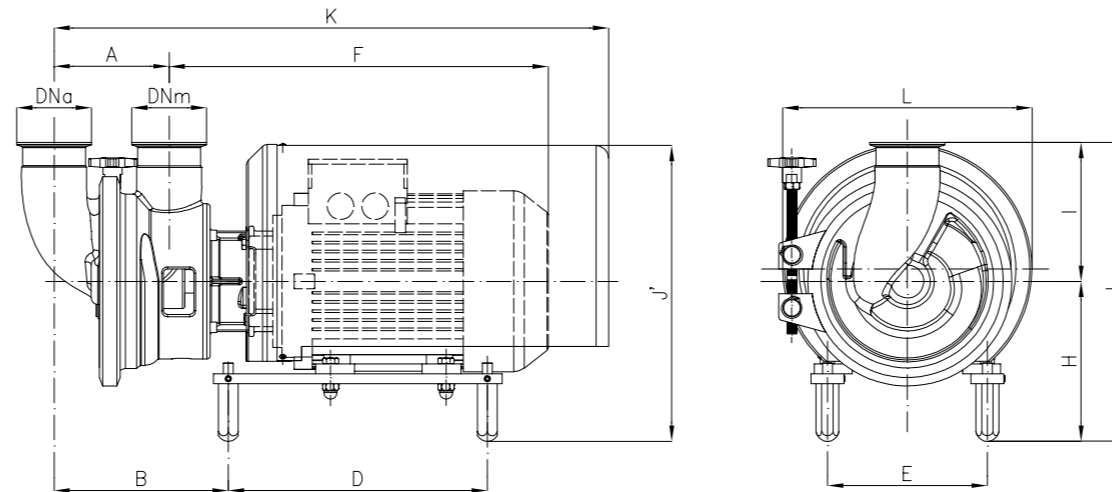


Pump type	IEC motor dimensions:	DNa	DNm	A	B	C	D	E	F	G	H	K	K'	I	J	J'	L		
CSA 50-210	90	2 1/2	2"	80	175	141	254	140	422	120	240	502	569	168	408	412	298		
	100				161	142	314	160	454			534	639			445	330		
	112				168			190	475			555							
	132 S				180	164	389	216	537			250	617			682	418	472	370
	132 M				180	164	389	216	537			250	617			682	418	472	370
CSA 50-260	160	2 1/2	2"	90	243	208	460	254	686	145	270	567	672	179	449	475	330		
	180				194	165	314	160	477			588	672			459	543	430	
	100				201			190	498			588				459	543	430	
	160				273	228	460	254	706			280	796			970	484	637	420
	180				188	228	600	279	788			305	878			1087			
CSA 65-145	80	3"	3"	79	172	145	254	125	379	112	245	458	572	138	383	409	298		
	90				178			140	426			505				409	298		
	100				164	146	314	160	458			537	642			450	330		
	112				171			190	479			558							
	132 S				183	168	389	216	541			255	620			685	393	477	370
CSA 65-175	132 M	3"	3"	80	246	212	460	254	690	120	280	769	940	138	418	543	430		
	160				178	144	254	140	425			505	572			409	298		
	90				164	145	314	160	457			537							
	100				171			190	478			558							
	112				183	167	389	216	540			255	620			685	393	477	370
CSA 65-210	160	3"	3"	90	246	211	460	254	689	135	265	571	676	158	423	470	330		
	180				174	224	600	279	784			537				418	543	430	
	90				212	168	254	140	449			537				443	637	420	
	100				198	169	314	160	481			537				429	298		
	112				205			190	502			558							
CSA 65-260	160	3"	3"	100	276	231	460	254	709	155	285	601	685	193	478	507	370		
	180				191	600	279	791	601			685	490			330			
	100				207	168	314	160	480			601	685			490	330		
	112				214			190	501			601	685			490	330		
	132 S				226	190	389	216	563			285	663			728	478	507	370
CSA 80-175	132 M	4"	3"	100	607					139	280	707	783	164	444	543	430		
	160				285	230	460	254	708			808	983			548	430		
	180				200	600	279	790	808			983							
	100				231	174	315	160	486			586	691			439	480	330	
	112				220			190	507			607							
CSA 80-210	160	4"	3"	100	231	195	389	216	568	145	285	668	734	164	444	497	370		
	180				291	236	600	254	714			814	989			444	543	430	
	100				206	171	314	160	483			583	688			490	330		
	112				217			190	504			604	688			449	507	370	
	132 S				229	193	389	216	566			666	731			164	449	507	370
CSA 80-260	160	4"	3"	100	288	233	460	254	711	165	300	811	986	209	509	548	430		
	180				203	600	279	793	893			1102	469			637	420		
	100				210	171	314	160	483			583	688			505	330		
	112				217			190	504			604	688						
	132 S				229	193	389	216	566			666	731			209	509	522	370
CSA 100-210	132 M	5"	4"	111	610					161	305	710	786	214	519	634	420		
	160				288	233	460	254	711			811	986			563	430		
	180				246	200	460	254	711			811	986			527	370		
CSA 100-260	132 M	5"	4"	115	246	195	389	216	612	186	325	727	803	216	541	547	370		
	160				305	235	460	254	713			828	1004			588	430		
	180				220			600	279			795	910			1118	657	420	

