



SYSTEMFLO

SAK 2, 4, 8 SERIES

Catalog

COOLANT PUMPS

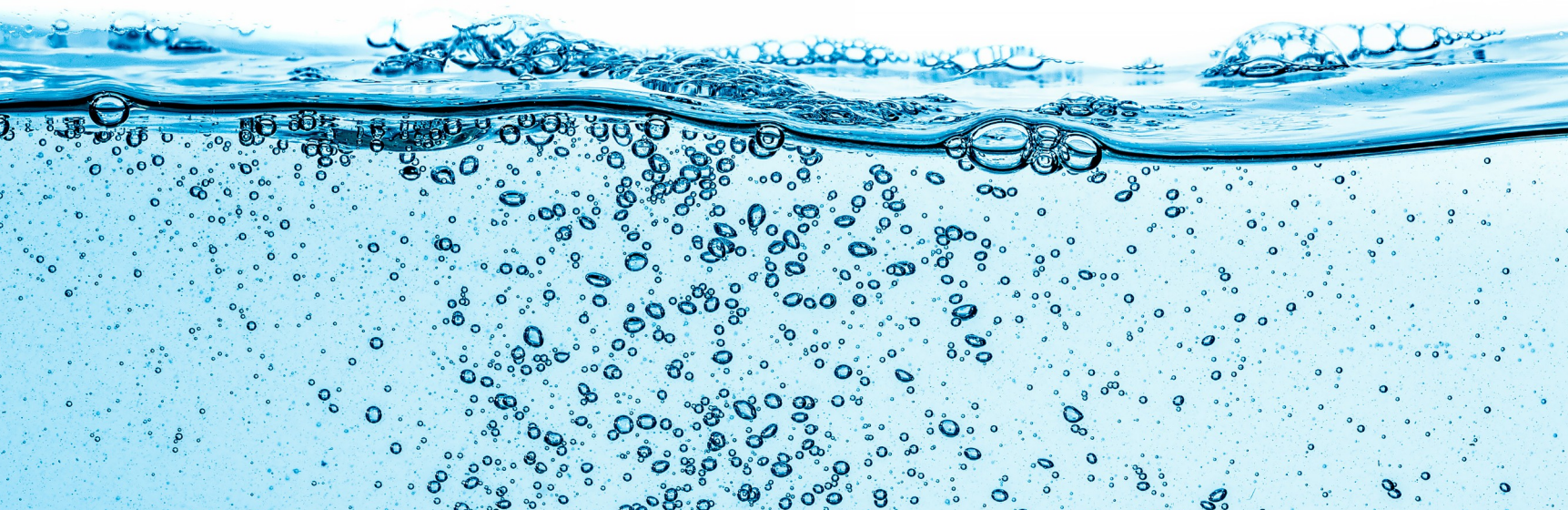
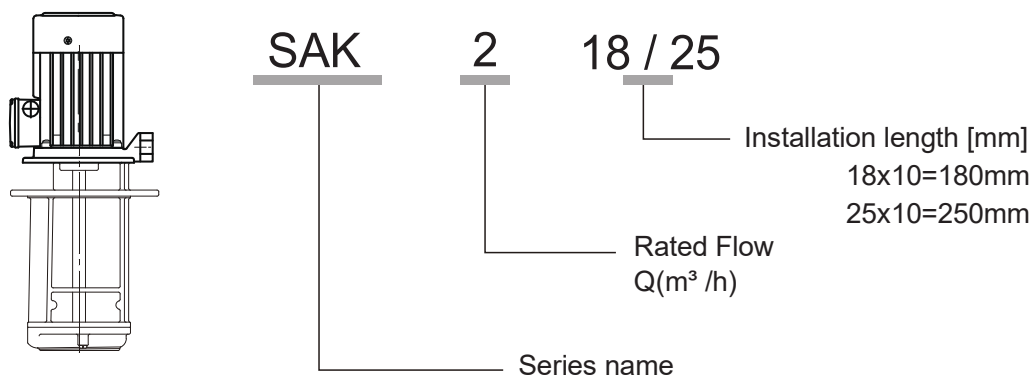


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General Data

Model code



Applications

The SAK coolant pump is co-axial pump/motor design to process-ing-material cooling device such as milling, drilling, cutting, grind-ing these widely machine tools, it is suitable to deliver coolant, light oil and all kind non-aggressive liquids.



