

GMN

Submersible pumps
with channels impeller

 **calpeda®**



Main materials

Pump casing: cast iron EN-GJL-250
Impeller: cast iron EN-GJL-250+Ni
Motor casing: cast iron EN-GJL-250
Motor cover: cast iron EN-GJL-250
Shaft: stainless steel AISI 420B
Mechanical seal motor side: graphite/ceramic
Mechanical seal pump side: silicon carbide/silicon carbide

Construction

Submersible pumps with channels impeller.
Twin mechanical seal with oil chamber.
Delivery connection DN 65-80-100-150-200-250-300.

Applications

Suitable to pump slurry, sewage and waste water (non-corrosive) with solids in suspension.
For industrial and residential installations and general drainage applications.
They are ideal for applications with smaller solids.
Solid passage from 30 to 140 mm

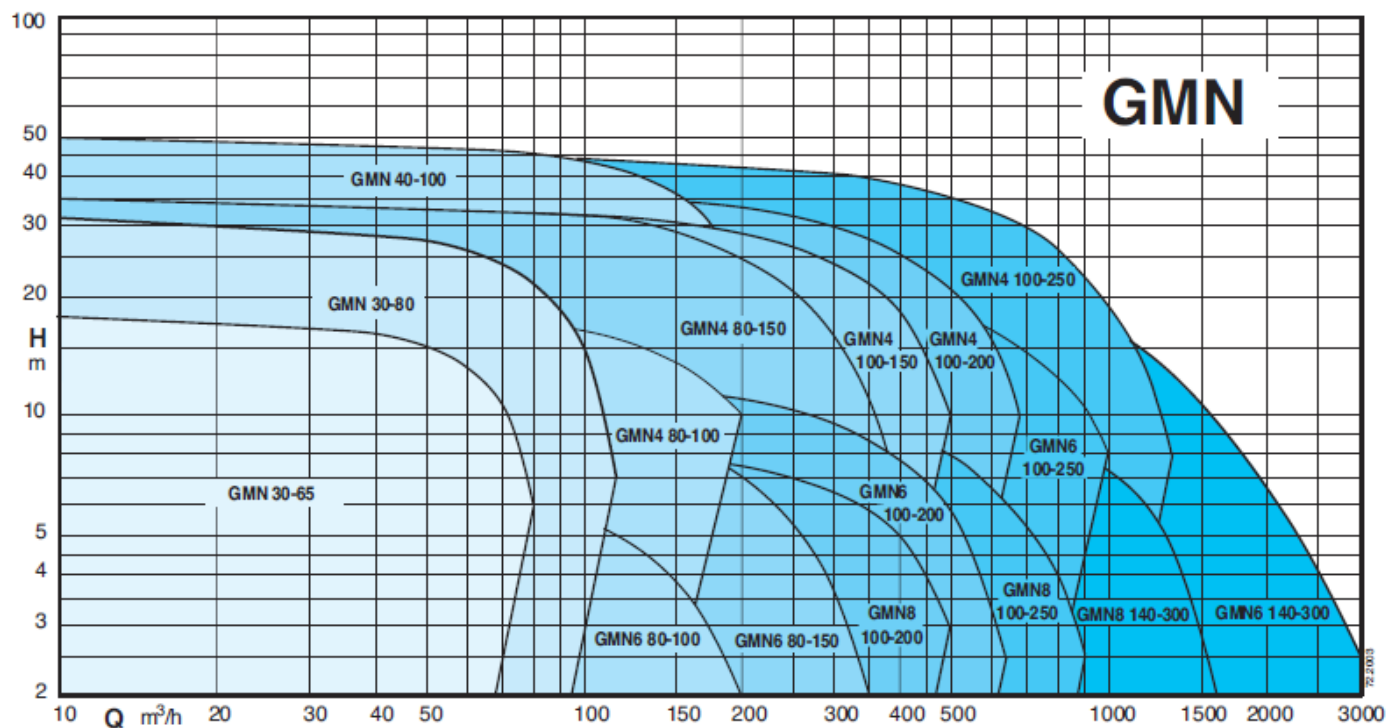
Operating conditions

Liquid temperature up to 40 °C.
Maximum immersion depth: 20 m (with suitable cable length).
Continuous duty (with pump immersed at minimum level).

Motor

2-4-6 or 8 poles induction, 50Hz
Three-phase version: 400V \pm 10%, up to 3,2 kW
400/690V \pm 10%, over 3,2 kW
Insulation class: H
Protection degree: IP 68
N° of starting x hour: max 15 with regular intervals
Cable: H07RN-F, length 10 m
Other models: contact our sale office

Coverage chart






Submersible pumps
with channels impeller



Technical data

TYPE	P ₂ kW	I _N A	Power Supply	r.p.m.	Starting	DN mm	Free passage Ø mm	Thermal protector	Humidity probe	 ATEX Eex
GMN 30-65B	3,2	6,5	3~ 400V	2850	D.O.L.	65	30	NO	NO	✓
GMN 30-65A	3,2	6,5	3~ 400V	2850	D.O.L.	65	30	NO	NO	✓
GMN 30-80B	5,7	12,5	3~ 400/690V	2850	Y/Δ	80	30	●	●	✓
GMN 30-80A	5,7	12,5	3~ 400/690V	2850	Y/Δ	80	30	●	●	✓
GMN 30-80S	8,2	15,5	3~ 400/690V	2850	Y/Δ	80	30	●	●	
GMN 40-100D	13,8	29,5	3~ 400/690V	2850	Y/Δ	100	40	●	●	✓
GMN 40-100C	13,8	29,5	3~ 400/690V	2850	Y/Δ	100	40	●	●	✓
GMN 40-100B	18,2	34	3~ 400/690V	2850	Y/Δ	100	40	●	●	✓
GMN 40-100S	21,4	38,5	3~ 400/690V	2850	Y/Δ	100	40	●	●	
GMN 40-100D	4,6	9,5	3~ 400/690V	1450	Y/Δ	100	80	●	●	✓
GMN 40-100C	7,1	13,5	3~ 400/690V	1450	Y/Δ	100	80	●	●	✓
GMN 40-100A	12,1	27	3~ 400/690V	1450	Y/Δ	100	80	●	●	✓
GMN 60-100B	2,3	6	3~ 400/690V	950	Y/Δ	100	80	●	●	✓
GMN 60-100A	2,8	6,6	3~ 400/690V	950	Y/Δ	100	80	●	●	✓
GMN 60-150B	5,2	12,5	3~ 400/690V	950	Y/Δ	150	80	●	●	✓
GMN 60-150A	6,4	16	3~ 400/690V	950	Y/Δ	150	80	●	●	✓
GMN 60-150B/A	15,9	31,5	3~ 400/690V	950	Y/Δ	150	100	●	●	
GMN 60-150A/A	15,9	31,5	3~ 400/690V	950	Y/Δ	150	100	●	●	
GMN 40-150C/A	26,1	51	3~ 400/690V	1450	Y/Δ	150	80	●	●	
GMN 40-150B/A	35,7	65,5	3~ 400/690V	1450	Y/Δ	150	80	●	●	
GMN 40-150G	20,7	41,5	3~ 400/690V	1450	Y/Δ	150	100	●	●	
GMN 40-150F	25,4	48,5	3~ 400/690V	1450	Y/Δ	150	100	●	●	
GMN 40-150E/A	26,1	51	3~ 400/690V	1450	Y/Δ	150	100	●	●	
GMN 40-150D/A	35,7	65,5	3~ 400/690V	1450	Y/Δ	150	100	●	●	
GMN 40-150S/A	35,7	65,5	3~ 400/690V	1450	Y/Δ	150	100	●	●	
GMN 40-200C	46	83,5	3~ 400/690V	1450	Y/Δ	200	100	●	●	
GMN 40-200B	52,1	92,5	3~ 400/690V	1450	Y/Δ	200	100	●	●	
GMN 40-200A	52,1	92,5	3~ 400/690V	1450	Y/Δ	200	100	●	●	
GMN 40-250D	77,2	135	3~ 400/690V	1450	Y/Δ	250	100	●	●	
GMN 40-250C	77,2	135	3~ 400/690V	1450	Y/Δ	250	100	●	●	
GMN 40-250B	79,5	135	3~ 400/690V	1450	Y/Δ	250	100	●	●	
GMN 40-250A	79,5	135	3~ 400/690V	1450	Y/Δ	250	100	●	●	
GMN 60-200F/A	15,9	31,5	3~ 400/690V	950	Y/Δ	200	100	●	●	
GMN 60-200E/A	15,9	31,5	3~ 400/690V	950	Y/Δ	200	100	●	●	
GMN 60-200D/A	19,8	39	3~ 400/690V	950	Y/Δ	200	100	●	●	
GMN 60-250D	23,4	45,5	3~ 400/690V	950	Y/Δ	250	100	●	●	
GMN 60-250C	29	57	3~ 400/690V	950	Y/Δ	250	100	●	●	
GMN 60-250B	40	80	3~ 400/690V	950	Y/Δ	250	100	●	●	
GMN 60-250A	40	80	3~ 400/690V	950	Y/Δ	250	100	●	●	
GMN 60-300D	32	60,5	3~ 400/690V	950	Y/Δ	300	140	●	●	
GMN 60-300C	40	80	3~ 400/690V	950	Y/Δ	300	140	●	●	
GMN 60-300B	55,8	108	3~ 400/690V	950	Y/Δ	300	140	●	●	
GMN 60-300A	55,8	108	3~ 400/690V	950	Y/Δ	300	140	●	●	
GMN 80-200B	9,6	20	3~ 400/690V	750	Y/Δ	200	100	●	●	
GMN 80-250B	14,8	31	3~ 400/690V	750	Y/Δ	250	100	●	●	
GMN 80-250A/A	22	46	3~ 400/690V	750	Y/Δ	250	100	●	●	
GMN 80-300A	26,7	59	3~ 400/690V	750	Y/Δ	300	140	●	●	

