MINIMUM EFFICIENCY INDEX
DATA SHEET

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Minimum efficiency index (MEI) means the dimensionless scale unit for hydraulic pump efficiency at best efficiency point (BEP), part load (PL) and overload (OL). The Commission Regulation (EU) sets efficiency requirements to MEI ≥ 0.40 as from 1 January 2015.

The benchmark for water pump efficiency is MEI ≥0.70 and therefore this limits the numerical value quoted for any model.

The efficiency of a pump with a trimmed impeller is usually lower than that of a pump with the full impeller diameter. The trimming of the impeller will adapt the pump to a fixed duty point, leading to reduced energy consumption. The minimum efficiency index (MEI) is based on the full impeller diameter.

The operation of this water pump with variable duty points may be more efficient and economic when controlled, for example, by the use of a variable speed drive that matches the pump duty to the system.

For disassembly, recycling or disposal at end-of-life procedures, please contact the nearest Armstrong respresentative. Information on benchmark efficiency is available at http://europump.eu/efficiencycharts

** Not in MEI classification because flow at best efficiency point is less than 6 m^3/h.

STANDARD	PRODUCT SERIES	PUMP SIZE	RPM	MEI
IEC	4300	40–150	2900	0.56
IEC	4300	40–200	1450	0.70
IEC	4300	40–200	2900	0.55
IEC	4300	50–150	1450	0.70
IEC	4300	50–150	2900	0.59
IEC	4300	50–200	1450	0.70
IEC	4300	50–200	2900	0.70
IEC	4300	50–250	1450	0.70
IEC	4300	50–250	2900	0.47
IEC	4300	80–150	1450	0.66
IEC	4300	80–150	2900	0.45
IEC	4300	80–200	1450	0.70
IEC	4300	80–200	2900	0.70
IEC	4300	80–250	1450	0.70
IEC	4300	80–250	2900	0.63
IEC	4300	80–330	1450	0.45
IEC	4300	80–330	2900	0.45
IEC	4300	100–150	1450	0.42
IEC	4300	100–150	2900	0.44
IEC	4300	100–200	1450	0.46
IEC	4300	100–200	2900	0.54
IEC	4300	100–250	1450	0.43
IEC	4300	100–250	2900	0.42
IEC	4300	100–290	1450	0.70
IEC	4300	100–290	2900	0.70
IEC	4300	100–330	1450	0.70
IEC	4300	100–330L	1450	0.58
IEC	4300	125–200	1450	0.45

STANDARD	PRODUCT SERIES	PUMP SIZE	RPM	MEI
IEC	4300	125–200	2900	0.45
IEC	4300	125–290	1450	0.69
IEC	4300	125–290	2900	0.59
IEC	4300	125–330	1450	0.70
IEC	4300	125–330H	1450	0.70
IEC	4300	150–150	1450	0.70
IEC	4300	150–200	1450	0.70
IEC	4300	150–250	1450	0.70
IEC	4300	150–250	2900	0.60
IEC	4300	150–290	1450	0.70
IEC	4300	150–330	1450	0.61
IEC	4300	150–330H	1450	0.55
IEC	4300	200–200	1450	0.58
IEC	4300	200–250	1450	0.46
IEC	4300	200–290	1450	0.69
IEC	4300	200–330	1450	0.70
IEC	4300	200–330	2900	0.63
IEC	4300	200–375	1450	0.70
IEC	4300	250–330	1450	0.47
IEC	4300	250–330	2900	0.47
IEC	4300	250–375	1450	0.43
IEC	4300	300–330	1450	0.51
IEC	4300	300–430	1450	0.70
IEC	4300	350–350	1450	0.70
IEC	4300	350–380	1450	0.70
IEC	4300	400–380	1450	0.70
IEC	4300	400–380L	1450	0.70
IEC	4300	400–380H	1450	0.70

