

A SMALLER COMPRESSOR  
BUT A MAJOR INNOVATION

**R600a**  
DELTA HXD-MA COMPRESSORS

**LBP | MBP**  
APPLICATION RANGE COVERED  
THE IDEAL CHOICE FOR  
COUNTER TOP BOTTLE COOLERS OR  
PROMOTION BARREL COOLERS, ETC.



**< 4kg**  
WEIGHT LESS THAN 4 KG

Increased cabinet  
net volume

→ Up to 11 litres

Reduced shipping  
and storage costs

→ Less than 50%

Easy mounting

→ Assembly process  
reduced by more  
than 60%



# DELTA – A SMALLER COMPRESSOR BUT A MAJOR INNOVATION

The DELTA hermetic compressor series is essential to every domestic refrigerator. Its efficiency surpasses the the best current energy level, which leads to an A+++ categorization. Weighing under 4 kg, the DELTA compressor's advantageous design leads to optimal efficiency, low mechanical friction loss, and greater thermodynamic process control.

The ultra-compact size of the DELTA compressor reduces shipping and storage costs by more than 50%. Furthermore, the DELTA compressor's all-in-one concept comes with accessories already preassembled

and advanced interfaces, leading to significant improvement for reliability and noticeable reduction in complexity.

With the DELTA series, Nidec GA Compressors takes the lead in manufacturing hermetic refrigeration compressors. Its sleek design, coupled with innovative engineering, exemplifies a new system approach and a new standard for energy savings and cost efficiency. The new HXD-MA types cover the LBP/MBP application range and are the ideal choice for counter top bottle or promotion barrel coolers.

### DELTA features ...

- Superior efficiency
- Weighing less than 4 kg
- Compact design - low height
- Innovative fixation system
- Preassembled start equipment

### ... your benefits

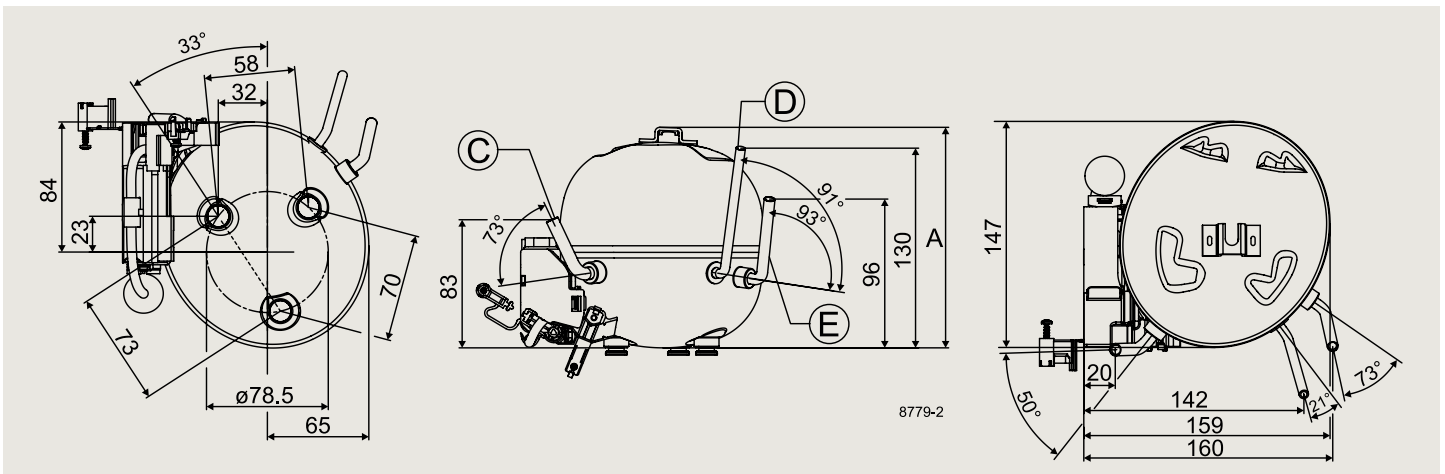
- Cabinets with A+++ categorization possible
- Reduced shipping and storage cost by less than 50%
- Increase cabinet net volume up to 11 liters
- Faster and easier assembly
- Reduction in complexity

General	HXD30MA	HXD35MA	HXD40MA	HXD45MA	HXD55MA
Application	LBP/MBP				
Evaporating temperature	-35 to 10 °C				
Voltage range/frequency	187 - 254/50 V/Hz				
Approvals	EN 60335-2-34 with Annex AA				

Performance data ASHRAE LBP*   ASHRAE MBP** (220V/50Hz • run capacitor • ePTC • static cooling)											
Evaporating temperature	°C	-23.3*	-6.7**	-23.3*	-6.7**	-23.3*	-6.7**	-23.3*	-6.7**	-23.3*	-6.7**
Cooling capacity	W	47	99	55	118	69	138	82	164	97	192
Power consumption	W	31	43	35	50	42	59	51	71	62	87
COP	W/W	1.52	2.32	1.56	2.37	1.64	2.33	1.62	2.30	1.55	2.20
Test conditions	Condensing temperature: LBP: 54.4°C, MBP: 54.4°C   Suction gas temperature: LBP: 32.2°C, MBP: 35°C Ambient temperature: LBP: 32.2°C, MBP: 35°C   Liquid temperature: LBP: 32.2°C, MBP: 46.1°C										

Performance data EN 12900 MBP (220V/50Hz • run capacitor • ePTC • static cooling)					
Evaporating temperature	°C	-10	-10	-10	-10
Cooling capacity	W	89	105	123	169
Power consumption	W	40	47	55	81
COP	W/W	2.22	2.25	2.25	2.19
Test conditions	Condensing temperature: 45°C   Suction gas temperature: 20°C Ambient temperature: 32°C   Liquid temperature: 45°C				

Dimensions			
Height	mm	A	133
Suction connector	location/l.D. mm   angle material   seal	C	6.2   73° Copper   Rubber plug
Process connector	location/O.D. mm   angle material   seal	D	6.0   91° Copper   Rubber plug
Discharge connector	location/l.D. mm   angle material   seal	E	5.0   93° Cu-plated steel   Rubber plug



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