P₂ Rated power output

I_N Rated current

● Standard

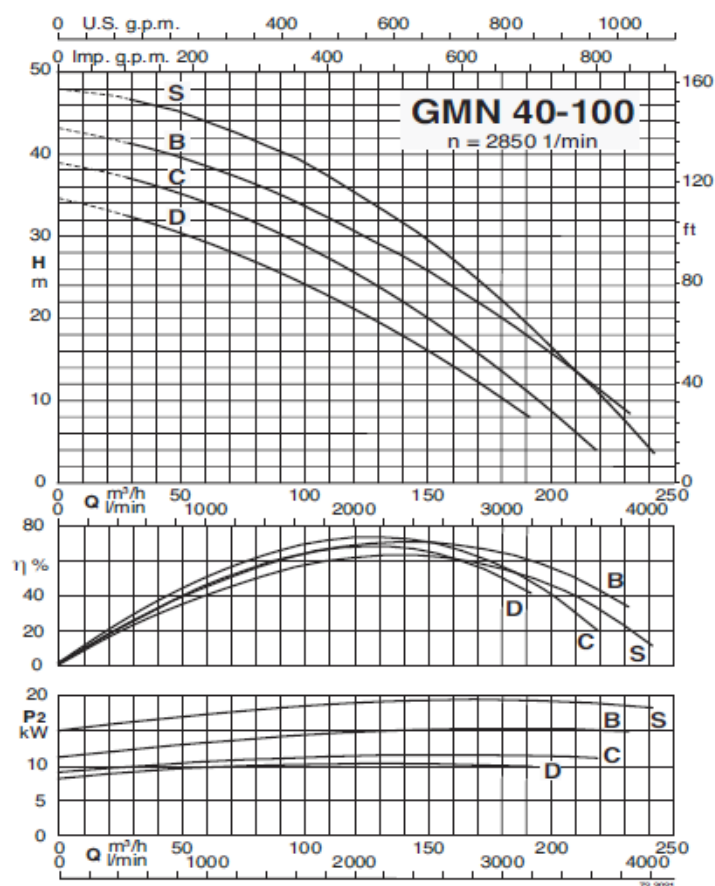
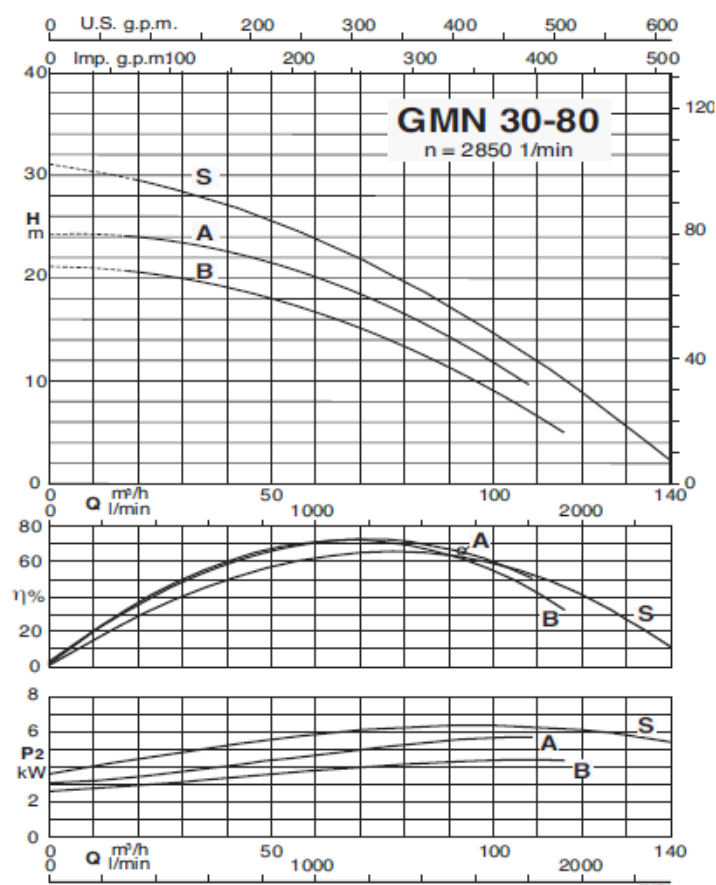
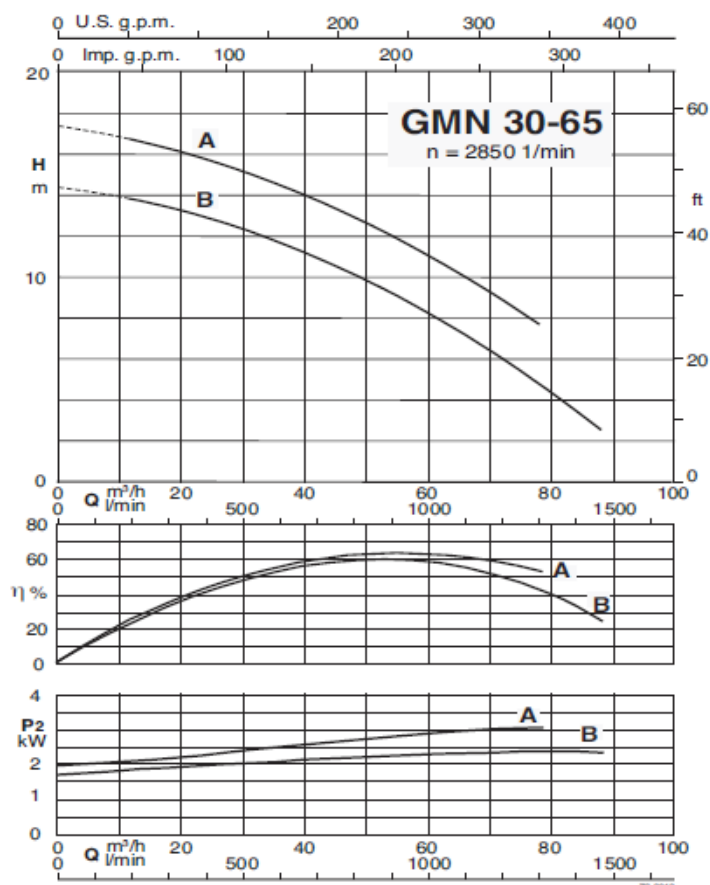
✓ ATEX Eex Version on demand

