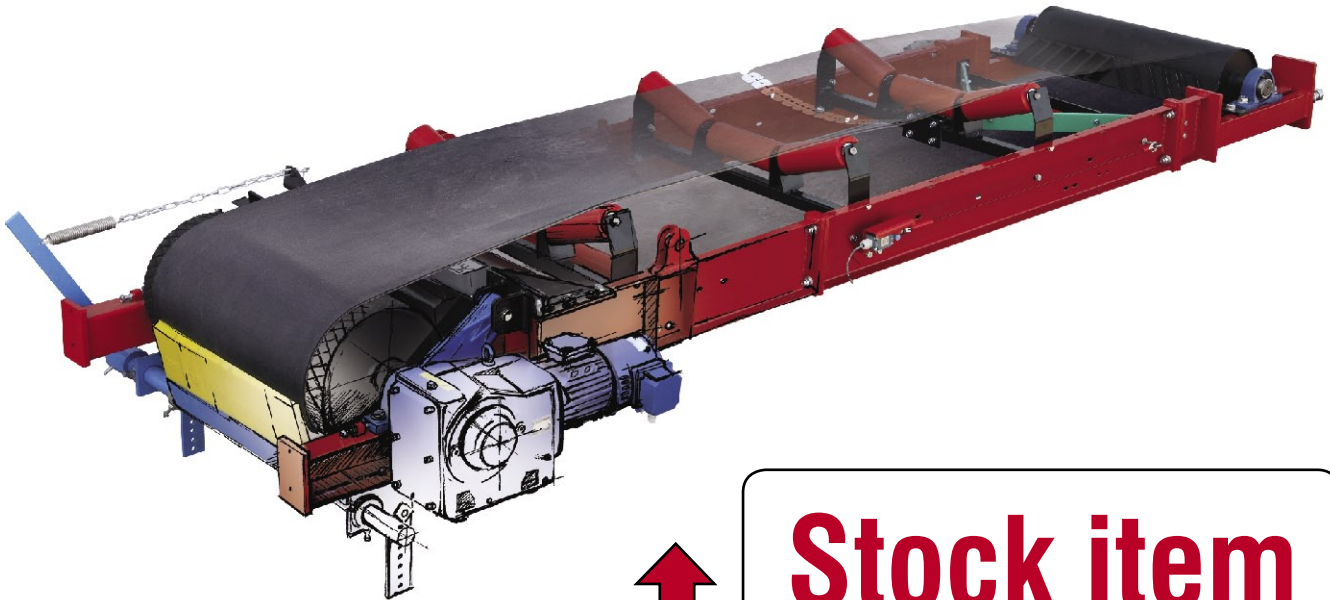


# One week delivery!



## Modular beltconveyors BC650 and BC1000

Belt width of the standard modular conveyor BC650 and BC1000		$W_{BC650} = 650 \text{ mm}$ ; $W_{BC1000} = 1000 \text{ mm}$
Drive end module	Carrying module	Tail end module
Overall dimension of the module $L_{DM} = 1600 \text{ mm}$ Pulley center distance $L_{TS1} = 1300 \text{ mm}$	Overall dimension of the module $L_{CM} = 3000 \text{ mm}$	Overall dimension of the module $L_{TM} = 730 \text{ mm}$ Pulley center distance $L_{TS2} = 350 \dots 550 \text{ mm}$ Tension distance $L_{PING} = 200 \text{ mm}$
PRICE 3700 EUR	PRICE 1400 EUR	PRICE 1500 EUR



# Stock item



\*EXW Tallinn prices valid in 2006 / Net prices does not include V.A.T.

Modular beltconveyors BC650 and BC1000



**TECHNOBALT**  
PRODUCTION

Before offering we need to know:

Properties of the transportable material	Transportable material	
	Density	t/m <sup>3</sup>
	Average fraction	mm
	or average diameter of the particles	mm
	max diameter of the material particles	mm
	Temperature	°C
	Falling angle	°
External conditions	Max. volume on the belt	kg/m
	Working temperature	°C
	Humidity	%
	Material source	
Mechanical data of the conveyor	Material destination	
	Max. productivity	t/h
	Expected length of the conveyor	mm
	or distance between drum centers	mm
	Inclination of the conveyor	°
	or difference of heights of pulleys centers	mm
	or high of the material source and high of the material destination	mm
	Width of the conveyor belt	mm
Belt speed	m/s	

