



Comparison test
Energy efficiency index

Circulation pumps
different
manufacturer

VDE - Procedure:

- Product Selection
- Test sample purchase
- Tests



Alpha 25-40 180

Alpha 25-60 180



ID. 40041138

Testing and
Certification
Institute

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Basis of valuation

Energieeffizienzindex (EEI) DIN EN 16297-1:2013
DIN EN 16297-2:2013



Product specifications in accordance with the manufacturer's instructions

Manufacturer	Types	Delivery height	Energy efficiency index	Rated voltage	Rated frequency	Rated power	Nominal pressure	Max. Perm. Media temperature
		m	EEI	V	Hz	W/A	bar	°C
Grundfos	ALPHA2 25-40 180 MODEL B	4	≤ 0,15	230	50/60	3..18W	10	110
Wilo	Stratos PICO 25/1-4 (DE)	4	≤ 0,16	230	50/60	3..25W	10	110
IMP	NMT25/40	4	≤ 0,20	230	50	5..25W	10	95
Halm	HEP PLUS 25-4.0 E180	4	≤ 0,20	230	50	4..23W	10	95
KSB	Calio S 25-40	4	≤ 0,21	230	50/60	0,23A	10	95
Xylem / Lowara	ecocirc PREMIUM 25-4/180	4	≤ 0,21	200-240	50/60	4..23W	10	110

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		m	EEI	V	Hz	W/A	bar	°C
Grundfos	ALPHA2 25-60 180 MODEL B	6	≤ 0,17	230	50/60	3..34W	10	110
Wilo	Stratos PICO 25/1-6 (DE)	6	≤ 0,20	230	50/60	3..40W	10	110
IMP	NMT25/60	6	≤ 0,22	230	50	7..50W	10	95
KSB	Calio S 25-60	6	≤ 0,23	230	50/60	0,46A	10	95
Xylem / Lowara	ecocirc PREMIUM 25-6/180	6	≤ 0,23	200-240	50/60	4..42W	10	110
Askoll	ES 25-60/180	6	≤ 0,27	230	50	0..53W	10	95

Evaluation Energy efficiency index (EEI)

Manufacturer	Types	Delivery height	VDE Ranking / Test result (EEI)
		m	Shorter column = Higher energy efficiency
Grundfos	ALPHA2 25-40 180	4	
Wilo	Stratos PICO 25/1-4	4	
IMP	NMT25/40	4	
Halm	HEP PLUS 25-4.0 E180	4	
KSB	Calio S 25-40	4	
Xylem / Lowara	ecocirc PREMIUM 25-4/180	4	

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Wilo	Stratos PICO 25/1-6	6	
Xylem / Lowara	ecocirc PREMIUM 25-6/180	6	
Askoll	ES 25-60/180	6	
KSB	Calio S 25-60	6	
IMP	NMT25/60	6	

Important note:

This special certificate serves as evidence for the product characteristics mentioned. Safety evaluations are not part of this certification. The compliance with the required general safety requirements according to corresponding EU Directives has to be ensured by the manufacturer or the distributor respectively. The use of the mark for promotional purposes is at the own risk and liability of the manufacturer / supplier.