STANDARD	PRODUCT SERIES	PUMP SIZE	RPM	MEI
IEC	4300	400–480	1450	0.70
IEC	4300	500–480	1450	0.70
IEC	4380	32–120 H&B	2900	0.58
IEC	4380	40–150	2900	0.56
IEC	4380	40–200	1450	0.70
IEC	4380	40–200	2900	0.55
IEC	4380	50–150	1450	0.70
IEC	4380	50–150	2900	0.59
IEC	4380	50–200	1450	0.70
IEC	4380	50–200	2900	0.70
IEC	4380	50–250	1450	0.70
IEC	4380	50–250	2900	0.47
IEC	4380	80–125 H&B	1450	0.70
IEC	4380	80–125 H&B	2900	0.68
IEC	4380	80–150	1450	0.66
IEC	4380	80–150	2900	0.45
IEC	4380	80–200	1450	0.70
IEC	4380	80–200	2900	0.70
IEC	4380	80–250	1450	0.70
IEC	4380	80–250	2900	0.63
IEC	4380	80–330	1450	0.45
IEC	4380	80–330	2900	0.45
IEC	4380	100–150	1450	0.42
IEC	4380	100–150	2900	0.44
IEC	4380	100–200	1450	0.46
IEC	4380	100–200	2900	0.54
IEC	4380	100–250	1450	0.43
IEC	4380	100–250	2900	0.44
IEC	4380	100–290	1450	0.70
IEC	4380	100–330	1450	0.70
IEC	4380	100–330L	2900	0.48
IEC	4380	125–200	1450	0.45
IEC	4380	125–200	2900	0.45
IEC	4380	125–290	1450	0.69
IEC	4380	125–330	1450	0.70
IEC	4380	125–330H	1450	0.70
IEC	4380	150–150	1450	0.70
IEC	4380	150–200	1450	0.65
IEC	4380	150–250	1450	0.70
IEC	4380	150–250	2900	0.70
IEC	4380	150–290	1450	0.70
IEC	4380	150–330	1450	0.61
IEC	4380	150–330H	1450	0.55
IEC	4380	200–200	1450	0.58
IEC	4380	200–250	1450	0.46
IEC	4380	200–290	1450	0.69
IEC	4380	200–315 H&B	1450	0.59

STANDARD	PRODUCT SERIES	PUMP SIZE	RPM	MEI
IEC	4380	200–330	1450	0.70
IEC	4030	25–150	1450	0.44
IEC	4030	25–150	2900	0.43
IEC	4030	25–200	1450	0.43
IEC	4030	25–200	2900	0.47
IEC	4030	25–250	1450	0.62
IEC	4030	25–250	2900	0.48
IEC	4030	40–150	1450	0.44
IEC	4030	40–150	2900	0.55
IEC	4030	40–200	1450	0.70
IEC	4030	40–200	2900	0.52
IEC	4030	40–250	1450	0.70
IEC	4030	40–250	2900	0.70
IEC	4030	40–330	1450	0.70
IEC	4030	40–330	2900	0.67
IEC	4030	50–150	1450	0.46
IEC	4030	50–150	2900	0.44
IEC	4030	50–200	1450	0.66
IEC	4030	50–200	2900	0.44
IEC	4030	50–250	1450	0.70
IEC	4030	50–250	2900	0.59
IEC	4030	50–330	1450	0.70
IEC	4030	50–330	2900	0.61
IEC	4030	65–150	1450	0.50
IEC	4030	65–150	2900	0.70
IEC	4030	65–200	1450	0.42
IEC	4030	65–200	2900	0.42
IEC	4030	65–250	1450	0.70
IEC	4030	65–250	2900	0.70
IEC	4030	80–150	1450	0.70
IEC	4030	80–150	2900	0.70
IEC	4030	80–200	1450	0.62
IEC	4030	80–200	2900	0.53
IEC	4030	80–250	1450	0.42
IEC	4030	80–250	2900	0.45
IEC	4030	80–290	1450	0.64
IEC	4030	80–330	1450	0.70
IEC	4030	100–200	1450	0.49
IEC	4030	100–200	2900	0.45
IEC	4030	100–200	1450	0.49
IEC	4030	100–200	2900	0.45
IEC	4030	100–250	1450	0.49
IEC	4030	100–250	2900	0.49
IEC	4030	100–290	1450	0.62
IEC	4030	100–330	1450	0.69
IEC	4030	100–330H	1450	0.52
IEC	4030	125–330	1450	0.46

