
		Interior	AURUM4-10D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240
		-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Capacidad de control		[kW]	0.014	0.014	0.020	0.014	0.020	0.014	0.020
P _{off} (Consumo en modo OFF)		[kW]	0.024	0.024	0.030	0.024	0.030	0.024	0.030
P _{by} (Consumo en modo temostato apagado)		[kW]	0.014	0.014	0.020	0.014	0.020	0.014	0.020
P _{stb} (Consumo en modo Standby)		[kW]	0.000	0.000	0.000	0.000	0.000	0.000	0.000
P _{chk} (Modelo calentador de cárter eléctrico)		[kW]	5.67	6.35	6.35	6.35	6.35	6.35	6.35
Q _{elec} (Consumo eléctrico diario)		[kWh]	-	-	-	-	-	-	-
Q _{fuel} (Consumo combustible diario)		[kWh]	-	-	-	-	-	-	-
Condiciones de carga parcial para calefacción de espacios en clima medio									
Condición (A) (-7°C)	P _{th} (Capacidad de calefac. declarada)	[kW]	6.78	10.24	10.24	10.68	10.68	11.52	11.52
	COP _d (COP declarado)	-	2.24	2.01	2.01	2.01	2.01	1.99	1.99
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Condición (B) (2°C)	P _{th} (Capacidad de calefac. declarada)	[kW]	4.28	6.52	6.52	6.86	6.86	7.18	7.18
	COP _d (COP declarado)	-	3.42	3.44	3.44	3.43	3.43	3.34	3.34
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Condición (C) (7°C)	P _{th} (Capacidad de calefac. declarada)	[kW]	2.77	4.36	4.36	4.63	4.63	4.67	4.67
	COP _d (COP declarado)	-	4.52	4.59	4.59	4.66	4.66	4.61	4.61
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Condición (D) (12°C)	P _{th} (Capacidad de calefac. declarada)	[kW]	1.58	3.29	3.29	3.31	3.31	3.32	3.32
	COP _d (COP declarado)	-	5.68	6.05	6.05	6.13	6.13	6.07	6.07
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(E) Tol (Temperatura límite de funcionamiento)	Tol (Límite de temperatura de func.)	[°C]	-10	-10	-10	-10	-10	-10	-10
	P _{th} (Capacidad de calefac. declarada)	[kW]	5.38	9.1	9.1	9.19	9.19	10.33	10.33
	COP _d (COP declarado)	-	1.83	1.79	1.79	1.76	1.76	1.80	1.80
	WTOL (Límite de func. de calefac. agua)	[°C]	65	65	65	65	65	65	65
(F) Temperatura Tivalente	T _{bw}	[°C]	-7	-7	-7	-7	-7	-7	-7
	P _{th} (Capacidad de calefac. declarada)	[kW]	6.78	10.27	10.27	10.68	10.68	11.52	11.52
	COP _d (COP declarado)	-	2.24	2.01	2.01	2.01	2.01	1.99	1.99
Capacidad del calentador auxiliar integrado en la unidad	P _{sup} calentador auxiliar (@ Tdesignh: -10°C)	[kW]	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9
Capacidad suplém. en P _{design}	P _{sup} (@ Tdesignh: -10°C)	[kW]	2.28	2.5	2.5	2.91	2.91	2.67	2.67

Explicación sobre el tipo de unidad interior:

1. AURUM4-10D190 incluye el siguiente tipo :
 - AURUM4-10D190 + tanque de 3kW : 190L con resistencia auxiliar de 3kW y monofásica.
 - AURUM4-10D190 + depósito de 6 kW : 190L con resistencia auxiliar de 6 kW y monofásica.
 - AURUM4-10D190 + depósito de 9kW : 190L con resistencia auxiliar de 9kW y trifásica.
2. AURUM4-10D240 incluye el siguiente tipo:
 - AURUM4-10D240 + tanque de 3kW : 240L con resistencia auxiliar de 3kW y monofásica.
 - AURUM4-10D240 + depósito de 6kW : 240L con resistencia auxiliar de 6kW y monofásica.
 - AURUM4-10D240 + depósito de 9kW : 240L con resistencia auxiliar de 9kW y trifásica.
3. AURUM12-16D240 incluye el siguiente tipo:
 - AURUM12-16D240 + tanque de 3kW : 240L con resistencia auxiliar de 3kW y monofásica.
 - AURUM12-16D240 + tanque de 6kW : 240L con resistencia auxiliar de 6kW y monofásica.
 - AURUM12-16D240 + depósito de 9 kW : 240L con resistencia auxiliar de 9 kW y trifásica.

Nota:

Los detalles y precauciones de instalación, mantenimiento y montaje se encuentran en los manuales de instalación y/o funcionamiento.

(*)Potencia sonora en modo calefacción, medida según la norma EN 12102 en las condiciones de la norma EN 14825.

Estos datos sirven para comparar las eficiencias energéticas según la directiva 2010/30/UE sobre la etiqueta energética. Para seleccionar correctamente los productos para su aplicación, póngase en contacto con su distribuidor. Dependiendo de su aplicación y del producto seleccionado, puede ser necesario instalar un calefactor adicional.

Calefacción de espacios			Para aplicación en temperatura media											
Unidad exterior	Unidad interior	Clase de eficiencia energética	Potencia sonora ud. interior	Potencia sonora ud. exterior	Clima medio				Clima más frío			Clima más cálido		
					Capacidad calorífica nominal	Eficiencia energética estacional en calefacción	Consumo energía anual en calefacción	Capacidad calorífica nominal	Eficiencia energética estacional en calefacción	Consumo energía anual en calefacción	Capacidad calorífica nominal	Eficiencia energética estacional en calefacción	Consumo energía anual en calefacción	
		-	dB	dB	kW	%	kWh	kW	%	kWh	kW	%	kWh	
AURUM4VA	AURUM4-6HIDRO	A++	38	56	4.4	129.5	2744	3.4	102.1	3158	5.0	163.1	1614	
	AURUM4-10D190	A++	38	56	4.4	129.5	2744	3.4	102.1	3158	5.0	163.1	1614	
	AURUM4-10D240	A++	38	56	4.4	129.5	2744	3.4	102.1	3158	5.0	163.1	1614	
AURUM6VA	AURUM4-6HIDRO	A++	38	58	5.7	137.9	3345	4.3	111.1	3680	5.1	165.4	1634	
	AURUM4-10D190	A++	38	58	5.7	137.9	3345	4.3	111.1	3680	5.1	165.4	1634	
	AURUM4-10D240	A++	38	58	5.7	137.9	3345	4.3	111.1	3680	5.1	165.4	1634	
AURUM8VA	AURUM8-10HIDRO	A++	42	59	6.6	131.5	4056	5.8	112.1	4948	8.37	176.9	2485	
	AURUM4-10D190	A++	40	59	6.6	131.5	4056	5.8	112.1	4948	8.37	176.9	2485	
	AURUM4-10D240	A++	40	59	6.6	131.5	4056	5.8	112.1	4948	8.37	176.9	2485	
AURUM10VA	AURUM8-10HIDRO	A++	42	60	7.7	136.6	4539	6.7	116.5	5539	8.6	180.3	2496	
	AURUM4-10D190	A++	40	60	7.7	136.6	4539	6.7	116.5	5539	8.6	180.3	2496	
	AURUM4-10D240	A++	40	60	7.7	136.6	4539	6.7	116.5	5539	8.6	180.3	2496	
AURUM12VA	AURUM12-16HIDRO	A++	43	64	11.6	135.1	6927	10.3	117.8	8419	12.5	174.0	3776	
	AURUM12-16D240	A++	42	64	11.6	135.1	6927	10.3	117.8	8419	12.5	174.0	3776	
AURUM12YA	AURUM12-16HIDRO	A++	43	64	11.6	135.1	6928	10.3	117.7	8420	12.5	173.8	3780	
AURUM14VA	AURUM12-16D240	A++	42	64	11.6	135.1	6928	10.3	117.7	8420	12.5	173.8	3780	
	AURUM12-16HIDRO	A++	43	65	12.1	135.6	7202	11.0	118.9	8866	14.17	174.9	4258	
AURUM14YA	AURUM12-16D240	A++	44	65	12.1	135.6	7202	11.0	118.9	8866	14.17	174.9	4258	
AURUM16VA	AURUM12-16HIDRO	A++	43	65	12.1	135.6	7203	11.0	118.9	8867	14.17	174.7	4262	
	AURUM12-16D240	A++	44	65	12.1	135.6	7203	11.0	118.9	8867	14.17	174.7	4262	
AURUM16YA	AURUM12-16HIDRO	A++	43	68	13.0	133.3	7895	11.8	121.8	9309	14.17	176.0	4231	
	AURUM12-16D240	A++	44	68	13.0	133.3	7895	11.8	121.8	9309	14.17	176.0	4231	
AURUM18VA	AURUM12-16HIDRO	A++	43	68	13.0	133.2	7896	11.8	121.8	9310	14.17	175.8	4236	
	AURUM12-16D240	A++	44	68	13.0	133.2	7896	11.8	121.8	9310	14.17	175.8	4236	

Calefacción de espacios		Para aplicación en temperatura baja											
Unidad exterior	Unidad interior	Clase de eficiencia energética	Potencia sonora ud. interior	Potencia sonora ud. exterior	Clima medio			Clima más frío			Clima más cálido		
					Capacidad calorífica nominal	Eficiencia energética estacional en calefacción	Consumo energía anual en calefacción	Capacidad calorífica nominal	Eficiencia energética estacional en calefacción	Consumo energía anual en calefacción	Capacidad calorífica nominal	Eficiencia energética estacional en calefacción	Consumo energía anual en calefacción
		-	dB	dB	kW	%	kWh	kW	%	kWh	kW	%	kWh
AURUM4VA	AURUM4-6HIDRO	A+++	38	56	5.5	191.0	2351	4.6	159.5	2769	5.5	255.4	1146
	AURUM4-10D190	A+++	38	56	5.5	191.0	2351	4.6	159.5	2769	5.5	255.4	1146
	AURUM4-10D240	A+++	38	56	5.5	191.0	2351	4.6	159.5	2769	5.5	255.4	1146
	AURUM4-6HIDRO	A+++	38	58	6.8	195.0	2845	5.6	165.3	3300	6.1	259.8	1244
AURUM6VA	AURUM4-10D190	A+++	38	58	6.8	195.0	2845	5.6	165.3	3300	6.1	259.8	1244
	AURUM4-10D240	A+++	38	58	6.8	195.0	2845	5.6	165.3	3300	6.1	259.8	1244
	AURUM8-10HIDRO	A+++	42	59	8.1	205.6	3218	7.0	170.0	3976	8.1	276.6	1551
	AURUM4-10D190	A+++	40	59	8.1	205.6	3218	7.0	170.0	3976	8.1	276.6	1551
AURUM8VA	AURUM4-10D240	A+++	40	59	8.1	205.6	3218	7.0	170.0	3976	8.1	276.6	1551
	AURUM8-10HIDRO	A+++	42	60	9.2	204.8	3644	7.7	169.8	4423	8.6	280.5	1617
	AURUM4-10D190	A+++	40	60	9.2	204.8	3644	7.7	169.8	4423	8.6	280.5	1617
	AURUM4-10D240	A+++	40	60	9.2	204.8	3644	7.7	169.8	4423	8.6	280.5	1617
AURUM12VA	AURUM12-16HIDRO	A+++	43	64	12.0	189.4	5152	11.4	160.2	6870	11.1	256.1	2292
	AURUM12-16D240	A+++	42	64	12.0	189.4	5152	11.4	160.2	6870	11.1	256.1	2292
AURUM12YA	AURUM12-16HIDRO	A+++	43	64	12.0	189.3	5153	11.4	160.2	6871	11.1	255.6	2296
	AURUM12-16D240	A+++	42	64	12.0	189.3	5153	11.4	160.2	6871	11.1	255.6	2296
AURUM14VA	AURUM12-16HIDRO	A+++	43	65	13.7	185.7	6012	12.6	159.6	7667	12.1	260.3	2457
	AURUM12-16D240	A+++	44	65	13.7	185.7	6012	12.6	159.6	7667	12.1	260.3	2457
AURUM14YA	AURUM12-16HIDRO	A+++	43	65	13.7	185.6	6013	12.6	159.6	7667	12.1	259.8	2462
	AURUM12-16D240	A+++	44	65	13.7	185.6	6013	12.6	159.6	7667	12.1	259.8	2462
AURUM16VA	AURUM12-16HIDRO	A+++	43	68	15.2	181.7	6804	13.7	157.8	8431	13.1	248.5	2781
	AURUM12-16D240	A+++	44	68	15.2	181.7	6804	13.7	157.8	8431	13.1	248.5	2781
AURUM16YA	AURUM12-16HIDRO	A+++	43	68	15.2	181.6	6805	13.7	157.8	8431	13.1	248.1	2786
	AURUM12-16D240	A+++	44	68	15.2	181.6	6805	13.7	157.8	8431	13.1	248.1	2786

Ficha de producto 1

CALEFACCIÓN							Exterior	AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA
Potencia sonora de la unidad interior (*)							Interior	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM12-16HIDRO AURUM12-16D240
Aplicación en temperatura baja clima medio							dB	38 ^{a)} /38 ^{b)}	38 ^{a)} /38 ^{b)}	42 ^{a)} /40 ^{b)}	42 ^{a)} /40 ^{b)}	43 ^{a)} /42 ^{b)}
Aplicación en temperatura media clima medio							dB	56	58	59	60	64
Calentador auxiliar Psup (opcional)							dB	56	58	59	60	64
Clase de eficiencia energética 35°C (Temp. baja)							[kW]	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9
Clase de eficiencia energética 55°C (Temp. media)							-	A+++	A+++	A+++	A+++	A+++
Clima medio (temperatura de diseño = -10 °C)							-	A++	A++	A++	A++	A++
Prated (capacidad calefac. nominal) @ -10°C							[kW]	5.5	6.8	8.1	9.2	12.0
Eficiencia estacional en calefacción (ηs)							[%]	191.0	195.0	205.6	204.8	189.4
Consumo anual de energía							[kWh]	2,351	2,845	3,218	3,644	5,152
Prated (capacidad calefac. nominal) @ -10°C							[kW]	4.4	5.7	6.6	7.7	11.6
Eficiencia estacional en calefacción (ηs)							[%]	129.5	137.9	131.5	136.6	135.1
Consumo anual de energía							[kWh]	2,744	3,345	4,056	4,539	6,927
Condiciones de carga parcial para calefacción de espacios en clima medio y aplicación de baja temperatura												
Condición (A) (-7°C)	Pdh (Capacidad de calefacción declarada)						[kW]	4.88	6.03	7.18	8.10	10.61
	COPd (COP declarado)						-	3.19	3.09	3.35	3.23	2.88
	Cdh (coeficiente de degradación)						-	0.90	0.90	0.90	0.90	0.90
Condición (B) (2°C)	Pdh (Capacidad de calefacción declarada)						[kW]	3.05	3.88	4.65	5.18	6.69
	COPd (COP declarado)						-	4.78	4.85	5.09	5.01	4.65
	Cdh (coeficiente de degradación)						-	0.90	0.90	0.90	0.90	0.90
Condición (C) (7°C)	Pdh (Capacidad de calefacción declarada)						[kW]	1.93	2.39	2.90	3.32	4.44
	COPd (COP declarado)						-	6.13	6.63	6.82	7.08	6.62
	Cdh (coeficiente de degradación)						-	0.90	0.90	0.90	0.90	0.90
Condición (D) (12°C)	Pdh (Capacidad de calefacción declarada)						[kW]	1.48	1.39	1.63	1.65	3.74
	COPd (COP declarado)						-	8.05	7.93	8.35	8.58	8.47
	Cdh (coeficiente de degradación)						-	0.90	0.90	0.90	0.90	0.90
(E) Tol (Temperatura límite de funcionamiento)	Tol (Límite de temperatura de funcionamiento)						[°C]	-10.00	-10.00	-10.00	-10.00	-10.00
	Pdh (Capacidad de calefacción declarada)						[kW]	4.41	5.36	6.44	7.40	10.74
	COPd (COP declarado)						-	2.86	2.76	3.04	2.96	2.77
	WTOL (Límite de func. de calefac. agua)						[°C]	65	65	65	65	65

Nota:
a) representa los modelos con módulo hidráulico;
b) representa los modelos con depósito integrado;

Ficha de producto 1

CALEFACCIÓN		Exterior				
		Interior				
Potencia sonora de la unidad interior (*)		AURUM12-16HIDRO AURUM12-16D240				
Potencia sonora de la unidad exterior (*)	Aplicación en temperatura baja clima medio	43 ^a /44 ^b				
	Aplicación en temperatura media clima medio	65				
Capacidad del calefactor auxiliar integrado en la unidad	Calefacción de espacios	65				
		3/6/9				
Calefacción de espacios	Clase de eficiencia energética 35°C (Temp. baja)	A+++				
	Clase de eficiencia energética 55°C (Temp. media)	A++				
Clima medio (temperatura de diseño = -10 °C)						
Calefacción de espacios 35°C	Prated (capacidad calefac. nominal) @ -10°C	13.7				
	Eficiencia estacional en calefacción (ns)	185.7				
	Consumo anual de energía	6,012				
Calefacción de espacios 55°C	Prated (capacidad calefac. nominal) @ -10°C	12.1				
	Eficiencia estacional en calefacción (ns)	135.6				
	Consumo anual de energía	7,202				
Condiciones de carga parcial para calefacción de espacios en clima medio y aplicación de baja temperatura						
Condición (A) (-7°C)	Pdh (Capacidad de calefacción declarada)	12.14				
	COPd (COP declarado)	2.79				
	Cdh (coeficiente de degradación)	0.90				
Condición (B) (2°C)	Pdh (Capacidad de calefacción declarada)	7.94				
	COPd (COP declarado)	4.52				
	Cdh (coeficiente de degradación)	0.90				
Condición (C) (7°C)	Pdh (Capacidad de calefacción declarada)	5.20				
	COPd (COP declarado)	6.68				
	Cdh (coeficiente de degradación)	0.90				
Condición (D) (12°C)	Pdh (Capacidad de calefacción declarada)	3.75				
	COPd (COP declarado)	8.52				
	Cdh (coeficiente de degradación)	0.90				
(E) Tol (temperatura límite de funcionamiento)	Tol (Límite de temperatura de funcionamiento)	-10.00				
	Pdh (Capacidad de calefacción declarada)	11.47				
	COPd (COP declarado)	2.59				
WTOL (Límite de func. de calefac. agua)		65				

Nota:
a) representa los modelos con módulo hidráulico;
b) representa los modelos con depósito integrado;

