

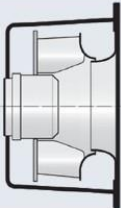
## The new ebm-papst global material numbering system

ebm-papst is introducing a new global material number system to ensure that all ebm-papst product designations around the world follow a standardized and consistent system, no matter where a product is purchased, developed, manufactured, or sold.

The new global material number system consists of two components:

- Material number
- Type designation

Below is an extract from a catalogue showing the type code (Typ) and material number (Material-Nr.).

					
Radialventilator			Radialmodul mit Tragspinne		
Typ	Material-Nr.	Masse	Typ	Material-Nr.	Masse
		kg			kg
VBS0355XTRHS	8300170076	4,20	VBH0355NTRLS	8300192889	8,50
VBS0355XTRHS	R3G355AI5601	4,60	VBH0355NTRLS	K3G355AY4002	8,90
VBS0355XTRHS	8300139741	4,50	VBH0355NTRLS	8300149919	8,80

### Material number

The ten-digit material number is unique for each product and will be assigned to all newly developed products. The part numbers of existing products do not change, meaning that all existing approvals remain valid. It is essential that the unique material number is used for orders.

## Type designation

The type designation contains important information about a product in coded form. Both existing and new products will be given a new type designation.

The type designation is not unique which is why material number for new products or part number for existing products must be used when ordering.

The new type designation consists of 12 digits. The first digit indicates the product category (e.g. fan, motor, pump, electronics, gas valve, etc.). The meaning of each digit fundamentally depends on the previous digits.

The following tables can be used to decode the type designation to understand basic product attributes

Type designation guide for axial fans:

Product category		Product type Airflow direction		Product style		Diameter	Further technical information for internal use only
V	fan	V	Axial "V"	Y	Standard	4 digits for nominal impeller diameter [mm]	
		A	Axial "A"				
		M	Guard grille "V"	A	Axial mounted		
		N	Guard grille "A"	R	Radial mounted		
				P	Flat guard grille axial mounted		
				Q	Flat guard grille radial mounted		
				B	Support bracket axial mounted		
				S	Support bracket radial mounted		
		W	Wall ring "V"	A	Angled wall ring with guard function		
		U	Wall ring "A"	R	Round wallring with guard function		
				T	Round wall ring with trimming with guard function		
				G	Round wallring with trimming without guard function		
				B	Angled wallring without guard function		
				S	Round wallring without guard function		
				M	Several fans		
				K	Combination		
1		2		3		4-7	8-12

Type designation guide for centrifugal and diagonal fans:

Product category		Product type Airflow direction		Product style		Diameter	Further technical information for internal use only
V	fan	F H	Centrifugal, forward-curved	S	Single inlet	4 digits for nominal impeller diameter [mm]	
			Blower, forward-curved	D	Double inlet		
				M	Multiple inlet		
				W	Without cover plate		
		B C	Centrifugal, backward-curved	S	Single inlet		
			Blower, backward-curved	H	Single-inlet wall hanging combination		
				F	Single-inlet floor standing combination		
				D	Double inlet		
				M	Multiple inlet		
				W	Without cover plate		
				K	Combination		
		S P	Centrifugal, straight	C	With cover plate		
			Blower, straight	W	Without cover plate		
		D E	Diagonal "V"	Y	Standard		
			Diagonal "A"	K	Combination		
		J	Diagonal centrifugal	K	Combination		
				M	Multiple inlet		
				H	Single-inlet wall hanging combination		
				F	Single-inlet floor standing combination		
				S	Single inlet		
				D	Double inlet		
		Q R	Diagonal with guard grill "V"	A	Installed axially		
			Diagonal with guard grill "A"	R	Installed radially		
				P	Flat guard grill installed axially		
				Q	Flat guard grill installed radially		
				B	Support ring installed axially		
				S	Support ring installed radially		
		K L	Diagonal with wallring "V"	A	Angled wallring with guard function		
			Diagonal with wallring "A"	R	Round wallring with guard function		
				B	Angled wallring without guard function		
				S	Round wallring without guard function		
				M	Several fans		
				K	Combination		
					Round wallring with trimming with guard function		
				T	function		
					Round wallring with trimming without guard function		
				G	function		
1		2		3		4-7	8-12

Type designation guide for compact axial and compact diagonal fans:

Product category		Product type Airflow direction		Product style		Overall length		Diameter	Further technical information for internal use only
V	fan	W	Axial with fan housing "V"	C	Compact, rectangular without protective function	A	<= 10 mm	3 digits for nominal impeller diameter [mm]	
		U	Axial with fan housing "A"	D	Compact, rectangular with protective function	B	11 - 15 mm		
		K	Diagonal with fan housing "V"	E	Compact, round without protective function	C	16 - 20 mm		
		L	Diagonal with fan housing "A"	F	Compact, round with protective function	D	21 - 26 mm		
					Compact, round with trimming without protective function	E	27 - 32 mm		
					L function	F	33 - 38 mm		
					H Compact, round with trimming with protective function	G	39 - 54 mm		
					J Compact, several fans	H	55 - 70 mm		
						J	71 - 80 mm		
						K	81 - 90 mm		
						L	> 90 mm		
1		2		3		4		5-7	8-12

Type designation guide for motors and drives:

Product category		Product type Airflow direction		Diameter	Further technical information for internal use only
D	Drive unit	A	Asynchronous motor - external rotor	3 digits for nominal motor diameter [mm]	
		W	Asynchronous motor - internal rotor		
		T	Shaded pole motor, external rotor		
		S	Shaded pole motor, internal rotor		
		V	Electronically commutated DC motor, external rotor		
		E	Electronically commutated DC motor, internal rotor		
		K	Electronically commutated claw pole DC motor, external rotor		
		B	Brush commutated DC motor, internal rotor		
1		2		3-5	6-12

For any questions or further information, please contact your local ebm-papst team for assistance.

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