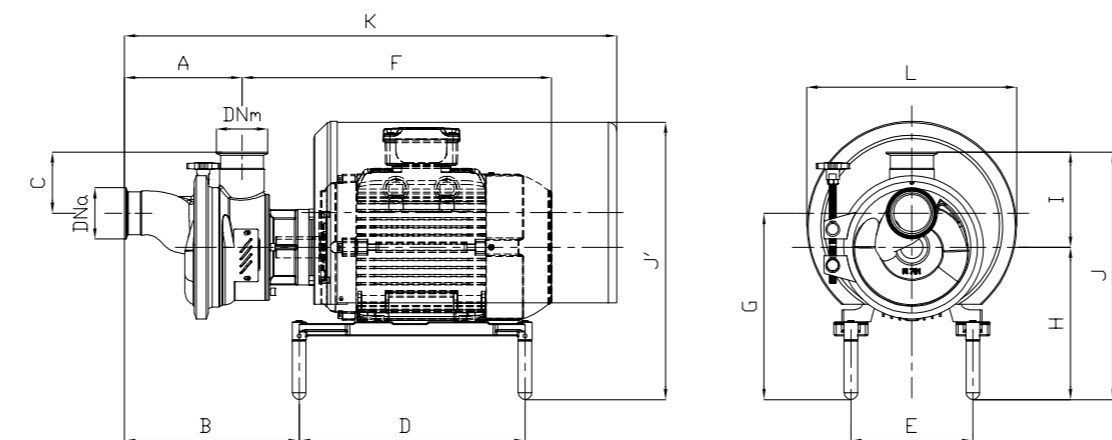
OVERALL DIMENSIONS ASH series
Dimensions not binding - DN = DIN 32676-C clamp connection with standard IEC/EN motors

ASH STANDARD ports



Pump type	kW	DNa	DNm	A	B	D	E	F	H	K	I	J	J'	L
ASH 40	1,1/1,5	1" 1/2	1" 1/2	91,3	204	270	140	408,5	228,5	500	138,6	367	430	302,5
	2,2/3				201	285	150	477	238,5	616		377	466	333
	4				241	285	150	477	238,5			387	466	
ASH 50	2,2/3	2"	2"	119	221	315	180	453,6	250,5	644,5	148,6	399	478	333
	4				214	400	216	539	270,5	738,5		419	492	372
	5,5				248	315	180	460	250,5	671,5		168,6	419	478
ASH 60	4	3"	3"	139,5	241	400	216	548,5	270,5	765,5	168,6	439	492	372
	5,5/7,5/9,2				241	400	216	548,5	270,5	766		439	492	372
	11/15				267	460	254	696	280,5	1040		168,6	449	579

