

3.1 GENERAL TECHNICAL DATA

NECS-ME B

SIZE		0152	0182	0202	0252	0262	0302	0352
NECS-ME /B								
COOLING ⁽¹⁾								
Cooling capacity	kW	39,5	45,8	53,6	60,5	67,4	80,2	92,8
Total power input (unit)	kW	12,0	13,5	15,7	18,1	20,0	23,4	26,9
EER		3,29	3,39	3,41	3,34	3,37	3,43	3,45
ESEER		-	-	-	-	-	-	-
Heat exchanger water flow	m³/h	6,80	7,89	9,23	10,4	11,6	13,8	16,0
Heat exchanger pressure drop	kPa	48,0	41,3	41,0	39,1	48,4	29,4	27,6
COMPRESSORS								
Number	N°.	2	2	2	2	2	2	2
Number of capacity	N°.	2	2	2	2	2	2	2
Number of circuits	N°.	1	1	1	1	1	1	1
Type of regulation	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS
Minimum capacity steps	%	50	50	50	50	50	50	50
Type of refrigerant		R410A	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant charge	kg.	-	-	-	-	-	-	-
Oil charge	kg.	3	3	3	3	3	3	3
NOISE LEVELS ⁽²⁾								
Total sound power	dB(A)	73	74	74	74	75	76	77
Total sound pressure	dB(A)	42	43	43	43	44	44	45
DIMENSIONS AND WEIGHTS ⁽³⁾								
Length	mm.	1130	1130	1130	1130	1130	1310	1310
Width	mm.	669	669	669	669	669	893	893
Height	mm.	1255	1255	1255	1255	1255	1496	1496
Weight	kg.	270	280	290	295	300	410	500

- 1 Plant (side) cooling exchanger water (in/out) 12/7 °C
Condensation temperature 47 °C
- 2 Sound power on the basis of measurements made in compliance with ISO 9614 and Eurovent 8/1 for Eurovent certified units;
in compliance with ISO 3744 for non-certified units
Average sound pressure level, at 10 (m.) distance, unit in a free field on a reflective surface; non-binding value obtained
from the sound power level
- 3 Standard configuration
- Not available

GENERAL TECHNICAL DATA

NECS-ME B

SIZE		0412	0452	0512	0552	0612	0604	0704
NECS-ME /B								
COOLING ⁽¹⁾								
Cooling capacity	kW	105	117	131	151	170	161	186
Total power input (unit)	kW	30,3	33,9	37,6	43,3	48,9	46,9	53,7
EER		3,45	3,46	3,49	3,48	3,47	3,43	3,46
ESEER		-	-	-	-	-	-	-
Heat exchanger water flow	m³/h	18,0	20,2	22,6	25,9	29,3	27,7	31,9
Heat exchanger pressure drop	kPa	35,0	33,1	32,2	28,9	36,8	32,5	31,0
COMPRESSORS								
Number	N°.	2	2	2	2	2	4	4
Number of capacity	N°.	2	2	2	2	2	4	4
Number of circuits	N°.	1	1	1	1	1	2	2
Type of regulation	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS
Minimum capacity steps	%	50	50	50	50	50	25	25
Type of refrigerant		R410A	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant charge	kg.	-	-	-	-	-	-	-
Oil charge	kg.	5	5	7	7	6	3,25	3,25
NOISE LEVELS ⁽²⁾								
Total sound power	dB(A)	77	78	78	79	79	86	87
Total sound pressure	dB(A)	45	46	46	47	47	54	55
DIMENSIONS AND WEIGHTS ⁽³⁾								
Length	mm.	1310	1310	1310	1310	1310	2227	2227
Width	mm.	893	893	893	893	893	1020	1020
Height	mm.	1496	1496	1496	1496	1496	1780	1780
Weight	kg.	585	615	645	680	755	700	950

1 Plant (side) cooling exchanger water (in/out) 12/7 °C

Condensation temperature 47 °C

2 Sound power on the basis of measurements made in compliance with ISO 9614 and Eurovent 8/1 for Eurovent certified units; in compliance with ISO 3744 for non-certified units

Average sound pressure level, at 10 (m.) distance, unit in a free field on a reflective surface; non-binding value obtained from the sound power level

3 Standard configuration

- Not available

GENERAL TECHNICAL DATA

NECS-ME B

SIZE		0804	0904	1004	1104	1204	1404	1604
NECS-ME /B								
COOLING ⁽¹⁾								
Cooling capacity	kW	207	235	263	301	339	387	432
Total power input (unit)	kW	60,6	67,9	75,2	86,5	97,8	111	124
EER		3,42	3,47	3,50	3,47	3,47	3,49	3,48
ESEER		-	-	-	-	-	-	-
Heat exchanger water flow	m³/h	35,7	40,5	45,3	51,7	58,4	66,5	74,3
Heat exchanger pressure drop	kPa	38,8	38,9	39,4	36,7	46,7	49,6	54,7
COMPRESSORS								
Number	N°.	4	4	4	4	4	4	4
Number of capacity	N°.	4	4	4	4	4	4	4
Number of circuits	N°.	2	2	2	2	2	2	2
Type of regulation	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS
Minimum capacity steps	%	25	25	25	25	25	25	25
Type of refrigerant		R410A	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant charge	kg.	-	-	-	-	-	-	-
Oil charge	kg.	4,7	4,7	6,8	6,8	6,3	6,3	6,3
NOISE LEVELS ⁽²⁾								
Total sound power	dB(A)	88	89	90	91	91	91	91
Total sound pressure	dB(A)	56	57	58	59	59	59	59
DIMENSIONS AND WEIGHTS ⁽³⁾								
Length	mm.	2227	2227	2227	2227	2227	2227	2227
Width	mm.	1020	1020	1020	1020	1020	1020	1020
Height	mm.	1780	1780	1780	1780	1780	1780	1780
Weight	kg.	1125	1185	1250	1330	1370	1430	1480

1 Plant (side) cooling exchanger water (in/out) 12/7 °C

Condensation temperature 47 °C

2 Sound power on the basis of measurements made in compliance with ISO 9614 and Eurovent 8/1 for Eurovent certified units; in compliance with ISO 3744 for non-certified units
Average sound pressure level, at 10 (m.) distance, unit in a free field on a reflective surface; non-binding value obtained from the sound power level

3 Standard configuration

- Not available