STANDARD	PRODUCT SERIES	PUMP SIZE	RPM	MEI
IEC	4030	125–330H	1450	0.54
IEC	4030	125–250	1450	0.63
IEC	4030	150–250	1450	0.61
IEC	4030	150–290	1450	0.51
IEC	4030	150–330	1450	0.41
IEC	4030	150–375	1450	0.70
IEC	4030	150–400 H&B	1450	0.60
IEC	4030	200–200	1450	0.41
IEC	4030	200–330	1450	0.41
IEC	4030	200–375	1450	0.41
IEC	4030	250–315 H&B	1450	0.63
IEC	4280	25–150	1450	0.48
IEC	4280	25–150	2900	0.43
IEC	4280	25–200	1450	0.41
IEC	4280	25–200	2900	0.47
IEC	4280	25–250	1450	0.67
IEC	4280	25–250	2900	0.54
IEC	4280	40–150	1450	0.44
IEC	4280	40–150	2900	0.62
IEC	4280	40–200	1450	0.70
IEC	4280	40–200	2900	0.59
IEC	4280	40–250	1450	0.70
IEC	4280	40–250	2900	0.70
IEC	4280	40–330	1450	0.70
IEC	4280	40–330	2900	0.70
IEC	4280	50–150	1450	0.49
IEC	4280	50–150	2900	0.44
IEC	4280	50–200	1450	0.70
IEC	4280	50–200	2900	0.44
IEC	4280	50–250	1450	0.70
IEC	4280	50–250	2900	0.66
IEC	4280	50–330	1450	0.70
IEC	4280	50–330	2900	0.61
IEC	4280	65–150	1450	0.50
IEC	4280	65–150	2900	0.70
IEC	4280	65–200	1450	0.45
IEC	4280	65–200	2900	0.47
IEC	4280	65–250	1450	0.70
IEC	4280	65–250	2900	0.70
IEC	4280	80–150	1450	0.70
IEC	4280	80–150	2900	0.70
IEC	4280	80–200	1450	0.67
IEC	4280	80–200	2900	0.59
IEC	4280	80–250	1450	0.42
IEC	4280	80–250	2900	0.45
IEC	4280	80–290	1450	0.69
IEC	4280	80–290	2900	0.62

STANDARD	PRODUCT SERIES	PUMP SIZE	RPM	MEI
IEC	4280	80–330	1450	0.70
IEC	4280	100–200	1450	0.49
IEC	4280	100–200	2900	0.45
IEC	4280	100–200	1450	0.49
IEC	4280	100–200	2900	0.45
IEC	4280	100–250	1450	0.54
IEC	4280	100–250	2900	0.55
IEC	4280	100–290	1450	0.62
IEC	4280	100–330	1450	0.70
IEC	4280	100–330H	1450	0.57
IEC	4280	125–330	1450	0.46
IEC	4280	125–330H	1450	0.54
IEC	4280	125–250	1450	0.42
IEC	4280	125–290	1450	0.53
IEC	4280	150–250	1450	0.61
IEC	4280	150–290	1450	0.51
IEC	4280	150–315 H&B	1450	0.41
IEC	4280	150–330	1450	0.40
IEC	4280	150–330 New	1450	0.61
IEC	4280	150–400 H&B	1450	0.65
IEC	4280	200–200	1450	0.41
IEC	4280	250–315 H&B	1450	0.68
IEC	4302/4382	80–150	1450	0.70
IEC	4302/4382	80–150	2900	0.59
IEC	4302/4382	80–200	1450	0.70
IEC	4302/4382	80–200	2900	0.70
IEC	4302/4382	80–250	1450	0.70
IEC	4302/4382	80–250	2900	0.47
IEC	4302/4382	100–150	1450	0.66
IEC	4302/4382	100–150	2900	0.45
IEC	4302/4382	100–200	1450	0.63
IEC	4302/4382	100–200	2900	0.70
IEC	4302/4382	100–250	1450	0.70
IEC	4302/4382	100–250	2900	0.63
IEC	4302/4382	150–150	1450	0.42
IEC	4302/4382	150–150	2900	0.44
IEC	4302/4382	150–200	1450	0.46
IEC	4302/4382	150–200	2900	0.54
IEC	4302/4382	150–250	1450	0.43
IEC	4302/4382	150–250	2900	0.42
IEC	4302/4382	200–200	1450	0.70
IEC	4302/4382	200–250	1450	0.70
IEC	4302/4382	200–250	2900	0.60
IEC	4302/4382	200–290	1450	0.44
IEC	4302/4382	200–330	1450	0.61
IEC	4312/4392	40–120	1450	0.58
IEC	4312/4392	40–120	2900	0.58

