

LEADING THE INDUSTRY BY
SETTING NEW STANDARDS

R600a

KAPPA HXK/HZK COMPRESSORS
5TH GENERATION

SUPERIOR EFFICIENCY

COP UP TO 1.99 ASHRAE LBP | **1.57** EN12900 Household



LESS NOISE | LESS VIBRATIONS | COMPETITIVE COST STRUCTURE



KAPPA COMPRESSORS – LEADING THE INDUSTRY

The KAPPA series is one of Nidec GA Compressors' core product families in the household market. Specifically tailored for household appliance needs, the different KAPPA compressors continue to set new and improved standards within the industry.

Recognized for outstanding energy efficiency levels, low noise, strong reliability and a competitive cost structure, KAPPA ensures a unique combination of short-term savings, fast-moving production and long term sustainability.

The key to the success of the KAPPA series is the result of deep integration and an ongoing close knowledge sharing with customers, suppliers and R&D partners.

This setup is what gives KAPPA an innovative position within the refrigeration business and is the reason why it continues to shape the future of household compressors and the household market in general. The KAPPA series is one of the world's most successful compressor platforms in more than 15 years and it is still going strong.

KAPPA features ...

- Superior efficiency – COP up to 1.99 [ASHRAE]
- Less noise and less vibrations
- Competitive cost structure
- Easily accessible start equipment
- New KAPPA range for tropical conditions also available

... your benefits

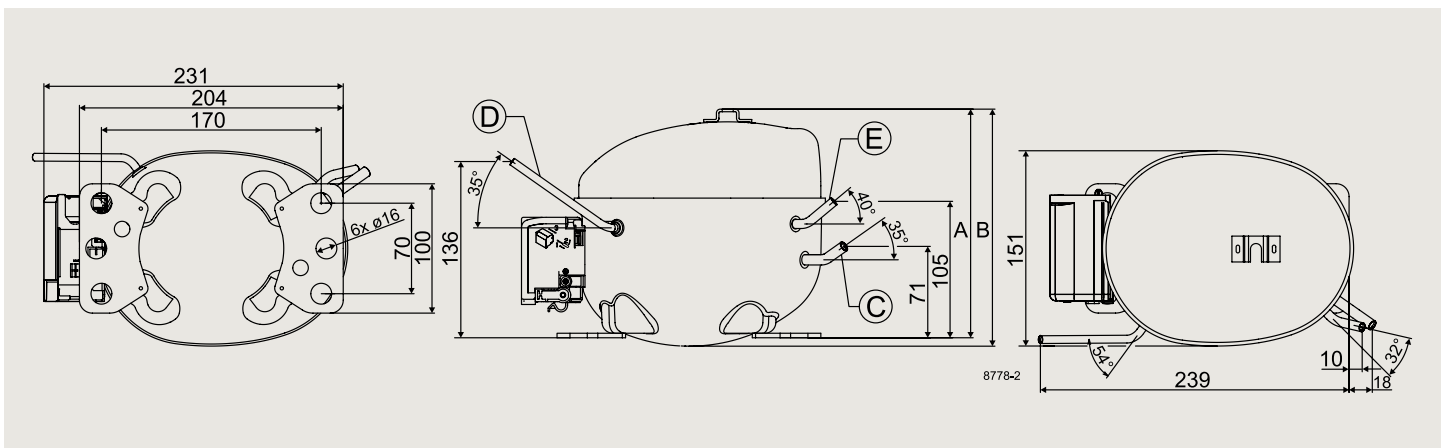
- Cabinets with A+++ categorization possible
- High reliability – Setting new standards for 15 years
- Worldwide approved by large OEMs (5 KAPPA generations)
- Assembly on the production lines in far less time
- For regions with harsh environments & voltage fluctuations

General	HXK70AA	HXK80AA	HXK87AA	HXK95AA	HXK12AA	HZK80AA	HZK95AA	HZK12AA	
Application	LBP								
Evaporating temperature	°C				-35 to -5				
Voltage range/frequency	V/Hz				187 - 264/50				
Approvals	EN 60335-2-34 with Annex AA								

Performance data ASHRAE LBP (220 V/50 Hz • run capacitor • ePTC • static cooling)									
Evaporating temperature	°C	-23.3	-23.3	-23.3	-23.3	-23.3	-23.3	-23.3	-23.3
Cooling capacity	W	118	140	154	171	200	140	171	200
Power consumption	W	63.4	73.9	81.0	89.6	106.3	71.0	85.9	101
COP	W/W	1.86	1.90	1.90	1.91	1.90	1.97	1.99	1.98

Performance data EN12900 Household (220 V/50 Hz • run capacitor • ePTC • static cooling)									
Evaporating temperature	°C	-25	-25	-25	-25	-25	-25	-25	-25
Cooling capacity	W	88.0	105	115	129	150	105	128	151
Power consumption	W	60.3	70.5	77.6	86.0	100.7	67.8	82.1	96.7
COP	W/W	1.46	1.49	1.48	1.50	1.49	1.55	1.57	1.56

Dimensions									
Height	A	167.0	167.0	167.0	167.0	167.0	167.0	170.0	170.0
	B	173.5	173.5	173.5	173.5	173.5	173.5	176.5	176.5
Suction connector	location/I.D. mm angle	C				6.15 35°			
	material seal					Copper Rubber plug			
Process connector	location/O.D. mm angle	D				6.00 35°			
	material seal					Copper Rubber plug			
Discharge connector	location/I.D. mm angle	E				5.15 40°			
	material seal					Copper Rubber plug			



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