

Comparison of warehousing systems

Turnover 11 -fold each year

Movements per year (in) : 468.030 pallets

Movements per year (out) : 468.030 pallets

pallet places (brutto) : 45.264

average usage of pallet places 42.548

rent per qm (incl.utility consumptio 4,75 €

costs per staff (gross pay) : 2.117 €

unutilized work time : 15%

other costs for staff : 40%

total costs per staff per minute : 0,34 €

parameter : 3.715 movements per day basis for the number of automatic vehicles is the maximum required mover 302 Bew. p. h.

Systemnr. :	1	2	3	4	5	6	7	8	9	10	11
	block storage	standard racking	wide alley racking syst.	narrow alley racking syst.	compact racking system	sloped racks	sattelite racking syst.	High bay 1 - pallet	High bay 2 - pallet	movable racks	DIS system
possible usage :	70%	80%	95%	95%	94%	85%	85%	95%	93%	95%	85%
levels	€/ place	€/ place	€/ place	€/ place	€/ place	€/ place	€/ place	€/ place	€/ place	€/ place	€/ place
2 levels	7,99	7,21	9,84	8,47	5,61	7,96	6,55	12,81	10,27	7,28	7,92
3 levels	5,98	5,60	7,39	6,70	4,37	6,36	5,18	10,61	8,40	5,92	6,43
4 levels	4,98	4,79	6,17	5,81	3,74	5,55	4,50	9,50	7,46	5,23	5,69
5 levels	-	4,31	5,44	5,28	3,37	-	-	-	-	-	-
6 levels	-	-	-	-	-	-	-	-	-	-	-
7 levels	-	-	-	-	-	-	-	-	-	-	-
8 levels	-	-	-	-	-	-	-	-	-	-	-
9 levels	-	-	-	-	-	-	-	-	-	-	-
10 levels	-	-	-	-	-	-	-	-	-	-	-
11 levels	-	-	-	-	-	-	-	-	-	-	-
12 levels	-	-	-	-	-	-	-	-	-	-	-
13 levels	-	-	-	-	-	-	-	-	-	-	-
Lowes costs :	4,98 €	4,31 €	5,44 €	5,28 €	3,37 €	5,55 €	4,50 €	9,50 €	7,46 €	5,23 €	5,69 €
Teurer um :	48%	28%	61%	57%	0%	65%	34%	182%	121%	55%	69%