

CombiLineBloc

In-line circulation pump in block execution



System characteristics

The CombiLineBloc is a part of the CombiSystem, a family of different pump types built according to EN 1092-2 and ISO 7005 having a high interchangeability in parts

The CombiLineBloc is a compact in-line circulation pump. The pump is assembled using a lantern piece and a stub shaft, which has a snug fit on the motor shaft. Hence, any flange mounted motor satisfying the IEC standard can be used.

Suction and discharge connections are in-line allowing easy installation in the piping system.

Applications

The CombiLineBloc is suitable for handling low viscosity, clean or slightly contaminated liquids non-corrosive to cast iron and/or plastic material. Typical areas of application are potable water systems, industrial installations and for heating and cooling systems in agriculture and horticulture.

Pump specifics

- Suitable for a wide span of duties
- Compact and modular design
- Specially designed low NPSH suction inlet casing
- Use of standard IEC motor
- Come standard with mechanical seal according to EN 12756 (DIN 24960 L_{1k})
- Maintenance is very easy thanks to the use of the Back-Pull-Out principle
- High interchangeability in spare parts between different sizes, thus limiting spare parts stock levels

Technical data

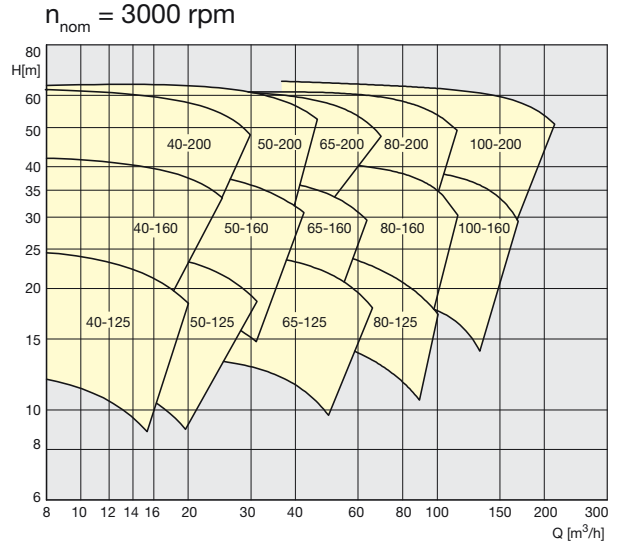
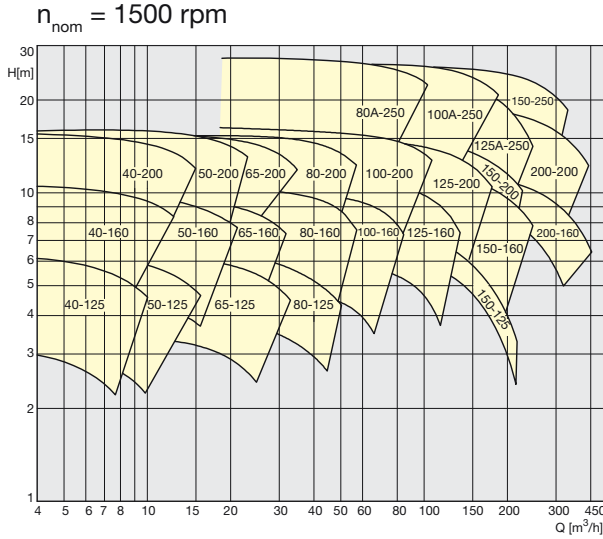
Maximum capacity:	450 m ³ /h
Maximum delivery head:	100 m
Maximum liquid temperature:	120 °C
Maximum speed:	3600 rpm
Maximum operating pressure:	10 bar (1000 kPa)
Possible options:	Steel welding neck flanges Frequency converter

Materials

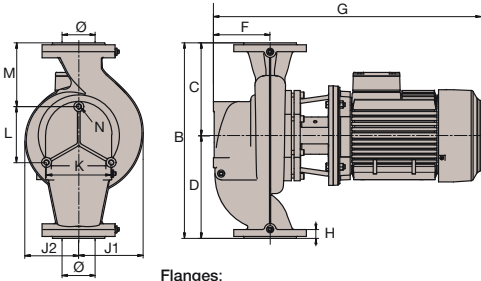
Pump casing & cover	Cast iron	Bronze*
Impeller	Cast iron/ Bronze	
Impeller nut	Stainless steel	
Stub shaft	Stainless steel	
Mechanical seal	Carbon - SiC	
Lantern piece	Cast iron	