Ficha de producto 2

CALEFACCIÓN		Exterior	AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA
(F) Temperatura Tivalente	Tbiv		AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM12-16HIDRO AURUM12-16D240
	Pdh (Capacidad de calefac. declarada)	[°C]	-7.00	-7.00	-7.00	-7.00	-7.00
	Pdh (Capacidad de calefac. declarada)	[kW]	4.88	6.03	7.18	8.10	10.61
	COPd (COP declarado)	-	3.19	3.09	3.35	3.23	2.88
Capacidad suplem. en P_design	Psup (@Tdesignh: -10°C)	[kW]	1.11	1.45	1.68	1.76	1.26
Condiciones de carga parcial para calefacción de espacios en clima medio y aplicación de temperatura media							
Condición (A) (-7°C)	Pdh (Capacidad de calefac. declarada)	[kW]	3.89	5.04	5.84	6.78	10.24
	COPd (COP declarado)	-	2.17	2.17	2.16	2.24	2.01
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (B) (2°C)	Pdh (Capacidad de calefac. declarada)	[kW]	2.38	3.12	3.75	4.28	6.52
	COPd (COP declarado)	-	3.30	3.51	3.30	3.42	3.44
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (C) (7°C)	Pdh (Capacidad de calefac. declarada)	[kW]	2.94	2.08	2.42	2.77	4.36
	COPd (COP declarado)	-	4.41	4.54	4.34	4.52	4.59
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (D) (12°C)	Pdh (Capacidad de calefac. declarada)	[kW]	1.32	1.28	1.39	1.58	3.29
	COPd (COP declarado)	-	5.66	5.59	5.33	5.68	6.05
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
(E) Tol (Temperatura límite de funcionamiento)	Tol (Límite de temperatura de func.)	[°C]	-10.00	-10.00	-10.00	-10.00	-10.00
	Pdh (Capacidad de calefac. declarada)	[kW]	3.42	4.52	4.90	5.38	9.10
	COPd (COP declarado)	-	1.91	1.91	1.84	1.83	1.79
	WTOL (Límite de func. de calefac. agua)	[°C]	65	65	65	65	65
(F) Temperatura Tivalente	Tbiv	[°C]	-7.00	-7.00	-7.00	-7.00	-7.00
	Pdh (Capacidad de calefac. declarada)	[kW]	3.89	5.04	5.84	6.78	10.24
	COPd (COP declarado)	-	2.17	2.17	2.16	2.24	2.01
	Psup (@Tdesignh: -10°C)	[kW]	0.98	1.18	1.69	2.28	2.50
Clima más frío (temperatura de diseño = -22°C)							
Calefacción de espacios 35°C	Prated (capacidad calefac. nominal) @ -22°C	[kW]	4.6	5.6	7.0	7.7	11.4
	Eficiencia estacional en calefacción (ηs)	[%]	159.5	165.3	170.0	169.8	160.2
	Consumo anual de energía	[kWh]	2,769	3,300	3,976	4,423	6,870

Ficha de producto 2

CALEFACCIÓN		Exterior	AURUM14VA	AURUM16VA	AURUM12YA	AURUM14YA	AURUM16YA
(F) Temperatura Tbivalente		Interior	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240
	Tbiv	[°C]	-7.00	-7.00	-7.00	-7.00	-7.00
	Pdh (Capacidad de calefac. declarada)	[kW]	12.14	13.45	10.61	12.14	13.45
	COPd (COP declarado)	-	2.79	2.72	2.88	2.79	2.72
Capacidad suplém. en P_design	Psup (@Tdesignh: -10°C)	[kW]	2.23	2.68	1.26	2.23	2.68
Condiciones de carga parcial para calefacción de espacios en clima medio y aplicación de temperatura media							
Condición (A) (-7°C)	Pdh (Capacidad de calefac. declarada)	[kW]	10.68	11.52	10.24	10.68	11.52
	COPd (COP declarado)	-	2.01	1.99	2.01	2.01	1.99
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (B) (2°C)	Pdh (Capacidad de calefac. declarada)	[kW]	6.86	7.18	6.52	6.86	7.18
	COPd (COP declarado)	-	3.43	3.34	3.44	3.43	3.34
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (C) (7°C)	Pdh (Capacidad de calefac. declarada)	[kW]	4.63	4.67	4.36	4.63	4.67
	COPd (COP declarado)	-	4.66	4.61	4.59	4.66	4.61
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (D) (12°C)	Pdh (Capacidad de calefac. declarada)	[kW]	3.31	3.31	3.29	3.31	3.31
	COPd (COP declarado)	-	6.13	6.07	6.05	6.13	6.07
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
(E) Tol (Temperatura límite de funcionamiento)	Tol (Límite de temperatura de func.)	[°C]	-10.00	-10.00	-10.00	-10.00	-10.00
	Pdh (Capacidad de calefac. declarada)	[kW]	9.19	10.33	9.10	9.19	10.33
	COPd (COP declarado)	-	1.76	1.80	1.79	1.76	1.80
	WTOL (Límite de func. de calefac. agua)	[°C]	65	65	65	65	65
(F) Temperatura Tbivalente	Tbiv	[°C]	-7.00	-7.00	-7.00	-7.00	-7.00
	Pdh (Capacidad de calefac. declarada)	[kW]	10.68	11.52	10.24	10.68	11.52
	COPd (COP declarado)	-	2.01	1.99	2.01	2.01	1.99
	Psup (@Tdesignh: -10°C)	[kW]	2.91	2.67	2.50	2.91	2.67
Clima más frío (temperatura de diseño = -22°C)							
Calefacción de espacios 35°C	Prated (capacidad calefac. nominal) @ -22°C	[kW]	12.6	13.7	11.4	12.6	13.7
	Eficiencia estacional en calefacción (ns)	[%]	159.6	157.8	160.2	159.6	157.8
	Consumo anual de energía	[kWh]	7,667	8,431	6,871	7,667	8,431

Ficha de producto 3

CALEFACCIÓN		Exterior	AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA
Calefacción de espacios 55°C		Exterior					
	Prated (capacidad calefac. nominal) @ -22°C	[kW]	3.4	4.3	5.8	6.7	10.3
	Eficiencia estacional en calefacción (ηs)	[%]	102.1	111.1	112.0	116.4	117.8
Condiciones de carga parcial para calefacción de espacios en clima frío y aplicación de temperatura baja	Consumo anual de energía	[kWh]	3,159	3,681	4,950	5,540	8,419
Condición (A) (-7°C)	Pdh (Capacidad de calefac. declarada)	[kW]	2.75	3.42	4.46	4.83	7.05
	COPd (COP declarado)	-	3.49	3.59	3.66	3.60	3.48
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (B) (2°C)	Pdh (Capacidad de calefac. declarada)	[kW]	1.77	2.06	2.69	2.94	4.67
	COPd (COP declarado)	-	4.95	5.21	5.20	5.26	4.96
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (C) (7°C)	Pdh (Capacidad de calefac. declarada)	[kW]	1.17	1.46	1.65	1.92	3.14
	COPd (COP declarado)	-	5.53	6.24	6.53	7.08	6.10
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (D) (12°C)	Pdh (Capacidad de calefac. declarada)	[kW]	1.43	1.44	1.65	1.65	3.57
	COPd (COP declarado)	-	7.67	7.66	7.96	7.96	7.87
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
(E) Tol (Temperatura límite de funcionamiento)	Tol (Límite de temperatura de func.)	[°C]	-22.00	-22.00	-22.00	-22.00	-22.00
	Pdh (Capacidad de calefac. declarada)	[kW]	2.80	3.48	4.06	4.62	7.01
	COPd (COP declarado)	-	1.97	1.96	1.95	1.97	1.98
	WTOL (Límite de func. de calefac. agua)	[°C]	65	65	65	65	65
	Tbiv	[°C]	-15.00	-15.00	-15.00	-15.00	-15.00
(F) Temperatura Bivalente	Pdh (Capacidad de calefac. declarada)	[kW]	3.72	4.59	5.69	6.32	9.28
	COPd (COP declarado)	-	2.57	2.53	2.83	2.64	2.59
Capacidad suplem. en P_design	Psup (@Tdesignh: -22°C)	[kW]	1.76	2.15	2.91	3.08	4.40
Condiciones de carga parcial para calefacción de espacios en clima frío y aplicación de temperatura media							
Condición (A) (-7°C)	Pdh (Capacidad de calefac. declarada)	[kW]	2.13	2.70	3.86	4.27	6.63
	COPd (COP declarado)	-	2.32	2.46	2.48	2.54	2.63
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90

Ficha de producto 3

CALEFACCIÓN		Exterior	AURUM14VA	AURUM16VA	AURUM12YA	AURUM14YA	AURUM16YA
CALEFACCIÓN		Interior	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240
	Prated (capacidad calefac. nominal) @ -22°C	[kW]	11.0	11.8	10.3	11.0	11.8
	Eficiencia estacional en calefacción (ηs)	[%]	118.9	121.8	117.7	118.9	121.8
		[kWh]	8,866	9,309	8,420	8,867	9,310
Condiciones de carga parcial para calefacción de espacios en clima frío y aplicación de temperatura baja							
Condición (A) (-7°C)	Pdh (Capacidad de calefac. declarada)	[kW]	7.96	8.31	7.05	7.96	8.31
	COPd (COP declarado)	-	3.44	3.37	3.48	3.44	3.37
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (B) (2°C)	Pdh (Capacidad de calefac. declarada)	[kW]	5.05	5.26	4.67	5.05	5.26
	COPd (COP declarado)	-	4.92	4.86	4.96	4.92	4.86
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (C) (7°C)	Pdh (Capacidad de calefac. declarada)	[kW]	3.15	3.62	3.14	3.15	3.62
	COPd (COP declarado)	-	6.11	6.49	6.10	6.11	6.49
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (D) (12°C)	Pdh (Capacidad de calefac. declarada)	[kW]	3.57	3.34	3.57	3.57	3.34
	COPd (COP declarado)	-	7.82	7.40	7.87	7.82	7.40
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
(E) Tol (Temperatura límite de funcionamiento)	Tol (Límite de temperatura de func.)	[°C]	-22.00	-22.00	-22.00	-22.00	-22.00
	Pdh (Capacidad de calefac. declarada)	[kW]	7.57	8.88	7.01	7.57	8.88
	COPd (COP declarado)	-	1.92	1.97	1.98	1.92	1.97
(F) Temperatura Tbivalente	WTOL (Límite de func. de calefac. agua)	[°C]	65	65	65	65	65
	Tbiv	[°C]	-15.00	-15.00	-15.00	-15.00	-15.00
	Pdh (Capacidad de calefac. declarada)	[kW]	10.31	11.22	9.28	10.31	11.22
Capacidad suplem. en P_design	COPd (COP declarado)	-	2.53	2.43	2.59	2.53	2.43
	Psup (@Tdesignh: -22°C)	[kW]	5.03	4.82	4.40	5.03	4.82
Condiciones de carga parcial para calefacción de espacios en clima frío y aplicación de temperatura media							
Condición (A) (-7°C)	Pdh (Capacidad de calefac. declarada)	[kW]	6.89	7.64	6.63	6.89	7.64
	COPd (COP declarado)	-	2.66	2.65	2.63	2.66	2.65
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90

Ficha de producto 4

CALEFACCIÓN		Exterior	AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA
Condición (B) (2°C)	Pdh (Capacidad de calefac. declarada)	[kW]	1.28	1.60	2.21	2.57	4.06
	COPd (COP declarado)	-	2.99	3.36	3.35	3.51	3.60
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
	Pdh (Capacidad de calefac. declarada)	[kW]	1.01	1.02	1.44	1.65	2.78
Condición (C) (7°C)	COPd (COP declarado)	-	3.86	3.94	4.11	4.37	4.54
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
	Pdh (Capacidad de calefac. declarada)	[kW]	1.36	1.37	1.46	1.47	3.33
	COPd (COP declarado)	-	6.28	6.35	5.92	5.96	6.25
Condición (D) (12°C)	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
	Tol (temperature operating limit)	[°C]	-22.00	-22.00	-22.00	-22.00	-22.00
	Pdh (Capacidad de calefac. declarada)	[kW]	1.64	2.09	2.80	2.80	4.19
	COPd (COP declarado)	-	1.02	1.13	1.22	1.22	1.13
(E) Toi (Temperatura límite de funcionamiento)	WTOL (Límite de func. de calefac. agua) [°C]	[°C]	65	65	65	65	65
	Tbiv	[°C]	-15.00	-15.00	-15.00	-15.00	-15.00
	Pdh (Capacidad de calefac. declarada)	[kW]	2.74	3.47	4.71	5.47	8.41
	COPd (COP declarado)	-	1.74	1.86	1.90	2.00	1.84
Capacidad suplem. en P_design	Psup (@ Tdesign): -22°C	[kW]	1.72	2.17	2.97	3.91	6.12
Clima más cálido (Temperatura diseño = 2°C)							
Calefacción de espacios 35°C	Prated (capacidad calefac. nominal) @ 2°C	[kW]	5.5	6.1	8.1	8.6	11.1
	Eficiencia estacional en calefacción (ηs)	[%]	255.4	259.8	276.6	280.5	256.1
	Consumo anual de energía	[kWh]	1,146	1,244	1,551	1,617	2,292
Calefacción de espacios 55°C	Prated (capacidad calefac. nominal) @ 2°C	[kW]	5.0	5.1	8.37	8.6	12.5
	Eficiencia estacional en calefacción (ηs)	[%]	162.4	164.7	176.9	180.3	174.0
	Consumo anual de energía	[kWh]	1,621	1,640	2,485	2,516	3,776
Condiciones de carga parcial para calefacción de espacios en clima frío y aplicación de temperatura media							
Condición (B) (2°C)	Pdh (Capacidad de calefac. declarada)	[kW]	5.34	5.93	7.56	8.44	11.10
	COPd (COP declarado)	-	3.94	3.91	3.98	3.84	3.59
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
	Pdh (Capacidad de calefac. declarada)	[kW]	3.56	3.93	5.22	5.52	7.14
Condición (C) (7°C)	COPd (COP declarado)	-	5.92	5.89	6.26	6.18	5.87
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90

Ficha de producto 4

CALEFACCIÓN		Exterior	AURUM14VA	AURUM16VA	AURUM12YA	AURUM14YA	AURUM16YA
Condición (B) (2°C)	Pdh (Capacidad de calefac. declarada)	[kW]	4.32	4.42	4.06	4.32	4.42
	COPd (COP declarado)	-	3.66	3.79	3.60	3.66	3.79
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
	Pdh (Capacidad de calefac. declarada)	[kW]	3.06	2.97	2.78	3.06	2.97
Condición (C) (7°C)	COPd (COP declarado)	-	4.72	4.81	4.54	4.72	4.81
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
	Pdh (Capacidad de calefac. declarada)	[kW]	3.33	3.43	3.33	3.33	3.43
Condición (D) (12°C)	COPd (COP declarado)	-	6.25	6.29	6.25	6.25	6.29
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
	Tol (temperature operating limit)	[°C]	-22.00	-22.00	-22.00	-22.00	-22.00
	Pdh (Capacidad de calefac. declarada)	[kW]	4.20	5.21	4.19	4.20	5.21
(E) Tol (Temperatura límite de funcionamiento)	COPd (COP declarado)	-	1.13	1.23	1.13	1.13	1.23
	WTOL (Límite de func. de calefac. agua) [°C]	[°C]	65	65	65	65	65
	Tbiv	[°C]	-15.00	-15.00	-15.00	-15.00	-15.00
	Pdh (Capacidad de calefac. declarada)	[kW]	8.94	9.61	8.41	8.94	9.61
(F) Temperatura Tbiivalente	COPd (COP declarado)	-	1.79	1.86	1.84	1.79	1.86
	Psup (@Tdesignh: -22°C)	[kW]	6.76	6.59	6.12	6.76	6.59
Clima más cálido (Temperatura diseño = 2°C)							
Calefacción de espacios 35°C	Prated (capacidad calefac. nominal) @ 2°C	[kW]	12.1	13.1	11.1	12.1	13.1
	Eficiencia estacional en calefacción (ns)	[%]	260.3	248.5	255.6	259.8	248.1
	Consumo anual de energía	[kWh]	2,457	2,781	2,296	2,462	2,786
	Prated (capacidad calefac. nominal) @ 2°C	[kW]	14.17	14.17	12.5	14.17	14.17
Calefacción de espacios 55°C	Eficiencia estacional en calefacción (ns)	[%]	174.9	176.0	173.8	174.7	175.8
	Consumo anual de energía	[kWh]	4,258	4,231	3,780	4,231	4,236
Condiciones de carga parcial para calefacción de espacios en clima frío y aplicación de temperatura media							
Condición (B) (2°C)	Pdh (Capacidad de calefac. declarada)	[kW]	12.04	13.10	11.10	12.04	13.10
	COPd (COP declarado)	-	3.44	3.35	3.59	3.44	3.35
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
	Pdh (Capacidad de calefac. declarada)	[kW]	7.78	8.41	7.14	7.78	8.41
Condición (C) (7°C)	COPd (COP declarado)	-	5.84	5.36	5.87	5.84	5.36
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90

Ficha de producto 5

CALEFACCIÓN							
		Exterior	AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA
		Interior	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM12-16HIDRO AURUM12-16D240
Condición (D) (12°C)	Pdh (Capacidad de calefac. declarada)	[kW]	1.63	1.79	2.62	2.62	3.55
	COPd (COP declarado)	-	7.91	8.20	9.23	9.04	7.94
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
(E) Tol (Temperatura límite de funcionamiento)	Tol (Límite de temperatura de func.)	[°C]	2.00	2.00	2.00	2.00	2.00
	Pdh (Capacidad de calefac. declarada)	[kW]	5.34	5.93	7.56	8.44	11.10
	COPd (COP declarado)	-	3.94	3.91	3.98	3.84	3.59
	WTOL (Límite de func. de calefac. agua)	[°C]	65	65	65	65	65
(F) Temperatura Tivalente	Tbiv	[°C]	7.00	7.00	7.00	7.00	7.00
	Pdh (Capacidad de calefac. declarada)	[kW]	3.56	3.93	5.22	5.52	7.14
	COPd (COP declarado)	-	5.92	5.89	6.26	6.18	5.87
Capacidad suplem. en P_design	Psup (@Tdesignh: 2°C)	[kW]	0.18	0.18	0.55	0.14	0.00
Condiciones de carga parcial para calefacción de espacios en clima frío y aplicación de temperatura media							
Condición (B) (2°C)	Pdh (Capacidad de calefac. declarada)	[kW]	4.83	5.02	7.55	8.06	12.07
	COPd (COP declarado)	-	2.51	2.48	2.59	2.59	2.31
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (C) (7°C)	Pdh (Capacidad de calefac. declarada)	[kW]	3.22	3.31	5.38	5.54	8.04
	COPd (COP declarado)	-	3.68	3.67	4.01	4.10	3.86
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (D) (12°C)	Pdh (Capacidad de calefac. declarada)	[kW]	1.47	1.59	2.31	2.53	3.75
	COPd (COP declarado)	-	5.15	5.29	5.55	5.82	5.70
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
(E) Tol (Temperatura límite de funcionamiento)	Tol (Límite de temperatura de func.)	[°C]	2.00	2.00	2.00	2.00	2.00
	Pdh (Capacidad de calefac. declarada)	[kW]	4.83	5.02	7.55	8.06	12.07
	COPd (COP declarado)	-	2.51	2.48	2.59	2.59	2.31
	WTOL (Límite de func. de calefac. agua)	[°C]	65	65	65	65	65
(F) Temperatura Tivalente	Tbiv	[°C]	7.00	7.00	7.00	7.00	7.00
	Pdh (Capacidad de calefac. declarada)	[kW]	3.22	3.31	5.38	5.54	8.04
	COPd (COP declarado)	-	3.68	3.67	4.01	4.10	3.86
Capacidad suplem. en P_design	Psup (@Tdesignh: 2°C)	[kW]	0.18	0.12	0.82	0.48	0.43

