



PROVAC
SALES

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Vacuubrand MD-12CNT+EK

Technical Specifications

		MD 12C NT +EK
Number of heads / stages		8 / 3
Max. pumping speed at 50/60 Hz	m ³ /h	12.0 / 13.3
Max. pumping speed at 50/60 Hz	cfm	7.1 / 7.8
Ultimate vacuum (abs.)	mbar/torr	2 / 1.5
Ultim. vac. (abs.) with gas ballast	mbar/torr	4 / 3
Ambient temperature range (operation)	°C	10 - 40
Ambient temperature range (storage)	°C	-10 - 60
Max. back pressure (abs.)	bar	1.1
Inlet connection		small flange KF DN 25
Outlet connection		Hose nozzle DN 8-10 mm
Coolant connection		2 x hose nozzle DN 6-8 mm
Rated motor power	kW	0.44
Rated motor speed at 50/60 Hz	min-1	1500/1800
Protection class		IP 40
Dimensions (L x W x H)	mm	528 x 387 x 395
Weight	kg	29.1
Noise level at 50 Hz, typ.	dBA	52
ATEX conformity (only 230V)		II 3/- G IIC T3 X Internal Atm. only
Items supplied		Pumping unit completely mounted, ready for use, with manual.
Accessories		PTFE tubing KF DN 25 (1000 mm: 20686033) Inlet separator KF DN 25 (20699979) Centering and sealing ring KF DN 25 C Al/FEP (20635722)



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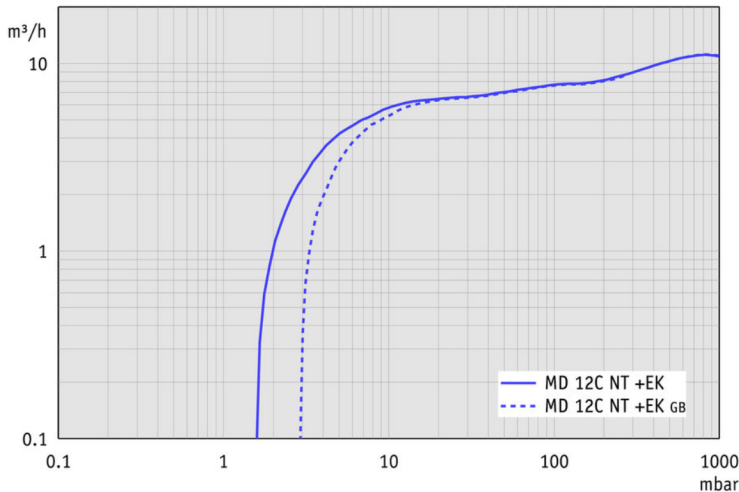
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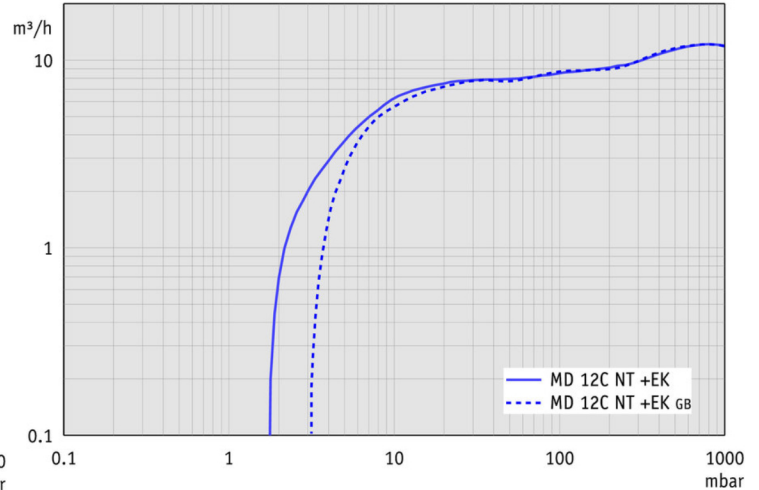
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Pumping Curves

