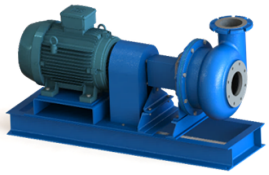
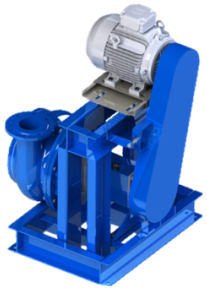
Serie HG & HC





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Vortex Horizontal Range

Vortex pump with bearing

Sectors of Activity

- Automotive industry
- Mechanical engineering industry
- Textile industry
- Chemical industry
- Food industry
- Paper industry
- Sanitation

What is Vortex technology?

The vortex pump is a type of pump used to pump liquids containing solid particles in suspension. It creates a "vortex" in the liquid, enabling the particles to be transported without the risk of blockage!

Applications

- Recirculation
- Transfer
- All lifting applications
- All abrasive, corrosive, fine- or coarse-particle liquids
- Fibers, sludge, sand and gravel
- Various industrial wastes

Highlights

- Suitable for all types of standardised motors
- No clogging thanks to free passage from suction to discharge
- High wear resistance
- Robust
- Quick, easy maintenance
- For all types of clear or contaminated liquids
- Special versions on request (stainless steel, bronze, etc.)

Paint coating

RE3C7 - C5M - C4

Material declination

- Cast iron GS 500 (Standard)
- Cast iron NI HARD (Chrome cast iron)
- Steel 24 - 230 - Stainless steel 316l - Crucible - Bronze

Customers

SKF, saur France, SUEZ, SOGEA ENVIRONNEMENT, VEOLIA, VINCI

Features

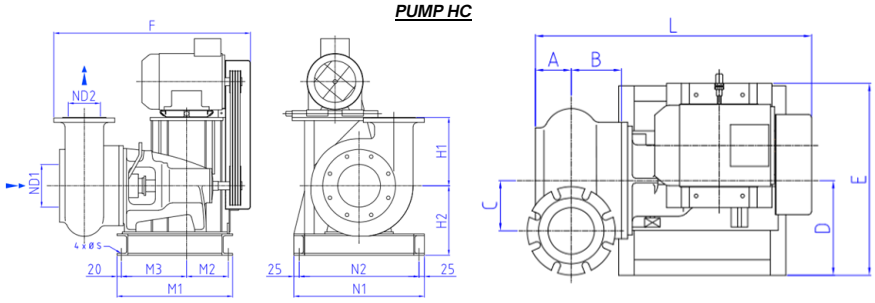
ø Available	DN80 - DN100 – DN150 - DN200
Range Use	30 to 400 m³/h
Pressure Height	40 mcw
Operating temperature	To 120°C
Sand concentration	To 200g/l

Contact @ contacts@espgroupe.com +33 4 50 10 10 40 Annecy 74000 - FRANCE

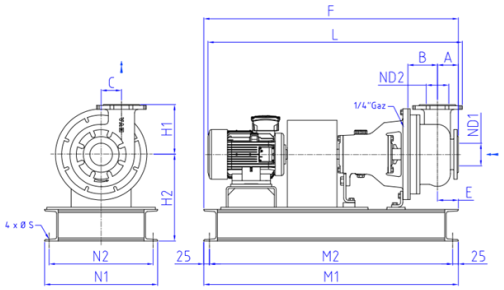
50 Hz

Technical Plan

PUMP HC



PUMP HG



Dimensions

Type	DN1	DN2	Power kW	N rpm	A	B	C	D	E	F	L	H1	H2	M1	M2	M3	N1	N2	Weight kg
HC100 HW PC	DN100 PN 16	DN100 PN 16	5,5	1450	90	176	165	305	648	836	816	240	325	540	195	305	610	560	385
			7,5																392
HC150 HW PC	DN150 PN 16	DN150 PN 16	7,5	1450	120	201	165	305	698	861	884	267	325	540	261	240	610	560	392
			11																430
			15																446
			18,5																485
HC 200 HW PC	DN200 PN 16	DN150 PN 16	7,5	1450	116	162	162	305	648	892	918	320	325	540	195	305	610	560	423
			11																461
			15																477
			18,5																506
HG 100 HW EM	DN100 PN 16	DN100 PN 16	11	1450	83	137	165		124	1457	2549	240	317	1250	1200		500	450	386
			15																402
			18,5																441
			22																458
HG 150 HW EM	DN150 PN 16	DN150 PN 16	11	1450	120	201	165		101	1471	1549	267	215	1250	1200		500	450	395
			15																411
			18,5																450
			22																467
			30							1521	1604		325	1300	1250				517
			37							1479	1708		425	1340	1290				594
			45																626
HG 200 HW EM	DN200 PN 16	DN150 PN 16	30	1450	116	116	162		117	1533	1620	320	325	1300	1250		500	450	544
			37																621
			45							1495	1611		425	1340	1290				653

Power Range

Pump Size	Q (m3/h)	mCW	rpm	Motor (kW)
100HW	70 à 120	5 à 16	1000	2,2 à 9,2
		3 à 36	1450	11 à 30
150HW	80 à 200	1,5 à 14	1000	2,2 à 15
		3,6 à 33	1450	11 à 30
200HW	150 à 400	7 à 12	1000	7,5 à 18,5
		6 à 22	1450	18,5 à 37

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