STANDARD	PRODUCT SERIES	PUMP SIZE	RPM	MEI
IEC	4312/4392	50–150	1450	0.49
IEC	4312/4392	50–150	2900	0.59
IEC	4312/4392	50–200	1450	0.70
IEC	4312/4392	50–200	2900	0.66
IEC	4312/4392	50–250	1450	0.50
IEC	4312/4392	50–250	2900	0.47
IEC	4312/4392	80–150	1450	0.70
IEC	4312/4392	80–150	2900	0.51
IEC	4312/4392	80–200	1450	0.70
IEC	4312/4392	80–200	2900	0.62
IEC	4312/4392	80–250	1450	0.70
IEC	4312/4392	80–250	2900	0.63
IEC	4312/4392	100–150	1450	0.70
IEC	4312/4392	100–150	2900	0.44
IEC	4312/4392	100–200	1450	0.46
IEC	4312/4392	100–200	2900	0.54
IEC	4312/4392	100–250	1450	0.43
IEC	4312/4392	100–250	2900	0.42
IEC	4312/4392	100–330	1450	0.70
IEC	4312/4392	150–200	1450	0.45
IEC	4312/4392	125–330	1450	0.70
IEC	4312/4392	200–315 H&B	1450	0.59
IEC	4200H/4280	25–150	2900	0.43
IEC	4200H/4280	25–150	2900	0.43
IEC	4200H/4280	25–150	2900	0.43
IEC	4200H/4280	25–150	2900	0.43
IEC	4200H/4280	25–150	2900	0.43
IEC	4200H/4280	40–150	1450	0.44
IEC	4200H/4280	40–150	1450	0.44
IEC	4200H/4280	40–150	1450	0.44
IEC	4200H/4280	40–150	2900	0.62
IEC	4200H/4280	40–150	2900	0.62
IEC	4200H/4280	40–150	2900	0.62
IEC	4200H/4280	40–150	2900	0.62
IEC	4200H/4280	40–150	2900	0.62
IEC	4200H/4280	40–150	2900	0.62
IEC	4200H/4280	65–150	1450	0.50
IEC	4200H/4280	65–150	1450	0.50
IEC	4200H/4280	65–150	1450	0.50
IEC	4200H/4280	65–150	1450	0.50
IEC	4200H/4280	65–150	2900	0.70
IEC	4200H/4280	65–150	2900	0.70
IEC	4200H/4280	65–150	2900	0.70
IEC	4200H/4280	65–150	2900	0.70
IEC	4200H/4280	65–150	2900	0.70
IEC	4200H	65–150	2900	0.70
IEC	4280	65–150	2900	0.70

STANDARD	PRODUCT SERIES	PUMP SIZE	RPM	MEI
IEC	4200H/4280	25–200	1450	0.41
IEC	4200H/4280	25–200	1450	0.41
IEC	4200H/4280	25–200	1450	0.41
IEC	4200H/4280	40–200	1450	0.70
IEC	4200H/4280	40–200	1450	0.70
IEC	4200H/4280	40–200	1450	0.70
IEC	4200H/4280	40–200	1450	0.70
IEC	4200H/4280	40–200	1450	0.70
IEC	4200H/4280	80–200	1450	0.67
IEC	4200H/4280	80–200	1450	0.67
IEC	4200H/4280	80–200	1450	0.67
IEC	4200H/4280	80–200	1450	0.67
IEC	4200H/4280	80–200	1450	0.67
IEC	4200H/4280	80–200	2900	0.59
IEC	4200H	80–200	2900	0.59
IEC	4280	80–200	2900	0.59
IEC	4200H	80–200	2900	0.59
IEC	4280	80–200	2900	0.59
IEC	4200H	80–200	2900	0.59
IEC	4280	80–200	2900	0.59
IEC	4200H	80–200	2900	0.59
IEC	4280	80–200	2900	0.59
IEC	4200H/4280	100–200	1450	0.49
IEC	4200H/4280	100–200	1450	0.49
IEC	4200H/4280	100–200	1450	0.49
IEC	4200H/4280	100–200	1450	0.49
IEC	4200H	100–200	2900	0.45
IEC	4280	100–200	2900	0.45
IEC	4200H	100–200	2900	0.45
IEC	4280	100–200	2900	0.45
IEC	4200H/4280	100–250	1450	0.54
IEC	4200H	100–250	1450	0.54
IEC	4280	100–250	1450	0.54
IEC	4200H	100–250	1450	0.54
IEC	4280	100–250	1450	0.54
IEC	4200H	100–250	2900	0.55
IEC	4280	100–250	2900	0.55
IEC	4200H	100–250	2900	0.55
IEC	4280	100–250	2900	0.55
IEC	4200H	100–250	2900	0.55
IEC	4280	100–250	2900	0.55
IEC	4200H	150–250	1450	0.42
IEC	4280	150–250	1450	0.42
IEC	4200H	150–250	1450	0.42
IEC	4280	150–250	1450	0.42
IEC	4200H	150–250	1450	0.42
IEC	4280	150–250	1450	0.42