Ficha de producto 5

CALEFACCIÓN		Exterior	AURUM14VA	AURUM16VA	AURUM12YA	AURUM14YA	AURUM16YA
Condición (D) (12°C)	Pdh (Capacidad de calefac. declarada)	[kW]	3.75	3.87	3.55	3.75	3.87
	COPd (COP declarado)	-	8.25	8.11	7.94	8.25	8.11
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
	Tol (Límite de temperatura de func.)	[°C]	2.00	2.00	2.00	2.00	2.00
(E) Tol (Temperatura límite de funcionamiento)	Pdh (Capacidad de calefac. declarada)	[kW]	12.04	13.10	11.10	12.04	13.10
	COPd (COP declarado)	-	3.44	3.35	3.59	3.44	3.35
	WTOL (Límite de func. de calefac. agua)	[°C]	65	65	65	65	65
	Tbiv	[°C]	7.00	7.00	7.00	7.00	7.00
(F) Temperatura Tbivalente	Pdh (Capacidad de calefac. declarada)	[kW]	7.78	8.41	7.14	7.78	8.41
	COPd (COP declarado)	-	5.84	5.36	5.87	5.84	5.36
	Psup (@Tdesignh: 2°C)	[kW]	0.00	0.00	0.00	0.00	0.00
Condiciones de carga parcial para calefacción de espacios en clima frío y aplicación de temperatura media							
Condición (B) (2°C)	Pdh (Capacidad de calefac. declarada)	[kW]	13.04	13.38	12.07	13.04	13.38
	COPd (COP declarado)	-	2.20	2.29	2.31	2.20	2.29
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
	Pdh (Capacidad de calefac. declarada)	[kW]	9.11	9.11	8.04	9.11	9.11
Condición (C) (7°C)	COPd (COP declarado)	-	3.89	3.89	3.86	3.89	3.89
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
	Pdh (Capacidad de calefac. declarada)	[kW]	4.08	4.06	3.75	4.08	4.06
	COPd (COP declarado)	-	5.90	5.86	5.70	5.90	5.86
(E) Tol (Temperatura límite de funcionamiento)	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
	Tol (Límite de temperatura de func.)	[°C]	2.00	2.00	2.00	2.00	2.00
	Pdh (Capacidad de calefac. declarada)	[kW]	13.04	13.38	12.07	13.04	13.38
	COPd (COP declarado)	-	2.20	2.29	2.31	2.20	2.29
(F) Temperatura Tbivalente	WTOL (Límite de func. de calefac. agua)	[°C]	65	65	65	65	65
	Tbiv	[°C]	7.00	7.00	7.00	7.00	7.00
	Pdh (Capacidad de calefac. declarada)	[kW]	9.11	9.11	8.04	9.11	9.11
	COPd (COP declarado)	-	3.89	3.89	3.86	3.89	3.89
Capacidad suplem. en P_design	Psup (@Tdesignh: 2°C)	[kW]	1.13	0.79	0.43	1.13	0.79

Ficha de producto 6

CALEFACCIÓN

Descripción de producto	Exterior	AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA
	Interior	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM12-16HIDRO AURUM12-16D240
Bomba de calor aire-agua	S/N	Sí	Sí	Sí	Sí	Sí
	S/N	No	No	No	No	No
	S/N	No	No	No	No	No
	S/N	No	No	No	No	No
	S/N	Sí	Sí	Sí	Sí	Sí
	S/N	Sí	Sí	Sí	Sí	Sí
Equipada con resistencia auxiliar						
Combinación bomba de calor-calentador						
Unidad aire-agua		2770	2770	4030	4030	4060
Unidad salmuera/agua-agua		/	/	/	/	/
Otros	Caudal de aire nominal (exterior)					
	Caudal agua/salmuera nominal (exterior H/E)	-	-	-	-	-
	Control capacidad	Inverter	Inverter	Inverter	Inverter	Inverter
	Poff (Consumo en modo OFF)	0.014	0.014	0.014	0.014	0.014
	Pto (Consumo en modo termostato apagado)	0.024	0.024	0.024	0.024	0.024
	Psb (Consumo en modo Standby)	0.014	0.014	0.014	0.014	0.014
	PCK (Modelo calentador de cárter eléctrico)	0.000	0.000	0.000	0.000	0.000
	Qelec (Consumo eléctrico diario)	/	/	/	/	/
Qfuel (Consumo combustible diario)		/	/	/	/	/

Nota:

Explicación sobre el tipo de unidad interior:

Serie con módulo hidráulico

1) AURUM4-6HIDRO incluye los siguientes tipos:

AURUM4-6HIDRO sin resistencia auxiliar.

AURUM4-6HIDRO + 3kW: con resistencia auxiliar de 3kW y monofásica.

2) AURUM8-10HIDRO incluye los siguientes tipos:

AURUM8-10HIDRO sin resistencia auxiliar.

AURUM8-10HIDRO + 3kW: con resistencia auxiliar de 3kW y monofásica.

AURUM8-10HIDRO + 9kW: con resistencia auxiliar de 9kW y trifásica.

3) AURUM12-16HIDRO incluye los siguientes tipos:

AURUM12-16HIDRO sin resistencia auxiliar.

AURUM12-16HIDRO + 3kW: con resistencia auxiliar de 3kW y monofásica.

AURUM12-16HIDRO + 9kW: con resistencia auxiliar de 9kW y trifásica.

Serie con depósito integrado:

1) AURUM4-10D190 incluye los siguientes tipos:

AURUM4-10D190 + 3kW: depósito de 190L con resistencia auxiliar de 3kW y monofásica.

AURUM4-10D190 + 6kW: depósito de 190L con resistencia auxiliar de 6kW y monofásica.

AURUM4-10D190 + 9kW: depósito de 190L con resistencia auxiliar de 9kW y trifásica.

2) AURUM4-10D240 incluye los siguientes tipos:

AURUM4-10D240 + 3kW: depósito de 240L con resistencia auxiliar de 3kW y monofásica.

AURUM4-10D240 + 6kW: depósito de 240L con resistencia auxiliar de 6kW y monofásica.

AURUM4-10D240 + 9kW: depósito de 240L con resistencia auxiliar de 9kW y trifásica.

3) AURUM12-16D240 incluye los siguientes tipos:

AURUM12-16D240 + 3kW: depósito de 240L con resistencia auxiliar de 3kW y monofásica.

AURUM12-16D240 + 6kW: depósito de 240L con resistencia auxiliar de 6kW y monofásica.

AURUM12-16D240 + 9kW: depósito de 240L con resistencia auxiliar de 9kW y trifásica.

Datos de la ficha del producto según la directiva de la etiqueta energética 2010/30/CE reglamento (UE) 811/2013.

Potencia sonora medida según la norma EN12102 en condiciones de la norma EN14825.

Los detalles y las precauciones sobre la instalación, el mantenimiento y el montaje se encuentran en los manuales de instalación y/o funcionamiento.

Ficha de producto 6

CALEFACCIÓN

		Exterior	AURUM14VA	AURUM16VA	AURUM12YA	AURUM14YA	AURUM16YA
		Interior	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240
Descripción de producto	Bomba de calor aire-agua	S/N	Sí	Sí	Sí	Sí	Sí
	Bomba de calor agua-agua	S/N	No	No	No	No	No
	Bomba de calor salmuera-agua	S/N	No	No	No	No	No
	Bomba de calor baja temperatura	S/N	No	No	No	No	No
	Equipada con resistencia auxiliar	S/N	Sí	Sí	Sí	Sí	Sí
	Combinación bomba de calor-calentador	S/N	Sí	Sí	Sí	Sí	Sí
Unidad aire-agua	Caudal de aire nominal (exterior)	[m³/h]	4060	4650	4060	4060	4650
Unidad salmuera/agua-agua	Caudal agua/salmuera nominal (exterior H/E)	-	/	/	/	/	/
Otros	Control capacidad	-	Inverter	Inverter	Inverter	Inverter	Inverter
	Poff (Consumo en modo OFF)	[kW]	0.014	0.014	0.020	0.020	0.020
	Pto (Consumo en modo termostato apagado)	[kW]	0.024	0.024	0.030	0.030	0.030
	Psb (Consumo en modo Standby)	[kW]	0.014	0.014	0.020	0.020	0.020
	PCK (Modelo calentador de cárter eléctrico)	[kW]	0.000	0.000	0.000	0.000	0.000
	Qelec (Consumo eléctrico diario)	[kWh]	/	/	/	/	/
	Qtuel (Consumo combustible diario)	[kWh]	/	/	/	/	/

Nota:
Explicación sobre el tipo de unidad interior:
Serie con módulo hidráulico
1) AURUM4-6HIDRO incluye los siguientes tipos:
AURUM4-6HIDRO sin resistencia auxiliar.
AURUM4-6HIDRO + 3kW: con resistencia auxiliar de 3kW y monofásica.
2) AURUM8-10HIDRO incluye los siguientes tipos:
AURUM8-10HIDRO sin resistencia auxiliar.
AURUM8-10HIDRO + 3kW: con resistencia auxiliar de 3kW y monofásica.
AURUM8-10HIDRO + 9kW: con resistencia auxiliar de 9kW y trifásica.
3) AURUM12-16HIDRO incluye los siguientes tipos:
AURUM12-16HIDRO sin resistencia auxiliar.
AURUM12-16HIDRO + 3kW: con resistencia auxiliar de 3kW y monofásica.
AURUM12-16HIDRO + 9kW: con resistencia auxiliar de 9kW y trifásica.
Serie con depósito integrado:
1) AURUM4-10D190 incluye los siguientes tipos:
AURUM4-10D190 + 3kW: depósito de 190L con resistencia auxiliar de 3kW y monofásica.
AURUM4-10D190 + 6kW: depósito de 190L con resistencia auxiliar de 6kW y monofásica.
AURUM4-10D190 + 9kW: depósito de 190L con resistencia auxiliar de 9kW y trifásica.
2) AURUM4-10D240 incluye los siguientes tipos:
AURUM4-10D240 + 3kW: depósito de 240L con resistencia auxiliar de 3kW y monofásica.
AURUM4-10D240 + 6kW: depósito de 240L con resistencia auxiliar de 6kW y monofásica.
AURUM4-10D240 + 9kW: depósito de 240L con resistencia auxiliar de 9kW y trifásica.
3) AURUM12-16D240 incluye los siguientes tipos:
AURUM12-16D240 + 3kW: depósito de 240L con resistencia auxiliar de 3kW y monofásica.
AURUM12-16D240 + 6kW: depósito de 240L con resistencia auxiliar de 6kW y monofásica.
AURUM12-16D240 + 9kW: depósito de 240L con resistencia auxiliar de 9kW y trifásica.
Datos de la ficha del producto según la directiva de la etiqueta energética 2010/30/CE reglamento (UE) 811/2013.
Potencia sonora medida según la norma EN12102 en condiciones de la norma EN14825.
Los detalles y las precauciones sobre la instalación, el mantenimiento y el montaje se encuentran en los manuales de instalación y/o funcionamiento.

Ficha de producto 7

REFRIGERACIÓN							
Potencia sonora ud. interior (*)		Exterior	AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA
Potencia sonora ud. exterior (*)	Clima medio, aplicación de baja temperatura	Interior	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM12-16HIDRO AURUM12-16D240
		dB	38	40	42	42	43
		dB	56	58	60	61	65
Refrigeración 7°C	Clima medio, aplicación de temperatura media	dB	55	58	60	60	64
	Prated (capac. refrigeración declarada) @ 35°C	[kW]	4.7	7.0	7.4	8.2	11.6
	Eficiencia estacional refrigeración (ηs)	[%]	196.2	209.5	230.1	235.3	194.2
Refrigeración 18°C	Consumo anual de energía	[kWh]	566	791	762	826	1,412
	Prated (capac. refrigeración declarada) @ 35°C	[kW]	4.5	6.55	8.4	10.0	12.0
	Eficiencia estacional refrigeración (ηs)	[%]	307.7	326.8	354.9	348.8	282.4
	Consumo anual de energía	[kWh]	348	477	563	682	1,009
	Condiciones de carga parcial en refrigeración: aplicación de baja temperatura @ 7°C						
Condición (A) (35°C)	Pdc (capac. refrigeración declarada)	[kW]	4.70	7.00	7.40	8.20	11.60
	EERd (EER declarado)	-	3.45	3.00	3.38	3.30	2.75
	Cdc (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (B) (30°C)	Pdc (capac. refrigeración declarada)	[kW]	3.66	5.13	5.72	6.68	8.76
	EERd (EER declarado)	-	4.76	4.00	4.71	4.47	3.93
	Cdc (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (C) (25°C)	Pdc (capac. refrigeración declarada)	[kW]	2.21	3.48	3.62	4.26	5.81
	EERd (EER declarado)	-	5.72	6.45	6.65	7.02	5.73
	Cdc (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (D) (20°C)	Pdc (capac. refrigeración declarada)	[kW]	0.94	1.53	1.64	1.94	2.63
	EERd (EER declarado)	-	5.72	7.73	8.55	9.54	6.75
	Cdc (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90

(*)Potencia sonora medida según la norma EN12102 en las condiciones de la norma EN14825.

Ficha de producto 7

REFRIGERACIÓN								
Potencia sonora ud. interior (*)		Exterior		AURUM14VA	AURUM16VA	AURUM12YA	AURUM14YA	AURUM16YA
		Interior		AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240
Potencia sonora ud. exterior (*)		dB	44	44	44	43	44	44
		dB	65	65	68	65	65	68
		dB	64	64	67	64	64	67
Refrigeración 7°C		[kW]	12.7	14.0	14.0	11.6	12.7	14.0
		[%]	192.4	184.1	193.0	191.4	191.4	183.3
		[kWh]	1,560	1,796	1,420	1,568	1,568	1,804
Refrigeración 18°C		[kW]	13.5	14.2	14.2	12.0	13.5	14.2
		[%]	274.4	266.8	280.1	272.5	272.5	265.0
		[kWh]	1,168	1,263	1,017	1,176	1,176	1,271
Condiciones de carga parcial en refrigeración: aplicación de baja temperatura @ 7°C								
Condición (A) (35°C)		[kW]	12.70	14.00	11.60	12.70	12.70	14.00
		-	2.55	2.45	2.75	2.55	2.55	2.45
		-	0.90	0.90	0.90	0.90	0.90	0.90
Condición (B) (30°C)		[kW]	9.41	10.68	8.76	9.41	9.41	10.68
		-	3.85	3.63	3.93	3.85	3.85	3.63
		-	0.90	0.90	0.90	0.90	0.90	0.90
Condición (C) (25°C)		[kW]	6.16	6.76	5.81	6.16	6.16	6.76
		-	5.80	5.27	5.73	5.80	5.80	5.27
		-	0.90	0.90	0.90	0.90	0.90	0.90
Condición (D) (20°C)		[kW]	2.63	3.41	2.63	2.63	2.63	3.41
		-	6.74	7.29	6.75	6.74	6.74	7.29
		-	0.90	0.90	0.90	0.90	0.90	0.90

(*)Potencia sonora medida según la norma EN12102 en las condiciones de la norma EN14825.

Ficha de producto 8

REFRIGERACIÓN		Exterior	AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA
		Interior	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM12-16HIDRO AURUM12-16D240
Condiciones de carga parcial en refrigeración: aplicación de baja temperatura @ 18°C							
Condición (A) (35°C)	Pdc (capac. refrigeración declarada)	[kW]	4.50	6.55	8.40	10.00	12.00
	EERd (EER declarado)	-	5.55	4.90	5.05	4.80	4.00
	Cdc (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (B) (30°C)	Pdc (capac. refrigeración declarada)	[kW]	3.44	4.84	6.47	7.71	9.21
	EERd (EER declarado)	-	7.23	7.16	7.02	6.45	5.50
	Cdc (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (C) (25°C)	Pdc (capac. refrigeración declarada)	[kW]	2.19	3.26	4.31	5.03	5.74
	EERd (EER declarado)	-	8.94	9.64	10.67	10.36	8.66
	Cdc (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (D) (20°C)	Pdc (capac. refrigeración declarada)	[kW]	1.13	1.41	1.80	2.32	3.33
	EERd (EER declarado)	-	10.48	11.48	13.61	14.98	10.07
	Cdc (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Unidad aire-agua	Caudal de aire nominal (exterior)	[m³/h]	2770	2770	4030	4030	4060
Unidad agua/salmuera-agua	Caudal de aire/salmuera nominal (exterior H/E)	-	/	/	/	/	/
Otros	Control de capacidad	-	Inverter	Inverter	Inverter	Inverter	Inverter
	Poff (Consumo en modo Off)	[kW]	0.014	0.014	0.014	0.014	0.014
	Pto (Consumo en modo termostato apagado)	[kW]	0.010	0.010	0.010	0.010	0.010
	Psb (Consumo en modo espera)	[kW]	0.014	0.014	0.014	0.014	0.014
	Pck (Modo calentador del cárter)	[kW]	0.000	0.000	0.000	0.000	0.000
	Qelec (Consumo eléctrico diario)	[kWh]	/	/	/	/	/
	Qfuel (Consumo combustible diario)	[kWh]	/	/	/	/	/

Ficha de producto 8

REFRIGERACIÓN		Exterior	Condiciones de carga parcial en refrigeración: aplicación de baja temperatura @ 18°C											
			Interior		AURUM14VA		AURUM16VA		AURUM12YA		AURUM14YA		AURUM16YA	
Condición (A) (35°C)	Pdc (capac. refrigeración declarada)	[kW]	13.50		14.20		12.00		13.50		14.20			
	EERd (EER declarado)	-	3.61		3.61		4.00		3.61		3.61			
	Cdc (coeficiente de degradación)	-	0.90		0.90		0.90		0.90		0.90			
Condición (B) (30°C)	Pdc (capac. refrigeración declarada)	[kW]	10.20		11.42		9.21		10.20		11.42			
	EERd (EER declarado)	-	5.26		5.14		5.50		5.26		5.14			
	Cdc (coeficiente de degradación)	-	0.90		0.90		0.90		0.90		0.90			
Condición (C) (25°C)	Pdc (capac. refrigeración declarada)	[kW]	6.57		7.27		5.74		6.57		7.27			
	EERd (EER declarado)	-	8.45		7.83		8.66		8.45		7.83			
	Cdc (coeficiente de degradación)	-	0.90		0.90		0.90		0.90		0.90			
Condición (D) (20°C)	Pdc (capac. refrigeración declarada)	[kW]	3.33		3.40		3.33		3.33		3.40			
	EERd (EER declarado)	-	10.07		10.35		10.07		10.07		10.35			
	Cdc (coeficiente de degradación)	-	0.90		0.90		0.90		0.90		0.90			
Unidad aire-agua	Caudal de aire nominal (exterior)	[m³/h]	4060		4650		4060		4060		4650			
Unidad agua/salmuera-agua	Caudal de aire/salmuera nominal (exterior H/E)	-	/		/		/		/		/			
Otros	Control de capacidad	-	Inverter		Inverter		Inverter		Inverter		Inverter			
	Poff (Consumo en modo Off)	[kW]	0.014		0.014		0.020		0.020		0.020			
	Pto (Consumo en modo termostato apagado)	[kW]	0.010		0.010		0.010		0.010		0.010			
	Psb (Consumo en modo espera)	[kW]	0.014		0.014		0.020		0.020		0.020			
	Pck (Modo calentador del cárter)	[kW]	0.000		0.000		0.000		0.000		0.000			
	Qelec (Consumo eléctrico diario)	[kWh]	/		/		/		/		/			
	Qfuel (Consumo combustible diario)	[kWh]	/		/		/		/		/			