* on request

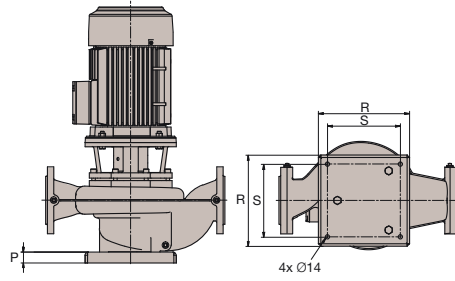
Performance data



Dimensions



Flanges:
 ND6 according to EN 1092-2 (DIN 2531) PN 6 and ISO 7005
 ND10 according to EN 1092-2 (DIN 2532) PN 10 and ISO 7005



CLB	Ø	B	C	D	F	H		J1	J2	K	L	M	N	P	R	S	G_{max}									
						ND6	ND10										80	90S 90L	100L 112M	132S 132M	160M 160L	180M 180L	200L	225S 225M	250M	280S
40-125	40	250	125	125	79	20	20	96	85	92	85	75.5	M16	35	200	155	460	494	608	-	-	-	-	-	-	-
40-160	40	320	160	160	77	20	20	114	105	91	72.5	118.5	M16	35	200	155	457	491	605	662	-	-	-	-	-	-
40-200	40	360	180	180	77	20	20	138	129	93.5	105	124	M16	35	200	155	456	490	604	699	822	-	-	-	-	-
50-125	50	280	140	140	86	22	22	108	89	105	76.5	99	M16	35	200	155	467	501	615	710	833	-	-	-	-	-
50-160	50	340	170	170	88	22	22.5	120	107	107.5	85	127.5	M16	35	200	155	470	504	618	713	836	-	-	-	-	-
50-200	50	380	190	190	86	22	22.5	137	127	107	108.5	138.5	M16	35	200	155	468	502	616	711	834	-	-	-	-	-
65-125	65	340	170	170	115	22	22	120	100	127.5	101	121	M16	35	235	185	498	532	646	741	864	-	-	-	-	-
65-160	65	340	170	170	107	22	22	150	134	124	88.5	128.5	M16	35	235	185	489	523	637	732	855	-	-	-	-	-
65-200	65	440	220	220	134	--	21	135	113	133.5	102.5	169.5	M16	35	235	185	505	539	653	748	871	897	1031	-	-	-
80-125	80	360	180	180	130	24	24	143	109	143	124	118.5	M16	35	235	185	518	552	666	723	884	-	-	-	-	-
80-160	80	400	200	200	131	24	24.5	147	123	146.5	127	136.5	M16	35	235	185	529	563	677	734	895	921	1055	-	-	-
80-200	80	530	265	265	113	--	22	166	140	151	139	192	M16	35	235	185	490	524	638	695	856	882	1016	-	-	-
80A-250	100	590	280	310	214.5	--	27	200	176	195	169	175	M16	35	300	240	-	642	756	813	974	-	-	-	-	-
100-160	100	560	260	300	188	27	27	190	141	184.5	170	172.5	M16	35	300	240	-	611	725	782	943	969	1103	-	-	-
100-200	100	590	280	310	174	27	27	195	163	195	169	192.5	M16	35	300	240	-	636	728	803	896	986	1056	1109	1184	1285
100A-250	125	730	355	375	224.5	--	28.5	237	202	225	195	241	M16	35	300	240	-	-	769	826	987	-	-	-	-	-
125-160	125	750	375	375	247	--	26	189	150	225	195	280	M16	35	300	240	-	675	789	884	1007	1033	1167	-	-	-
125-200	125	750	375	375	247	--	26	219	174	225	195	280	M16	35	300	240	-	-	789	884	1007	1033	1167	1168	1245	1263
125A-250	150	805	355	450	282.5	--	28.5	261	216	310	254	212	M16	35	300	240	-	-	828	923	1046	1092	1226	-	-	-
150-125	150	850	400	450	287	--	28.5	294	218	320	257.5	255	M20	35	440	370	-	-	824	881	-	-	-	-	-	-
150-160	150	750	315	435	290	--	28.5	257	200	310	230	175	M20	35	440	370	-	-	849	944	1093	-	-	-	-	-
150-200	150	720	315	405	245	--	24.5	245	198	258	198.5	214	M20	35	440	370	-	-	799	894	1017	-	-	-	-	-
150-250	150	850	400	450	283	--	28.5	279	227	320	257.5	255	M20	35	440	370	-	-	-	930	1053	1099	1233	1234	-	-
200-160	200	900	400	500	332	--	26.5	316	239	300	255	268	M20	35	440	370	-	-	905	1000	1073	-	-	-	-	-
200-200	200	900	400	500	337	--	26.5	297	237	298	230.5	280	M20	35	440	370	-	-	-	986	1109	1155	1289	-	-	-



Johnson Pump Water B.V.

