

Mbsm.pro, Embraco, Aspera, NEU2155GK,
R404A, 220 – 240V 1~ 50 Hz, 3/4 hp ,
12.1 cm³, R404A, freezing (LBP),
csir, 12.12cc

Category: compressor

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Single-phase motor Embraco Aspera NEU2155GK, freezing (LBP), 12.1 cm³, R404A / R507A / R452A

- Aspera refrigeration compressor for freezing: 432W at -30°C.
 - Single-phase engine with a swept volume of 12.1 cm³ displacement.
- This professional compressor made in Europe stands out for its high energy efficiency, increased reliability and remarkable quietness.

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- NEU2155GK is a small compressor that can be successfully used to be refrigerator compressor, showcase compressor and
- refrigerator-freezer.

Compared to other piston compressors on the market, Embraco Aspera technology stands out in that, during operation, energy consumption varies and adapts, leading to a reduction of even 40%.

SPECIFICAȚII

Power supply 220-240/50/1 V/Hz/Ph

Application LBP

Refrigerant R404A, R507A, R452A

Displacement 12.1 cm³

Weight 11.1 kg

Height 206 mm

Cooling capacity [W] / Evapor. temp. [°C] (Condensing temp. 45°C) -40°C : 246 W

-35°C : 328 W

-30°C : 432 W

-25°C : 557 W

-20°C : 705 W

-15°C : 875 W

-10°C : 1067 W

Capacity (rated point ASHRAE -23,3°C) 658 W

Electrical capacity (rated point -23,3°C) – W

Current (-23,3°C point of reference) – A

Cooling capacity [W] / Evapor. temp. [°C] (Condensing temp. 55°C) -40°C : – W

-30°C : 413 W

-35°C : – W

-25°C : 477 W

-20°C : 546 W

-15°C : 713 W

-10°C : 870 W

Specifications

- Cylinder volume 12.11cc
- Weight 11.1kg
- Suction line connection 8.2mm
- Pressure line connection 6.2mm
- Power consumption V/Hz/ph 200-230V/50/1
- Starting current 18 A
- Oil filling 0.35dm³
- Application type low temperature
- Compressor Series NEW
- refrigerant R404A/R507A
- Maximum operating current 3.7 A

Condensing

temperature 35 °C

Boiling temperature	Cooling power	Power consumption	Current	Gas flow rate		
°C	(kcal/h)	(IN)	(Btu/h)	(IN)	(A)	(kg/h)

-40	269	313	1.069	290	2.51	7.18
-35	352	409	1.397	333	2.59	9.42
-30	458	533	1.818	377	2.69	12.3
-25	588	684	2.333	423	2.82	15.85
-20	741	862	2.941	470	2.97	20.09
-15	918	1.068	3.643	519	3.13	25.03
-10	1.118	1.301	4.438	569	3.32	30.7

Boiling point 45 °C

Boiling temperature °C	Cooling power (kcal/h)	Power consumption (IN)	Current (Btu/h)	Gas flow rate (IN)	(A)	(kg/h)
-40	244	284	969	296	2.52	6.5
-35	326	379	1.293	345	2.62	8.7
-30	429	499	1.704	397	2.75	11.5
-25	555	645	2.202	451	2.9	14.93
-20	703	817	2.789	509	3.09	19.01
-15	873	1.015	3.463	569	3.3	23.75
-10	1.065	1.238	4.225	632	3.54	29.17

Boiling point 55 °C

Boiling temperature °C	Cooling power (kcal/h)	Power consumption (IN)	Current (Btu/h)	Gas flow rate (IN)	(A)	(kg/h)
-40	215	250	854	295	2.52	5.72
-35	295	343	1.171	352	2.64	7.87
-30	395	460	1.569	413	2.79	10.58
-25	517	601	2.050	478	2.99	13.87
-20	658	766	2.612	547	3.22	17.77
-15	821	954	3.257	620	3.49	22.29
-10	1.004	1.167	3.984	697	3.79	27.45

Technical Features

BRAND	EMBRACO
COMPRESSOR TYPE	HERMETIC RECIPROCATING
APPLICATION	LBP (-23,3°C / +54,4°C)
H.POWER	3/4
POWER SUPPLY	115-127V
REFRIGERANT	R404A
FREQUENCY (HZ)	50
DISPLACEMENT:	12.11CM3
COMPRESSOR COOLING:	FAN
FAN AIR FLOW:	520 M3/H
TECHNOLOGY TYPE:	ON-OFF
EXPANSION DEVICE:	CAPILLARY TUBE OR EXPANSION VALVE
PACKAGING QUANTITY:	SINGLE – 1 PC
BORE:	27.78 MM
STROKE:	20 MM

OIL CHARGE:	350ML +/-15ML
FREE INTERNAL VOLUME:	2.1 CM3
MAXIMUM RECOMMENDED REFRIGERANT CHARGE:	350 G
OIL TYPE CONFIGURATION:	POLYOLESTER
OIL TYPE VISCOSITY:	IS022
WEIGHT:	11.5 KG



embraco NEU2155GK
WARRANTY PERIOD 25000 HOURS
18.0L/24L
RSD OIL SECC 1.74
MADE IN NEWCASTLE
187001574621874100-01/18
P187415V01

R 404A



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