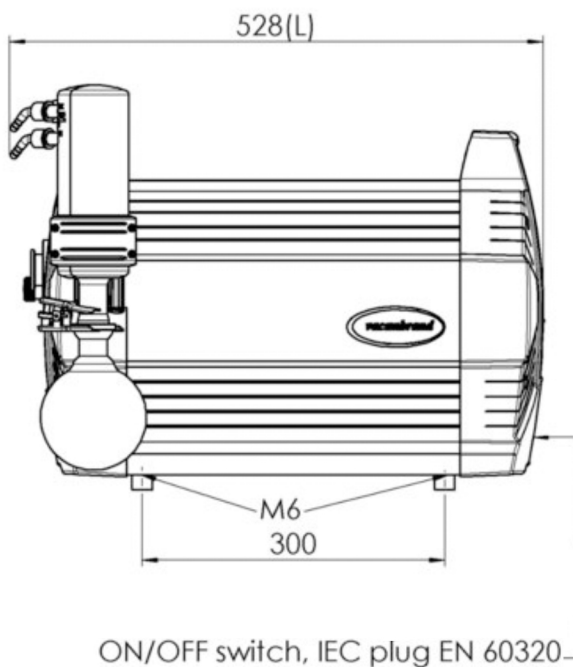
50Hz



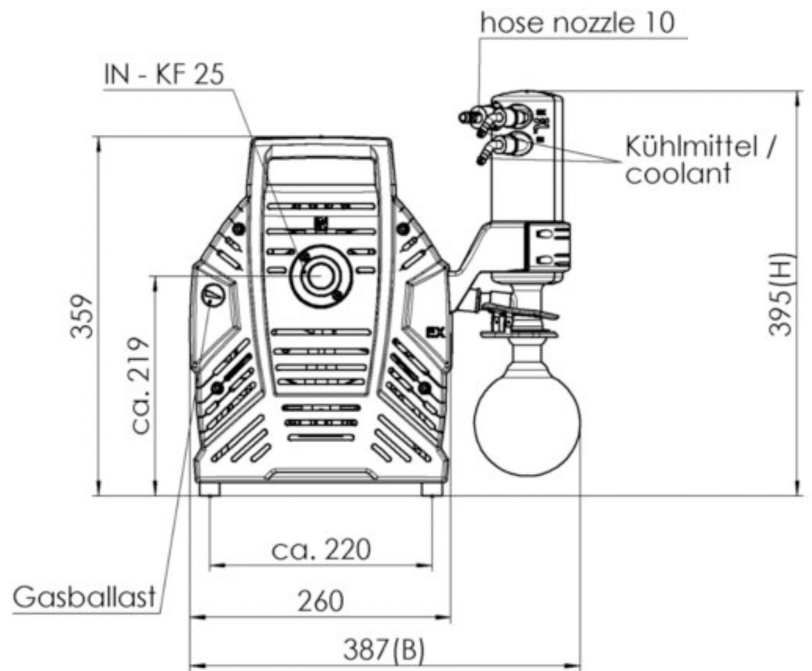
60Hz



Dimensions



weight 29,09 kg
all dimensions (mm)



VACUUBRAND ME 16C NT EK, MD 12C NT EK, MV 10C NT EK
Version 2013/07/29



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Features & Benefits

- outstanding chemical resistance & superior vapor tolerance
- reduced process times
- very high pumping speed, even near ultimate vacuum
- whisper quiet & very low vibration
- very good ultimate vacuum, even with open gas ballast
- waste vapor condenser at the outlet (EK) is highly efficient & compact
- condenser enables almost 100% solvent recovery, efficient recycling, & active protection of the environment

Applications

- rotary evaporators • local area vacuum networks for laboratories
- oil-free vacuum for kilo labs • drying chambers

