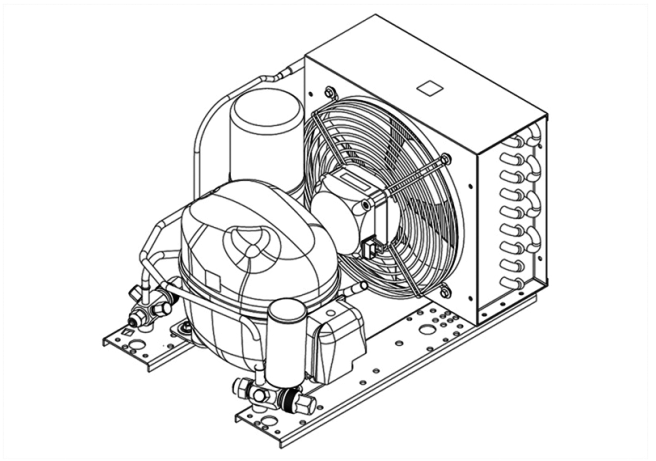
CONDENSING UNIT TECHNICAL DATA

UNEK6144GK



ENGINEERING CODE
557GA5212AA

REFRIGERANT
R-452A

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
HBP

MOTOR TYPE
CSIR

STANDARD
EN13215_RG20

COOLING CAPACITY
435 W

EFFICIENCY
1.7 W/W

CE

ECODESIGN COMPLIANT

DATA

GENERAL DATA

Model	UNEK6144GK

ELECTRICAL DATA

Locked Rotor Amperage (LRA)	9.60 A
Rated Load Amperage (RLA)	2.20 A
Maximum Overcurrent Protection (MOP)	4.95 A
Minimum Current Ampacity (MCA)	2.8 A

ACESSORIES

Discharge valve	FLARE 1/4"	2110025
Suction valve	FLARE 3/8"	2110024

CONDENSING COMPONENTS

Compressor	NEK6144GK		M/HBP
Condenser	3R9T		2451205
Refrigerant		R-404A	
Expansion Device		C-V	
Fan Blade Diameter		230 mm	
Fankit	10W 230/31/5B		1996699

MECHANICAL DATA

Air Flow	300 m³/h
Height	254 mm
Receiver	0.6 L
Shaft Power	10 W
Weight	17 Kg
Width	300 mm
Length	435 mm

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-452A
Tested Application	HBP
Tested Standard	EN13215_RG20

RATED POINTS

Ambient Temperature °C	Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Consumo de Potencia W
32	-10	435	1.7	255

Test Condition: Subcooling 3 K, Return Gas 20 ºC.

PERFORMANCE CURVE

Ambient Temperature 25ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Consumo de Potencia W
-20	342	1.66	206
-15	402	1.77	227
-5	568	2.09	272
0	668	2.26	296
5	776	2.42	321
10	890	2.55	349

Test Condition: Subcooling 3 K, Return Gas 20 ºC.

PERFORMANCE CURVE

Ambient Temperature 32ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Consumo de Potencia W
-20	306	1.41	217
-15	362	1.54	235
-5	522	1.89	277
0	621	2.07	300
5	729	2.24	325
10	843	2.39	353

Test Condition: Subcooling 3 K, Return Gas 20 ºC.