Unidad exterior	Unidad interior	Temperatura ambiente: 35/24 Temperatura agua: 23/18			Temperatura ambiente: 35/24 Temperatura agua: 12/7			Temperatura ambiente: 7/6 Temperatura agua: 30/35			Temperatura ambiente: 2/1 Temperatura agua: 30/35		
		Capacidad kW	Entrada kW	EER	Capacidad kW	Entrada kW	EER	Capacidad kW	Entrada kW	COP	Capacidad kW	Entrada kW	COP
AURUM4VA	AURUM4-6HIDRO	4.50	0.81	5.55	4.70	1.36	3.45	4.25	0.82	5.20	4.45	1.10	4.05
	AURUM4-10D190	4.50	0.81	5.55	4.70	1.36	3.45	4.25	0.82	5.20	4.45	1.10	4.05
	AURUM4-10D240	4.50	0.81	5.55	4.70	1.36	3.45	4.25	0.82	5.20	4.45	1.10	4.05
AURUM6VA	AURUM4-6HIDRO	6.55	1.34	4.90	7.00	2.33	3.00	6.20	1.24	5.00	5.50	1.39	3.95
	AURUM4-10D190	6.55	1.34	4.90	7.00	2.33	3.00	6.20	1.24	5.00	5.50	1.39	3.95
	AURUM4-10D240	6.55	1.34	4.90	7.00	2.33	3.00	6.20	1.24	5.00	5.50	1.39	3.95
AURUM8VA	AURUM8-10HIDRO	8.40	1.66	5.05	7.40	2.19	3.38	8.30	1.60	5.20	7.10	1.73	4.10
	AURUM4-10D190	8.40	1.66	5.05	7.40	2.19	3.38	8.30	1.60	5.20	7.10	1.73	4.10
	AURUM4-10D240	8.40	1.66	5.05	7.40	2.19	3.38	8.30	1.60	5.20	7.10	1.73	4.10
AURUM10VA	AURUM8-10HIDRO	10.00	2.08	4.80	8.20	2.48	3.30	10.00	2.00	5.00	8.20	2.02	4.05
	AURUM4-10D190	10.00	2.08	4.80	8.20	2.48	3.30	10.00	2.00	5.00	8.20	2.02	4.05
	AURUM4-10D240	10.00	2.08	4.80	8.20	2.48	3.30	10.00	2.00	5.00	8.20	2.02	4.05
AURUM12VA	AURUM12-16HIDRO	12.00	3.00	4.00	11.60	4.22	2.75	12.10	2.44	4.95	9.30	2.35	3.95
	AURUM12-16D240	12.00	3.00	4.00	11.60	4.22	2.75	12.10	2.44	4.95	9.30	2.35	3.95
	AURUM12-16HIDRO	12.00	3.00	4.00	11.60	4.22	2.75	12.10	2.44	4.95	9.30	2.35	3.95
AURUM14VA	AURUM12-16HIDRO	13.50	3.74	3.61	12.70	4.98	2.55	14.50	3.09	4.70	11.40	3.12	3.65
	AURUM12-16D240	13.50	3.74	3.61	12.70	4.98	2.55	14.50	3.09	4.70	11.40	3.12	3.65
	AURUM12-16HIDRO	13.50	3.74	3.61	12.70	4.98	2.55	14.50	3.09	4.70	11.40	3.12	3.65
AURUM16VA	AURUM12-16HIDRO	14.20	3.94	3.61	14.00	5.71	2.45	16.00	3.56	4.50	13.00	3.71	3.50
	AURUM12-16D240	14.20	3.94	3.61	14.00	5.71	2.45	16.00	3.56	4.50	13.00	3.71	3.50
	AURUM12-16HIDRO	14.20	3.94	3.61	14.00	5.71	2.45	16.00	3.56	4.50	13.00	3.71	3.50
AURUM16YA	AURUM12-16HIDRO	14.20	3.94	3.61	14.00	5.71	2.45	16.00	3.56	4.50	13.00	3.71	3.50
	AURUM12-16D240	14.20	3.94	3.61	14.00	5.71	2.45	16.00	3.56	4.50	13.00	3.71	3.50
	AURUM12-16HIDRO	14.20	3.94	3.61	14.00	5.71	2.45	16.00	3.56	4.50	13.00	3.71	3.50

Unidad exterior	Unidad interior	Temperatura ambiente: -7/-8 Temperatura agua: 30/35			Temperatura ambiente: 7/6 Temperatura agua: 40/45			Temperatura ambiente: 2/1 Temperatura agua: 40/45			Temperatura ambiente: -7/-8 Temperatura agua: 40/45		
		Capacidad kW	Entrada kW	COP	Capacidad kW	Entrada kW	COP	Capacidad kW	Entrada kW	COP	Capacidad kW	Entrada kW	COP
AURUM4VA	AURUM4-6HIDRO	4.80	1.52	3.15	4.35	1.14	3.80	5.10	1.70	3.00	4.30	1.83	2.35
	AURUM4-10D190	4.80	1.52	3.15	4.35	1.14	3.80	5.10	1.70	3.00	4.30	1.83	2.35
	AURUM4-10D240	4.80	1.52	3.15	4.35	1.14	3.80	5.10	1.70	3.00	4.30	1.83	2.35
AURUM6VA	AURUM4-6HIDRO	6.10	2.00	3.05	6.35	1.69	3.75	5.80	1.93	3.00	5.40	2.25	2.40
	AURUM4-10D190	6.10	2.00	3.05	6.35	1.69	3.75	5.80	1.93	3.00	5.40	2.25	2.40
	AURUM4-10D240	6.10	2.00	3.05	6.35	1.69	3.75	5.80	1.93	3.00	5.40	2.25	2.40
AURUM8VA	AURUM8-10HIDRO	7.10	2.18	3.25	8.20	2.08	3.95	7.40	2.28	3.25	6.60	2.59	2.55
	AURUM4-10D190	7.10	2.18	3.25	8.20	2.08	3.95	7.40	2.28	3.25	6.60	2.59	2.55
	AURUM4-10D240	7.10	2.18	3.25	8.20	2.08	3.95	7.40	2.28	3.25	6.60	2.59	2.55
AURUM10VA	AURUM8-10HIDRO	8.25	2.62	3.15	10.00	2.63	3.80	7.85	2.45	3.20	7.35	2.88	2.55
	AURUM4-10D190	8.25	2.62	3.15	10.00	2.63	3.80	7.85	2.45	3.20	7.35	2.88	2.55
	AURUM4-10D240	8.25	2.62	3.15	10.00	2.63	3.80	7.85	2.45	3.20	7.35	2.88	2.55
AURUM12VA	AURUM12-16HIDRO	10.00	3.33	3.00	12.30	3.24	3.80	10.70	3.57	3.00	10.20	4.25	2.40
	AURUM12-16D240	10.00	3.33	3.00	12.30	3.24	3.80	10.70	3.57	3.00	10.20	4.25	2.40
AURUM12YA	AURUM12-16HIDRO	10.00	3.33	3.00	12.30	3.24	3.80	10.70	3.57	3.00	10.20	4.25	2.40
	AURUM12-16D240	10.00	3.33	3.00	12.30	3.24	3.80	10.70	3.57	3.00	10.20	4.25	2.40
AURUM14VA	AURUM12-16HIDRO	12.00	4.29	2.80	14.20	3.89	3.65	11.70	4.09	2.86	11.80	5.02	2.35
	AURUM12-16D240	12.00	4.29	2.80	14.20	3.89	3.65	11.70	4.09	2.86	11.80	5.02	2.35
AURUM14YA	AURUM12-16HIDRO	12.00	4.29	2.80	14.20	3.89	3.65	11.70	4.09	2.86	11.80	5.02	2.35
	AURUM12-16D240	12.00	4.29	2.80	14.20	3.89	3.65	11.70	4.09	2.86	11.80	5.02	2.35
AURUM16VA	AURUM12-16HIDRO	13.30	4.93	2.70	16.00	4.44	3.60	12.80	4.49	2.85	12.90	5.78	2.23
	AURUM12-16D240	13.30	4.93	2.70	16.00	4.44	3.60	12.80	4.49	2.85	12.90	5.78	2.23
AURUM16YA	AURUM12-16HIDRO	13.30	4.93	2.70	16.00	4.44	3.60	12.80	4.49	2.85	12.90	5.78	2.23
	AURUM12-16D240	13.30	4.93	2.70	16.00	4.44	3.60	12.80	4.49	2.85	12.90	5.78	2.23

Unidad exterior	Unidad interior	Temperatura ambiente: 7/6 Temperatura agua: 47/55			Temperatura ambiente: 2/1 Temperatura agua: 47/55			Temperatura ambiente: -7/-8 Temperatura agua: 47/55		
		Capacidad kW	Entrada kW	COP	Capacidad kW	Entrada kW	COP	Capacidad kW	Entrada kW	COP
AURUM4VA	AURUM4-6HIDRO	4.40	1.49	2.95	5.10	2.08	2.45	4.00	2.05	1.95
	AURUM4-10D190	4.40	1.49	2.95	5.10	2.08	2.45	4.00	2.05	1.95
	AURUM4-10D240	4.40	1.49	2.95	5.10	2.08	2.45	4.00	2.05	1.95
AURUM6VA	AURUM4-6HIDRO	6.00	2.00	3.00	5.65	2.31	2.45	5.15	2.58	2.00
	AURUM4-10D190	6.00	2.00	3.00	5.65	2.31	2.45	5.15	2.58	2.00
	AURUM4-10D240	6.00	2.00	3.00	5.65	2.31	2.45	5.15	2.58	2.00
AURUM8VA	AURUM8-10HIDRO	7.50	2.36	3.18	7.10	2.73	2.60	6.15	3.00	2.05
	AURUM4-10D190	7.50	2.36	3.18	7.10	2.73	2.60	6.15	3.00	2.05
	AURUM4-10D240	7.50	2.36	3.18	7.10	2.73	2.60	6.15	3.00	2.05
AURUM10VA	AURUM8-10HIDRO	9.50	3.06	3.10	8.10	3.16	2.56	6.85	3.43	2.00
	AURUM4-10D190	9.50	3.06	3.10	8.10	3.16	2.56	6.85	3.43	2.00
	AURUM4-10D240	9.50	3.06	3.10	8.10	3.16	2.56	6.85	3.43	2.00
AURUM12VA	AURUM12-16HIDRO	12.00	3.87	3.10	11.40	4.47	2.55	10.00	4.88	2.05
	AURUM12-16D240	12.00	3.87	3.10	11.40	4.47	2.55	10.00	4.88	2.05
	AURUM12-16HIDRO	12.00	3.87	3.10	11.40	4.47	2.55	10.00	4.88	2.05
AURUM12YA	AURUM12-16D240	12.00	3.87	3.10	11.40	4.47	2.55	10.00	4.88	2.05
	AURUM12-16HIDRO	12.00	3.87	3.10	11.40	4.47	2.55	10.00	4.88	2.05
	AURUM12-16D240	12.00	3.87	3.10	11.40	4.47	2.55	10.00	4.88	2.05
AURUM14VA	AURUM12-16HIDRO	13.80	4.60	3.00	12.40	5.06	2.45	11.00	5.37	2.05
	AURUM12-16D240	13.80	4.60	3.00	12.40	5.06	2.45	11.00	5.37	2.05
	AURUM12-16HIDRO	13.80	4.60	3.00	12.40	5.06	2.45	11.00	5.37	2.05
AURUM14YA	AURUM12-16D240	13.80	4.60	3.00	12.40	5.06	2.45	11.00	5.37	2.05
	AURUM12-16HIDRO	13.80	4.60	3.00	12.40	5.06	2.45	11.00	5.37	2.05
	AURUM12-16D240	13.80	4.60	3.00	12.40	5.06	2.45	11.00	5.37	2.05
AURUM16VA	AURUM12-16HIDRO	16.00	5.52	2.90	13.40	5.58	2.40	12.50	6.19	2.02
	AURUM12-16D240	16.00	5.52	2.90	13.40	5.58	2.40	12.50	6.19	2.02
	AURUM12-16HIDRO	16.00	5.52	2.90	13.40	5.58	2.40	12.50	6.19	2.02
AURUM16YA	AURUM12-16D240	16.00	5.52	2.90	13.40	5.58	2.40	12.50	6.19	2.02
	AURUM12-16HIDRO	16.00	5.52	2.90	13.40	5.58	2.40	12.50	6.19	2.02
	AURUM12-16D240	16.00	5.52	2.90	13.40	5.58	2.40	12.50	6.19	2.02

Información ErP

Tipo ventilador	Ventilador axial		
Directiva (o norma) de regulación		Directiva ErP 2009/125/EC REGULACIÓN COMISIÓN (EU) No 327/2011	
Modelo	WZDK170-38G-1	Rev.	
Preparado por			

Especificaciones del ventilador

No.	Concepto	Observaciones
1	$\eta_{\text{target}} =$	29.1%
2	Eficiencia general (η_e) =	33.1%
3	Apto o no (Criterio: $\eta_e \geq \eta_{\text{target}}$)	Apto
4	Categoría de medición (A-D)	A
5	Categoría de eficiencia (estática o total)	Estática
6	Grado de eficiencia en punto óptimo de eficiencia energética	N =43.9
7	VSD integrado	Sí
8	Año de fabricación	Consultar placa de características
9	Nombre y lugar de fabricación	Consultar placa de características
10.1	Potencia nominal del motor (kW), con una eficiencia energética óptima	0.190kw
10.2	Caudal nominal del motor con una eficiencia energética óptima	1.368m ³ /s
10.3	Presión nominal del motor con una eficiencia energética óptima	40Pa
11	Revoluciones por minuto (R.P.M) en el punto de eficiencia energética óptima	800r/min
12	Relación específica	1.001
13	Información relevante para facilitar el desmontaje, el reciclaje o la eliminación al final de la vida útil	Todos los materiales pueden reciclarse
14	Información relevante para minimizar el impacto en el medio ambiente y garantizar una vida útil óptima en cuanto a la instalación, uso y mantenimiento del ventilador	Para la instalación, se debe mantener un espacio libre de 500 mm desde la entrada
15	Descripción de los elementos adicionales utilizados al determinar la eficiencia energética del ventilador, como los conductos, que no se describen en la categoría de medición y no se suministran con el ventilador.	Medida categoría A, el ventilador está libre de condiciones de entrada y salida
16	Fabricante del motor	NIDEC SHIBAURA (ZHEJIANG) CORP.

Información ErP

Tipo ventilador	Ventilador axial		
Directiva (o norma) de regulación		Directiva ErP 2009/125/EC REGULACIÓN COMISIÓN (EU) No 327/2011	
Modelo	WZDK170-38G-1	Rev.	
Preparado por			

Especificaciones del ventilador

No.	Concepto	Observaciones
1	$\eta_{target} =$	29.1%
2	Eficiencia general (η_e) =	33.7%
3	Apto o no (Criterio: $\eta_e \geq \eta_{target}$)	Apto
4	Categoría de medición (A-D)	A
5	Categoría de eficiencia (estática o total)	Estática
6	Grado de eficiencia en punto óptimo de eficiencia energética	N =44.6
7	VSD integrado	Sí
8	Año de fabricación	Consultar placa de características
9	Nombre y lugar de fabricación	Consultar placa de características
10.1	Potencia nominal del motor (kW), con una eficiencia energética óptima	0.186kw
10.2	Caudal nominal del motor con una eficiencia energética óptima	1.37m3/s
10.3	Presión nominal del motor con una eficiencia energética óptima	40Pa
11	Revoluciones por minuto (R.P.M) en el punto de eficiencia energética óptima	800r/min
12	Relación específica	1.001
13	Información relevante para facilitar el desmontaje, el reciclaje o la eliminación al final de la vida útil	Todos los materiales pueden reciclarse
14	Información relevante para minimizar el impacto en el medio ambiente y garantizar una vida útil óptima en cuanto a la instalación, uso y mantenimiento del ventilador	Para la instalación, se debe mantener un espacio libre de 500 mm desde la entrada
15	Descripción de los elementos adicionales utilizados al determinar la eficiencia energética del ventilador, como los conductos, que no se describen en la categoría de medición y no se suministran con el ventilador.	Medida categoría A, el ventilador está libre de condiciones de entrada y salida
16	Fabricante del motor	GUANGDONG WELLING MOTOR MANUFACTURING CO.,LTD.

Información ErP

Tipo ventilador	Ventilador axial		
Directiva (o norma) de regulación		Directiva ErP 2009/125/EC REGULACIÓN COMISIÓN (EU) No 327/2011	
Modelo	WZDK170-38G-1	Rev.	
Preparado por			

Especificaciones del ventilador

No.	Concepto	Observaciones
1	$\eta_{target} =$	29.0%
2	Eficiencia general (η_e) =	34.6%
3	Apto o no (Criterio: $\eta_e \geq \eta_{target}$)	Apto
4	Categoría de medición (A-D)	A
5	Categoría de eficiencia (estática o total)	Estática
6	Grado de eficiencia en punto óptimo de eficiencia energética	N =4.57
7	VSD integrado	Sí
8	Año de fabricación	Consultar placa de características
9	Nombre y lugar de fabricación	Consultar placa de características
10.1	Potencia nominal del motor (kW), con una eficiencia energética óptima	0.180kw
10.2	Caudal nominal del motor con una eficiencia energética óptima	1.378m3/s
10.3	Presión nominal del motor con una eficiencia energética óptima	40Pa
11	Revoluciones por minuto (R.P.M) en el punto de eficiencia energética óptima	800r/min
12	Relación específica	1.001
13	Información relevante para facilitar el desmontaje, el reciclaje o la eliminación al final de la vida útil	Todos los materiales pueden reciclarse
14	Información relevante para minimizar el impacto en el medio ambiente y garantizar una vida útil óptima en cuanto a la instalación, uso y mantenimiento del ventilador	Para la instalación, se debe mantener un espacio libre de 500 mm desde la entrada
15	Descripción de los elementos adicionales utilizados al determinar la eficiencia energética del ventilador, como los conductos, que no se describen en la categoría de medición y no se suministran con el ventilador.	Medida categoría A, el ventilador está libre de condiciones de entrada y salida
16	Fabricante del motor	Panasonic Motor (HangZhou) CO.,LTD

Product fiche

Energy labelling regulation: (EU)811/2013
Ecodesign regulation: (EU)813/2013

Heat pump combination heater										
	Outdoor		AURUM4VA		AURUM6VA		AURUM8VA		AURUM10VA	
	Indoor		AURUM4-10D190	AURUM4-10D240	AURUM4-10D190	AURUM4-10D240	AURUM4-10D190	AURUM4-10D240	AURUM4-10D190	AURUM4-10D240
Indoor unit sound power(*)		dB	38	38	38	38	40	40	40	40
Outdoor unit sound power(*)		dB	56	56	58	58	59	59	60	60
Water heating	Declared load profile	-	L	XL	L	XL	L	XL	L	L
	Energy efficiency class	-	A+	A+	A+	A+	A+	A+	A+	A+
Space heating	Energy efficiency class at 55 °C (High temp. app.)	-	A++	A++	A++	A++	A++	A++	A++	A++
Average climate										
Water heating	Water heating energy efficiency (η _{wh})	[%]	127	136	127	136	125	137	125	125
	Annual electricity consumption (AEC)	[kWh]	801	1229	801	1229	820	1218	820	820
Space heating	P _{rated} (declared heating capacity)@-10 °C	[kW]	4.4	4.4	5.7	5.7	6.6	6.6	7.7	7.7
	Seasonal space heating efficiency(η _h)	[%]	129.5	129.5	137.9	137.9	131.5	131.5	136.6	136.6
	Annual energy consumption	[kWh]	2744	2744	3345	3345	4056	4056	4539	4539
Off-peak operation function integrated in heat pump		Y/N	Y	Y	Y	Y	Y	Y	Y	Y
	Colder climate									
Water heating	Water heating energy efficiency (η _{wh})	[%]	102	107	102	107	107	111	107	107
	Annual energy consumption	[kWh]	998	1561	998	1561	950	1508	950	950
Space heating	P _{rated} (declared heating capacity)@-22 °C	[kW]	3.36	3.36	4.26	4.26	5.77	5.77	6.71	6.71
	Seasonal space heating efficiency(η _h)	[%]	102.1	102.1	111.1	111.1	112.0	112.0	116.4	116.4
	Annual energy consumption	[kWh]	3159	3159	3681	3681	4950	4950	5540	5540
Warmer climate										
Water heating	Water heating energy efficiency (η _{wh})	[%]	157	174	157	174	151	171	151	151
	Annual energy consumption	[kWh]	649	963	649	963	675	977	675	675
Space heating	P _{rated} (declared heating capacity)@2 °C	[kW]	5.01	5.01	5.14	5.14	8.37	8.37	8.63	8.63
	Seasonal space heating efficiency(η _h)	[%]	162.4	162.4	164.7	164.7	176.9	176.9	180.3	180.3
	Annual energy consumption	[kWh]	1621	1621	1640	1640	2485	2485	2516	2516
Ecodesign technical data										
Product description	Air-to-water heat pump	Y/N	Y	Y	Y	Y	Y	Y	Y	Y
	Water-to-water heat pump	Y/N	N	N	N	N	N	N	N	N
	Brine-to-water heat pump	Y/N	N	N	N	N	N	N	N	N
	Low-temperature heat pump	Y/N	N	N	N	N	N	N	N	N
	Equipped with a supplementary heater	Y/N	Y	Y	Y	Y	Y	Y	Y	Y
	Heat pump combination heater	Y/N	Y	Y	Y	Y	Y	Y	Y	Y
Air-to-water unit	Rated airflow (outdoor)	[m³/h]	2770	2770	2770	2770	4030	4030	4030	4030
Brine/water-to-water heat pump	Rated brine/water flow (outdoor H/E)	[m³/h]	-	-	-	-	-	-	-	-

