

Motor pumps for installation on reservoir and direct installation at machines for oil circulation systems.

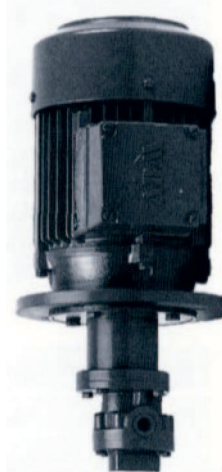
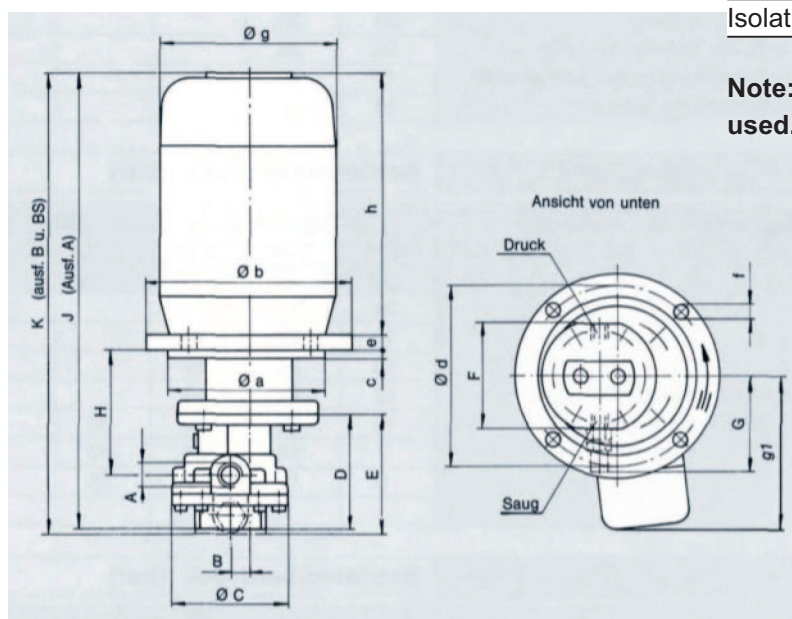
The suction height depending on the viscosity and the pipe cross section is approx. 1 m.

Pumps in special constructions can be delivered for divergent operating conditions.

Technical data

Supply volume:	see order table
Operating over pressure:	30 bar
Viscosity:	25 - 400 mm ² /s
Temperature range:	-20 °C to +80 °C
Material:	see flange pumps
Drive:	three phase motor
Voltage:	230 / 400 V
Frequency:	50 Hz
Nominal no. of revol.:	1400 min ⁻¹
Protection class:	IP 55
Isolation class:	F

Note: Beginning with 0,75 kW, IE2 motors are used. They differ dimensionally.



Dimensions Motor

Size BG	Nominal power (kW)	Flange Ø C	Ø a	Flange Dimensions (mm)					Motor Dim. (mm)		
				Ø b	c	Ø d	e	Ø f	Ø g	g ₁	h
71	0,25 / 0,37	105	110	160	4	130	9	9,5	140	110	207
80	0,55 / 0,75	120	130 / 150	200	4	165	10	9,5	156	134	234
90	1,10 / 1,50	140	150	200	4	175	10	9,5	178	144	284
100	2,20 / 3,00	160	180	250	4	215	12	11,5	194	144	308

Dimensions pump

Series	1			2				3			4			5		
Supply volume	≤ 3,0 = 3,5 = 4,0			≤ 9,0		= 11,0		all sizes			all sizes			all sizes		
Dimensions	Motor BG			Motor BG				Motor BG			Motor BG			Motor BG		
	71	71	71	71	80	71	80	71	80	90	80	90	100	80	90	100
A	G 1/4			G 3/8				G 1/2			G 3/4			G 1		
B	9			12				15			19			22,5		
C	61			82				98			114			140		
D	65	70	72	82	88		100			111			127			
E	65	70	72	86	92		106			119			134			
F	56			76				90			106			130		
G	58			73				85			100			120		
H	92	95	97	95	120	101	124	108	131	139	143	152	162	150	160	172
J	332			351	403	357	407	371	421	479	440	499	535	459	519	555
K	332			355	407	361	411	377	427	485	448	507	543	466	526	562

Subject to alterations!

