Technical Product Description

	Worktops	
1.	**Thickness**	12 mm, 25 mm, 40 mm, 50 mm
2.	**Surface material**	Laminate according to standard: EN 438
3.	**Surface structure**	Wood pore or structured
4.	**Front edge**	2 x Radius 3 mm - 6 mm depending on decor, optional colored plastic edge
5.	**Bottom face coating**	Water-repellent, resin-impregnated paper

	Fronts	
1.	**Material and structure are dependent on the range**	Please have a lock on the our media database: https://medien.nolte-kuechen.de
2.	**Fastening**	Two hinges per front, for fronts 1200mm and up three hinges are required
3.	**Cushioning**	Using a circumferential cushioning/sealing profile on the carcase edge Integrated cushioning element in every front and drawer
4.	**Glazing**	Finished with single-pane safety glass

	Carcase Material	
1.	**Side panels and construction shelves**	Thickness: 16 mm
	Material	Chipboard according to standard: DIN EN 312
	Surface	Direct coating on melamine resin basis according to standard: DIN 52 361 Carcase has same decor inside and out
	Edging	Front side with plastic edging, all other edges are coated with melamine
2.	**Base**	Thickness: 16 mm
	Material	Chipboard according to standard: DIN EN 312
	Surface	Direct coating on melamine resin basis according to standard: DIN 52 361 Carcase has same decor inside and out
3.	**Back panel**	Thickness: 3,2 mm
	Material	HDF according to standard: EN 622
	Surface	Varnished and printed on the inside in the same way as for outside

Technical Product Description

	Carcase Material	
4.	**Side panel, base, and back panel connection**	
	Wall units	Shelf and side panels with 5 wood dowels (Ø 8x30 mm) Glued in each corner connection
	Base units	Shelf and side panels with 6 wood dowels (Ø 8x30 mm) Glued in each corner connection
	Back panel	Grooved in 6 mm deep in the side panel, fastener at top and bottom to base (length of fastener: 30 mm)
5.	**Fastening of the loose shelves**	4 or 5 pure metal shelf holders with safety plugs, placeable in 5 mm holes in the unit sid
6.	**Securing the loose shelves against being pulled out**	The bottom beam secures the loose shelves using a safety plug
7.	**Adjustment of the loose shelves**	Depending on the unit type, 5 - 10 times in intervals from 64 mm using a hole grid

	Plinth	
1.	**Plinth panel**	Thickness: 12 mm
	Material	Chipboard according to standard: DIN EN 312
	Surface	Direct laminate on melamine resin base, optionally veneered and varnished according to standard: DIN 52 361
2.	**Surface of plinth front**	Matt, decor as for carcase or in special colours
3.	**Plinth connection to the ground**	On the plinth ledge, there is a 5 mm wide sealing lip made of PP, water-resistant The plinth trim is pressed hard against the floor using a catch element
4.	**Plinth height**	From 5 to 30 cm, standard heights 5, 7, 9, 12, 15 and 17 cm
	Height adjustment	Using the plinth feet 15 mm up and 10 mm down

	Hinges	
1.	**TYPE / Style**	Clip-on hinge fastening
2.	**Material**	Metal
3.	**Fastening**	Double screwed in a 10 mm hole with plastic spreading dowel
4.	**Opening angle**	105° with standard executions

Technical Product Description

	Hinges	
5.	**Adjustment**	- Up / down +/-2 mm - Depth adjustment 4 mm in summary using Exenter screw - Distance + 1 mm, - 2.5 mm using set screw
	Number per door	Two hinges per front, for fronts 1200mm and up three hinges are required
	Locking function	A spring mechanism in the hinge ensures the opening / closing mechanism / automatic locking function
6.	**Cushioning**	Integrated cushioning element as standard

	Wall Unit Suspension	
1.	**Material**	Metal, loadable to 65kg (DIN-standard assembly is required)
2.	**Number per door**	2 per unit, 3 in a 120 cm with unit and 3 in the 80 + 90 cm width corner unit
3.	**Type of adjustment**	- Fastening to the wall + 17 mm - Height max. 13 mm up, max. 13 mm down
4.	**Type of fastening in the carcase**	Double screwed in the carcase side panel in a 10 mm hole with a plastic spreading dowel
5.	**Fastening to the building wall**	- Metal suspension rails - Length = unit width - 40 mm - 2 or 4 special fastening screws (5.5 x 65 cylinder head) with high-quality universal dowels