Heat pump combination heater									
	Outdoor	AURUM10VA	AURUM12VA	AURUM12YA	AURUM14VA	AURUM12YA	AURUM16VA	AURUM16YA	
	Indoor	AURUM4-10D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	
Indoor unit sound power(*)	dB	40	42	42	44	44	44	44	
Outdoor unit sound power(*)	dB	60	64	64	65	65	68	68	
Water heating	-	XL	XL	XL	XL	XL	XL	XL	
Energy efficiency class	-	A+	A+	A+	A+	A+	A+	A+	
Space heating	-	A++	A++	A++	A++	A++	A++	A++	
Average climate									
Water heating		137	123	123	123	123	123	123	
		1218	1360	1360	1360	1360	1360	1360	
		7.7	11.6	11.6	12.1	12.1	13.0	13.0	
Space heating		136.6	135.1	135.1	135.6	135.6	133.3	133.2	
		4539	6927	6928	7202	7203	7895	7896	
Off-peak operation function integrated in heat pump		Y	Y	Y	Y	Y	Y	Y	
Colder climate									
Water heating		111	92	92	92	92	92	92	
		1508	1822	1822	1822	1822	1822	1822	
		6.71	10.31	10.3	10.96	11	11.8	11.8	
Space heating		116.4	117.8	117.7	118.9	118.9	121.8	121.8	
		5540	8419	8420	8866	8867	9309	9310	
Warmer climate									
Water heating		171	153	153	153	153	153	153	
		977	1088	1088	1088	1088	1088	1088	
		8.63	12.5	12.5	14.17	14.17	14.17	14.17	
Space heating		180.3	174.0	173.8	174.9	174.7	176.0	175.8	
		2516	3776	3780	4258	4262	4231	4236	
Ecodesign technical data									
Product description	Air-to-water heat pump	Y	Y	Y	Y	Y	Y	Y	
	Water-to-water heat pump	N	N	N	N	N	N	N	
	Brine-to-water heat pump	N	N	N	N	N	N	N	
	Low-temperature heat pump	N	N	N	N	N	N	N	
	Equipped with a supplementary heater	Y	Y	Y	Y	Y	Y	Y	
Air-to-water unit	Heat pump combination heater	Y	Y	Y	Y	Y	Y	Y	
	Rated airflow (outdoor)	4030	4060	4060	4060	4060	4650	4650	
Brine/water-to-water heat pump	Rated brine/water flow (outdoor H/E)	-	-	-	-	-	-	-	

Heat pump combination heater		Outdoor	AURUM4VA	AURUM4VA	AURUM6VA	AURUM6VA	AURUM8VA	AURUM8VA	AURUM10VA
		Indoor	AURUM4-10D190	AURUM4-10D240	AURUM4-10D190	AURUM4-10D240	AURUM4-10D190	AURUM4-10D240	AURUM4-10D190
Other	Capacity control	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	P _{off} (Power consumption Off mode)	[kW]	0.014	0.014	0.014	0.014	0.014	0.014	0.014
	P _b (Power consumption Thermostat off mode)	[kW]	0.024	0.024	0.024	0.024	0.024	0.024	0.024
	P _{sb} (Power consumption standby mode)	[kW]	0.014	0.014	0.014	0.014	0.014	0.014	0.014
	P _{ck} (Power crankcase heater model)	[kW]	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Q _{elec} (Daily electricity consumption)	[kWh]	3.66	5.71	3.66	5.71	3.78	5.67	3.78
	Q _{fuel} (Daily fuel consumption)	[kWh]	-	-	-	-	-	-	-
Part load conditions space heating average climate									
(A) condition (-7°C)	P _{ah} (declared heating capacity)	[kW]	3.89	3.89	5.04	5.04	5.84	5.84	6.78
	COP _d (declared COP)	-	2.17	2.17	2.17	2.17	2.16	2.16	2.24
	Cdh (degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(B) condition (2°C)	P _{ah} (declared heating capacity)	[kW]	2.38	2.38	3.12	3.12	3.76	3.76	4.28
	COP _d (declared COP)	-	3.30	3.30	3.51	3.51	3.30	3.30	3.42
	Cdh (degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(C) condition (7°C)	P _{ah} (declared heating capacity)	[kW]	2.94	2.94	2.08	2.08	2.43	2.43	2.77
	COP _d (declared COP)	-	4.41	4.41	4.54	4.54	4.34	4.34	4.52
	Cdh (degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(D) condition (12°C)	P _{ah} (declared heating capacity)	[kW]	1.32	1.32	1.28	1.28	1.39	1.39	1.58
	COP _d (declared COP)	-	5.66	5.66	5.59	5.59	5.33	5.33	5.68
	Cdh (degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(E) Tol (Temperature Operating Limit)	Tol (Temperature Operating Limit)	[°C]	-10	-10	-10	-10	-10	-10	-10
	P _{ah} (declared heating capacity)	[kW]	3.42	3.42	4.52	4.52	4.91	4.91	5.38
	COP _d (declared COP)	-	1.91	1.91	1.91	1.91	1.84	1.84	1.83
(F) Trivalent Temperature	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65	65	65
	T _{bw}	[°C]	-7	-7	-7	-7	-7	-7	-7
	P _{ah} (declared heating capacity)	[kW]	3.89	3.89	5.04	5.04	5.84	5.84	6.78
Capacity of the back-up heater integrated in the unit	COP _d (declared COP)	-	2.17	2.17	2.17	2.17	2.16	2.16	2.24
	P _{sup} back-up heater (@ Tdesign: -10°C)	[kW]	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9
	P _{sup} (@ Tdesign: -10°C)	[kW]	0.98	0.98	1.18	1.18	1.69	1.69	2.28

Heat pump combination heater														
		Outdoor	AURUM10VA	AURUM12VA	AURUM12VA	AURUM14VA	AURUM14YA	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	AURUM16VA	AURUM16YA	
		Indoor	AURUM4-10D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	
Other	Capacity control	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	P _{off} (Power consumption Off mode)	[kW]	0.014	0.014	0.020	0.020	0.014	0.014	0.020	0.020	0.014	0.020	0.020	
	P _b (Power consumption Thermostat off mode)	[kW]	0.024	0.024	0.030	0.030	0.024	0.024	0.030	0.030	0.024	0.030	0.030	
	P _{sb} (Power consumption standby mode)	[kW]	0.014	0.014	0.020	0.020	0.014	0.014	0.020	0.020	0.014	0.020	0.020	
	P _{CK} (Power crankcase heater model)	[kW]	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
	Q _{elec} (Daily electricity consumption)	[kWh]	5.67	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	
	Q _{fuel} (Daily fuel consumption)	[kWh]	-	-	-	-	-	-	-	-	-	-	-	
Part load conditions space heating average climate														
(A) condition (-7℃)	P _{th} (declared heating capacity)	[kW]	6.78	10.24	10.24	10.68	10.68	10.68	10.68	10.68	11.52	11.52	11.52	
	COP _d (declared COP)	-	2.24	2.01	2.01	2.01	2.01	2.01	2.01	2.01	1.99	1.99	1.99	
	C _{dh} (declaradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	
(B) condition (2℃)	P _{th} (declared heating capacity)	[kW]	4.28	6.52	6.52	6.86	6.86	6.86	6.86	6.86	7.18	7.18	7.18	
	COP _d (declared COP)	-	3.42	3.44	3.44	3.43	3.43	3.43	3.43	3.43	3.34	3.34	3.34	
	C _{dh} (declaradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	
(C) condition (7℃)	P _{th} (declared heating capacity)	[kW]	2.77	4.36	4.36	4.63	4.63	4.63	4.63	4.63	4.67	4.67	4.67	
	COP _d (declared COP)	-	4.52	4.59	4.59	4.66	4.66	4.66	4.66	4.66	4.61	4.61	4.61	
	C _{dh} (declaradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	
(D) condition (12℃)	P _{th} (declared heating capacity)	[kW]	1.58	3.29	3.29	3.31	3.31	3.31	3.31	3.31	3.32	3.32	3.32	
	COP _d (declared COP)	-	5.68	6.05	6.05	6.13	6.13	6.13	6.13	6.13	6.07	6.07	6.07	
	C _{dh} (declaradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	
(E) Tol (Temperature Operating Limit)	T _{ol} (Temperature Operating Limit)	[℃]	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	
	P _{th} (declared heating capacity)	[kW]	5.38	9.1	9.1	9.19	9.19	9.19	9.19	9.19	10.33	10.33	10.33	
	COP _d (declared COP)	-	1.83	1.79	1.79	1.76	1.76	1.76	1.76	1.76	1.80	1.80	1.80	
(F) Tbovalent Temperature	WTOL(Heating water Operation Limit)	[℃]	65	65	65	65	65	65	65	65	65	65	65	
	T _{bw}	[℃]	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	
	P _{th} (declared heating capacity)	[kW]	6.78	10.27	10.27	10.68	10.68	10.68	10.68	10.68	11.52	11.52	11.52	
Capacity of the back-up heater integrated in the unit	COP _d (declared COP)	-	2.24	2.01	2.01	2.01	2.01	2.01	2.01	2.01	1.99	1.99	1.99	
	P _{sbp} back-up heater (@ Tdesignh: -10℃)	[kW]	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9	
	P _{sbp} (@ Tdesignh: -10℃)	[kW]	2.28	2.5	2.5	2.91	2.91	2.91	2.91	2.91	2.67	2.67	2.67	

Indoor unit type explanation:

1.AURUM4-10D190 includes the following type:

AURUM4-10D190 + 3kW: 190L tank with 3kW back-up heater and 1-Phase Source.
AURUM4-10D190 + 6kW: 190L tank with 6kW back-up heater and 1-Phase Source.
AURUM4-10D190 + 9kW: 190L tank with 9kW back-up heater and 3-Phase Source.

2.AURUM4-10D240 includes the following type:

AURUM4-10D240 + 3kW: 240L tank with 3kW back-up heater and 1-Phase Source.
AURUM4-10D240 + 6kW: 240L tank with 6kW back-up heater and 1-Phase Source.
AURUM4-10D240 + 9kW: 240L tank with 9kW back-up heater and 3-Phase Source.

3.AURUM12-16D240 includes the following type:

AURUM12-16D240 + 3kW: 240L tank with 3kW back-up heater and 1-Phase Source.
AURUM12-16D240 + 6kW: 240L tank with 6kW back-up heater and 1-Phase Source.
AURUM12-16D240 + 9kW: 240L tank with 9kW back-up heater and 3-Phase Source.

Note:

Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.

(*)Sound power in heating mode, measured according to the EN 12102 under conditions of the EN 14825.

This data is for comparison of Energy efficiencies according to Energy label directive 2010/30/EU, for correct selection of products for your application, contact your dealer.
Depending on your application and the product selected an additional supplementary heater may have to be installed.

Heat pump space heating		For medium - temperature application											
Outdoor unit	Indoor unit	Energy efficiency class	Indoor unit sound power	Outdoor unit sound power	average climate			colder climate			warmer climate		
					Rated heat output	Seasonal space heating energy efficiency	For space heating, annual energy consumption	Rated heat output	Seasonal space heating energy efficiency	For space heating, annual energy consumption	Rated heat output	Seasonal space heating energy efficiency	For space heating, annual energy consumption
		-	dB	dB	kW	%	kWh	kW	%	kWh	kW	%	kWh
AURUM4VA	AURUM4-6HIDRO	A++	38	56	4.4	129.5	2744	3.4	102.1	3158	5.0	163.1	1614
	AURUM4-10D190	A++	38	56	4.4	129.5	2744	3.4	102.1	3158	5.0	163.1	1614
	AURUM4-10D240	A++	38	56	4.4	129.5	2744	3.4	102.1	3158	5.0	163.1	1614
AURUM6VA	AURUM4-6HIDRO	A++	38	58	5.7	137.9	3345	4.3	111.1	3680	5.1	165.4	1634
	AURUM4-10D190	A++	38	58	5.7	137.9	3345	4.3	111.1	3680	5.1	165.4	1634
	AURUM4-10D240	A++	38	58	5.7	137.9	3345	4.3	111.1	3680	5.1	165.4	1634
AURUM8VA	AURUM8-10HIDRO	A++	42	59	6.6	131.5	4056	5.8	112.1	4948	8.37	176.9	2485
	AURUM4-10D190	A++	40	59	6.6	131.5	4056	5.8	112.1	4948	8.37	176.9	2485
	AURUM4-10D240	A++	40	59	6.6	131.5	4056	5.8	112.1	4948	8.37	176.9	2485
AURUM10VA	AURUM8-10HIDRO	A++	42	60	7.7	136.6	4539	6.7	116.5	5539	8.6	180.3	2496
	AURUM4-10D190	A++	40	60	7.7	136.6	4539	6.7	116.5	5539	8.6	180.3	2496
	AURUM4-10D240	A++	40	60	7.7	136.6	4539	6.7	116.5	5539	8.6	180.3	2496
AURUM12VA	AURUM12-16HIDRO	A++	43	64	11.6	135.1	6927	10.3	117.8	8419	12.5	174.0	3776
	AURUM12-16D240	A++	42	64	11.6	135.1	6927	10.3	117.8	8419	12.5	174.0	3776
AURUM12YA	AURUM12-16HIDRO	A++	43	64	11.6	135.1	6928	10.3	117.7	8420	12.5	173.8	3780
	AURUM12-16D240	A++	42	64	11.6	135.1	6928	10.3	117.7	8420	12.5	173.8	3780
AURUM14VA	AURUM12-16HIDRO	A++	43	65	12.1	135.6	7202	11.0	118.9	8866	14.17	174.9	4258
	AURUM12-16D240	A++	44	65	12.1	135.6	7202	11.0	118.9	8866	14.17	174.9	4258
AURUM14YA	AURUM12-16HIDRO	A++	43	65	12.1	135.6	7203	11.0	118.9	8867	14.17	174.7	4262
	AURUM12-16D240	A++	44	65	12.1	135.6	7203	11.0	118.9	8867	14.17	174.7	4262
AURUM16VA	AURUM12-16HIDRO	A++	43	68	13.0	133.3	7895	11.8	121.8	9309	14.17	176.0	4231
	AURUM12-16D240	A++	44	68	13.0	133.3	7895	11.8	121.8	9309	14.17	176.0	4231
AURUM16YA	AURUM12-16HIDRO	A++	43	68	13.0	133.2	7896	11.8	121.8	9310	14.17	175.8	4236
	AURUM12-16D240	A++	44	68	13.0	133.2	7896	11.8	121.8	9310	14.17	175.8	4236

Heat pump space heating		For low - temperature application											
Outdoor unit	Indoor unit	Energy efficiency class	Indoor unit sound power	Outdoor unit sound power	average climate			colder climate			warmer climate		
					Rated heat output	Seasonal space heating energy efficiency	For space heating, annual energy consumption	Rated heat output	Seasonal space heating energy efficiency	For space heating, annual energy consumption	Rated heat output	Seasonal space heating energy efficiency	For space heating, annual energy consumption
		-	dB	dB	kW	%	kWh	kW	%	kWh	kW	%	kWh
AURUM4VA	AURUM4-6HIDRO	A+++	38	56	5.5	191.0	2351	4.6	159.5	2769	5.5	255.4	1146
	AURUM4-10D190	A+++	38	56	5.5	191.0	2351	4.6	159.5	2769	5.5	255.4	1146
	AURUM4-10D240	A+++	38	56	5.5	191.0	2351	4.6	159.5	2769	5.5	255.4	1146
	AURUM4-6HIDRO	A+++	38	58	6.8	195.0	2845	5.6	165.3	3300	6.1	259.8	1244
AURUM6VA	AURUM4-10D190	A+++	38	58	6.8	195.0	2845	5.6	165.3	3300	6.1	259.8	1244
	AURUM4-10D240	A+++	38	58	6.8	195.0	2845	5.6	165.3	3300	6.1	259.8	1244
	AURUM8-10HIDRO	A+++	42	59	8.1	205.6	3218	7.0	170.0	3976	8.1	276.6	1551
	AURUM4-10D190	A+++	40	59	8.1	205.6	3218	7.0	170.0	3976	8.1	276.6	1551
AURUM8VA	AURUM4-10D240	A+++	40	59	8.1	205.6	3218	7.0	170.0	3976	8.1	276.6	1551
	AURUM8-10HIDRO	A+++	42	60	9.2	204.8	3644	7.7	169.8	4423	8.6	280.5	1617
	AURUM4-10D190	A+++	40	60	9.2	204.8	3644	7.7	169.8	4423	8.6	280.5	1617
	AURUM4-10D240	A+++	40	60	9.2	204.8	3644	7.7	169.8	4423	8.6	280.5	1617
AURUM12VA	AURUM12-16HIDRO	A+++	43	64	12.0	189.4	5152	11.4	160.2	6870	11.1	256.1	2292
	AURUM12-16D240	A+++	42	64	12.0	189.4	5152	11.4	160.2	6870	11.1	256.1	2292
AURUM12YA	AURUM12-16HIDRO	A+++	43	64	12.0	189.3	5153	11.4	160.2	6871	11.1	255.6	2296
	AURUM12-16D240	A+++	42	64	12.0	189.3	5153	11.4	160.2	6871	11.1	255.6	2296
AURUM14VA	AURUM12-16HIDRO	A+++	43	65	13.7	185.7	6012	12.6	159.6	7667	12.1	260.3	2457
	AURUM12-16D240	A+++	44	65	13.7	185.7	6012	12.6	159.6	7667	12.1	260.3	2457
AURUM14YA	AURUM12-16HIDRO	A+++	43	65	13.7	185.6	6013	12.6	159.6	7667	12.1	259.8	2462
	AURUM12-16D240	A+++	44	65	13.7	185.6	6013	12.6	159.6	7667	12.1	259.8	2462
AURUM16VA	AURUM12-16HIDRO	A+++	43	68	15.2	181.7	6804	13.7	157.8	8431	13.1	248.5	2781
	AURUM12-16D240	A+++	44	68	15.2	181.7	6804	13.7	157.8	8431	13.1	248.5	2781
AURUM16YA	AURUM12-16HIDRO	A+++	43	68	15.2	181.6	6805	13.7	157.8	8431	13.1	248.1	2786
	AURUM12-16D240	A+++	44	68	15.2	181.6	6805	13.7	157.8	8431	13.1	248.1	2786