GMN

Submersible pumps
with channels impeller

calpeda®

Characteristic curves

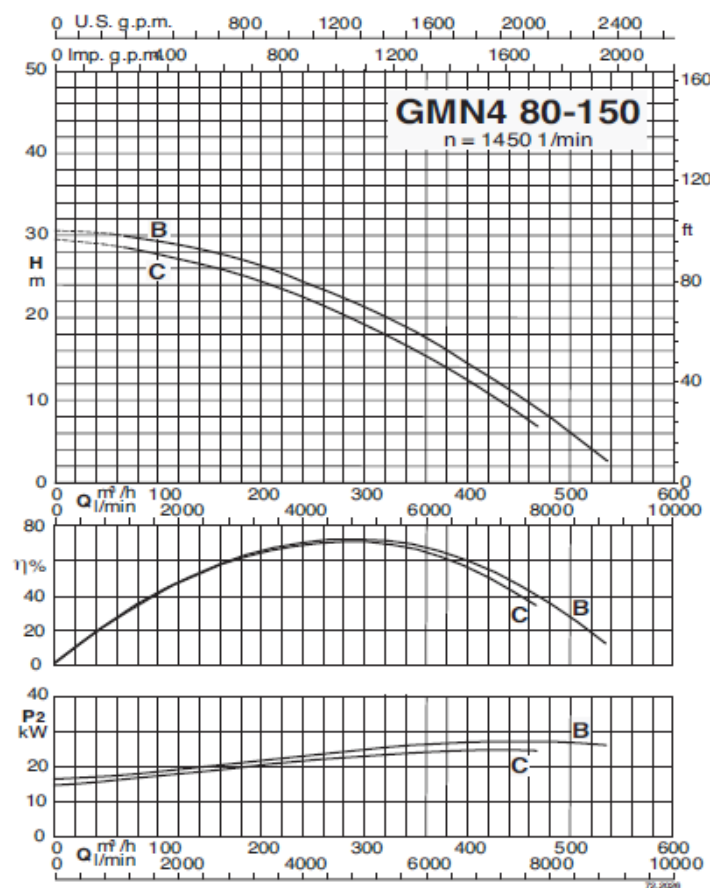
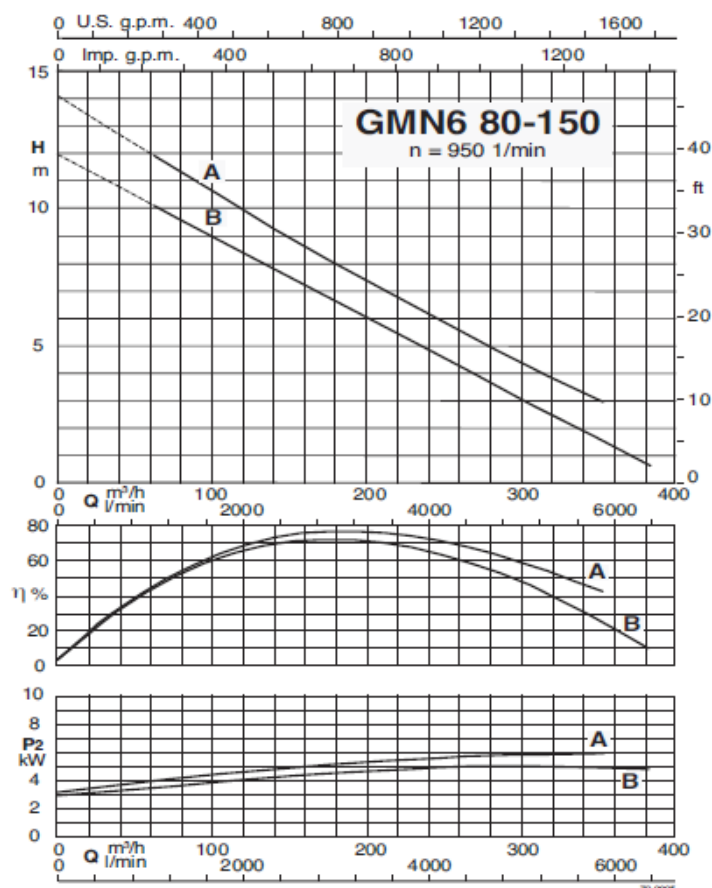
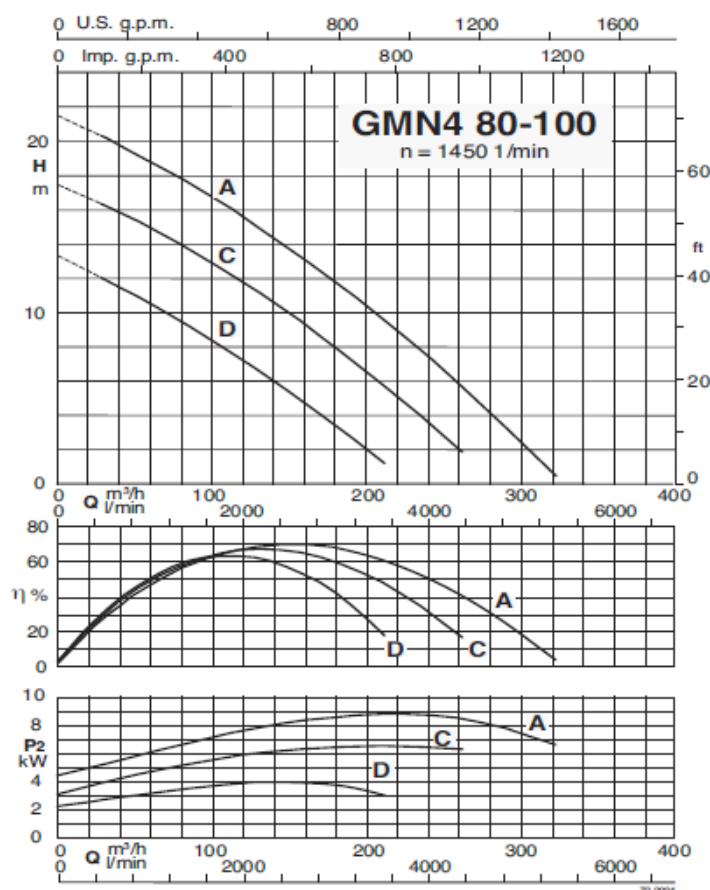
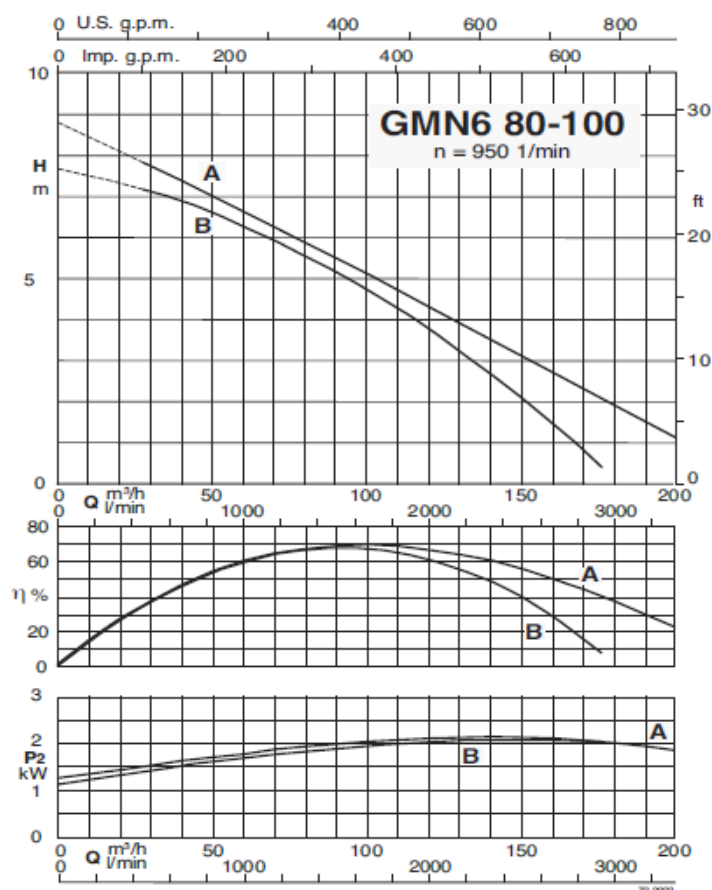


GMN

Submersible pumps
with channels impeller

calpeda®

Characteristic curves

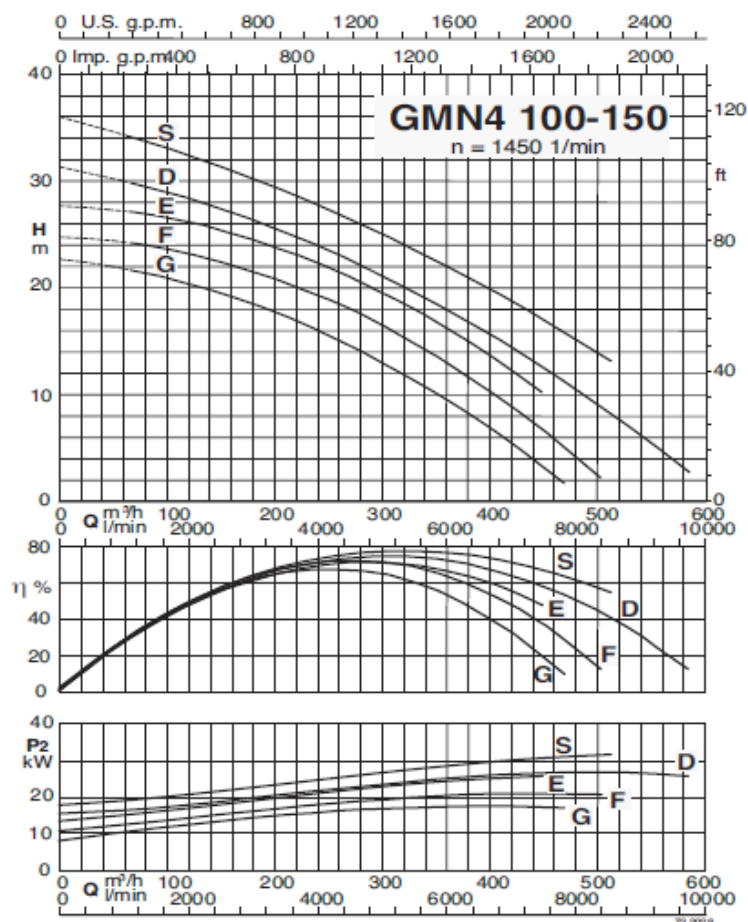
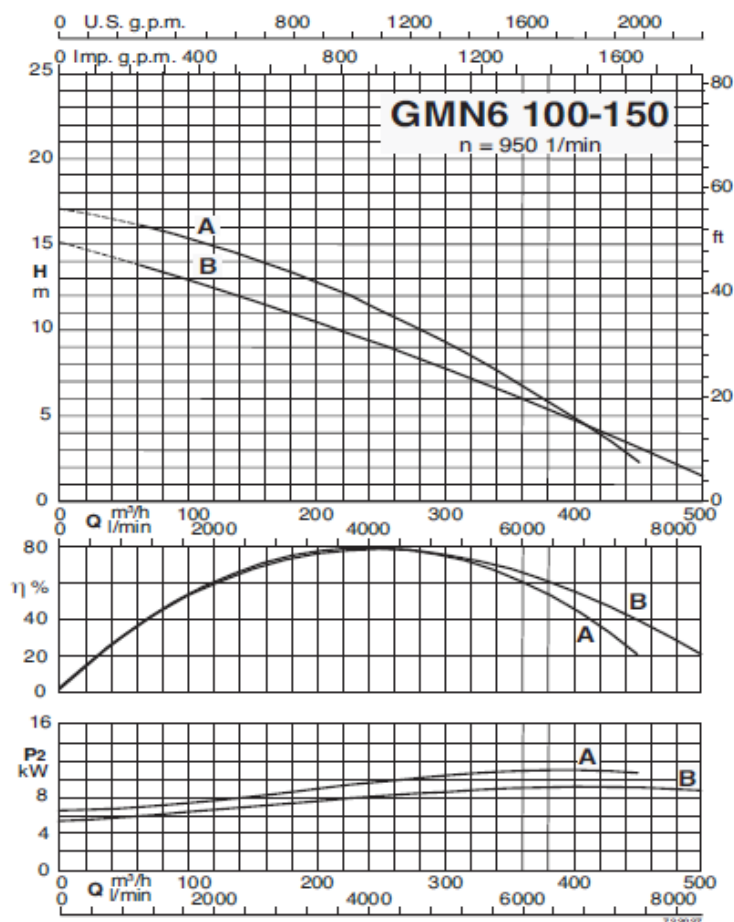