ASH HORIZONTAL suction



Pump type	kW	DNa	DNm	A	B	C	D	E	F	G	H	K	I	J	J'	L
ASH 40	1,1/1,5	1" 1/2	1" 1/2	141,9	254,5	68,6	270	140	408,5	298,5	228,5	644	138,6	367	430	302,5
	2,2/3				251,5		285	150	477	308,5	238,5	667		377	466	333
	4				276		285	150	477	298,5	238,5			387	466	
ASH 50	2,2/3	2"	2"	166	268	88,6	315	180	453,6	308,5	250,5	691,5	148,6	399	478	333
	4				261		400	216	539	330,5	270,5	785,5		419	492	372
	5,5				316		400	216	539	330,5	270,5	785,5		168,6	419	478
ASH 60	4	3"	3"	207,6	309	108,6	315	180	460	310,5	250,5	739,5	168,6	439	492	372
	5,5/7,5/9,2				309		400	216	548,5	330,5	270,5	833,5		439	492	372
	11/15				302,5		400	216	548,5	330,5	270,5	827		168,6	439	492
ASH 65	5,5/7,5/9,2	3"	3"	201	328	108,6	400	216	548,5	330,5	270,5	827	168,6	449	579	480
	11/15				460		254	696	340,5	280,5	1101					



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DCATLCSASHGB 25/08/21



HYGIENIC CENTRIFUGAL PUMPS
CSA series

Sanitary centrifugal pumps in close-coupled version, with independent support.
Designed, tested and approved according to EHEDG (European Hygienic Engineering & Design Group) specifications and 3-A Sanitary Standards, for use essentially in the food and pharmaceutical industries where specific health regulations are in force.
Consequently, modular construction concepts have been created in suitable executions.

- Main features:
-Open impeller with excellent performance and low NPSH values
-Made entirely of CF-3M 1.4404 / AISI 316L grade stainless steel
- Investment castings with special finishes with Ra up to 0.5 microns.
-Complete with adjustable stainless steel support feet - Support with grease lubricated bearings.
-Closure of the body with a clamp allows for quick and easy disassembly for inspection, cleaning and maintenance operations; The delivery port can be rotated to any position.
Executions suitable for motors complying with standards: IEC 34-1, VDE 0530T1, NF C51-111, BS5000 PART 99, NEMA NG1 PART.1.

ATEX versions also available on request.



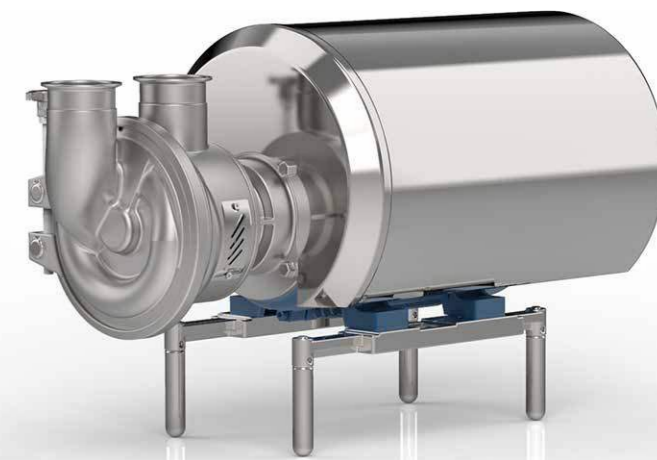
SANITARY SELF-PRIMING PUMPS
ASH series

Self-priming sanitary centrifugal pumps in close-coupled version, with independent support.
Approved according to 3-A Sanitary Standards.
Made for different application needs, they are a top product thanks to the design features, materials and technologies used.

- They can handle liquids which release gas or create foam and with the suction pipe only partly filled.
Main features:
Made entirely from CF-3M 1.4404/ AISI 316L stainless steel. Investment castings and special finishes with Ra up to 0.8 microns. Electrochemical polishing treatment.
Adjustable stainless steel support feet and grease lubricated bearings.

Casing closed by means of a clamp. Easily to disassemble for inspection, cleaning and maintenance operations.
Executions suitable for motors complying with standards: IEC 34-1, VDE 0530T1, NF C51-111, BS5000 PART 99, NEMA NG1 PART.1 .

ATEX versions also available on request.



TECHNICAL DATA CSA series

Flow rates up to 300 m³/h
 Head values up to 100 m
 Maximum operating pressure 10 up to 100°C
 Temperature range -20°+ +100°
 High performance, with low NPSH values.