	Drawer Systems	
1.	**Material**	Steel frame, steel rear wall with 16 mm chipboard shelf
2.	**Construction**	Steel frame with locked shelf
3.	**Connection front / frame**	- Positive, detachable engagement connection - Adapter dowelled into the front panel - Adjustment: Height: ± 2 mm using Exenter screw, side: ±1.5 mm - Tilting when pulled out: + 2 mm (based on 500 mm panel height)
4.	**Cushioning**	Integrated cushioning element as standard

Technical Product Description

	Drawer Systems – Bearing	
1.	**Style**	Ball-bearing rail with self-closing runner, Premium Line
2.	**Type**	pull-out drawer
3.	**Material**	Steel
4.	**Load capacity**	- Load-bearing capacity for drawers up to max. 40 kg - Load-bearing capacity for pull-outs in a depth 350 and 500 mm up to max. 40 kg - Load-bearing capacity for pull-outs max. 40 kg up to a width of 600 mm - Load-bearing capacity for pull-outs max. 60 kg for a width of 800 and 900 mm - Load-bearing capacity for pull-outs max. 70 kg with a width of 1000 mm - Load-bearing capacity for pull-outs max. 80 kg with a width of 1200 mm - Load-bearing capacity for pull-outs max. 80 kg with a width of 800 mm upwards and the depth of 750 mm
5.	**Protection against pulling out**	Drawer stopper built into the runners

	Carcase Dimensions	
1.	**Base units**	Carcase height 300/450/600/750/900 mm, carcase depth 350/460/560/710 mm
2.	**Wall units**	Carcase height 300/450/600/750/900 mm, carcase depth 350 mm
3.	**Tall Units**	Carcase height 1050/1350/1500/1950/2100/2250 mm, carcase depth 350/460/560 mm

	Further Functional Fittings	
1.	**Supply cabinet VVA**	Load capacity: 16 kg drawer load capacity per shelf Drawer: full pull-out with cushioning
2.	**Supply cabinet VDA**	Load capacity: 16 kg drawer load capacity per shelf Drawer: full pull-out with cushioning
3.	**Supply cabinet VVK**	Load capacity: 10 kg drawer load capacity per shelf 4 kg door rack load capacity per shelf
4.	**Base unit UVK/UVSK**	Load capacity: UVK 8 kg and UVSK 6 kg drawer load capacity per shelf Drawer: full pull-out with cushioning
5.	**Corner unit UEA**	Load capacity: 15 kg load capacity per shelf
6.	**Corner unit UEK/UET/ UERT/UERB**	Load capacity: 20 kg load capacity per shelf
8.	**Wall units HET**	Load capacity: 8 kg load capacity per shelf
9.	**Corner unit UELA**	Load capacity: 20 kg load capacity per shelf
10.	**Side unit VELA**	Load capacity: 20 kg load capacity per shelf
11.	**Glass shelf**	Load capacity: 10 kg load capacity per shelf

Technical Product Description

	Small Glossary of Technical Terms	
1.	**Laminate**	Surface coating consisting of resin-impregnated paper applied to a wooden board. The surface is formed by the texture impressed in the surface from glossy to textured.
2.	**Direct coating**	Melamine resin-impregnated decorative paper to create a high-quality decorative surface
3.	**Chipboard**	Wood panel material, created from wood chips and glue
4.	**MDF**	Fibreboard of medium density, manufactured from wood chips and glue
5.	**HDF**	Fibreboard of high density, manufactured from wood chips and glue
6.	**Load capacity**	Load weight plus own weight of the system including front weight
7.	**Drawer**	The drawer / pull-out can be pulled out of the unit to its full usable depth, only the back panel remains in the unit
8.	**DIN / EN**	German Industrial Standard / European Standard Requirements and properties of materials and finished products

Technical Product Description

	Small Glossary of Technical Terms	
9.	**Clip-on hinge**	The hinge is clipped on the mounting plate; no tools are required.
10.	**Glossy / matt plastic**	Resin-impregnated paper is applied directly to the wood panel under pressure and at a high temperature. The surface is defined by the texture impressed onto the surface, from glossy to textured.
11.	**Varnished or coated foil**	The wood panel material, here MDF, is coated at the front panel and at the edges with a polymer foil. The rear of the front is finished in glossy/matt plastic in the same decor.
12.	**Postforming**	The laminate applied to the front side is bent over the long edge under pressure and at a high temperature.
13.	**Nature**	Surface treatment using foils that give the front a surface that resembles natural wood.
14.	**Hand patinated**	Lacquering process in which the profiles are reconstructed by hand to give an effect of an antique kitchen. The hand work means that each front is unique.
15.	**Varnished**	After a multi-layer application of varnish, the front has a high-quality surface - even on the rear side and all edges.
16.	**Wood**	Naturally grown raw materials that retain their natural beauty and individuality with a hardwearing application of varnish.