Pump Construction

The pump is one-chamber vertical centrifugal pump, co-axial pump/ motor design, impellers mounted on extended motor shaft.

Operation Conditions

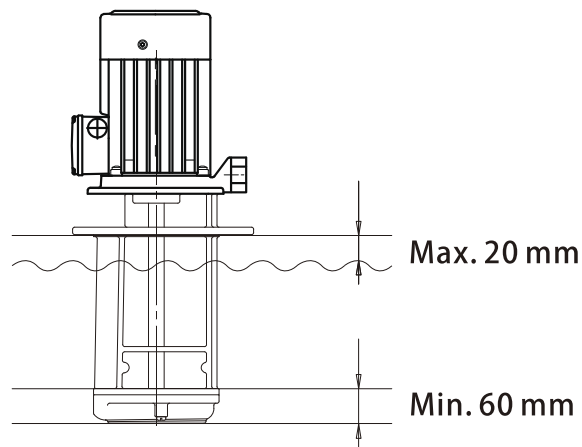
Liquid Temperature Range: +0°C ~ +90°C
Ambient Temperature: Max. +40°C
Operating Pressure: Max. 10kg/cm²
Liquid viscosity: 1~32 cSt

Motor

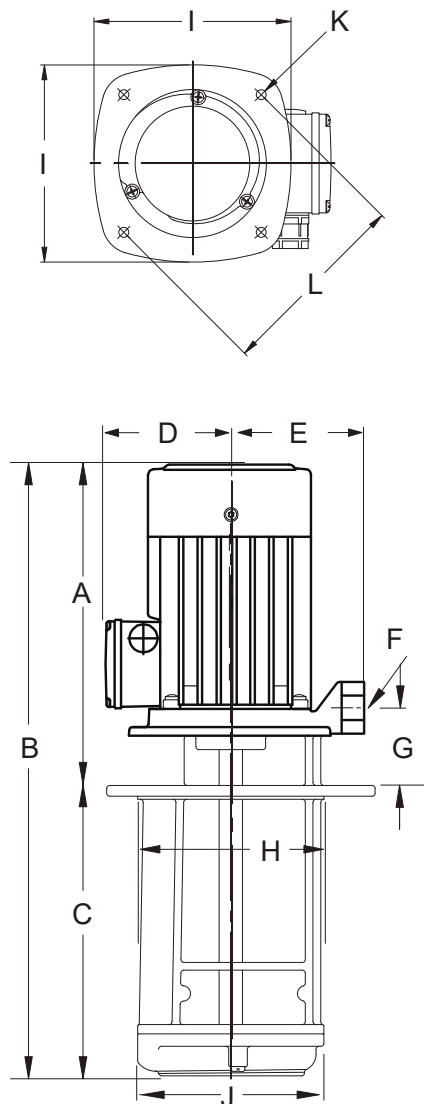
Frequency: 50 / 60 Hz
Insulation Class: F class
Enclosure Protection Class: IP 54
Nominal Speed: 2900 / 3500 RPM
Standard Voltages:
50Hz : 3Ø 220-240V / 380-415V
60Hz : 3Ø 220-255V / 380-480V

Power: 50Hz: 170W~770W
60Hz: 305W~1160W
50Hz: Head Up to 12M
Flow Up to 245 L/min
60Hz: Head Up to 16.5M
Flow Up to 290 L/min
Outlet: 1/2" ~ 1"