GMN

Submersible pumps
with channels impeller

calpeda®

Characteristic curves

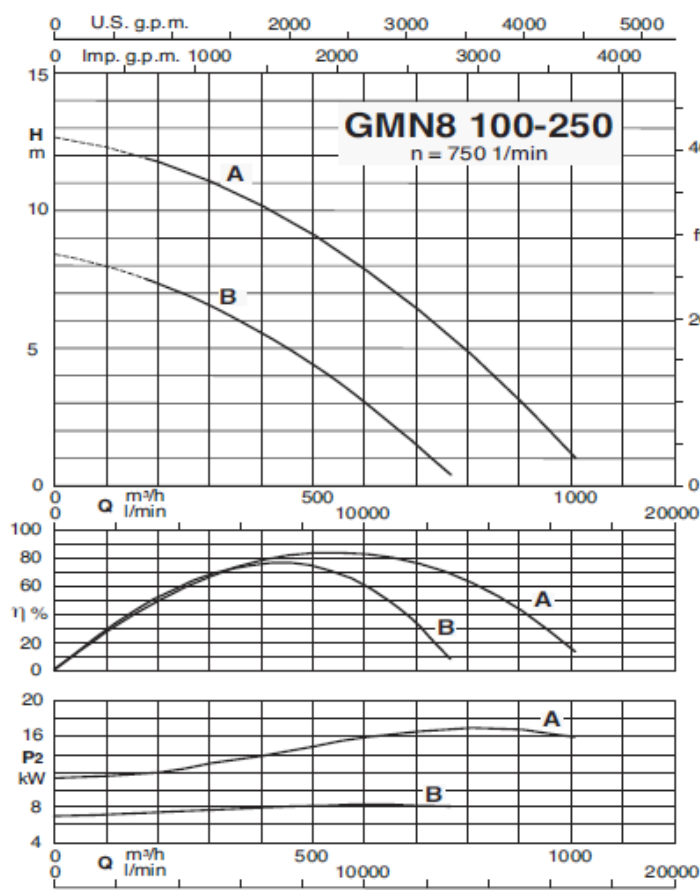
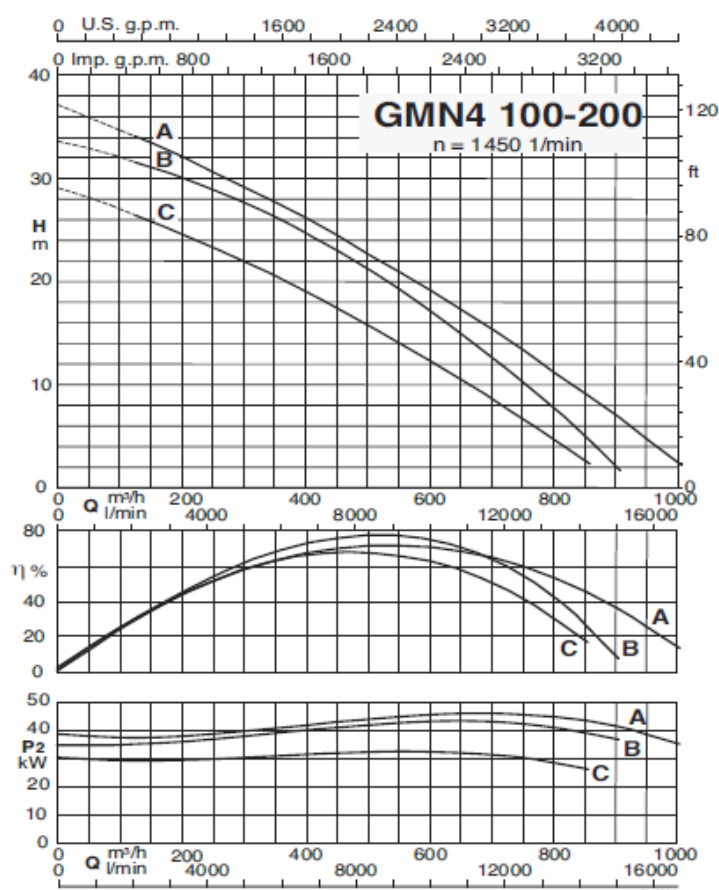
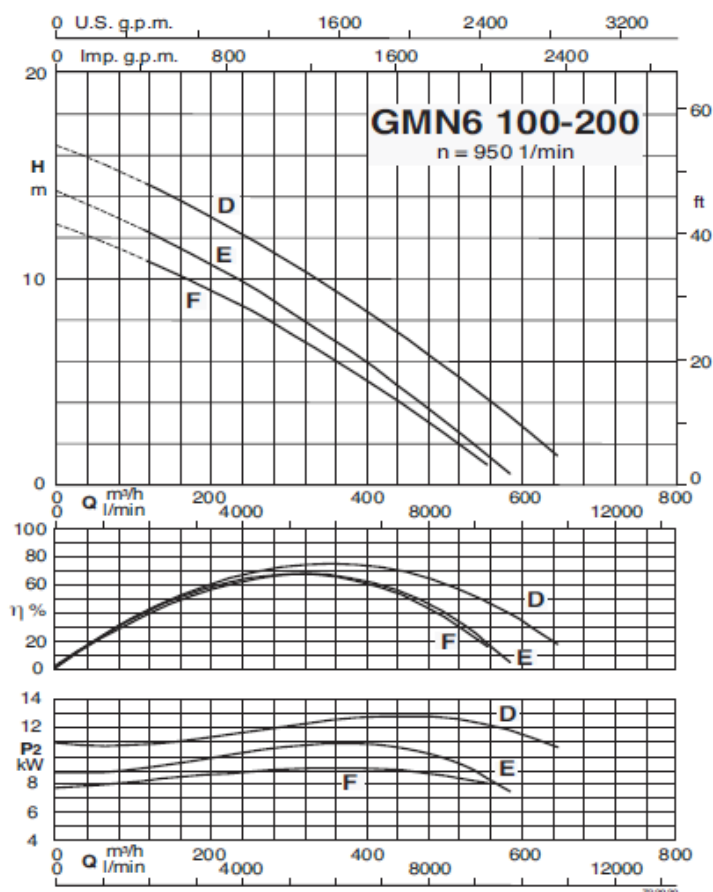
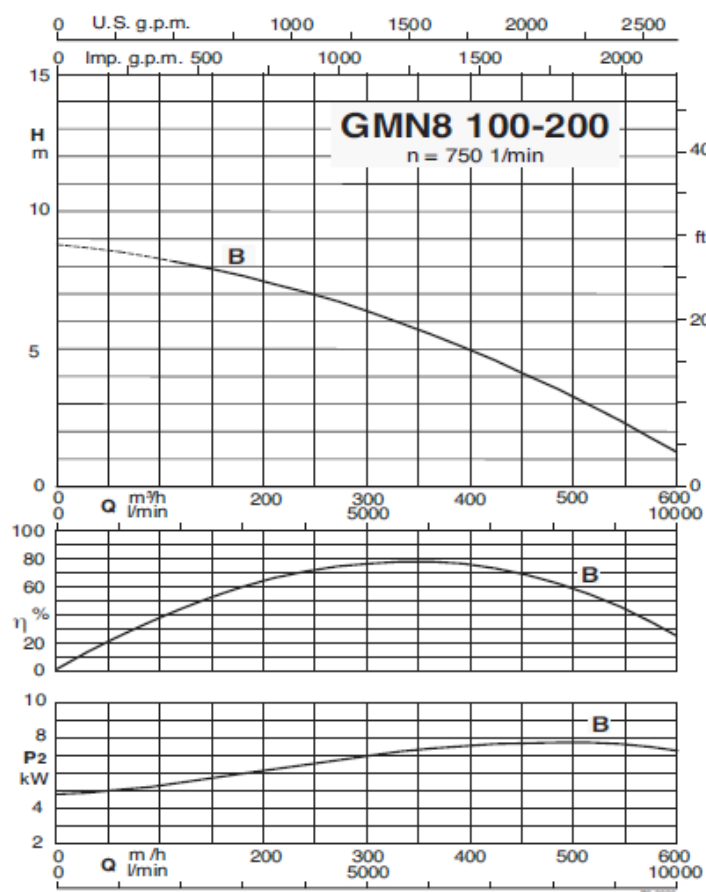