Length calculation of BC type module conveyors

**Conveyor length** = Drive end length + overall length of carrying module + tail end module length

$$L_{BC} \text{ (mm)} = L_{DM} \text{ (mm)} + L_{TM} \text{ (mm)} + n \times L_{CM} \text{ (mm)} = 2330 + n \times 3000$$

$$L_{DM} = 1600 \text{ mm} \quad L_{CM} = 3000 \text{ mm} \quad L_{TM} = 730 \text{ mm} \quad n = \text{number of carrying modules}$$

$$\text{Calculation of the number of carrying modules} \quad n = (L_{BC} - 2330)/3000$$

the result has to be rounded up to the nearest integer.

**FOR EXAMPLE** If the expected length of the conveyor is 26 m, then  $n = (26000 - 2330)/3000 = 7,9$   
Order amount of carrying modules  $n = 8$  and  $L_{BC} = 26330 \text{ mm}$

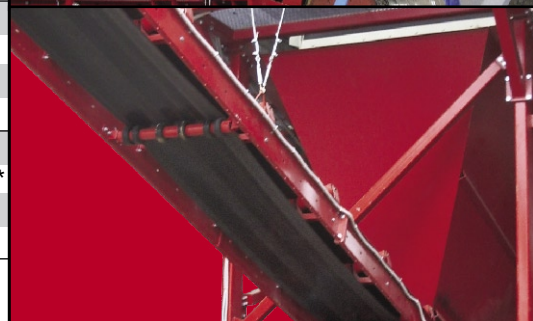
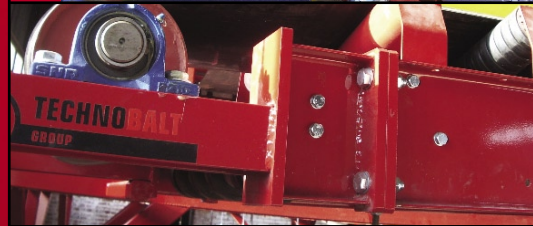
Assistent for choosing installed drive power of BC type conveyors

Density of conveyed material 1,6 t/m<sup>3</sup>, conveyor belt wight 1000 mm

	v (m/s)	Material on the belt 40 kg/m					v (m/s)	Material on the belt 80 kg/m						
		Productivity (t/h)	Inclination (°)					Productivity (t/h)	Inclination (°)					
			0°	5°	10°	15°			20°	0°	5°	10°	15°	20°
Installed power (kW)														
Conveyor length 11 m	0,5	72	0,75	1,1	1,1	1,5	1,5	0,5	144	2,2	2,2	2,2	2,2	3
	1,0	144	2,2	2,2	2,2	3	3	1,0	288	4	4	4	5,5	5,5
	1,5	216	3	3	4	4	5,5	1,5	432	5,5	5,5	5,5	7,5	7,5
	2,0	288	4	4	5,5	5,5	7,5	2,0	720	7,5	7,5	7,5	9,2	11*
Conveyor length 25 m	0,5	72	2,2	2,2	2,2	3	3	0,5	144	3	3	4	4	4
	1,0	144	3	3	4	5,5	5,5	1,0	288	5,5	5,5	7,5	9,2	11*
	1,5	216	5,5	5,5	7,5	7,5	9,2	1,5	432	9,2	9,2	11*	15*	15*
	2,0	288	7,5	7,5	9,2	11*	11*	2,0	720	9,2	9,2	15*	18,5*	22*
Conveyor length 50 m	0,5	72	2,2	3	4	5,5	5,5	0,5	144	4	4	7,5	7,5	9,2
	1,0	144	5,5	5,5	7,5	9,2	11*	1,0	288	9,2	9,2	15*	15*	18,5*
	1,5	216	7,5	7,5	11*	15*	15*	1,5	432	15*	15*	18,5*	30*	30*
	2,0	288	11*	11*	15*	18,5*	22*	2,0	720	15*	18,5*	30*	30*	37*

Standard with SK9032.1 housing, holow shaft Ø50 mm and installed power up to 9,2 kW

\* Drives with installed power over 9,2 kW available with special orders.



PRICES VALID IN 2006

