

CombiFlex

Vertical centrifugal pump



System characteristics

The CombiFlex is a part of the CombiSystem, a family of different pump types having a high interchangeability in parts. The CombiFlex is a pump type in a compact design, suitable for floor as well as centre of gravity support, with many construction variants, e.g. spacer coupling (Top-Pull-Out); flexible coupling (space save design). Other variants are possible by using CombiNorm shaft sealing and bearing modules.

Applications

The CombiFlex is suitable for handling low viscosity, clean or slightly contaminated liquids, for instance aboard ships, potable water systems and industrial buildings.

Pump specifics

- Many installation options: with supports on the floor, in the floor (on ship decks for example) and partition or centre of gravity support
- 8 different angles between the discharge and suction nozzels horizontal plane
- Compact and modular design
- Standard execution with a mechanical seal
- Design with a spacer coupling, Top-Pull-Out, resulting in simple mounting and disassembly
- The space-saving design is eminently suited for confined areas (e.g. on board ships)
- CombiNorm bearing bracket allows flexible choice in bearings and shaft seal modules

Technical data

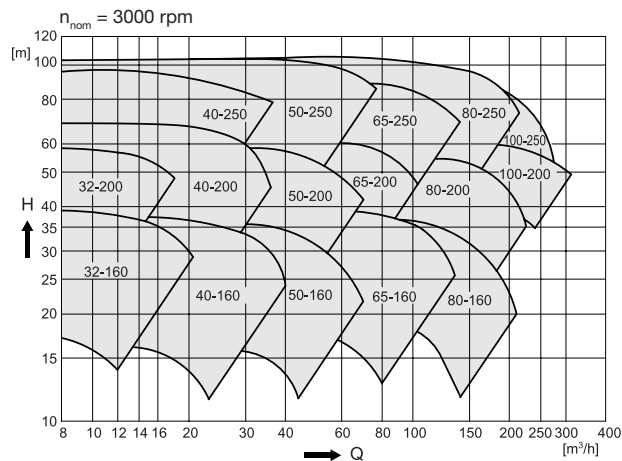
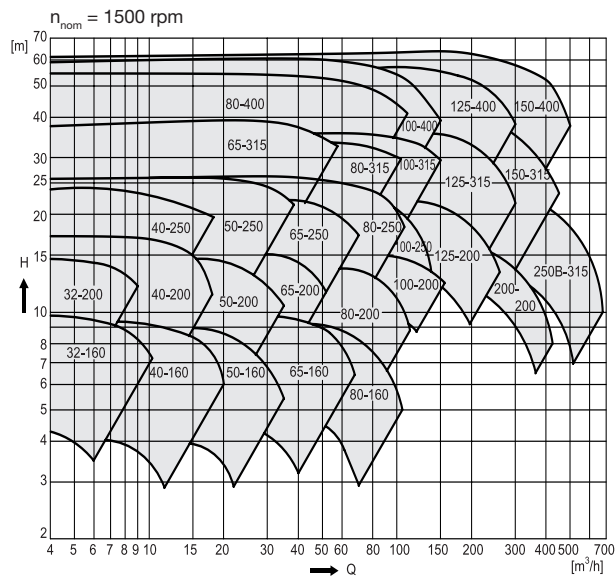
Maximum capacity:	800 m ³ /h [60 Hz] 700 m ³ /h [50 Hz]
Maximum delivery head:	100 m
Maximum fluid temperature:	110 °C
Maximum speed:	3600 rpm
Maximum working pressure:	10 bar (1000 kPa)

Materials

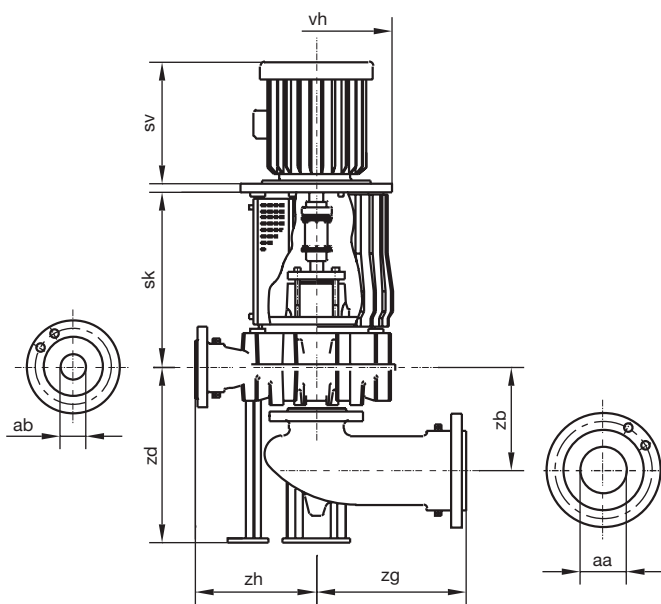
Pump casing	Cast iron	Bronze		
Impeller	Cast iron	Bronze	Aluminium bronze	Stainless steel
Pump shaft	Stainless steel			
Shaft sleeve	Bronze			
Pump cover	Cast iron	Bronze		
Suction bend	Cast iron	Hot-dip galvanised cast iron	Bronze	

Other materials on request

Performance data



Dimensions



Combi Flex	aa	ab	zd	zb	zg	sk	zh
32-160	65	32	330	165	220	340-355	250
32-200	80	32	350	173	220	340-355	280
40-160	80	40	330	173	220	340-355-385	250
40-200	80	40	350	188	220	340-355-385	280
40-250	100	40	370	198	250	340-355-385	315
50-160	80	50	345	188	220	340-360-385	250
50-200	100	50	350	198	250	340-355-385	280
50-250	100	50	370	198	240	340-355-385	315
65-160	125	65	375	240	240	340-360-385	250
65-200	125	65	375	220	240	340-360-385	280
65-250	125	65	370	240	240	440-460-490-520	315
65-315	125	65	455	240	240	440-460-490	315
80-160	150	80	390	231	350	340-360-390	250
80-200	150	80	400	251	350	440-460-490-520	280
80-250	150	80	400	251	350	440-460-490-520	315
80-315	150	80	455	251	350	440-460-490	315
80-400	150	80	425	251	350	525-555-585	405
100-200	150	100	415	251	350	440-460-490-520	280
100-250	150	100	420	251	350	440-460-490-520	315
100-315	150	100	475	251	350	440-460-490-520	315
100-400	150	100	425	251	350	525-555-585	375
125-250	150	125	440	265	280	440-460-490	355
125-315	150	125	495	275	280	530-555-585	355
125-400	150	125	425	275	280	525-555-585	400
150-315	200	150	520	340	350	530-555-585	400
150-400	200	150	520	340	350	555-585	450
200-200	150	200	485	335	280	460-490	400
250B-315	200	250	550	335	350	560-585	500

vh / sv : depending on motor-frame size



Johnson Pump B.V.