STANDARD	PRODUCT SERIES	PUMP SIZE	RPM	MEI
IEC	4200H	150–250	1450	0.42
IEC	4280	150–250	1450	0.42
IEC	4200H	150–250	1450	0.42
IEC	4280	150–250	1450	0.42
IEC	4200H	150–250	1450	0.42
IEC	4280	150–250	1450	0.42
IEC	4200H	125–290	1450	0.53
IEC	4280	125–290	1450	0.53
IEC	4200H	125–290	1450	0.53
IEC	4280	125–290	1450	0.53
IEC	4200H	125–290	1450	0.53
IEC	4280	125–290	1450	0.53
IEC	4200H	125–290	1450	0.53
IEC	4280	125–290	1450	0.53
IEC	4200H	125–290	1450	0.53
IEC	4280	125–290	1450	0.53
IEC	4200H	150–330	1450	0.40
IEC	4200H	150–330	1450	0.40
IEC	4200H	150–330	1450	0.40
IEC	4200H	150–330	1450	0.40
IEC	4200H	150–330	1450	0.40
IEC	4200H	150–330	1450	0.40
IEC	4200H	200–330	1450	0.41
IEC	4200H	200–330	1450	0.41
IEC	4200H	200–330	1450	0.41
IEC	4200H	200–330	1450	0.41
IEC	4200H	200–330	1450	0.41
IEC	4200H	200–330	1450	0.41
IEC	4200H	200–330	1450	0.41
IEC	4200H	150–375	1450	0.70
IEC	4200H	150–375	1450	0.70
IEC	4200H	150–375	1450	0.70
IEC	4200H	150–375	1450	0.70
IEC	4200H	150–375	1450	0.70
IEC	4380	40–80	2900	0.70
IEC	4380	40–80	2900	0.70
IEC	4372	40–80	2900	0.70
IEC	4372	40–80	2900	0.70
IEC	4372	40–80	2900	0.70
IEC	4372	40–80	2900	0.70
IEC	4300/4380	50–125	2900	0.70
IEC	4300/4380	50–125	2900	0.70
IEC	4300/4380	50–125	2900	0.70
IEC	4300/4380	50–125	2900	0.70
IEC	4300/4380	50–125	2900	0.70
IEC	4300/4380	50–125	2900	0.70
IEC	4300/4380	50–125	2900	0.70

STANDARD	PRODUCT SERIES	PUMP SIZE	RPM	MEI
IEC	4322/4372	50–125	2900	0.70
IEC	4322/4372	50–125	2900	0.70
IEC	4322/4372	50–125	2900	0.70
IEC	4322/4372	50–125	2900	0.70
IEC	4322/4372	50–125	2900	0.70
IEC	4322/4372	50–125	2900	0.70
IEC	4322/4372	50–125	2900	0.70
IEC	4322/4372	50–125	2900	0.70
IEC	4322/4372	50–125	2900	0.70
IEC	4322/4372	50–125	2900	0.70
IEC	4322/4372	50–125	2900	0.70
IEC	4322/4372	50–125	2900	0.70
IEC	4322/4372	50–125	2900	0.70
IEC	4322/4372	50–125	2900	0.70
IEC	4300/4380	65–125	2900	0.70
IEC	4300/4380	65–125	2900	0.70
IEC	4300/4380	65–125	2900	0.70
IEC	4300/4380	65–125	2900	0.70
IEC	4322/4372	65–125	2900	0.70
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IEC	4322/4372	65–125	2900	0.70
IEC	4322/4372	65–125	2900	0.70
IEC	4300/4380	80–125	2900	0.70
IEC	4300/4380	80–125	2900	0.70
IEC	4300/4380	80–125	2900	0.70
IEC	4300/4380	80–125	2900	0.70
IEC	4300/4380	80–125	2900	0.70
IEC	4322/4372	80–125	2900	0.70
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IEC	4322/4372	80–125	2900	0.70
IEC	4322/4372	80–125	2900	0.70
IEC	4300/4380	80–150B	2900	0.70
IEC	4300/4380	100–150C	2900	0.70
IEC	4300/4380	125–150	2900	0.70
IEC	4300/4380	65–190	2900	0.70
IEC	4300/4380	80–190	2900	0.70
IEC	4300/4380	125–190	2900	0.70

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