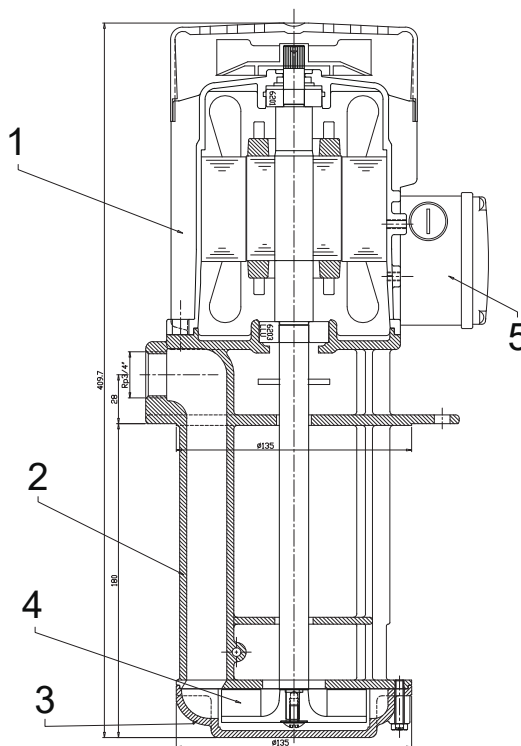
Installation



Dimensions and weights



Material

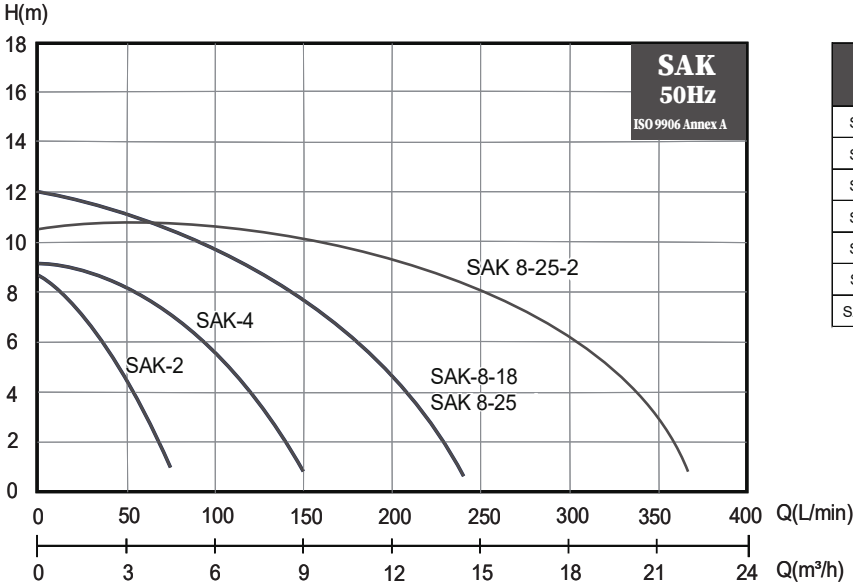


No.	Component	Material
1	Motor	ADC12
2	Pump	FC20
3	Pump cover	FC20
4	Impeller	NYLON
5	Wiring box	ABS

Model	Dimension (mm)												Weight (kg)	Units/Pallet	Pallet Dimension L x W x H (cm)
	A	B	C	D	E	F	G	H	I	J	K	L			
SAK 2-18	185	365	180	115	85	RP 1/2" NPT 1/2"	21	110	160	120	4*ø8	PCD 158	9.5	50	100 x 100 x 167
SAK 2-25	185	435	250	115	85	RP 1/2" NPT 1/2"	21	110	160	120	4*ø8	PCD 158	10.5		100 x 100 x 167
SAK 4-18	225	405	180	115	90	RP 3/4" NPT 3/4"	25	120	170	135	4*ø8	PCD 170	11		110 x 110 x 167
SAK 4-25	225	475	250	115	90	RP 3/4" NPT 3/4"	25	120	170	135	4*ø8	PCD 170	12		110 x 110 x 167
SAK 8-18	270	450	180	115	95	RP 1" NPT 1"	30	130	190	150	4*ø8	PCD 185	14		105 x 110 x 123
SAK 8-25	270	520	250	115	95	RP 1" NPT 1"	30	130	190	150	4*ø8	PCD 185	15.2		95 x 110 x 123
SAK 8-25-2	280	545	260	115	136	RP 2" NPT 2"	45	179.5	200	165	4*ø12	PCD 220	18.2		110 x 110 x 183