Product fiche 1

Heat pump space heating												
Indoor unit sound power (*)		Outdoor	AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA					
Outdoor unit sound power (*)	Average climate low temperature application		56	58	59	60	64					
	Average climate medium temperature application		56	58	59	60	64					
Capacity of the back-up heater integrated in the unit	Psup back-up heater (optional)	[kW]	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9					
Space heating	Energy efficiency class 35°C (Low temp. app.)	-	A+++	A+++	A+++	A+++	A+++					
Space heating	Energy efficiency class 55°C (Medium temp. app.)	-	A++	A++	A++	A++	A++					
Average climate (Design temperature = -10°C)												
Space heating 35°C	Prated (declared heating capacity) @ -10°C	[kW]	5.5	6.8	8.1	9.2	12.0					
	Seasonal space heating efficiency (ns)	[%]	191.0	195.0	205.6	204.8	189.4					
	Annual energy consumption	[kWh]	2,351	2,845	3,218	3,644	5,152					
Space heating 55°C	Prated (declared heating capacity) @ -10°C	[kW]	4.4	5.7	6.6	7.7	11.6					
	Seasonal space heating efficiency (ns)	[%]	129.5	137.9	131.5	136.6	135.1					
	Annual energy consumption	[kWh]	2,744	3,345	4,056	4,539	6,927					
Part load conditions space heating average climate low temperature application												
(A) condition (-7°C)	Pdh (declared heating capacity)	[kW]	4.88	6.03	7.18	8.10	10.61					
	COPd (declared COP)	-	3.19	3.09	3.35	3.23	2.88					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	3.05	3.88	4.65	5.18	6.69					
	COPd (declared COP)	-	4.78	4.85	5.09	5.01	4.65					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	1.93	2.39	2.90	3.32	4.44					
	COPd (declared COP)	-	6.13	6.63	6.82	7.08	6.62					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	1.48	1.39	1.63	1.65	3.74					
	COPd (declared COP)	-	8.05	7.93	8.35	8.58	8.47					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	-10.00	-10.00	-10.00	-10.00	-10.00					
	Pdh (declared heating capacity)	[kW]	4.41	5.36	6.44	7.40	10.74					
	COPd (declared COP)	-	2.86	2.76	3.04	2.96	2.77					
	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65					

Note :

a) represents the hydraulic module series ;

b) represents the m-thermal tank series ;

Product fiche 1

Heat pump space heating													
		Outdoor	AURUM14VA	AURUM16VA	AURUM12YA	AURUM14YA	AURUM16YA						
		Indoor	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240						
Indoor unit sound power (*)		dB	43 ^{a)} /44 ^{b)}	43 ^{a)} /44 ^{b)}	43 ^{a)} /42 ^{b)}	43 ^{a)} /44 ^{b)}	43 ^{a)} /44 ^{b)}						
	Average climate low temperature application	dB	65	68	64	65	68						
Outdoor unit sound power (*)	Average climate medium temperature application	dB	65	68	64	65	68						
Capacity of the back-up heater integrated in the unit	Psup back-up heater (optional)	[kW]	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9						
Space heating	Energy efficiency class 35°C (Low temp. app.)	-	A+++	A+++	A+++	A+++	A+++						
Space heating	Energy efficiency class 55°C (Medium temp. app.)	-	A++	A++	A++	A++	A++						
Average climate (Design temperature = -10°C)													
Space heating 35°C	Prated (declared heating capacity) @ -10°C	[kW]	13.7	15.2	12.0	13.7	15.2						
	Seasonal space heating efficiency (ηs)	[%]	185.7	181.7	189.3	185.6	181.6						
	Annual energy consumption	[kWh]	6,012	6,804	5,153	6,013	6,805						
Space heating 55°C	Prated (declared heating capacity) @ -10°C	[kW]	12.1	13.0	11.6	12.1	13.0						
	Seasonal space heating efficiency (ηs)	[%]	135.6	133.3	135.1	135.6	133.2						
	Annual energy consumption	[kWh]	7,202	7,895	6,928	7,203	7,896						
Part load conditions space heating average climate low temperature application													
(A) condition (-7°C)	Pdh (declared heating capacity)	[kW]	12.14	13.45	10.61	12.14	13.45						
	COPd (declared COP)	-	2.79	2.72	2.88	2.79	2.72						
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90						
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	7.94	8.56	6.69	7.94	8.56						
	COPd (declared COP)	-	4.52	4.41	4.65	4.52	4.41						
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90						
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	5.20	5.70	4.44	5.20	5.70						
	COPd (declared COP)	-	6.68	6.56	6.62	6.68	6.56						
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90						
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	3.75	3.78	3.74	3.75	3.78						
	COPd (declared COP)	-	8.52	8.51	8.47	8.52	8.51						
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90						
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	-10.00	-10.00	-10.00	-10.00	-10.00						
	Pdh (declared heating capacity)	[kW]	11.47	12.52	10.74	11.47	12.52						
	COPd (declared COP)	-	2.59	2.48	2.77	2.59	2.48						
	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65						

Note :
a) represents the hydraulic module series ;
b) represents the m-thermal tank series ;

Product fiche 2

Heat pump space heating									
		Outdoor	AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA		
(F) Tbivalent temperature		Indoor	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM12-16HIDRO AURUM12-16D240		
	Tbiv	[°C]	-7.00	-7.00	-7.00	-7.00	-7.00		
	Pdh (declared heating capacity)	[kW]	4.88	6.03	7.18	8.10	10.61		
	COPd (declared COP)	-	3.19	3.09	3.35	3.23	2.88		
Supplementary capacity at P_design		[kW]	1.11	1.45	1.68	1.76	1.26		
Part load conditions space heating average climate medium temperature application									
(A) condition (-7°C)	Pdh (declared heating capacity)	[kW]	3.89	5.04	5.84	6.78	10.24		
	COPd (declared COP)	-	2.17	2.17	2.16	2.24	2.01		
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90		
	Pdh (declared heating capacity)	[kW]	2.38	3.12	3.75	4.28	6.52		
(B) condition (2°C)	COPd (declared COP)	-	3.30	3.51	3.30	3.42	3.44		
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90		
	Pdh (declared heating capacity)	[kW]	2.94	2.08	2.42	2.77	4.36		
	COPd (declared COP)	-	4.41	4.54	4.34	4.52	4.59		
(C) condition (7°C)	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90		
	Pdh (declared heating capacity)	[kW]	1.32	1.28	1.39	1.58	3.29		
	COPd (declared COP)	-	5.66	5.59	5.33	5.68	6.05		
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90		
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	-10.00	-10.00	-10.00	-10.00	-10.00		
	Pdh (declared heating capacity)	[kW]	3.42	4.52	4.90	5.38	9.10		
	COPd (declared COP)	-	1.91	1.91	1.84	1.83	1.79		
	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65		
(F) Tbivalent temperature	Tbiv	[°C]	-7.00	-7.00	-7.00	-7.00	-7.00		
	Pdh (declared heating capacity)	[kW]	3.89	5.04	5.84	6.78	10.24		
	COPd (declared COP)	-	2.17	2.17	2.16	2.24	2.01		
	Psup (@Tdesignh: -10°C)	[kW]	0.98	1.18	1.69	2.28	2.50		
Colder climate (Design temperature = -22°C)									
Space heating 35°C	Prated (declared heating capacity) @ -22°C	[kW]	4.6	5.6	7.0	7.7	11.4		
	Seasonal space heating efficiency (ns)	[%]	159.5	165.3	170.0	169.8	160.2		
	Annual energy consumption	[kWh]	2,769	3,300	3,976	4,423	6,870		

Product fiche 2

Heat pump space heating												
							Outdoor	AURUM14VA	AURUM16VA	AURUM12YA	AURUM14YA	AURUM16YA
							Indoor	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240
(F) TbiValent temperature	Tbiv						[°C]	-7.00	-7.00	-7.00	-7.00	-7.00
	Pdh (declared heating capacity)						[kW]	12.14	13.45	10.61	12.14	13.45
	COPd (declared COP)						-	2.79	2.72	2.88	2.79	2.72
	Psup (@Tdesignh: -10°C)						[kW]	2.23	2.68	1.26	2.23	2.68
Supplementary capacity at P_design												
Part load conditions space heating average climate medium temperature application												
(A) condition (-7°C)	Pdh (declared heating capacity)						[kW]	10.68	11.52	10.24	10.68	11.52
	COPd (declared COP)						-	2.01	1.99	2.01	2.01	1.99
	Cdh(degradation coefficient)						-	0.90	0.90	0.90	0.90	0.90
	Pdh (declared heating capacity)						[kW]	6.86	7.18	6.52	6.86	7.18
(B) condition (2°C)	COPd (declared COP)						-	3.43	3.34	3.44	3.43	3.34
	Cdh(degradation coefficient)						-	0.90	0.90	0.90	0.90	0.90
	Pdh (declared heating capacity)						[kW]	4.63	4.67	4.36	4.63	4.67
	COPd (declared COP)						-	4.66	4.61	4.59	4.66	4.61
(C) condition (7°C)	Cdh(degradation coefficient)						-	0.90	0.90	0.90	0.90	0.90
	Pdh (declared heating capacity)						[kW]	3.31	3.31	3.29	3.31	3.31
	COPd (declared COP)						-	6.13	6.07	6.05	6.13	6.07
	Cdh(degradation coefficient)						-	0.90	0.90	0.90	0.90	0.90
(D) condition (12°C)	Tol (temperature operating limit)						[°C]	-10.00	-10.00	-10.00	-10.00	-10.00
	Pdh (declared heating capacity)						[kW]	9.19	10.33	9.10	9.19	10.33
	COPd (declared COP)						-	1.76	1.80	1.79	1.76	1.80
	WTOL (Heating water Operation Limit)						[°C]	65	65	65	65	65
(F) TbiValent temperature	Tbiv						[°C]	-7.00	-7.00	-7.00	-7.00	-7.00
	Pdh (declared heating capacity)						[kW]	10.68	11.52	10.24	10.68	11.52
	COPd (declared COP)						-	2.01	1.99	2.01	2.01	1.99
	Psup (@Tdesignh: -10°C)						[kW]	2.91	2.67	2.50	2.91	2.67
Supplementary capacity at P_design												
Colder climate (Design temperature = -22°C)												
Space heating 35°C	Prated (declared heating capacity) @ -22°C						[kW]	12.6	13.7	11.4	12.6	13.7
	Seasonal space heating efficiency (ηs)						[%]	159.6	157.8	160.2	159.6	157.8
	Annual energy consumption						[kWh]	7,667	8,431	6,871	7,667	8,431

Product fiche 3

Heat pump space heating												
		Outdoor	AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA					
Space heating 55°C		Indoor	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM12-16HIDRO AURUM12-16D240					
	Prated (declared heating capacity) @ -22°C	[kW]	3.4	4.3	5.8	6.7	10.3					
	Seasonal space heating efficiency (ηs)	[%]	102.1	111.1	112.0	116.4	117.8					
	Annual energy consumption	[kW/h]	3,159	3,681	4,950	5,540	8,419					
Part load conditions space heating colder climate low temperature application												
(A) condition (-7°C)	Pdh (declared heating capacity)	[kW]	2.75	3.42	4.46	4.83	7.05					
	COPd (declared COP)	-	3.49	3.59	3.66	3.60	3.48					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	1.77	2.06	2.69	2.94	4.67					
	COPd (declared COP)	-	4.95	5.21	5.20	5.26	4.96					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	1.17	1.46	1.65	1.92	3.14					
	COPd (declared COP)	-	5.53	6.24	6.53	7.08	6.10					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	1.43	1.44	1.65	1.65	3.57					
	COPd (declared COP)	-	7.67	7.66	7.96	7.96	7.87					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	-22.00	-22.00	-22.00	-22.00	-22.00					
	Pdh (declared heating capacity)	[kW]	2.80	3.48	4.06	4.62	7.01					
	COPd (declared COP)	-	1.97	1.96	1.95	1.97	1.98					
(F) TbiValent temperature	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65					
	Tbiv	[°C]	-15.00	-15.00	-15.00	-15.00	-15.00					
	Pdh (declared heating capacity)	[kW]	3.72	4.59	5.69	6.32	9.28					
Supplementary capacity at P_design	COPd (declared COP)	-	2.57	2.53	2.83	2.64	2.59					
	Psup (@Tdesignh: -22°C)	[kW]	1.76	2.15	2.91	3.08	4.40					
	Part load conditions space heating colder climate medium temperature application											
(A) condition (-7°C)	Pdh (declared heating capacity)	[kW]	2.13	2.70	3.86	4.27	6.63					
	COPd (declared COP)	-	2.32	2.46	2.48	2.54	2.63					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					

Product fiche 3

Heat pump space heating												
							Outdoor	AURUM14VA	AURUM16VA	AURUM12YA	AURUM14YA	AURUM16YA
							Indoor	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240
Space heating 55°C	Prated (declared heating capacity) @ -22°C						[kW]	11.0	11.8	10.3	11.0	11.8
	Seasonal space heating efficiency (ηs)						[%]	118.9	121.8	117.7	118.9	121.8
	Annual energy consumption						[kWh]	8,866	9,309	8,420	8,867	9,310
Part load conditions space heating colder climate low temperature application												
(A) condition (-7°C)	Pdh (declared heating capacity)						[kW]	7.96	8.31	7.05	7.96	8.31
	COPd (declared COP)						-	3.44	3.37	3.48	3.44	3.37
	Cdh(degradation coefficient)						-	0.90	0.90	0.90	0.90	0.90
(B) condition (2°C)	Pdh (declared heating capacity)						[kW]	5.05	5.26	4.67	5.05	5.26
	COPd (declared COP)						-	4.92	4.86	4.96	4.92	4.86
	Cdh(degradation coefficient)						-	0.90	0.90	0.90	0.90	0.90
(C) condition (7°C)	Pdh (declared heating capacity)						[kW]	3.15	3.62	3.14	3.15	3.62
	COPd (declared COP)						-	6.11	6.49	6.10	6.11	6.49
	Cdh(degradation coefficient)						-	0.90	0.90	0.90	0.90	0.90
(D) condition (12°C)	Pdh (declared heating capacity)						[kW]	3.57	3.34	3.57	3.57	3.34
	COPd (declared COP)						-	7.82	7.40	7.87	7.82	7.40
	Cdh(degradation coefficient)						-	0.90	0.90	0.90	0.90	0.90
(E) Tol (temperature operating limit)	Tol (temperature operating limit)						[°C]	-22.00	-22.00	-22.00	-22.00	-22.00
	Pdh (declared heating capacity)						[kW]	7.57	8.88	7.01	7.57	8.88
	COPd (declared COP)						-	1.92	1.97	1.98	1.92	1.97
(F) Thivalent temperature	WTOL (Heating water Operation Limit)						[°C]	65	65	65	65	65
	Tbiv						[°C]	-15.00	-15.00	-15.00	-15.00	-15.00
	Pdh (declared heating capacity)						[kW]	10.31	11.22	9.28	10.31	11.22
Supplementary capacity at P_design	COPd (declared COP)						-	2.53	2.43	2.59	2.53	2.43
	Psup (@Tdesign: -22°C)						[kW]	5.03	4.82	4.40	5.03	4.82
	Part load conditions space heating colder climate medium temperature application											
(A) condition (-7°C)	Pdh (declared heating capacity)						[kW]	6.89	7.64	6.63	6.89	7.64
	COPd (declared COP)						-	2.66	2.65	2.63	2.66	2.65
	Cdh(degradation coefficient)						-	0.90	0.90	0.90	0.90	0.90

Product fiche 4

Heat pump space heating							Outdoor	AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA
(B) condition (2°C)	PdH (declared heating capacity)	COPd (declared COP)	CdH(degradation coefficient)	PdH (declared heating capacity)	COPd (declared COP)	CdH(degradation coefficient)	Indoor	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM12-16HIDRO AURUM12-16D240
							[kW]	1.28	1.60	2.21	2.57	4.06
							-	2.99	3.36	3.35	3.51	3.60
							-	0.90	0.90	0.90	0.90	0.90
(C) condition (7°C)	PdH (declared heating capacity)	COPd (declared COP)	CdH(degradation coefficient)	PdH (declared heating capacity)	COPd (declared COP)	CdH(degradation coefficient)	[kW]	1.01	1.02	1.44	1.65	2.78
							-	3.86	3.94	4.11	4.37	4.54
							-	0.90	0.90	0.90	0.90	0.90
							[kW]	1.36	1.37	1.46	1.47	3.33
(D) condition (12°C)	PdH (declared heating capacity)	COPd (declared COP)	CdH(degradation coefficient)	PdH (declared heating capacity)	COPd (declared COP)	CdH(degradation coefficient)	-	6.28	6.35	5.92	5.96	6.25
							-	0.90	0.90	0.90	0.90	0.90
							[°C]	-22.00	-22.00	-22.00	-22.00	-22.00
							[kW]	1.64	2.09	2.80	2.80	4.19
(E) Tol (temperature operating limit)	PdH (declared heating capacity)	COPd (declared COP)	WTOL (Heating water Operation Limit)	PdH (declared heating capacity)	COPd (declared COP)	WTOL (Heating water Operation Limit)	-	1.02	1.13	1.22	1.22	1.13
							[°C]	65	65	65	65	65
							[°C]	-15.00	-15.00	-15.00	-15.00	-15.00
							[kW]	2.74	3.47	4.71	5.47	8.41
(F) TbiValent temperature	PdH (declared heating capacity)	COPd (declared COP)	Psup (@ Tdesign: -22°C)	PdH (declared heating capacity)	COPd (declared COP)	Psup (@ Tdesign: -22°C)	-	1.74	1.86	1.90	2.00	1.84
							[kW]	1.72	2.17	2.97	3.91	6.12
							Warmer climate (Design temperature = 2°C)					
							[kW]	5.5	6.1	8.1	8.6	11.1
Space heating 35°C	Prated (declared heating capacity) @ 2°C	Seasonal space heating efficiency (ηs)	Annual energy consumption	Prated (declared heating capacity) @ 2°C	Seasonal space heating efficiency (ηs)	Annual energy consumption	[kW]	255.4	259.8	276.6	280.5	256.1
							[kWh]	1,146	1,244	1,551	1,617	2,292
							[kW]	5.0	5.1	8.37	8.6	12.5
							[%]	162.4	164.7	176.9	180.3	174.0
Space heating 55°C	Prated (declared heating capacity) @ 2°C	Seasonal space heating efficiency (ηs)	Annual energy consumption	Prated (declared heating capacity) @ 2°C	Seasonal space heating efficiency (ηs)	Annual energy consumption	[kWh]	1,621	1,640	2,485	2,516	3,776
							Part load conditions space heating warmer climate low temperature application					
							[kW]	5.34	5.93	7.56	8.44	11.10
							-	3.94	3.91	3.98	3.84	3.59
(B) condition (2°C)	PdH (declared heating capacity)	COPd (declared COP)	CdH(degradation coefficient)	PdH (declared heating capacity)	COPd (declared COP)	CdH(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
							[kW]	3.56	3.93	5.22	5.52	7.14
							-	5.92	5.89	6.26	6.18	5.87
							-	0.90	0.90	0.90	0.90	0.90
(C) condition (7°C)	PdH (declared heating capacity)	COPd (declared COP)	CdH(degradation coefficient)	PdH (declared heating capacity)	COPd (declared COP)	CdH(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
							-	0.90	0.90	0.90	0.90	0.90
							-	0.90	0.90	0.90	0.90	0.90
							-	0.90	0.90	0.90	0.90	0.90