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Gear pumps

Series MZE 1 to 5 - Motor pumps, vertical



Weight (kg)																
Series	Version A Motor (kW)								Version B and BS Motor (kW)							
	0,25	0,37	0,55	0,75	1,10	1,50	2,20	3,00	0,25	0,37	0,55	0,75	1,10	1,50	2,20	3,00
1	6,7	8,0							7,2	8,5						
2	7,4	8,7	11,1	12,5					7,9	9,2	11,6	13,0				
3		10,9	13,3	14,7	18,3	20,4				11,9	14,3	15,7	19,3	21,4		
4			15,1	16,5	20,1	22,2	26,8				16,1	17,5	21,1	23,2	27,8	
5				19,4	22,9	25,0	29,6	33,1				20,4	23,9	26,0	30,6	34,1

Order numbers Series 1								Operating over pressure (bar)				
Supply vol. (l/min)	Main-no.	1. Addition.no. Version						2. Addition.no. Motor (kW)				
		A/R	A/L	B/R	B/L	BS/R	BS/L	0,25	0,37			
	3013.....	..1..	..2..	..3..	..4..	..7..	..8..	..25	..26			
1,000	30130010...	A = without pressure limiting valve B = with pressure limiting valve, adjusted to operating over pressure or acc. to specification BS = like B, with reservoir feedback R = Supply direction right (as shown) L = Supply direction left						30	30			
1,500	30130015...							30	30			
2,000	30130020...							30	30			
2,500	30130025...							24	30			
3,000	30130030...							20	30			
3,500	30130035...							17	30			
4,000	30130040...							15	27			

Order numbers Series 2								Operating over pressure (bar)				
Supply vol. (l/min)	Main-no.	1. Addition.no. Version						2. Addition.no. Motor (kW)				
		A/R	A/L	B/R	B/L	BS/R	BS/L	0,25	0,37	0,55	0,75	
	3023.....	..1..	..2..	..3..	..4..	..7..	..8..	..25	..26	..27	..BA	
2,500	30230025...	Explanation of versions see above (Series 1)						24	30			
4,000	30230040...							15	27	30		
4,500	30230045...							13	24	30		
5,000	30230050...							12	22	30		
6,000	30230060...							10	18	28	30	
8,000	30230080...							7	13	21	30	
9,000	30230090...							6	12	18	28	

Order numbers Series 3								Operating over pressure (bar)				
Supply vol. (l/min)	Main-no.	1. Addition.no. Version						2. Addition.no. Motor (kW)				
		A/R	A/L	B/R	B/L	BS/R	BS/L	0,37	0,55	0,75	1,10	1,50
	3033.....	..1..	..2..	..3..	..4..	..7..	..8..	..26	..27	..BA	..BB	..BC
12,000	30330120...	Explanation of versions see above (Series 1)						9	14	20	30	
16,000	30330160...							6	10	15	22	30

Order numbers Series 4								Operating over pressure (bar)				
Supply vol. (l/min)	Main-no.	1. Addition.no. Version						2. Addition.no. Motor (kW)				
		A/R	A/L	B/R	B/L	BS/R	BS/L	0,55	0,75	1,10	1,50	2,20
	3043.....	..1..	..2..	..3..	..4..	..7..	..8..	..27	..BA	..BB	..BC	..BD
21,000	30430210...	Explanation of versions see above (Series 1)						8	11	17	24	30
28,000	30430280...							6	8	12	18	27

Order numbers Series 5								Operating over pressure (bar)				
Supply vol. (l/min)	Main-no.	1. Addition.no. Version						2. Addition.no. Motor (kW)				
		A/R	A/L	B/R	B/L	BS/R	BS/L	0,75	1,10	1,50	2,20	3,00
	3053.....	..1..	..2..	..3..	..4..	..7..	..8..	..BA	..BB	..BC	..BD	..BE
28,000	30530280...	Explanation of versions see above (Series 1)						8	12	18	27	30
36,000	30530360...							7	11	16	24	30
45,000	30530450...							5	8	11	17	23
50,000	30530500...								7	10	15	21
55,000	30530550...								6	9	14	19
60,000	30530600...								6	8	13	17
65,000	30530650...								5	8	12	15

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