

CombiNorm

Horizontal centrifugal pump to DIN 24255



System characteristics

The CombiNorm is a part of the CombiSystem, a family of different pump types having a high interchangeability in parts.

The CombiNorm, designed to DIN 24255, offers a great variety in materials, shaft seals and bearing systems. Its modular design offers a high interchangeability between the variants. Hence, a CombiNorm is available to handle most pump duties.

Applications

The CombiNorm is suitable for handling low-viscosity, clean or slightly contaminated liquids, for virtually any applications.

Pump specifics

- Suitable for a wide span of duties
- Large hydraulic field of application
- High interchangeability in spare parts between different sizes, thus limiting spare parts stock levels
- Suitable for various liquids, thanks to the large number of standard and non-standard material options
- Simple maintenance thanks to the use of standard components and the Back-Pull-Out principle applied
- Flexible choice in bearings and shaft seal modules
- The entire pump family features only four bearing bracket groups

Technical data

Maximum capacity:	1500 m ³ /h
Maximum delivery head:	140 m
Maximum liquid temperature:	200°C
Maximum operating pressure:	10-16 bar (1000-1600 kPa) <i>(depending on pump size/ materials)</i>
Maximum speed:	3600 rpm

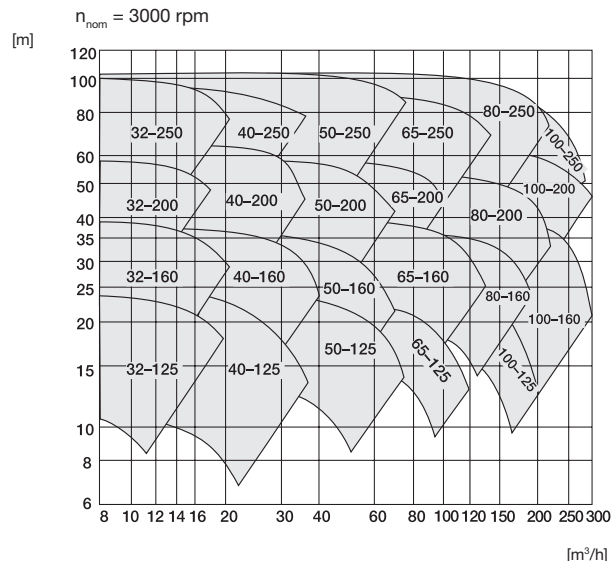
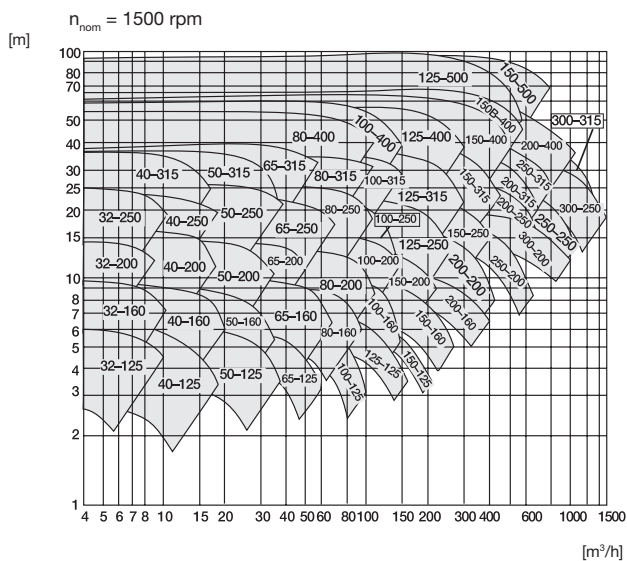
Materials

Pump casing	Cast iron	Nodular cast iron	Bronze
Impeller	Cast iron	Bronze	
Pump shaft	Alloy steel	Stainless steel	
Shaft sleeve	Stainless steel	Bronze	Alloy steel
Stuffingbox cover	Cast iron	Nodular cast iron	Bronze
Bearing bracket	Cast iron		