Product fiche 4

Heat pump space heating							
		Outdoor	AURUM14VA	AURUM16VA	AURUM12YA	AURUM14YA	AURUM16YA
		Indoor	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	4.32	4.42	4.06	4.32	4.42
	COPd (declared COP)	-	3.66	3.79	3.60	3.66	3.79
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
	Pdh (declared heating capacity)	[kW]	3.06	2.97	2.78	3.06	2.97
(C) condition (7°C)	COPd (declared COP)	-	4.72	4.81	4.54	4.72	4.81
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
	Pdh (declared heating capacity)	[kW]	3.33	3.43	3.33	3.33	3.43
	COPd (declared COP)	-	6.25	6.29	6.25	6.25	6.29
(D) condition (12°C)	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
	Tol (temperature operating limit)	[°C]	-22.00	-22.00	-22.00	-22.00	-22.00
	Pdh (declared heating capacity)	[kW]	4.20	5.21	4.19	4.20	5.21
	COPd (declared COP)	-	1.13	1.23	1.13	1.13	1.23
(E) Tol (temperature operating limit)	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65
	Tbiv	[°C]	-15.00	-15.00	-15.00	-15.00	-15.00
	Pdh (declared heating capacity)	[kW]	8.94	9.61	8.41	8.94	9.61
	COPd (declared COP)	-	1.79	1.86	1.84	1.79	1.86
Supplementary capacity at P_design		[kW]	6.76	6.59	6.12	6.76	6.59
Warmer climate (Design temperature = 2°C)							
Space heating 35°C	Prated (declared heating capacity) @ 2°C	[kW]	12.1	13.1	11.1	12.1	13.1
	Seasonal space heating efficiency (ns)	[%]	260.3	248.5	255.6	259.8	248.1
	Annual energy consumption	[kWh]	2,457	2,781	2,296	2,462	2,786
	Prated (declared heating capacity) @ 2°C	[kW]	14.17	14.17	12.5	14.17	14.17
Space heating 55°C	Seasonal space heating efficiency (ns)	[%]	174.9	176.0	173.8	174.7	175.8
	Annual energy consumption	[kWh]	4,258	4,231	3,780	4,231	4,236
Part load conditions space heating warmer climate low temperature application							
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	12.04	13.10	11.10	12.04	13.10
	COPd (declared COP)	-	3.44	3.35	3.59	3.44	3.35
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
	Pdh (declared heating capacity)	[kW]	7.78	8.41	7.14	7.78	8.41
(C) condition (7°C)	COPd (declared COP)	-	5.84	5.36	5.87	5.84	5.36
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90

Product fiche 5

Heat pump space heating												
		Outdoor	AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA					
		Indoor	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM12-16HIDRO AURUM12-16D240					
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	1.63	1.79	2.62	2.62	3.55					
	COPd (declared COP)	-	7.91	8.20	9.23	9.04	7.94					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	2.00	2.00	2.00	2.00	2.00					
	Pdh (declared heating capacity)	[kW]	5.34	5.93	7.56	8.44	11.10					
	COPd (declared COP)	-	3.94	3.91	3.98	3.84	3.59					
	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65					
	Tbiv	[°C]	7.00	7.00	7.00	7.00	7.00					
(F) Tbivalent temperature	Pdh (declared heating capacity)	[kW]	3.56	3.93	5.22	5.52	7.14					
	COPd (declared COP)	-	5.92	5.89	6.26	6.18	5.87					
	Psup (@Tdesignh: 2°C)	[kW]	0.18	0.18	0.55	0.14	0.00					
Part load conditions space heating warmer climate medium temperature application												
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	4.83	5.02	7.55	8.06	12.07					
	COPd (declared COP)	-	2.51	2.48	2.59	2.59	2.31					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	3.22	3.31	5.38	5.54	8.04					
	COPd (declared COP)	-	3.68	3.67	4.01	4.10	3.86					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	1.47	1.59	2.31	2.53	3.75					
	COPd (declared COP)	-	5.15	5.29	5.55	5.82	5.70					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	2.00	2.00	2.00	2.00	2.00					
	Pdh (declared heating capacity)	[kW]	4.83	5.02	7.55	8.06	12.07					
	COPd (declared COP)	-	2.51	2.48	2.59	2.59	2.31					
(F) Tbivalent temperature	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65					
	Tbiv	[°C]	7.00	7.00	7.00	7.00	7.00					
	Pdh (declared heating capacity)	[kW]	3.22	3.31	5.38	5.54	8.04					
Supplementary capacity at P_design	COPd (declared COP)	-	3.68	3.67	4.01	4.10	3.86					
	Psup (@Tdesignh: 2°C)	[kW]	0.18	0.12	0.82	0.48	0.43					

Product fiche 5

Heat pump space heating												
	Outdoor	AURUM14VA	AURUM16VA	AURUM12VA	AURUM14YA	AURUM16YA						
		AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240						
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	3.75	3.87	3.55	3.75	3.87					
	COPd (declared COP)	-	8.25	8.11	7.94	8.25	8.11					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
	Tol (temperature operating limit)	[°C]	2.00	2.00	2.00	2.00	2.00					
(E) Tol (temperature operating limit)	Pdh (declared heating capacity)	[kW]	12.04	13.10	11.10	12.04	13.10					
	COPd (declared COP)	-	3.44	3.35	3.59	3.44	3.35					
	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65					
	Tbiv	[°C]	7.00	7.00	7.00	7.00	7.00					
(F) Tbivalent temperature	Pdh (declared heating capacity)	[kW]	7.78	8.41	7.14	7.78	8.41					
	COPd (declared COP)	-	5.84	5.36	5.87	5.84	5.36					
	Psp (@Tdesignh: 2°C)	[kW]	0.00	0.00	0.00	0.00	0.00					
	Part load conditions space heating warmer climate medium temperature application											
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	13.04	13.38	12.07	13.04	13.38					
	COPd (declared COP)	-	2.20	2.29	2.31	2.20	2.29					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
	Pdh (declared heating capacity)	[kW]	9.11	9.11	8.04	9.11	9.11					
(C) condition (7°C)	COPd (declared COP)	-	3.89	3.89	3.86	3.89	3.89					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
	Pdh (declared heating capacity)	[kW]	4.08	4.06	3.75	4.08	4.06					
	COPd (declared COP)	-	5.90	5.86	5.70	5.90	5.86					
(D) condition (12°C)	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
	Tol (temperature operating limit)	[°C]	2.00	2.00	2.00	2.00	2.00					
	Pdh (declared heating capacity)	[kW]	13.04	13.38	12.07	13.04	13.38					
	COPd (declared COP)	-	2.20	2.29	2.31	2.20	2.29					
(E) Tol (temperature operating limit)	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65					
	Tbiv	[°C]	7.00	7.00	7.00	7.00	7.00					
	Pdh (declared heating capacity)	[kW]	9.11	9.11	8.04	9.11	9.11					
	COPd (declared COP)	-	3.89	3.89	3.86	3.89	3.89					
(F) Tbivalent temperature	Psp (@Tdesignh: 2°C)	[kW]	1.13	0.79	0.43	1.13	0.79					

Product fiche 6

Heat pump space heating							
Product description	Outdoor	AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA	
	Indoor	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM12-16HIDRO AURUM12-16D240	
	Y/N	Yes	Yes	Yes	Yes	Yes	
	Y/N	No	No	No	No	No	
	Y/N	No	No	No	No	No	
	Y/N	No	No	No	No	No	
	Y/N	Yes	Yes	Yes	Yes	Yes	
	Y/N	Yes	Yes	Yes	Yes	Yes	
	[m ³ /h]	2770	2770	4030	4030	4060	
	-	/	/	/	/	/	
Air to water unit	-	Inverter	Inverter	Inverter	Inverter	Inverter	
	[kW]	0.014	0.014	0.014	0.014	0.014	
	[kW]	0.024	0.024	0.024	0.024	0.024	
	[kW]	0.014	0.014	0.014	0.014	0.014	
	[kW]	0.000	0.000	0.000	0.000	0.000	
Other	[kWh]	/	/	/	/	/	
	[kWh]	/	/	/	/	/	
	[kWh]	/	/	/	/	/	
	[kWh]	/	/	/	/	/	
	[kWh]	/	/	/	/	/	

Note:
Indoor unit type explanation:
Hydraulic module series
1) AURUM4-6HIDRO includes the following type:
AURUM4-6HIDRO without back-up heater.
AURUM4-6HIDRO + 3kW: with 3kW back-up heater and 1-Phase Source.
2) AURUM8-10HIDRO includes the following type:
AURUM8-10HIDRO without back-up heater.
AURUM8-10HIDRO + 3kW: with 3kW back-up heater and 1-Phase Source.
AURUM8-10HIDRO + 9kW: with 9kW back-up heater and 3-Phase Source.
3) AURUM12-16HIDRO includes the following type:
AURUM12-16HIDRO without back-up heater.
AURUM12-16HIDRO + 3kW: with 3kW back-up heater and 1-Phase Source.
AURUM12-16HIDRO + 9kW: with 9kW back-up heater and 3-Phase Source.

M-thermal tank seires
1) AURUM4-10D190 includes the following type:
AURUM4-10D190 + 3kW: 190L tank with 3kW back-up heater and 1-Phase Source.
AURUM4-10D190 + 6kW: 190L tank with 6kW back-up heater and 1-Phase Source.
AURUM4-10D190 + 9kW: 190L tank with 9kW back-up heater and 3-Phase Source.
2) AURUM4-10D240 includes the following type:
AURUM4-10D240 + 3kW: 240L tank with 3kW back-up heater and 1-Phase Source.
AURUM4-10D240 + 6kW: 240L tank with 6kW back-up heater and 1-Phase Source.
AURUM4-10D240 + 9kW: 240L tank with 9kW back-up heater and 3-Phase Source.
3) AURUM12-16D240 includes the following type:
AURUM12-16D240 + 3kW: 240L tank with 3kW back-up heater and 1-Phase Source.
AURUM12-16D240 + 6kW: 240L tank with 6kW back-up heater and 1-Phase Source.
AURUM12-16D240 + 9kW: 240L tank with 9kW back-up heater and 3-Phase Source.
Product fiche data according to energy label directive 2010/30/EC regulation (EU) 811/2013.
*Sound power measured according to the EN12102 under conditions of the EN14825.
Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.

Product fiche 6

Heat pump space heating						
Product description	Outdoor	AURUM14VA	AURUM16VA	AURUM12YA	AURUM14YA	AURUM16YA
	Indoor	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240
	Air-to-water heat pump	Yes	Yes	Yes	Yes	Yes
	Water-to-water heat pump	No	No	No	No	No
	Brine-to-water heat pump	No	No	No	No	No
	Low-temperature heat pump	No	No	No	No	No
	Equipped with a supplementary heater	Yes	Yes	Yes	Yes	Yes
	Heat pump combination heater	Yes	Yes	Yes	Yes	Yes
	Rated airflow (outdoor)	4060	4650	4060	4060	4650
	Rated water/brine flow (outdoor H/E)	-	/	/	/	/
Air to water unit	Capacity control	-	Inverter	Inverter	Inverter	Inverter
	Poff (Power consumption Off mode)	[kW]	0.014	0.014	0.020	0.020
	Pto (Power consumption Thermostat off mode)	[kW]	0.024	0.024	0.030	0.030
Other	Psb (Power consumption Standby mode)	[kW]	0.014	0.014	0.020	0.020
	Pck (Power crankcase heater mode)	[kW]	0.000	0.000	0.000	0.000
	Qelec (Daily electricity consumption)	[kWh]	/	/	/	/
	Qfuel (Daily fuel consumption)	[kWh]	/	/	/	/

Note :

Indoor unit type explanation:

Hydraulic module series

1)AURUM4-6HIDRO includes the following type :
AURUM4-6HIDRO without back-up heater.
AURUM4-6HIDRO + 3kWwith 3kW back-up heater and 1-Phase Source.

2)AURUM8-10HIDRO includes the following type :
AURUM8-10HIDRO without back-up heater.
AURUM8-10HIDRO + 3kWwith 3kW back-up heater and 1-Phase Source.
AURUM8-10HIDRO + 9kWwith 9kW back-up heater and 3-Phase Source.

3)AURUM12-16HIDRO includes the following type :
AURUM12-16HIDRO without back-up heater.
AURUM12-16HIDRO + 3kWwith 3kW back-up heater and 1-Phase Source.
AURUM12-16HIDRO + 9kWwith 9kW back-up heater and 3-Phase Source.

M-thermal tank series

1)AURUM4-10D190 includes the following type :
AURUM4-10D190 + 3kW190L tank with 3kW back-up heater and 1-Phase Source.
AURUM4-10D190 + 6kW190L tank with 6kW back-up heater and 1-Phase Source.
AURUM4-10D190 + 9kW190L tank with 9kW back-up heater and 3-Phase Source.

2)AURUM4-10D240 includes the following type :
AURUM4-10D240 + 3kW240L tank with 3kW back-up heater and 1-Phase Source.
AURUM4-10D240 + 6kW240L tank with 6kW back-up heater and 1-Phase Source.
AURUM4-10D240 + 9kW240L tank with 9kW back-up heater and 3-Phase Source.

3)AURUM12-16D240 includes the following type :
AURUM12-16D240 + 3kW240L tank with 3kW back-up heater and 1-Phase Source.
AURUM12-16D240 + 6kW back-up heater and 1-Phase Source.
AURUM12-16D240 + 9kW240L tank with 9kW back-up heater and 3-Phase Source.

Product fiche data according to energy label directive 2010/30/EC regulation (EU) 811/2013.

*Sound power measured according to the EN12102 under conditions of the EN14825.

Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.

Product fiche 7

Heat pump space cooling							
Indoor unit sound power (*)	Outdoor		AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA
	Indoor		AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM12-16HIDRO AURUM12-16D240
Outdoor unit sound power (*)	Average climate low temperature application	dB	38	40	42	42	43
	Average climate medium temperature application	dB	56	58	60	61	65
		dB	55	58	60	60	64
Space cooling 7°C	Prated (declared cooling capacity) @ 35°C	[kW]	4.7	7.0	7.4	8.2	11.6
	Seasonal space cooling efficiency (ηs)	[%]	196.2	209.5	230.1	235.3	194.2
	Annual energy consumption	[kWh]	566	791	762	826	1,412
Space cooling 18°C	Prated (declared cooling capacity) @ 35°C	[kW]	4.5	6.55	8.4	10.0	12.0
	Seasonal space cooling efficiency (ηs)	[%]	307.7	326.8	354.9	348.8	282.4
	Annual energy consumption	[kWh]	348	477	563	682	1,009
Part load conditions space cooling : low temperature application@7°C							
(A) condition (35°C)	Pdc (declared cooling capacity)	[kW]	4.70	7.00	7.40	8.20	11.60
	EERd (declared EER)	-	3.45	3.00	3.38	3.30	2.75
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
(B) condition (30°C)	Pdc (declared cooling capacity)	[kW]	3.66	5.13	5.72	6.68	8.76
	EERd (declared EER)	-	4.76	4.00	4.71	4.47	3.93
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
(C) condition (25°C)	Pdc (declared cooling capacity)	[kW]	2.21	3.48	3.62	4.26	5.81
	EERd (declared EER)	-	5.72	6.45	6.65	7.02	5.73
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
(D) condition (20°C)	Pdc (declared cooling capacity)	[kW]	0.94	1.53	1.64	1.94	2.63
	EERd (declared EER)	-	5.72	7.73	8.55	9.54	6.75
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90

(*)Sound power measured according to the EN12102 under conditions of the EN14825.

Product fiche 7

Heat pump space cooling									
Indoor unit sound power (*)		Outdoor	AURUM14VA	AURUM16VA	AURUM12YA	AURUM14YA	AURUM16YA		
Outdoor unit sound power (*)	Average climate low temperature application	Indoor	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240		
	Average climate medium temperature application								
	Prated (declared cooling capacity) @ 35°C								
Space cooling 7°C	Seasonal space cooling efficiency (ns)	[kW]	12.7	14.0	11.6	12.7	14.0		
	Annual energy consumption	[%]	192.4	184.1	193.0	191.4	183.3		
	Prated (declared cooling capacity) @ 35°C	[kWh/h]	1,560	1,796	1,420	1,568	1,804		
Space cooling 18°C	Seasonal space cooling efficiency (ns)	[kW]	13.5	14.2	12.0	13.5	14.2		
	Annual energy consumption	[%]	274.4	266.8	280.1	272.5	265.0		
		[kWh/h]	1,168	1,263	1,017	1,176	1,271		
Part load conditions space cooling: low temperature application@7°C									
(A) condition (35°C)	Pdc (declared cooling capacity)	[kW]	12.70	14.00	11.60	12.70	14.00		
	EERd (declared EER)	-	2.55	2.45	2.75	2.55	2.45		
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90		
(B) condition (30°C)	Pdc (declared cooling capacity)	[kW]	9.41	10.68	8.76	9.41	10.68		
	EERd (declared EER)	-	3.85	3.63	3.93	3.85	3.63		
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90		
(C) condition (25°C)	Pdc (declared cooling capacity)	[kW]	6.16	6.76	5.81	6.16	6.76		
	EERd (declared EER)	-	5.80	5.27	5.73	5.80	5.27		
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90		
(D) condition (20°C)	Pdc (declared cooling capacity)	[kW]	2.63	3.41	2.63	2.63	3.41		
	EERd (declared EER)	-	6.74	7.29	6.75	6.74	7.29		
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90		

(*) Sound power measured according to the EN12102 under conditions of the EN14825.