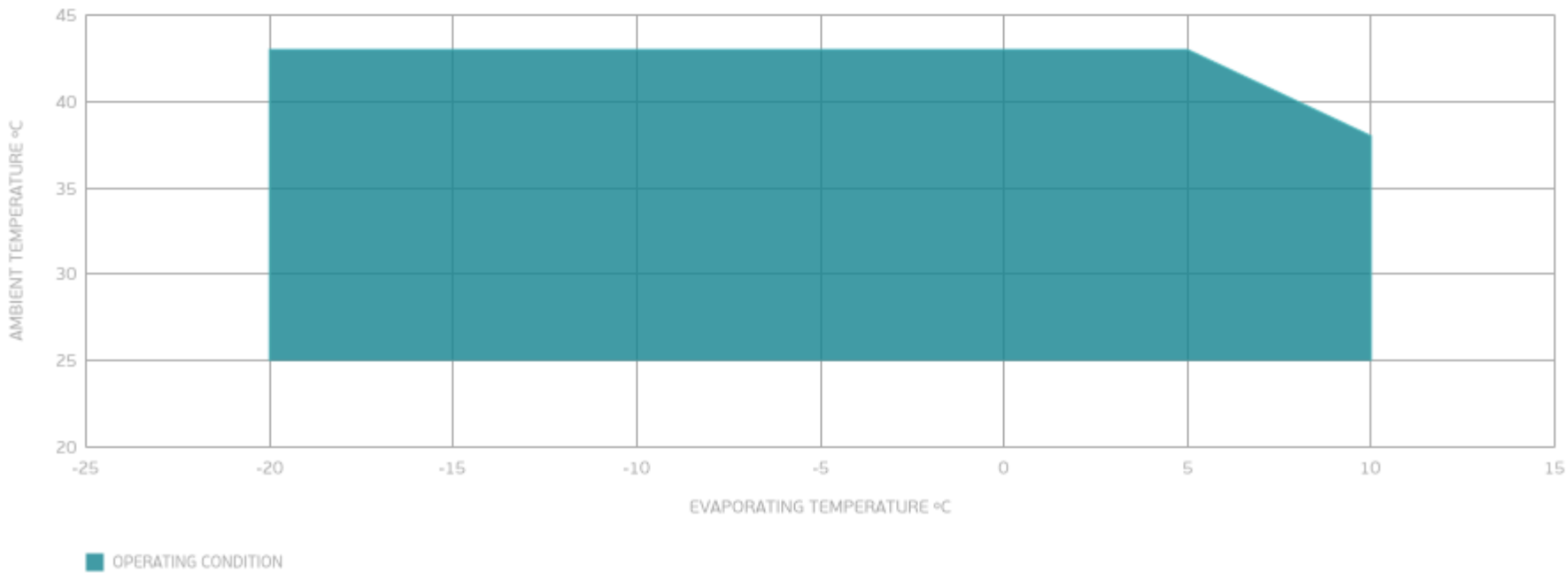
PERFORMANCE CURVE

Ambient Temperature 43ºC

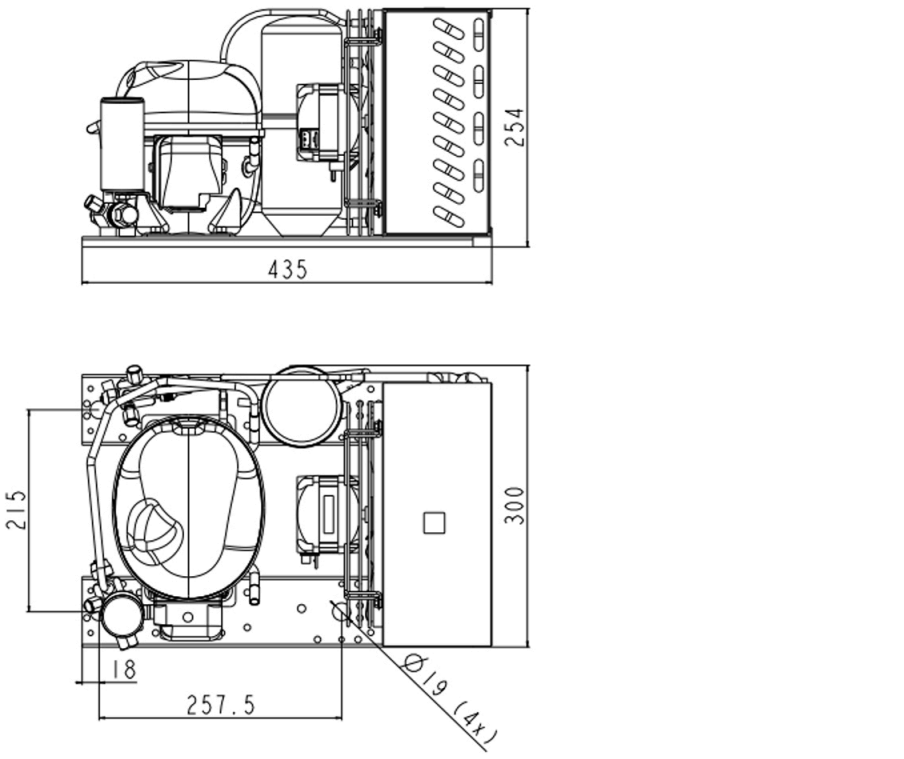
Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Consumo de Potencia W
-20	232	1.02	228
-15	278	1.12	248
-5	421	1.44	293
0	514	1.61	319
5	617	1.77	348

Test Condition: Subcooling 3 K, Return Gas 20 ºC.

ENVELOPE



EXTERNAL DIMENSIONS



WIRING DIAGRAM