


ECU AIR CS DGT R404a

ENERGY EFFICIENCY DATA SHEETS

*Values of COP and SEPR in conformity
to the rule UE2015/1095 of May 5th 2015*

N° DOC. Im000100
REV. "00" - 01.07.17

TECHNICAL DOCUMENTATION		STATE REVISION OF THE CHAPTER				IN CONFORMITY WITH THE APPROVED ORIGINAL		
PRODUCT	ECU AIR CS DGT R404a	ORD.	DATE	ORD.	DATE			
N° DOC.		A		D			FIRST ISSUE	01.07.17
N° CHAP.		B		E			ISSUE	MKTG

Model	ECU Air DGT SC 2.40 MT
Refrigerating Fluid	R404a

Element	Symbol	Value	Unit
Evaporation temperature	<i>t</i>	-10°C	°C
Annual consumption of electrical energy	<i>Q</i>	25995	kWh/a
Seasonal energy efficiency ratio	<i>SEPR</i>	3,50	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	14,80	kW
Nominal absorbed power	<i>DA</i>	6,44	kW
Nominal COP	<i>COPA</i>	2,30	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	16,16	kW
Nominal absorbed power	<i>DB</i>	5,71	kW
Declared COP	<i>COPB</i>	2,83	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	18,10	kW
Nominal absorbed power	<i>DC</i>	4,85	kW
Declared COP	<i>COPC</i>	3,73	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	19,85	kW
Nominal absorbed power	<i>DA</i>	4,20	kW
Declared COP	<i>COPD</i>	4,73	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	12,28	kW
Nominal absorbed power	<i>D3</i>	7,78	kW
Declared COP	<i>COP3</i>	1,58	

Control of capacity	<i>fixed/ progressive / variable</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	
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N° DOC.		A		D			FIRST ISSUE	01.07.17
N° CHAP.		B		E			ISSUE	MKTG

Model	ECU Air DGT SC 2.50 MT
Refrigerating Fluid	R404a

Element	Symbol	Value	Unit
Evaporation temperature	<i>t</i>	-10°C	°C
Annual consumption of electrical energy	<i>Q</i>	33098	kWh/a
Seasonal energy efficiency ratio	<i>SEPR</i>	3,26	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	17,57	kW
Nominal absorbed power	<i>DA</i>	8,22	kW
Nominal COP	<i>COPA</i>	2,14	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	19,31	kW
Nominal absorbed power	<i>DB</i>	7,33	kW
Declared COP	<i>COPB</i>	2,64	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	21,68	kW
Nominal absorbed power	<i>DC</i>	6,22	kW
Declared COP	<i>COPC</i>	3,49	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	23,94	kW
Nominal absorbed power	<i>DA</i>	5,29	kW
Declared COP	<i>COPD</i>	4,53	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	14,71	kW
Nominal absorbed power	<i>D3</i>	9,78	kW
Declared COP	<i>COP3</i>	1,50	

Control of capacity	<i>fixed/ progressive / variable</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	
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N° DOC.		A		D			FIRST ISSUE	01.07.17
N° CHAP.		B		E			ISSUE	MKTG

Model	ECU Air DGT SC 2.60 MT
Refrigerating Fluid	R404a

Element	Symbol	Value	Unit
Evaporation temperature	<i>t</i>	-10°C	°C
Annual consumption of electrical energy	<i>Q</i>	37346	kWh/a
Seasonal energy efficiency ratio	<i>SEPR</i>	3,47	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	21,11	kW
Nominal absorbed power	<i>DA</i>	9,39	kW
Nominal COP	<i>COPA</i>	2,25	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	23,25	kW
Nominal absorbed power	<i>DB</i>	8,33	kW
Declared COP	<i>COPB</i>	2,79	


Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	26,18	kW
Nominal absorbed power	<i>DC</i>	7,04	kW
Declared COP	<i>COPC</i>	3,72	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	28,97	kW
Nominal absorbed power	<i>DA</i>	5,97	kW
Declared COP	<i>COPD</i>	4,85	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	17,67	kW
Nominal absorbed power	<i>D3</i>	11,26	kW
Declared COP	<i>COP3</i>	1,57	

Control of capacity	<i>fixed/ progressive / variable</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	
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N° CHAP.		B		E			ISSUE	MKTG

Model	ECU Air DGT SC 2.80 MT
Refrigerating Fluid	R404a

Element	Symbol	Value	Unit
Evaporation temperature	<i>t</i>	-10°C	°C
Annual consumption of electrical energy	<i>Q</i>	50809	kWh/a
Seasonal energy efficiency ratio	<i>SEPR</i>	3,39	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	<i>PA</i>	28,04	kW
Nominal absorbed power	<i>DA</i>	12,56	kW
Nominal COP	<i>COPA</i>	2,23	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	<i>PB</i>	30,80	kW
Nominal absorbed power	<i>DB</i>	11,10	kW
Declared COP	<i>COPB</i>	2,77	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	<i>PC</i>	34,34	kW
Nominal absorbed power	<i>DC</i>	9,41	kW
Declared COP	<i>COPC</i>	3,65	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	<i>PD</i>	37,47	kW
Nominal absorbed power	<i>DA</i>	8,08	kW
Declared COP	<i>COPD</i>	4,64	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	<i>P3</i>	23,25	kW
Nominal absorbed power	<i>D3</i>	15,33	kW
Declared COP	<i>COP3</i>	1,52	

Control of capacity	<i>fixed/ progressive / variable</i>		
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Degradation coefficient of the units with a fixed and progressive capacity	<i>Cdc</i>	0,25	
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