

# Recipe for future energy demands First you add a superior compressor

NLU-KK compressors, R600a

# 1.98cop

### The highest level ever

from a fixed speed compressor. The historically high efficiency brings you one step closer to coping with future energy demands (1.56 by CECOMAF).



Danfoss

# **Optimised for pure efficiency: NLU-KK compressors**

In today's global competition manufacturers of refrigeration equipment are constantly looking for ways to improve the energy class of their cabinets with the smallest possible investment. Decisions are typically driven by a mix of legislation and the end users' desire to purchase low noise, energy efficient products.

It is a fact that the compressor is the most power hungry component in a refrigeration system, so why not simply replace the existing compressor and save considerable R&D and production resources, without sacrificing efficiency?

Designed to supply extreme efficiency NLU-KK compressors instantly improve the efficiency of a cabinet. With a COP of 1.98/1.56 (ASHRAE/CECOMAF) the compressor's performance is superior for a conventional compressor, providing you the opportunity to produce cabinets that place you ahead of both your competitors and your customers' expectations.



## **Technical data**

General		NLU8KK	NLU8.8KK	NLU10KK	NLU11KK	NLU13KK	NLU15KK	
Code number		105H6002	105H6003	105H6135	105H6136	105H6370	105H6550	
Approvals		EN 60335-2-34 with Annex AA						
Annication								
Application		L RD						
Evanorating temperatu	25 to 10							
Voltage range/frequent	108 - 251/50							
voltage lange/nequenc	190-234/30							
Performance data (EN12900/CECOMAF • 220V/50Hz • ePTC • static cooling • preliminary data)								
Evaporating temperatu	re °C	-25	-25	-25	-25	-25	-25	
Cooling capacity	watt	94	108	131	148	170	194	
Power consumption	watt	62	71	84	95	110	126	
COP	W/W	1.52	1.53	1.56	1.56	1.55	1.54	
Parformanco data (ACUPAE, 2201//50Uz, oPTC, static cooling, proliminary data)								
Frenomial comporative °C		111C COUILITY • PTEIII		22.2	22.2	22.2	22.2	
Cooling conscitu	ile C	126	-23.5	-23.5	-23.5	-23.5	-23.5	
Power consumption	watt	65	7/	88	00	115	132	
COP	W/W	1.03	1.05	1.02	1.02	1.06	1.05	
COF	VV/ VV	1.95	1.95	1.90	1.90	1.90	1.95	
Dimensions								
Height	mm	203						
		3 197						
Suction connector	location/I.D. mm   angle	C 6.2   15°						
	material   seal Copper   Rubber plug							
Process connector	location/O.D. mm   angle	D 8.0   25°						
	material seal	Copper   Rubber plug						
Discharge connector	location/I.D. mm   angle	5.0   21°						
	material seal	Copper   Rubber plug						
Connector tolerance	I.D. mm		±0.09, on 5.0 +0.12/+0.20					



#### Danfoss Household Compressors GmbH • Mads-Clausen-Str. 7 • D-24939 Flensburg / Germany • Tel: +49 (0461) 4941-0 • compressors.danfoss.com

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