GMN

Submersible pumps
with channels impeller

calpeda®

Characteristic curves

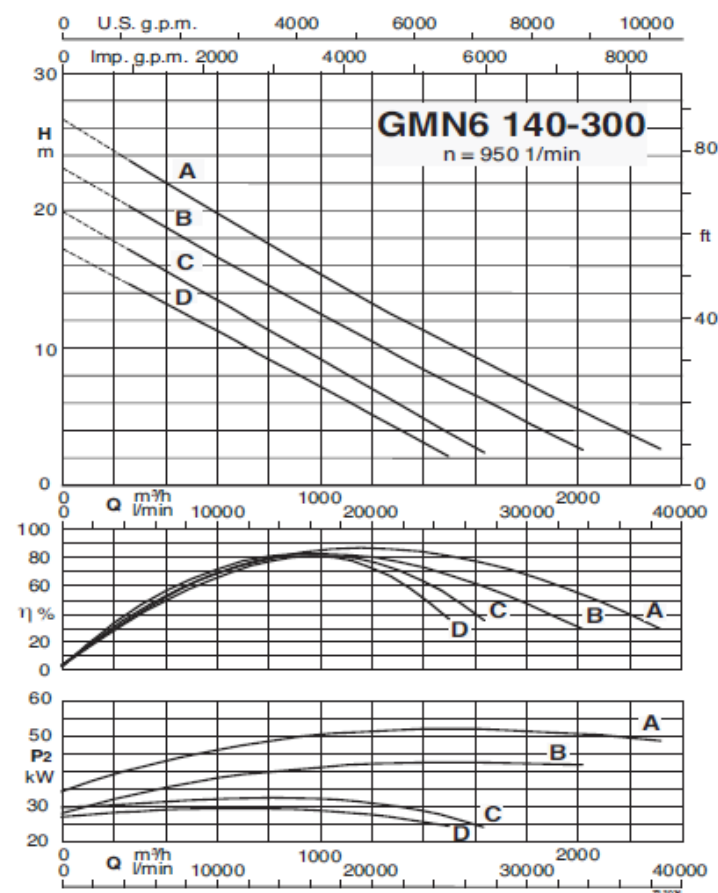
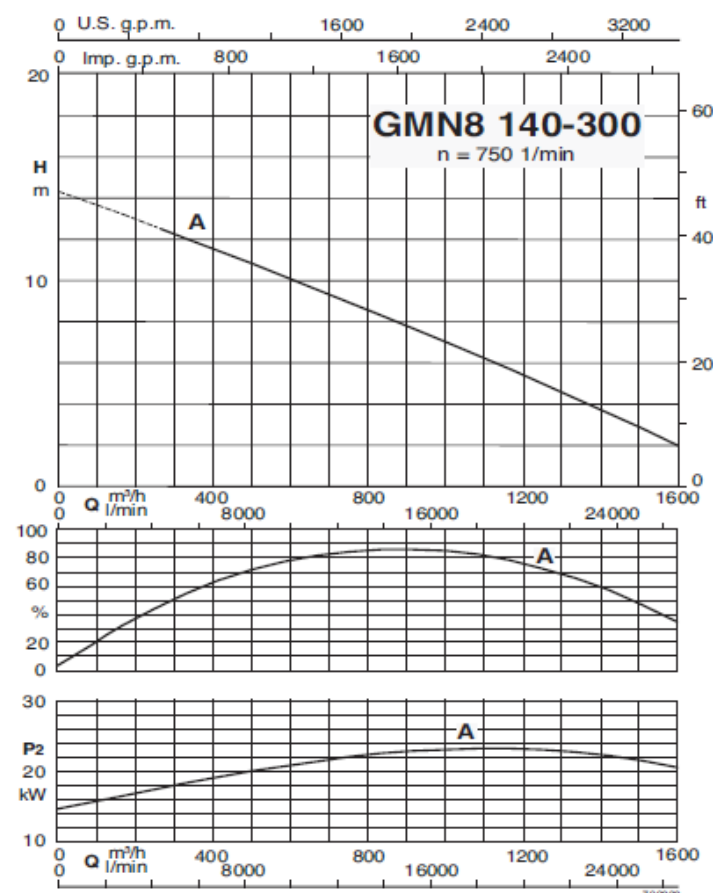
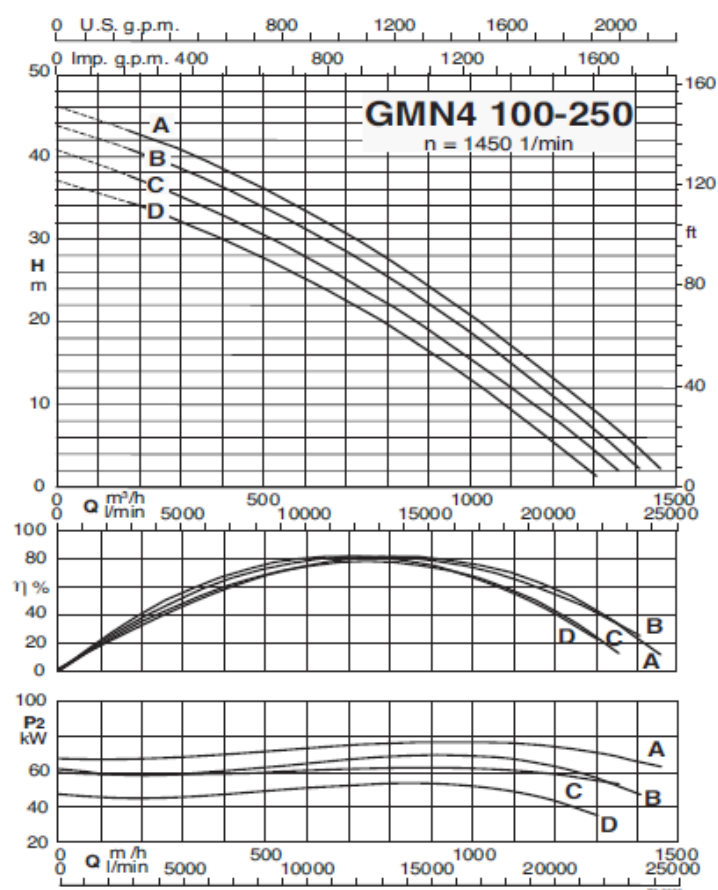
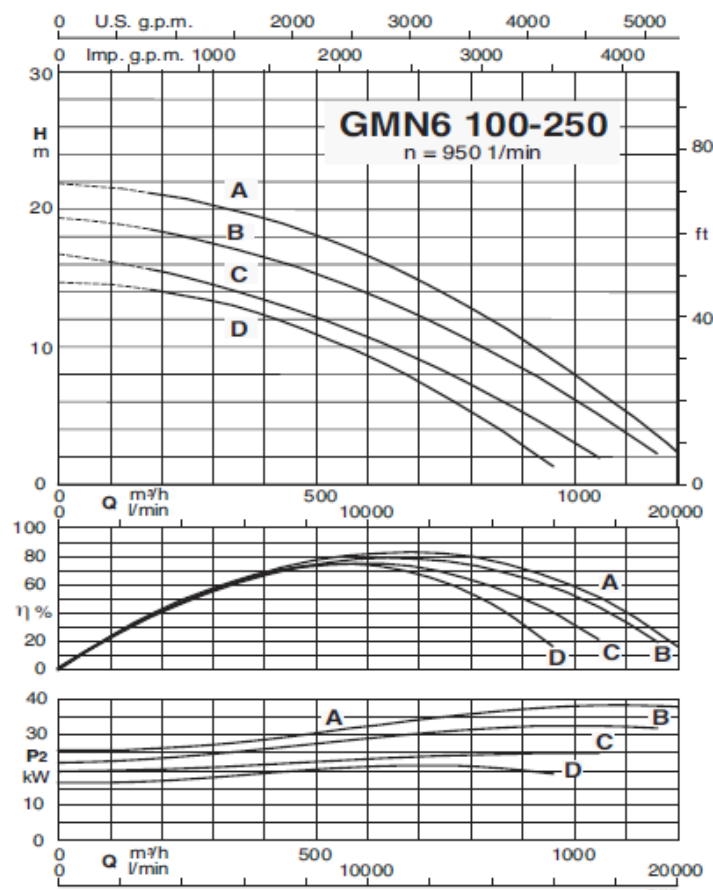