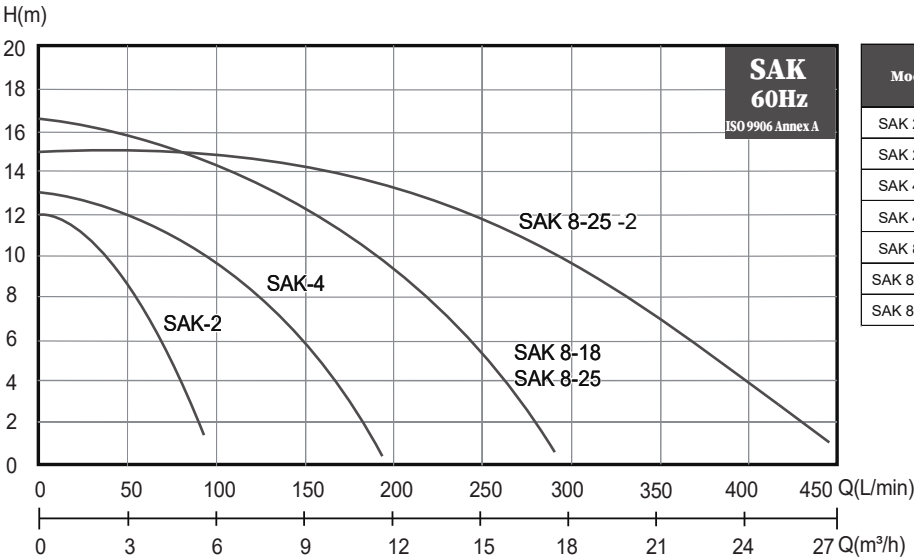
Performance Curves

3 Phase 50Hz



Model	Power [w]	Discharge [inch]	Head [M]	Flow [L/min]	Max.Amp	
					220-240V	380-415V
SAK 2-18	170	1/2 "	8.5	75	0.8 - 0.9	0.49 - 0.53
SAK 2-25	170	1/2 "	8.5	75	0.8 - 0.9	0.49 - 0.53
SAK 4-18	405	3/4 "	9	150	1.5 - 1.6	0.8 - 1.0
SAK 4-25	405	3/4 "	9	150	1.5 - 1.6	0.8 - 1.0
SAK 8-18	770	1 "	12	240	2.9 - 3.0	1.7 - 1.9
SAK 8-25	770	1"	12	240	2.9 - 3.0	1.7 - 1.9
SAK 8-25-2	770	2"	11	380	2.9 - 3.0	1.7 - 1.9

3 Phase 60Hz



Model	Power [w]	Discharge [inch]	Head [M]	Flow [L/min]	Max.Amp	
					220-255V	380-480V
SAK 2-18	305	1/2 "	12	90	0.9 - 1.0	0.5 - 0.42
SAK 2-25	305	1/2 "	12	90	0.9 - 1.0	0.5 - 0.42
SAK 4-18	650	3/4 "	13	190	1.9 - 2.1	1.0 - 0.84
SAK 4-25	650	3/4 "	13	190	1.9 - 2.1	1.0 - 0.84
SAK 8-18	1160	1 "	16.5	290	3.4 - 3.5	1.9 - 1.72
SAK 8-25	1160	1"	16.5	290	3.4 - 3.5	1.9 - 1.72
SAK 8-25-2	1160	2"	15	460	3.4 - 3.5	1.9 - 1.72



SYSTEMFLO

Walrus America Inc.
20220 Hempstead Road, Suite #30
Houston, TX 77065

Tel:(281) 955-8035
Fax:(281) 955-8037
E-mail: sales@walrusamerica.com