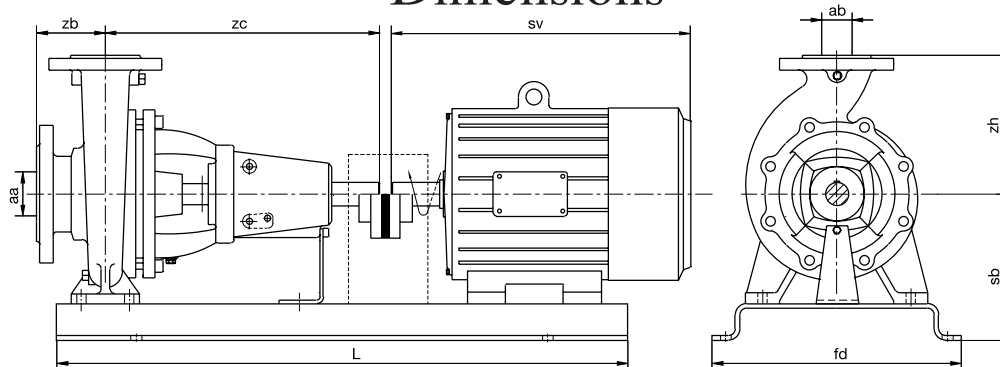
Other materials on request



Performance data



Dimensions



Combi Norm	ISO 7005 PN 16		zb	zc	sb	fd	zh	L
	aa	ab						
32-125	50	32	80	360	157	433	140	800
32-160	50	32	80	360	177	433	160	800
32-200	50	32	80	360	205-223	433-473	180	800-1000
32-250	50	32	100	360	225-243	433-473	225	800-1000
40-125	65	40	80	360	157	433	140	800
40-160	65	40	80	360	177-223	433-473	160	800-1000
40-200	65	40	100	360	205-223	433-473	180	800-1000
40-250	65	40	100	360	225-243	433-473	225	800-1000
40-315	65	40	125	470	263	473	250	1000
50-125	65	50	100	360	177-195	433-473	160	800-1000
50-160	65	50	100	360	205-223	433-473	180	800-1000
50-200	65	50	100	360	205-280	433-545	200	800-1250
50-250	65	50	100	360	225-280	433-545	225	800-1250
50-315	80	50	125	470	288-305	473-545	280	1000-1250
65-125	80	65	100	360	205-223	433-473	180	800-1000
65-160	80	65	100	360	205-280	433-545	200	800-1250
65-200	80	65	100	360	225-280	433-545	225	800-1250
65-250	80	65	100	470	263-315	473-658	250	1000-1250
65-315	80	65	125	470	305	545	280	1250
80-160	100	80	125	360	225-280	433-545	225	800-1250
80-200	100	80	125	470	243-410	473-748	280	1000-1600
80-250	100	80	125	470	280-410	545-748	280	1250-1600
80-315	100	80	125	470	330	545	315	1250
80-400	125	80	125	530	370	658	355	1250
100-125	100	100	125	360	225-243	433-473	250	800-1000
100-160	125	100	125	470	263-280	473-545	315	1000-1250
100-200	125	100	125	470	263-410	473-748	280	1000-1600

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100-250	125	100	140	470	305-410	545-748	280	1250-1600
100-315	125	100	140	470	330-350	545-658	315	1250-1600
100-400	125	100	140	530	370-380	658	355	1250-1600
125-125	125	125	140	360	270-288	433-473	300	800-1000
125-250	150	125	140	470	330	545	355	1250
125-315	150	125	140	530	370-380	658	355	1250-1600
125-400	150	125	140	530	405-445	658-748	400	1250-1600
125-500	200	125	200	680	530-575	850-1040	500	1600-2350
150-125	150	150	160	360	360	545	400	1250
150-160	150	150	160	470	330-350	545-658	315	1250-1600
150-200	150	150	160	470	330	545	315	1250
150-250	200*	150	160	530	370-380	658	400	1250-1600
150-315	200*	150	160	530	410	748	400	1600
150-400	200*	150	160	530	445	748	450	1600
150B-400	250	150	200	690	485-535	740-850	500	1600-2000
150-500	250	150	230	685	580-610	850-1040	550	1600-2350
200-160	200*	200*	200	470	370	658	400	1250
200-200	200*	200*	200	470	370	658	400	1250
200-250	250	200	260	696	485	740	425	1600-1800
200-315	250	200	180	695	485-535	740-850	450	1600-2000
200-400	300	200	230	695	530-575	850-1040	550	1600-2350
250-200	250*	250*	200	530	445	748	450	1600
250-250	300	250	260	716	530-560	850	550	1600-2000
250-315	300	250	230	700	505-535	850	500	1600-2000
300-200	300*	300*	250	530	580	748	600	1600
300-250	300	300	250	720	580-610	850	550	1600-2000
300-315	300	300	230	720	580-610	850	550	1600-2000

sv: depending on motor-frame size. ISO 7005 PN16 $\equiv$ DIN 2533



Johnson Pump B.V.



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