GMN

Submersible pumps
with channels impeller

calpeda®

Characteristic curves



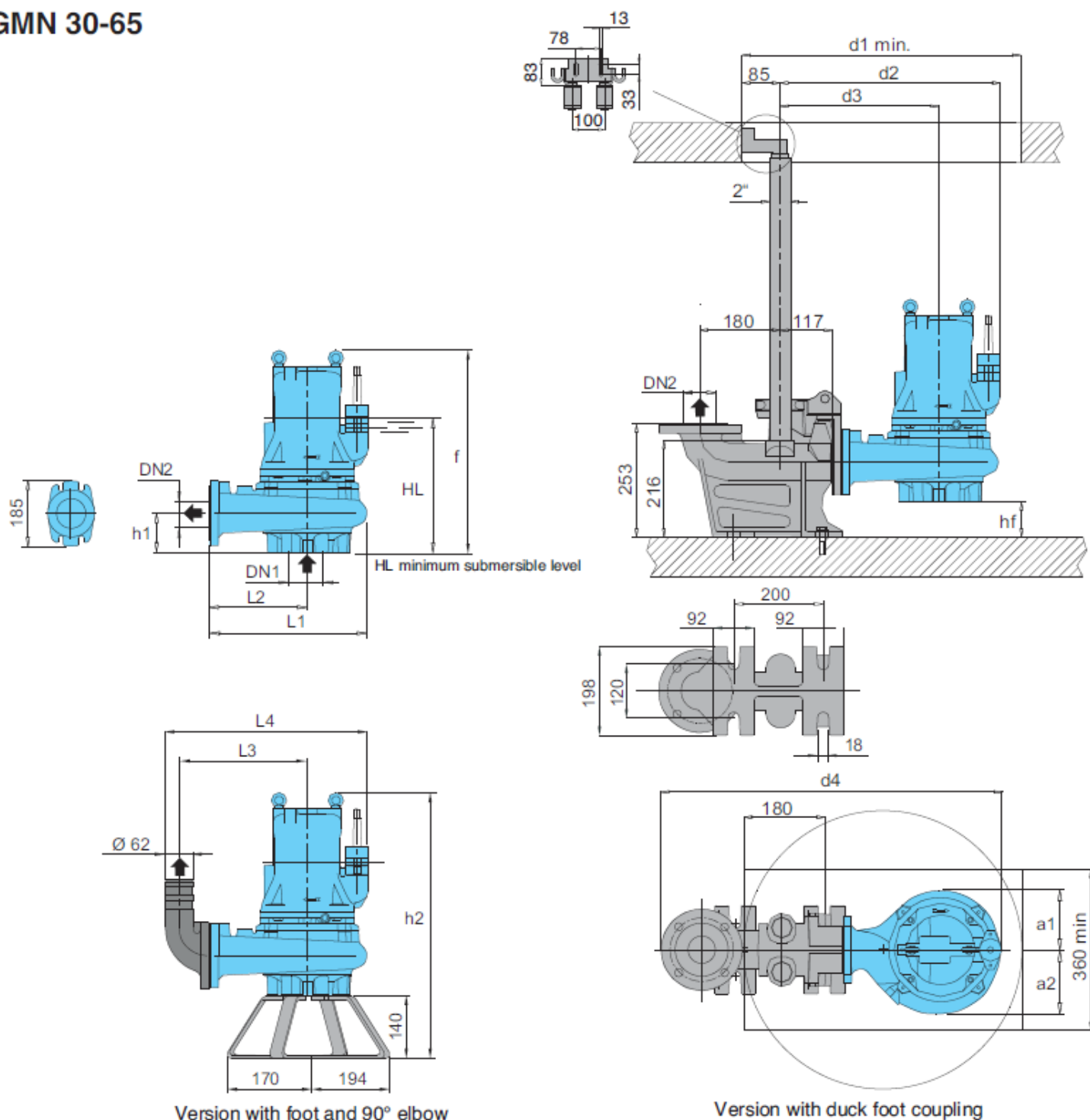
GMN

Submersible pumps with channels impeller



Dimensions and weights

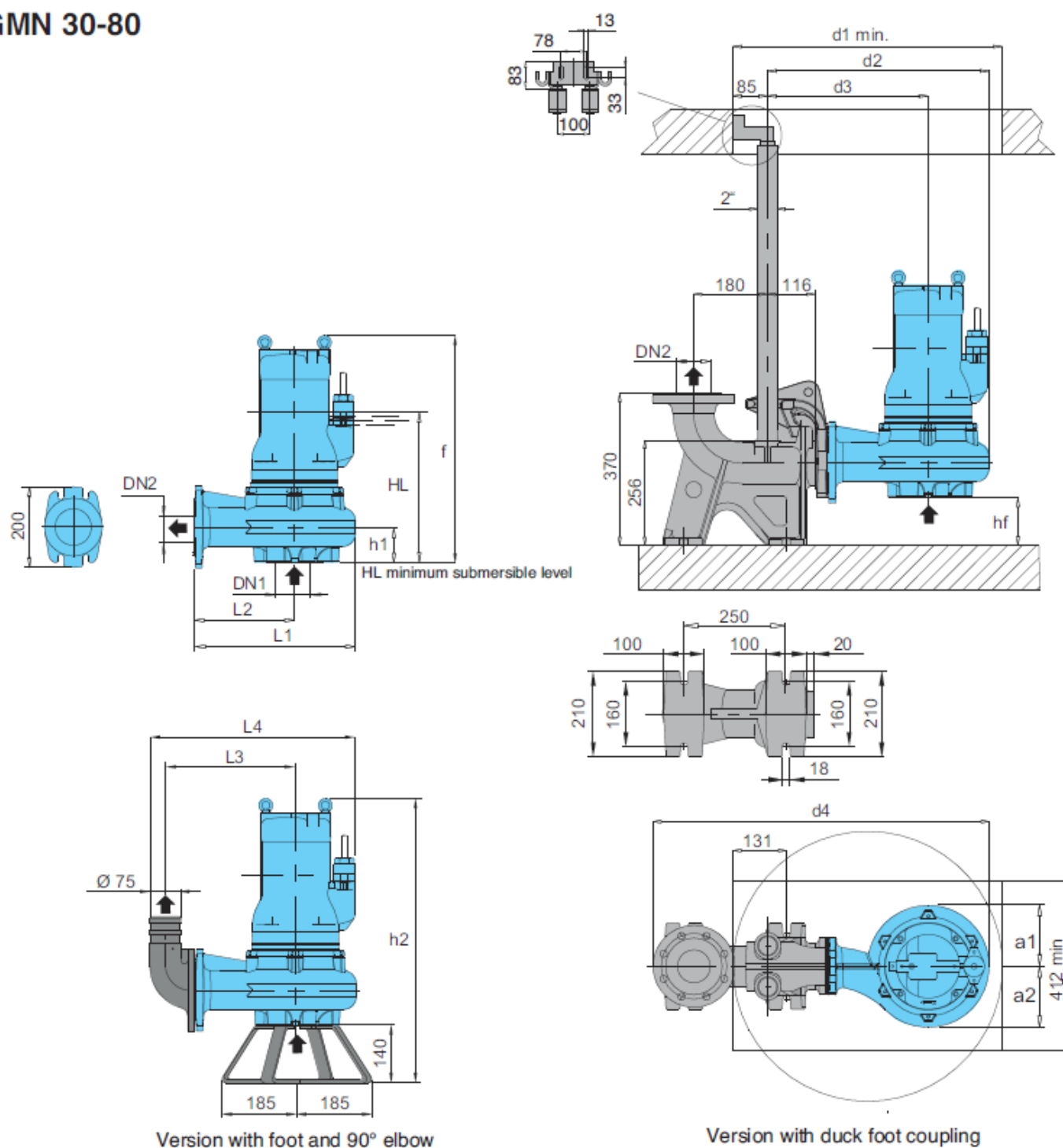
GMN 30-65



TYPE	EN 1092-2 PN 10		Dimensions mm															Weight kg
	DN1	DN2	f	HL	hf	h1	h2	a1	a2	d1	d2	d3	d4	L1	L2	L3	L4	
GMN 30-65B	80	65	456	300	78	90	596	133	145	625	495	357	767	358	220	289	458	48
GMN 30-65A																		

Dimensions and weights

GMN 30-80



TYPE	EN 1092-2 PN 10		Dimensions mm															Weight kg
	DN1	DN2	f	HL	hf	h1	h2	a1	a2	d1	d2	d3	d4	L1	L2	L3	L4	
GMN 30-80B	80	80	515	330	110	90	655	133	145	700	511	366	791	365	220	293	475	70
GMN 30-80A	80	80	515	330	110	90	655	133	145	700	511	366	791	365	220	293	475	70
GMN 30-80S	80	80	767	438	132	68	917	165	165	700	571	386	851	405	220	292	515	150

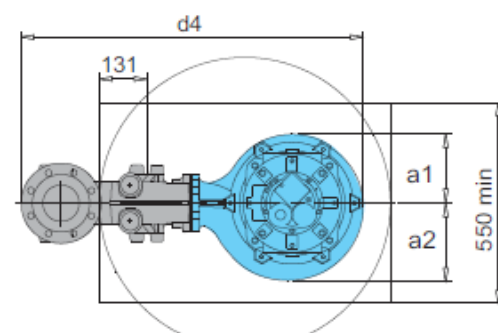
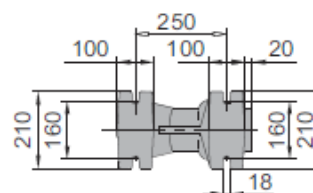
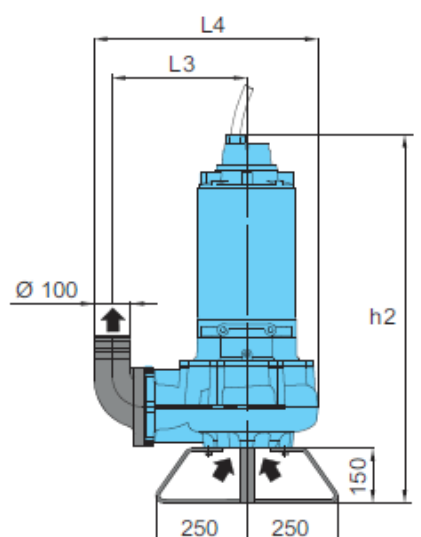
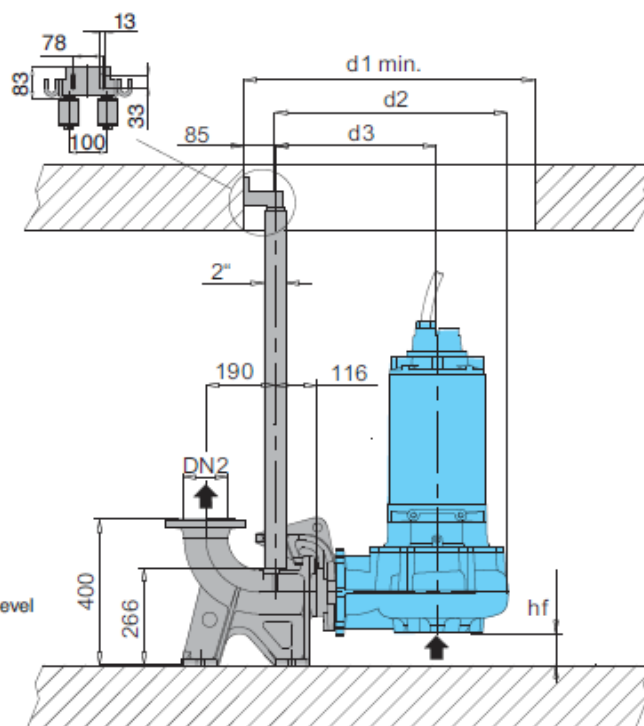
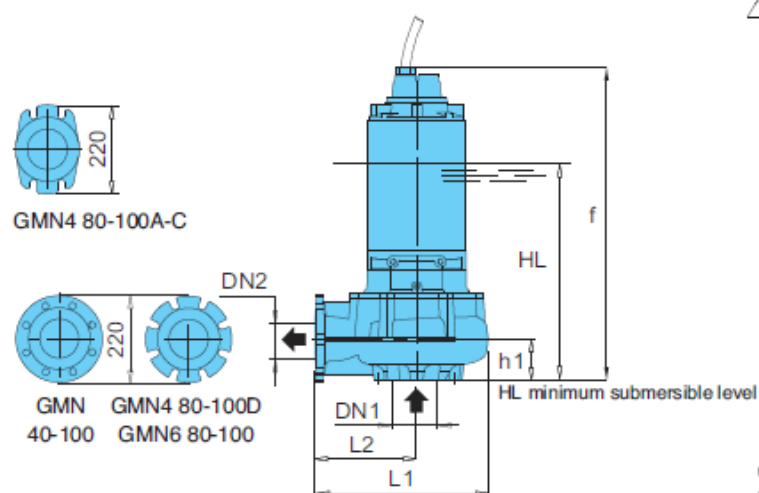
GMN

Submersible pumps
with channels impeller

calpeda®

Dimensions and weights

GMN 40-100
GMN 50-100
GMN4 80-100
GMN6 80-100



Version with foot and 90° elbow

Version with duck foot coupling

TYPE	EN 1092-2 PN 10		Dimensions mm															Weight kg
	DN1	DN2	f	HL	hf	h1	h2	a1	a2	d1	d2	d3	d4	L1	L2	L3	L4	
GMN 40-100D	125	100	814	480	127	73	964	168	184	750	628	441	928	462	275	365	602	190
GMN 40-100C																		
GMN 40-100B																		
GMN 40-100S	125	100	1269	570	127	73	1419	193	193	800	628	441	928	462	280	365	602	230
GMN4 80-100D	125	100	597	424	62	138	747	180	231	850	673	466	973	507	300	390	647	110
GMN4 80-100C	125	100	808	526	54	147	958	189	212	800	640	445	940	474	279	369	614	160
GMN4 80-100A	125	100	890	570	54	147	1040	189	212	800	640	445	940	474	279	369	614	200
GMN6 80-100B	125	100	597	424	62	138	747	180	231	850	673	466	973	507	300	390	647	111
GMN6 80-100A																		