Product fiche 8

Heat pump space cooling		Outdoor	AURUM4VA AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM6VA AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8VA AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM10VA AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM12VA AURUM12-16HIDRO AURUM12-16D240
Part load conditions space cooling: medium temperature application@18°C							
(A) condition (35°C)	Pdc (declared cooling capacity)	[kW]	4.50	6.55	8.40	10.00	12.00
	EERd (declared EER)	-	5.55	4.90	5.05	4.80	4.00
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
(B) condition (30°C)	Pdc (declared cooling capacity)	[kW]	3.44	4.84	6.47	7.71	9.21
	EERd (declared EER)	-	7.23	7.16	7.02	6.45	5.50
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
(C) condition (25°C)	Pdc (declared cooling capacity)	[kW]	2.19	3.26	4.31	5.03	5.74
	EERd (declared EER)	-	8.94	9.64	10.67	10.36	8.66
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
(D) condition (20°C)	Pdc (declared cooling capacity)	[kW]	1.13	1.41	1.80	2.32	3.33
	EERd (declared EER)	-	10.48	11.48	13.61	14.98	10.07
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
Air to water unit	Rated airflow (outdoor)	[m³/h]	2770	2770	4030	4030	4060
Brine/water to water unit	Rated water/brine flow (outdoor H/E)	-	/	/	/	/	/
Other	Capacity control	-	Inverter	Inverter	Inverter	Inverter	Inverter
	Poff (Power consumption Off mode)	[kW]	0.014	0.014	0.014	0.014	0.014
	Pto (Power consumption Thermostat off mode)	[kW]	0.010	0.010	0.010	0.010	0.010
	Psb (Power consumption Standby mode)	[kW]	0.014	0.014	0.014	0.014	0.014
	Pck (Power crankcase heater mode)	[kW]	0.000	0.000	0.000	0.000	0.000
	Qelec (Daily electricity consumption)	[kWh]	/	/	/	/	/
	Qfuel (Daily fuel consumption)	[kWh]	/	/	/	/	/

Product fiche 8

Heat pump space cooling		Outdoor	AURUM14VA	AURUM16VA	AURUM12YA	AURUM14YA	AURUM16YA
Part load conditions space cooling: medium temperature application@18°C		Indoor	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240
(A) condition (35°C)	Pdc (declared cooling capacity)	[kW]	13.50	14.20	12.00	13.50	14.20
	EERd (declared EER)	-	3.61	3.61	4.00	3.61	3.61
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
(B) condition (30°C)	Pdc (declared cooling capacity)	[kW]	10.20	11.42	9.21	10.20	11.42
	EERd (declared EER)	-	5.26	5.14	5.50	5.26	5.14
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
(C) condition (25°C)	Pdc (declared cooling capacity)	[kW]	6.57	7.27	5.74	6.57	7.27
	EERd (declared EER)	-	8.45	7.83	8.66	8.45	7.83
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
(D) condition (20°C)	Pdc (declared cooling capacity)	[kW]	3.33	3.40	3.33	3.33	3.40
	EERd (declared EER)	-	10.07	10.35	10.07	10.07	10.35
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
Air to water unit	Rated airflow (outdoor)	[m³/h]	4060	4650	4060	4060	4650
Brine/water to water unit	Rated water/brine flow (outdoor H/E)	-	/	/	/	/	/
Other	Capacity control	-	Inverter	Inverter	Inverter	Inverter	Inverter
	Poff (Power consumption Off mode)	[kW]	0.014	0.014	0.020	0.020	0.020
	Pto (Power consumption Thermostat off mode)	[kW]	0.010	0.010	0.010	0.010	0.010
	Psb (Power consumption Standby mode)	[kW]	0.014	0.014	0.020	0.020	0.020
	Pck (Power crankcase heater mode)	[kW]	0.000	0.000	0.000	0.000	0.000
	Qelec (Daily electricity consumption)	[kWh]	/	/	/	/	/
	Qfuel (Daily fuel consumption)	[kWh]	/	/	/	/	/

Outdoor unit	Indoor unit	Ambient Temperature : 35/24 Water temperature : 23/18			Ambient Temperature : 35/24 Water temperature : 12/7			Ambient Temperature : 7/6 Water temperature : 30/35			Ambient Temperature : 2/1 Water temperature : 30/35		
		Capacity kW	Power input kW	EER	Capacity kW	Power input kW	EER	Capacity kW	Power input kW	COP	Capacity kW	Power input kW	COP
AURUM4VA	AURUM4-6HIDRO	4.50	0.81	5.55	4.70	1.36	3.45	4.25	0.82	5.20	4.45	1.10	4.05
	AURUM4-10D190	4.50	0.81	5.55	4.70	1.36	3.45	4.25	0.82	5.20	4.45	1.10	4.05
	AURUM4-10D240	4.50	0.81	5.55	4.70	1.36	3.45	4.25	0.82	5.20	4.45	1.10	4.05
AURUM6VA	AURUM4-6HIDRO	6.55	1.34	4.90	7.00	2.33	3.00	6.20	1.24	5.00	5.50	1.39	3.95
	AURUM4-10D190	6.55	1.34	4.90	7.00	2.33	3.00	6.20	1.24	5.00	5.50	1.39	3.95
	AURUM4-10D240	6.55	1.34	4.90	7.00	2.33	3.00	6.20	1.24	5.00	5.50	1.39	3.95
AURUM8VA	AURUM8-10HIDRO	8.40	1.66	5.05	7.40	2.19	3.38	8.30	1.60	5.20	7.10	1.73	4.10
	AURUM4-10D190	8.40	1.66	5.05	7.40	2.19	3.38	8.30	1.60	5.20	7.10	1.73	4.10
	AURUM4-10D240	8.40	1.66	5.05	7.40	2.19	3.38	8.30	1.60	5.20	7.10	1.73	4.10
AURUM10VA	AURUM8-10HIDRO	10.00	2.08	4.80	8.20	2.48	3.30	10.00	2.00	5.00	8.20	2.02	4.05
	AURUM4-10D190	10.00	2.08	4.80	8.20	2.48	3.30	10.00	2.00	5.00	8.20	2.02	4.05
	AURUM4-10D240	10.00	2.08	4.80	8.20	2.48	3.30	10.00	2.00	5.00	8.20	2.02	4.05
AURUM12VA	AURUM12-16HIDRO	12.00	3.00	4.00	11.60	4.22	2.75	12.10	2.44	4.95	9.30	2.35	3.95
	AURUM12-16D240	12.00	3.00	4.00	11.60	4.22	2.75	12.10	2.44	4.95	9.30	2.35	3.95
	AURUM12-16HIDRO	12.00	3.00	4.00	11.60	4.22	2.75	12.10	2.44	4.95	9.30	2.35	3.95
AURUM14VA	AURUM12-16HIDRO	13.50	3.74	3.61	12.70	4.98	2.55	14.50	3.09	4.70	11.40	3.12	3.65
	AURUM12-16D240	13.50	3.74	3.61	12.70	4.98	2.55	14.50	3.09	4.70	11.40	3.12	3.65
	AURUM12-16HIDRO	13.50	3.74	3.61	12.70	4.98	2.55	14.50	3.09	4.70	11.40	3.12	3.65
AURUM16VA	AURUM12-16HIDRO	14.20	3.94	3.61	14.00	5.71	2.45	16.00	3.56	4.50	13.00	3.71	3.50
	AURUM12-16D240	14.20	3.94	3.61	14.00	5.71	2.45	16.00	3.56	4.50	13.00	3.71	3.50
	AURUM12-16HIDRO	14.20	3.94	3.61	14.00	5.71	2.45	16.00	3.56	4.50	13.00	3.71	3.50
AURUM16YA	AURUM12-16HIDRO	14.20	3.94	3.61	14.00	5.71	2.45	16.00	3.56	4.50	13.00	3.71	3.50
	AURUM12-16D240	14.20	3.94	3.61	14.00	5.71	2.45	16.00	3.56	4.50	13.00	3.71	3.50

Outdoor unit	Indoor unit	Ambient Temperature : -7/-8 Water temperature : 30/35			Ambient Temperature : 7/6 Water temperature : 40/45			Ambient Temperature : 2/1 Water temperature : 40/45			Ambient Temperature : -7/-8 Water temperature : 40/45		
		Capacity kW	Power input kW	COP	Capacity kW	Power input kW	COP	Capacity kW	Power input kW	COP	Capacity kW	Power input kW	COP
AURUM4VA	AURUM4-6HIDRO	4.80	1.52	3.15	4.35	1.14	3.80	5.10	1.70	3.00	4.30	1.83	2.35
	AURUM4-10D190	4.80	1.52	3.15	4.35	1.14	3.80	5.10	1.70	3.00	4.30	1.83	2.35
	AURUM4-10D240	4.80	1.52	3.15	4.35	1.14	3.80	5.10	1.70	3.00	4.30	1.83	2.35
AURUM6VA	AURUM4-6HIDRO	6.10	2.00	3.05	6.35	1.69	3.75	5.80	1.93	3.00	5.40	2.25	2.40
	AURUM4-10D190	6.10	2.00	3.05	6.35	1.69	3.75	5.80	1.93	3.00	5.40	2.25	2.40
	AURUM4-10D240	6.10	2.00	3.05	6.35	1.69	3.75	5.80	1.93	3.00	5.40	2.25	2.40
AURUM8VA	AURUM8-10HIDRO	7.10	2.18	3.25	8.20	2.08	3.95	7.40	2.28	3.25	6.60	2.59	2.55
	AURUM4-10D190	7.10	2.18	3.25	8.20	2.08	3.95	7.40	2.28	3.25	6.60	2.59	2.55
	AURUM4-10D240	7.10	2.18	3.25	8.20	2.08	3.95	7.40	2.28	3.25	6.60	2.59	2.55
AURUM10VA	AURUM8-10HIDRO	8.25	2.62	3.15	10.00	2.63	3.80	7.85	2.45	3.20	7.35	2.88	2.55
	AURUM4-10D190	8.25	2.62	3.15	10.00	2.63	3.80	7.85	2.45	3.20	7.35	2.88	2.55
	AURUM4-10D240	8.25	2.62	3.15	10.00	2.63	3.80	7.85	2.45	3.20	7.35	2.88	2.55
AURUM12VA	AURUM12-16HIDRO	10.00	3.33	3.00	12.30	3.24	3.80	10.70	3.57	3.00	10.20	4.25	2.40
	AURUM12-16D240	10.00	3.33	3.00	12.30	3.24	3.80	10.70	3.57	3.00	10.20	4.25	2.40
AURUM12YA	AURUM12-16HIDRO	10.00	3.33	3.00	12.30	3.24	3.80	10.70	3.57	3.00	10.20	4.25	2.40
	AURUM12-16D240	10.00	3.33	3.00	12.30	3.24	3.80	10.70	3.57	3.00	10.20	4.25	2.40
AURUM14VA	AURUM12-16HIDRO	12.00	4.29	2.80	14.20	3.89	3.65	11.70	4.09	2.86	11.80	5.02	2.35
	AURUM12-16D240	12.00	4.29	2.80	14.20	3.89	3.65	11.70	4.09	2.86	11.80	5.02	2.35
AURUM14YA	AURUM12-16HIDRO	12.00	4.29	2.80	14.20	3.89	3.65	11.70	4.09	2.86	11.80	5.02	2.35
	AURUM12-16D240	12.00	4.29	2.80	14.20	3.89	3.65	11.70	4.09	2.86	11.80	5.02	2.35
AURUM16VA	AURUM12-16HIDRO	13.30	4.93	2.70	16.00	4.44	3.60	12.80	4.49	2.85	12.90	5.78	2.23
	AURUM12-16D240	13.30	4.93	2.70	16.00	4.44	3.60	12.80	4.49	2.85	12.90	5.78	2.23
AURUM16YA	AURUM12-16HIDRO	13.30	4.93	2.70	16.00	4.44	3.60	12.80	4.49	2.85	12.90	5.78	2.23
	AURUM12-16D240	13.30	4.93	2.70	16.00	4.44	3.60	12.80	4.49	2.85	12.90	5.78	2.23

Outdoor unit	Indoor unit	Ambient Temperature : 7/6 Water temperature : 47/55			Ambient Temperature : 2/1 Water temperature : 47/55			Ambient Temperature : -7/-8 Water temperature : 47/55		
		Capacity kW	Power input kW	COP	Capacity kW	Power input kW	COP	Capacity kW	Power input kW	COP
AURUM4VA	AURUM4-6HIDRO	4.40	1.49	2.95	5.10	2.08	2.45	4.00	2.05	1.95
	AURUM4-10D190	4.40	1.49	2.95	5.10	2.08	2.45	4.00	2.05	1.95
	AURUM4-10D240	4.40	1.49	2.95	5.10	2.08	2.45	4.00	2.05	1.95
AURUM6VA	AURUM4-6HIDRO	6.00	2.00	3.00	5.65	2.31	2.45	5.15	2.58	2.00
	AURUM4-10D190	6.00	2.00	3.00	5.65	2.31	2.45	5.15	2.58	2.00
	AURUM4-10D240	6.00	2.00	3.00	5.65	2.31	2.45	5.15	2.58	2.00
AURUM8VA	AURUM8-10HIDRO	7.50	2.36	3.18	7.10	2.73	2.60	6.15	3.00	2.05
	AURUM4-10D190	7.50	2.36	3.18	7.10	2.73	2.60	6.15	3.00	2.05
	AURUM4-10D240	7.50	2.36	3.18	7.10	2.73	2.60	6.15	3.00	2.05
AURUM10VA	AURUM8-10HIDRO	9.50	3.06	3.10	8.10	3.16	2.56	6.85	3.43	2.00
	AURUM4-10D190	9.50	3.06	3.10	8.10	3.16	2.56	6.85	3.43	2.00
	AURUM4-10D240	9.50	3.06	3.10	8.10	3.16	2.56	6.85	3.43	2.00
AURUM12VA	AURUM12-16HIDRO	12.00	3.87	3.10	11.40	4.47	2.55	10.00	4.88	2.05
	AURUM12-16D240	12.00	3.87	3.10	11.40	4.47	2.55	10.00	4.88	2.05
	AURUM12-16HIDRO	12.00	3.87	3.10	11.40	4.47	2.55	10.00	4.88	2.05
AURUM12YA	AURUM12-16D240	12.00	3.87	3.10	11.40	4.47	2.55	10.00	4.88	2.05
	AURUM12-16HIDRO	12.00	3.87	3.10	11.40	4.47	2.55	10.00	4.88	2.05
	AURUM12-16D240	12.00	3.87	3.10	11.40	4.47	2.55	10.00	4.88	2.05
AURUM14VA	AURUM12-16HIDRO	13.80	4.60	3.00	12.40	5.06	2.45	11.00	5.37	2.05
	AURUM12-16D240	13.80	4.60	3.00	12.40	5.06	2.45	11.00	5.37	2.05
	AURUM12-16HIDRO	13.80	4.60	3.00	12.40	5.06	2.45	11.00	5.37	2.05
AURUM14YA	AURUM12-16HIDRO	13.80	4.60	3.00	12.40	5.06	2.45	11.00	5.37	2.05
	AURUM12-16D240	13.80	4.60	3.00	12.40	5.06	2.45	11.00	5.37	2.05
	AURUM12-16HIDRO	13.80	4.60	3.00	12.40	5.06	2.45	11.00	5.37	2.05
AURUM16VA	AURUM12-16HIDRO	16.00	5.52	2.90	13.40	5.58	2.40	12.50	6.19	2.02
	AURUM12-16D240	16.00	5.52	2.90	13.40	5.58	2.40	12.50	6.19	2.02
	AURUM12-16HIDRO	16.00	5.52	2.90	13.40	5.58	2.40	12.50	6.19	2.02
AURUM16YA	AURUM12-16HIDRO	16.00	5.52	2.90	13.40	5.58	2.40	12.50	6.19	2.02
	AURUM12-16D240	16.00	5.52	2.90	13.40	5.58	2.40	12.50	6.19	2.02
	AURUM12-16HIDRO	16.00	5.52	2.90	13.40	5.58	2.40	12.50	6.19	2.02

ErP Information

Fan Types	Axial fan		
Directive (or Standard) for Regulation		ErP Directive 2009/125/EC COMMISSION REGULATION (EU) No 327/2011	
Model Name	WZDK170-38G-1	Rev.	
Prepare by			

Specified Information of Fan:

No.	Information Item	Comment
1	$\eta_{\text{target}} =$	29.1%
2	Overall efficiency (η_e) =	33.1%
3	Pass or not (Criteria: $\eta_e \geq \eta_{\text{target}}$)	Pass
4	Measurement category (A-D)	A
5	Efficiency category (static or total)	Static
6	Efficiency grade at optimum energy efficiency point	N =43.9
7	VSD is integrated within the fan	YES
8	Year of Manufacture	Ref. to the Unit Nameplate
9	Manufacturer's name and place of manufacture	Ref. to the Unit Nameplate
10.1	Rated motor power input(s) (kW), at optimum energy efficiency	0.190kw
10.2	Rated motor flow rate(s) at optimum energy efficiency	1.368m ³ /s
10.3	Rated motor pressure(s) at optimum energy efficiency	40Pa
11	Rotations per minute (R.P.M)at the optimum energy efficiency point	800r/min
12	Specific ratio	1.001
13	Information relevant for facilitating disassembly, recycling or disposal at end-of-life	all materials can be recycled
14	Information relevant to minimize impact on the environment and ensure optimal life expectancy as regards installation, use and maintenance of the fan	For installation, the clearance of 500 mm shall be kept from inlet
15	Description of additional items used when determining the fan energy efficiency,such as ducts, that are not described in the measurement category and not supplied with the fan.	Measure ment category A, fan is free inlet and outlet conditions
16	Motor manufacturer	NIDEC SHIBAURA (ZHEJIANG) CORP.

ErP Information

Fan Types	Axial fan		
Directive (or Standard) for Regulation		ErP Directive 2009/125/EC COMMISSION REGULATION (EU) No 327/2011	
Model Name	WZDK170-38G-1	Rev.	
Prepare by			

Specified Information of Fan:

No.	Information Item	Comment
1	$\eta_{\text{target}} =$	29.1%
2	Overall efficiency (η_e) =	33.7%
3	Pass or not (Criteria: $\eta_e \geq \eta_{\text{target}}$)	Pass
4	Measurement category (A-D)	A
5	Efficiency category (static or total)	Static
6	Efficiency grade at optimum energy efficiency point	N =44.6
7	VSD is integrated within the fan	YES
8	Year of Manufacture	Ref. to the Unit Nameplate
9	Manufacturer's name and place of manufacture	Ref. to the Unit Nameplate
10.1	Rated motor power input(s) (kW), at optimum energy efficiency	0.186kw
10.2	Rated motor flow rate(s) at optimum energy efficiency	1.37m ³ /s
10.3	Rated motor pressure(s) at optimum energy efficiency	40Pa
11	Rotations per minute (R.P.M)at the optimum energy efficiency point	800r/min
12	Specific ratio	1.001
13	Information relevant for facilitating disassembly, recycling or disposal at end-of-life	all materials can be recycled
14	Information relevant to minimize impact on the environment and ensure optimal life expectancy as regards installation, use and maintenance of the fan	For installation, the clearance of 500 mm shall be kept from inlet
15	Description of additional items used when determining the fan energy efficiency,such as ducts, that are not described in the measurement category and not supplied with the fan.	Measurement category A, fan is free inlet and outlet conditions
16	Motor manufacturer	GUANGDONG WELLING MOTOR MANUFACTURING CO.,LTD.

ErP Information

Fan Types	Axial fan		
Directive (or Standard) for Regulation		ErP Directive 2009/125/EC COMMISSION REGULATION (EU) No 327/2011	
Model Name	WZDK170-38G-1	Rev.	
Prepare by			

Specified Information of Fan:

No.	Information Item	Comment
1	$\eta_{\text{target}} =$	29.0%
2	Overall efficiency (η_e) =	34.6%
3	Pass or not (Criteria: $\eta_e \geq \eta_{\text{target}}$)	Pass
4	Measurement category (A-D)	A
5	Efficiency category (static or total)	Static
6	Efficiency grade at optimum energy efficiency point	N =4.57
7	VSD is integrated within the fan	YES
8	Year of Manufacture	Ref. to the Unit Nameplate
9	Manufacturer's name and place of manufacture	Ref. to the Unit Nameplate
10.1	Rated motor power input(s) (kW), at optimum energy efficiency	0.180kw
10.2	Rated motor flow rate(s) at optimum energy efficiency	1.378m ³ /s
10.3	Rated motor pressure(s) at optimum energy efficiency	40Pa
11	Rotations per minute (R.P.M)at the optimum energy efficiency point	800r/min
12	Specific ratio	1.001
13	Information relevant for facilitating disassembly, recycling or disposal at end-of-life	all materials can be recycled
14	Information relevant to minimize impact on the environment and ensure optimal life expectancy as regards installation, use and maintenance of the fan	For installation, the clearance of 500 mm shall be kept from inlet
15	Description of additional items used when determining the fan energy efficiency,such as ducts, that are not described in the measurement category and not supplied with the fan.	Measurement category A, fan is free inlet and outlet conditions
16	Motor manufacturer	Panasonic Motor (HangZhou) CO.,LTD



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