



KGE

Self-priming centrifugal pump

The KGE is a self-priming centrifugal pump with radial (half-open or closed) impeller, overhung mounted on a bearing pedestal. If a spacer type coupling is used, the pump can easily be dismantled without it being necessary to disturb the pipings or to move the motor.

The KGE series is available in different drive possibilities:

- KGE : pump with bare shaft for clockwise rotation
- KGEL : pump with bare shaft for counter-clockwise rotation
- KGEF : pump with flanged motor (close coupled)

Applications

- Sewage and effluent treatment plants.
- Low NPSH process circulation duty.
- Aboard ships as bilge, deck wash pump & engine cooling pump.
- Loading, unloading and transfer of tricky liquids viz, oils, solvents, gasoils, mineral oils, grease, petrol, seawater etc.

Pump specifications

- Self-priming
- Pump casing available in cast iron & bronze
- Impeller available in cast iron, bronze and stainless steel
- Suitable for a wide range of duties
- Non-return valve mounted
- Oil bath for the mechanical seal (preventing seal from running dry)
- Dust tight & grease lubricated bearings

Range

Max. capacity	350 m ³ /hr.
Max. head	60 m
Max. suction head	8 m
Max. solids	41 mm dia.
Max. viscosity	100 mm ² /sec.

Features

- Perfect sealing assured by high quality mechanical seal which cannot run dry because of internal oil reservoir.
- Graded casting & SS shaft, increase service life.
- Bearings greased for life, save external lubrication. Minimum need for inspection and maintenance.
- Drive options, of electric motor, coupled or monoblock and belt-drive versions, or by petrol/diesel engine.

Design

- Perfect self-priming action with maximum suction head of 8 m.
- Impellers with wider flow passage avoid clogging and can handle solids upto 41 mm dia.
- Back pullout design, simplifies inspection and maintenance.
- Compact, light weight & yet rugged construction.

Performance data

KGE	3	6	9	12	15	18	24	30	36	45	60	75	m ³ /h	Size*	mm#	Kg
11-3	15.2/0.43 0.6	13.7/0.55 1.5	11.5/0.63 2.8	9.9/0.68 4.3									Hm/kw NPSH	1½"	7.5	15
11-4	16.3/0.68 0.6	15.2/0.71 1.0	14.2/0.75 1.3	13.0/0.79 1.9	11.6/0.84 2.9	10.0/0.9 4.8								1½"	12	17
12b-5	20.0/1.10 1.2	19.0/1.12 1.25	17.8/1.16 1.4	16.5/1.21 1.6	15.4/1.29 2.1	14.0/1.36 2.8	10.2/1.49 5.0							2"	10	30
12-5		19.8/1.10 1.2	18.9/1.17 1.3	18.0/1.22 1.6	17.1/1.29 2.0	16.1/1.36 2.8	13.7/1.56 5.0	10.3/1.73 7.3						2"	13	30
12-6				19.2/1.58 0.9	18.5/1.60 1.0	18.0/1.66 1.1	16.7/1.79 1.5	15.5/1.97 1.9	14.4/2.15 2.7	12.0/2.45 4.4	4.0/2.65 9.2			2½"	20	40
14-8					22.5/2.7 1.7	22.0/2.8 1.7	21.0/3.0 1.7	20.5/3.2 1.8	19.8/3.4 2.0	18.5/3.6 2.6	15.0/3.8 4.4	10.2/3.8 7.5		80	24	46
15-6				29.0/2.85 1.5	28.0/2.95 2.0	27.0/3.05 2.2	25.0/3.25 2.7	23.0/3.5 3.4	20.8/3.7 4.4	16.0/3.95 6.3				2½"	11	40
16-3	32.0/1.25 0.35	28.5/1.41 1.0	24.3/1.56 2.0	19.2/1.73 4.3	10.0/1.84 8.0									1½"	6	26
16-6				35.0/3.55 2.5	34.5/3.7 2.5	34.0/3.2 2.6	34.4/4.25 3.0	31.0/4.6 3.8	29.0/4.95 5.4	22.5/5.3 7				2½"	12	40
18-4	39.5/2.34 2.5	37.0/2.58 2.25	34.0/2.85 2.5	31.0/3.13 3.3	27.5/3.4 4.8	22.0/3.5 6.8								1½"	6.5	65
20b-5		48.0/3.44 2.3	47.5/3.75 2.2	46.0/4.10 2.2	45.0/4.4 2.6	43.0/4.71 3.4	33.0/5.28 6.8							2"	4	90
22-6				57.0/6.25 2.6	56.0/6.6 2.6	55.0/6.95 2.5	53.0/7.69 2.5	50.0/8.38 2.6	47.0/9.1 2.9	42.0/10.0 3.6	31.5/11.2 6.6			2½"	10	110

For 50 Hz n = 2900 min⁻¹

KGE	20	30	40	50	60	80	100	125	150	200	250	300	350	m ³ /h	Size*	mm #	Kg
21-8	12.7/2.4 2.0	12.3/2.5 2.0	11.9/2.7 2.5	11.4/2.9 3.4	10.7/3.1 4.4	8.7/3.3 6.7								hm/kw NPSH	80	21	100
25N-10		16.5/5.0 2.1	16.0/5.1 2.3	15.6/5.4 2.5	15.0/5.7 2.7	13.8/6.7 3.3	12.3/6.8 4.6	8.3/7.3 7.5							100	26	150
29Na-15				23/9.4 2.2	22.5/9.85 2.2	21.6/10.4 2.4	20.8/10.8 2.6	19.7/11.8 2.8	18.7/12.7 3.2	16.2/13.6 4.2	12.4/13.6 5.4				150	25	210
29Nb-15				21.0/8.7 2.3	20.4/8.9 2.4	19.3/9.3 2.7	18.1/9.6 2.9	16.3/9.6 3.3	14.0/9.6 4.0	8.5/9.3 6.3					150	25	210
29N-15				22.2/11.8 1.9	22.0/12.2 2.1	21.4/13.0 2.2	20.9/13.9 2.3	20.1/14.7 2.6	19.3/15.5 2.8	16.4/16.3 3.3	12.2/16.8 4.2				150	41	210

For 50 Hz n = 1450 min⁻¹

Right reserved to change without notice

*Suction discharge ports. # Max permissible solid size.

Your local contact:



SPX Flow Technology (India) Private Limited
 Survey No. 275, Odhav Road, Odhav, Ahmedabad - 382 415. Gujarat - INDIA
 Phone : +91 (0)79 22870311/3005 Fax : +91 (0)79 22870593/2522
 Email : jp.in.processequipment.spx.com

For more information about our worldwide locations, approvals, certifications, and local representatives, please visit www.johnson-pump.com and www.spxfl.com

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