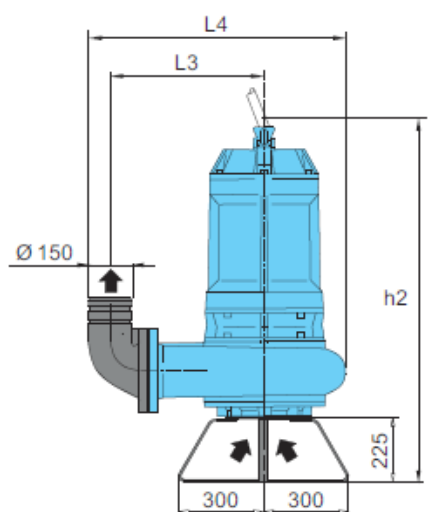
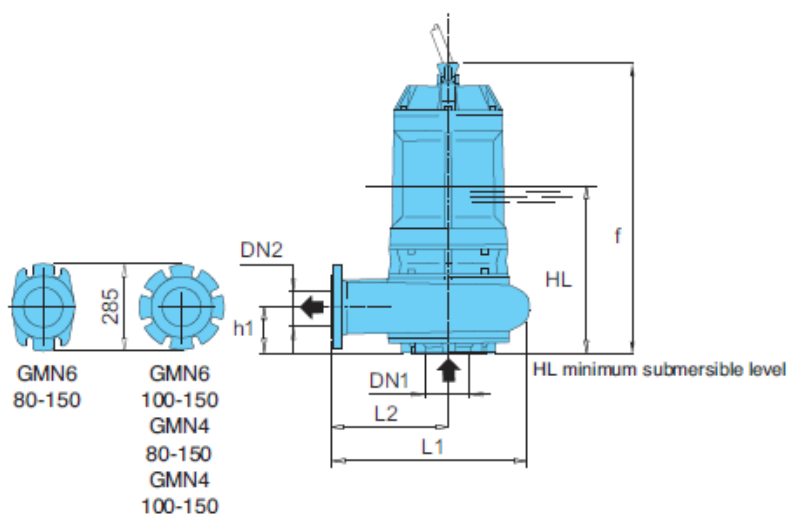
Dimensions and weights

GMN6 80-150

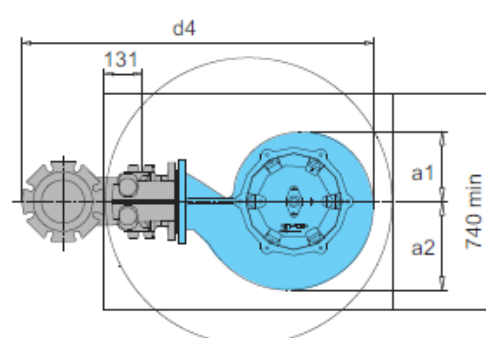
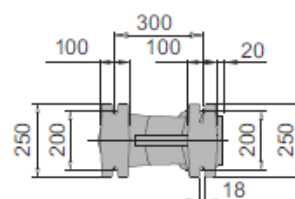
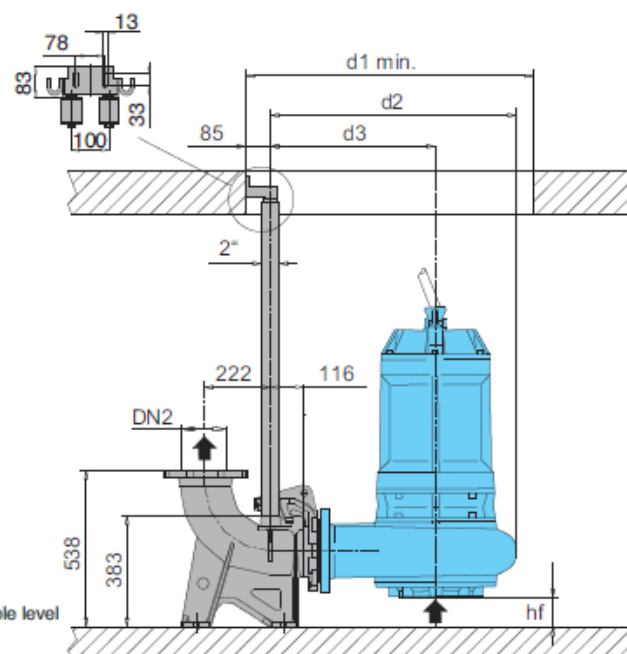
GMN6 100-150

GMN4 80-150

GMN4 100-150



Version with foot and 90° elbow



Version with duck foot coupling

TYPE	EN 1092-2 PN 10		Dimensions mm																Weight kg
	DN1	DN2	f	HL	hf	h1	h2	a1	a2	d1	d2	d3	d4	L1	L2	L3	L4		
GMN6 80-150B	150	150	902	580	113	147	1127	191	223	850	673	467	1038	507	301	431	712	240	
GMN6 80-150A																			
GMN6 100-150B/A	150	150	1409	737	80	180	1630	239	304	990	840	566	1208	673	400	530	878	320	
GMN6 100-150A/A																			
GMN4 80-150C/A	150	150	1409	737	80	180	1630	239	304	990	840	566	1208	673	400	530	878	355	
GMN4 80-150B/A	150	150	1439	742	80	180	1600	239	304	990	840	566	1208	673	400	530	878	355	
GMN4 100-150G	150	150	1409	737	80	180	1630	239	304	990	840	566	1208	673	400	530	878	351	
GMN4 100-150F																			
GMN4 100-150E/A																			
GMN4 100-150D/A	150	150	1377	742	80	180	1600	239	304	990	840	566	1208	673	400	530	878	480	
GMN4 100-150S/A																			

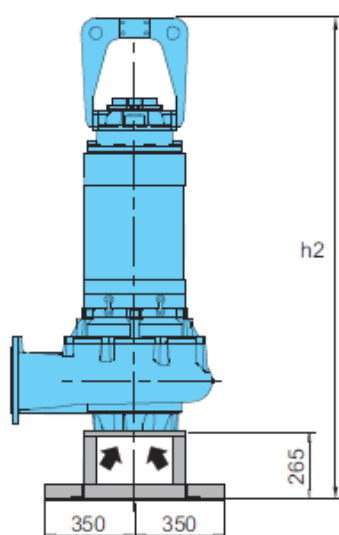
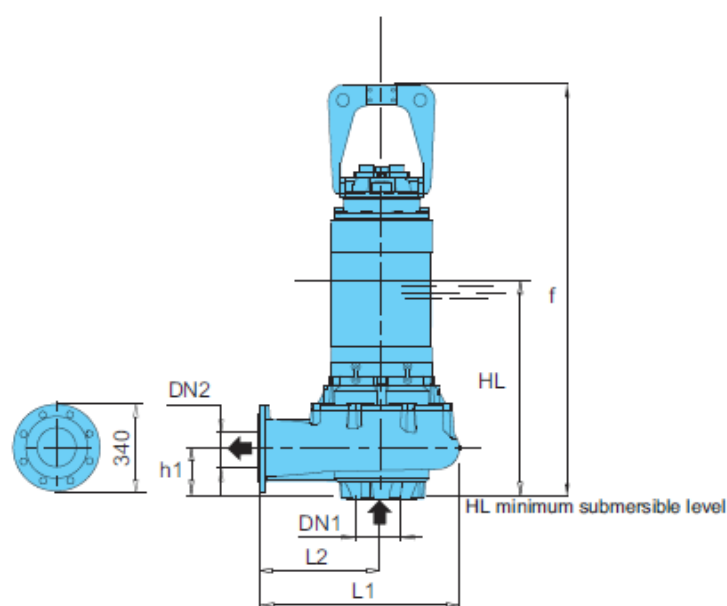
GMN

Submersible pumps
with channels impeller

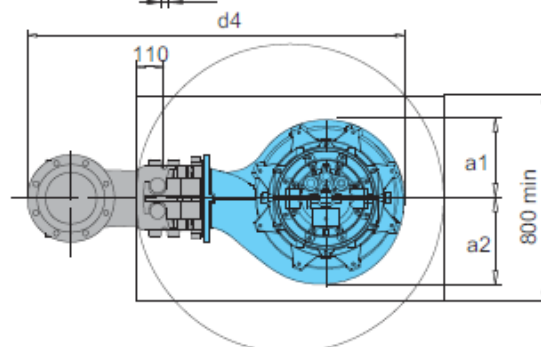
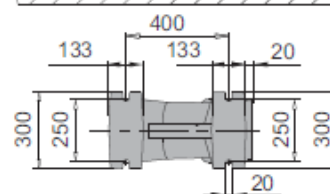
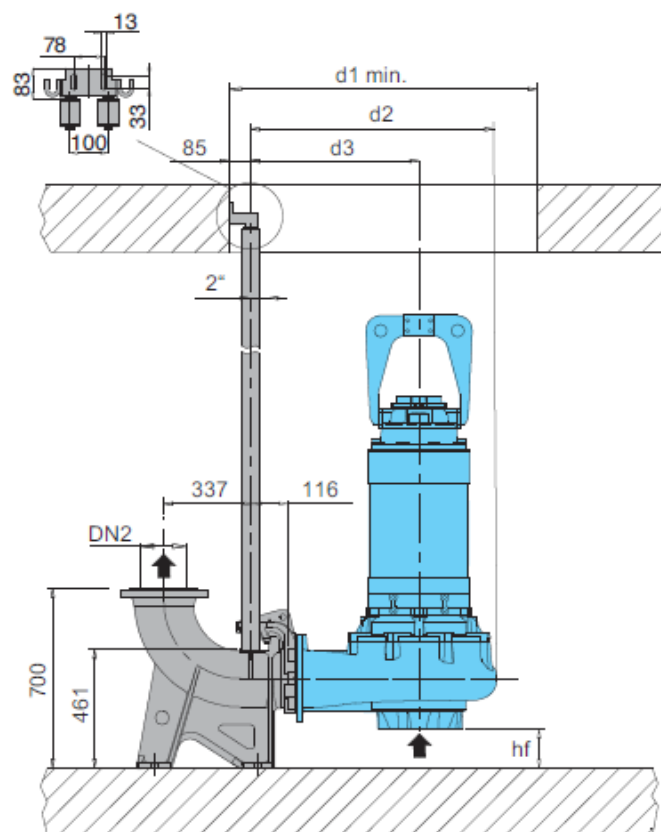
calpeda®

Dimensions and weights

GMN4 100-200
GMN6 100-200
GMN8 100-200



Version with foot



Version with duck foot coupling

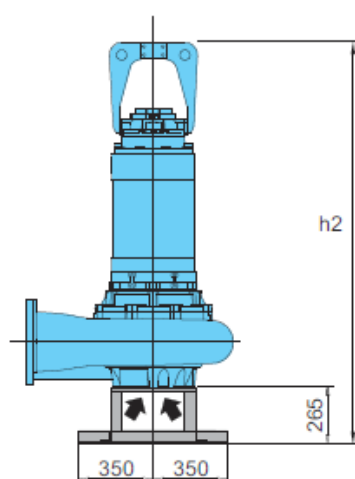
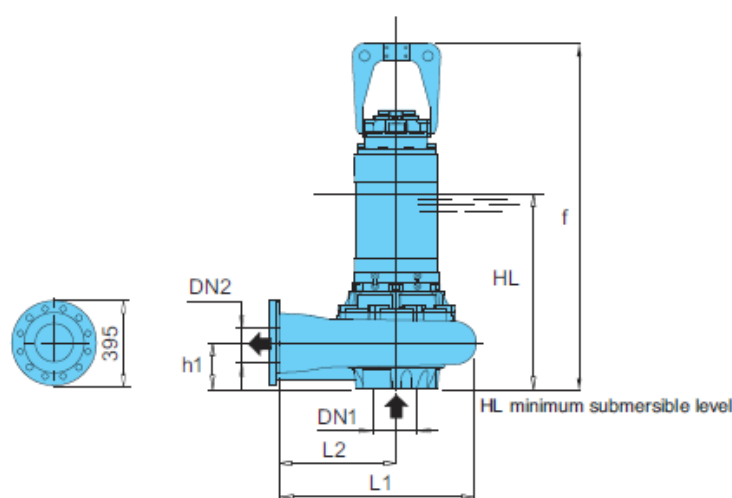
TYPE	EN 1092-2 PN 10		Dimensions mm																Weight kg
	DN1	DN2	f	HL	hf	h1	h2	a1	a2	d1	d2	d3	d4	L1	L2	L3	L4		
GMN4 100-200C	200	200	1613	780	153	198	1878	306	335	1200	962	656	1469	786	480	-	-	665	
GMN4 100-200B																			
GMN4 100-200A																			
GMN6 100-200F/A	200	200	1392	665	153	180	1655	269	336	1200	958	656	1314	782	480	-	-	471	
GMN6 100-200E/A																			
GMN6 100-200D/A																			
GMN8 100-200B	200	200	990	625	139	211	1254	269	335	1200	958	656	1466	782	480	-	-	414	

Dimensions and weights

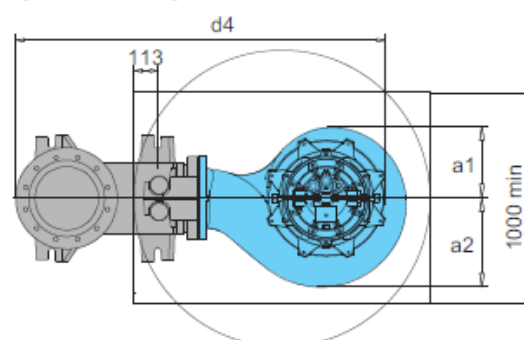
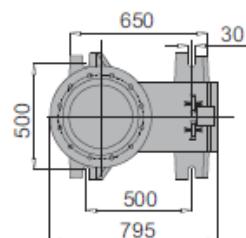
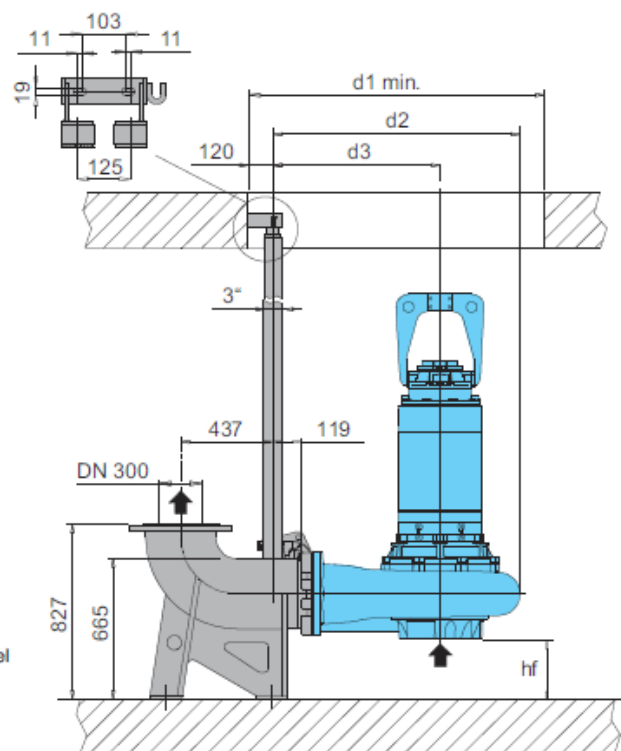
GMN4 100-250

GMN6 100-250

GMN8 100-250



Version with foot

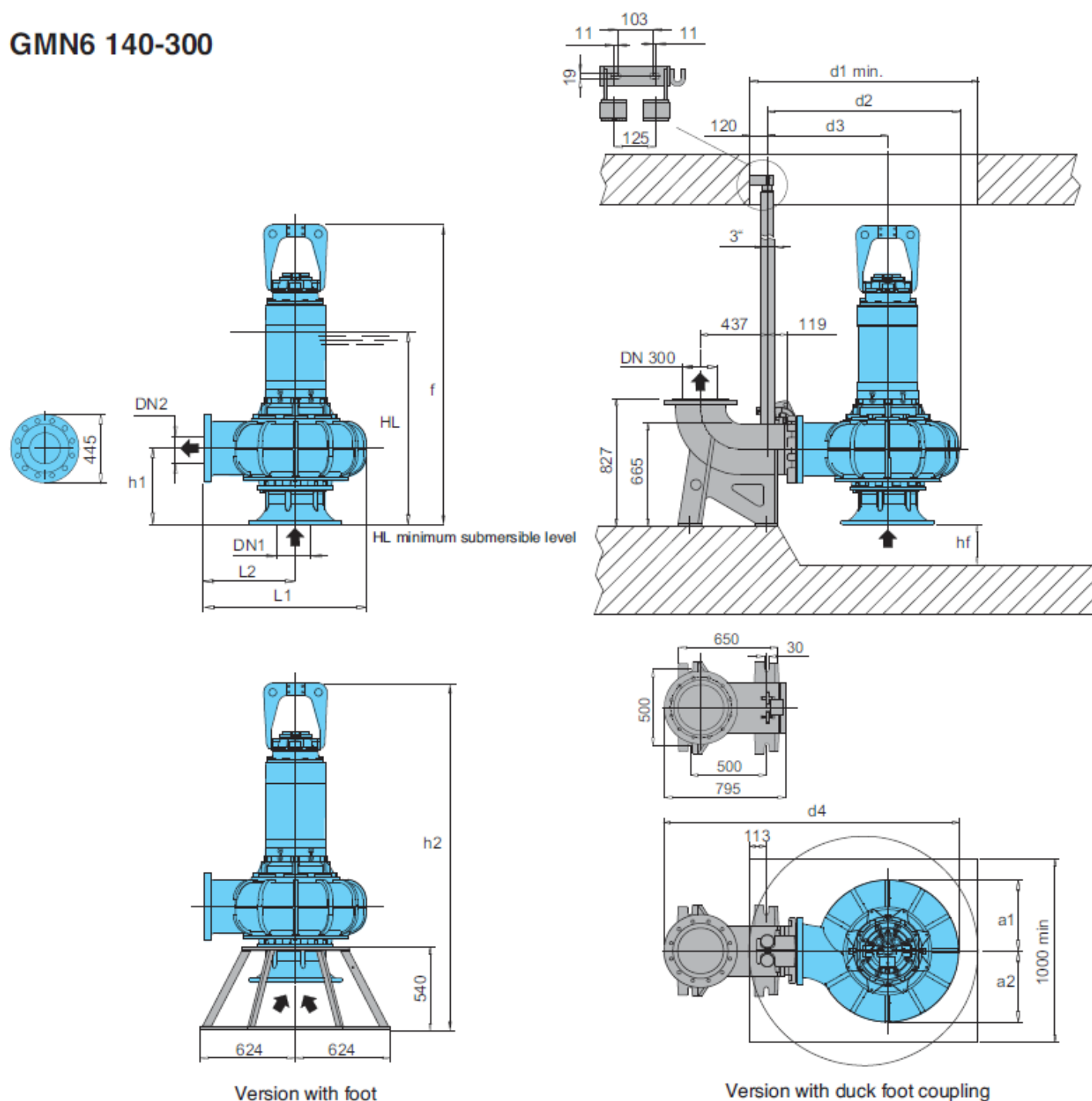


Version with duck foot coupling

TYPE	EN 1092-2 PN 10		Dimensions mm															Weight kg
	DN1	DN2	f	HL	hf	h1	h2	a1	a2	d1	d2	d3	d4	L1	L2	L3	L4	
GMN4 100-250D	250	250	1710	835	286	214	1975	336	419	1400	1167	789	1843	978	600	-	-	914
GMN4 100-250C																		
GMN4 100-250B																		
GMN4 100-250A																		
GMN6 100-250D	250	250	1113	660	286	214	1378	336	419	1400	1203	789	1843	1014	600	-	-	540
GMN6 100-250C																		
GMN6 100-250B	250	250	1629	800	286	214	1894	336	419	1400	1167	789	1843	978	600	-	-	730
GMN6 100-250A																		
GMN8 100-250B	250	250	1113	660	286	214	1378	336	419	1400	1203	789	1843	1014	600	-	-	490
GMN8 100-250A/A																		

Dimensions and weights

GMN6 140-300



TYPE	EN 1092-2 PN 10		Dimensions mm														Weight kg	
	DN1	DN2	f	HL	hf	h1	h2	a1	a2	d1	d2	d3	d4	L1	L2	L3		L4
GMN6 140-300D	350	300	1959	1127	260	494	2271	465	465	1500	1254	789	1930	1065	600	-	-	1024
GMN6 140-300C																		
GMN6 140-300B	350	300	2040	1164	260	494	2352	465	465	1500	1254	789	1930	1065	600	-	-	1200
GMN6 140-300A																		
GMN8 140-300A	350	300	1959	1127	260	494	2271	465	465	1500	1254	789	1930	1065	600	-	-	1024