Mechanical seals:

With seats to EN 12756, ISO 3069 standards.
 Single internal mechanical seal
 Single external mechanical seal
 External flushed mechanical seal + TMR

Elastomers (FDA Regulation (EC) No. 1935/2004):

EPDM
 FPM - FKM
 FFPM - FFKM
 FEP

Connections:

CLAMP DIN 32676-C and DIN 11864



TECHNICAL DATA ASH series

Flow rates up to 40 m³/h
 Head values up to 35 m (a 50 Hz)
 Maximum operating pressure 6 bar up to 100°C
 Temperature range -20°+ +100°

Mechanical seals:

Single internal mechanical seal, protected and balanced, with seats according to EN 12756, ISO 3069.

Elastomers (FDA Regulation (EC) No. 1935/2004):

EPDM
 FPM - FKM
 FFPM - FFKM
 FEP

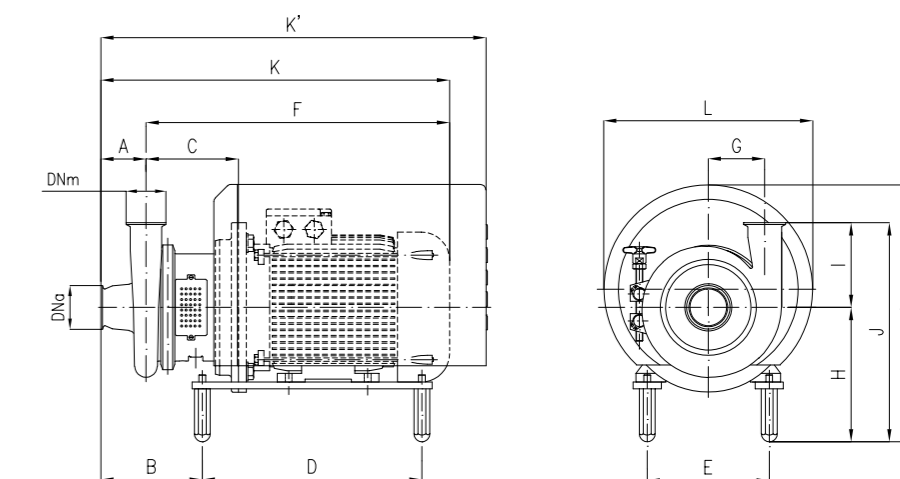
Connections:

CLAMP DIN 32676-C and DIN 11864



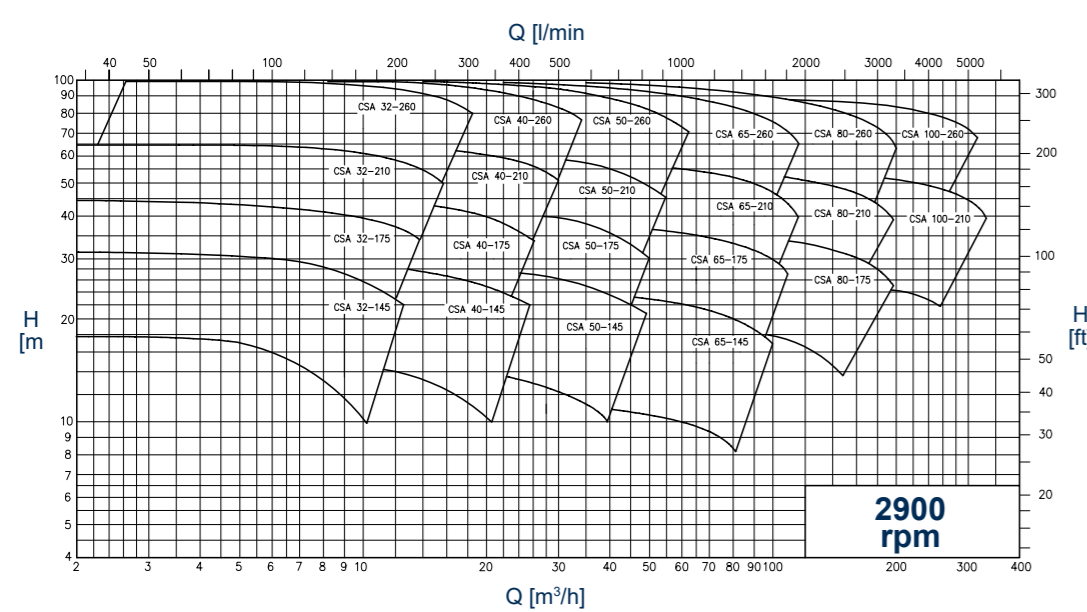
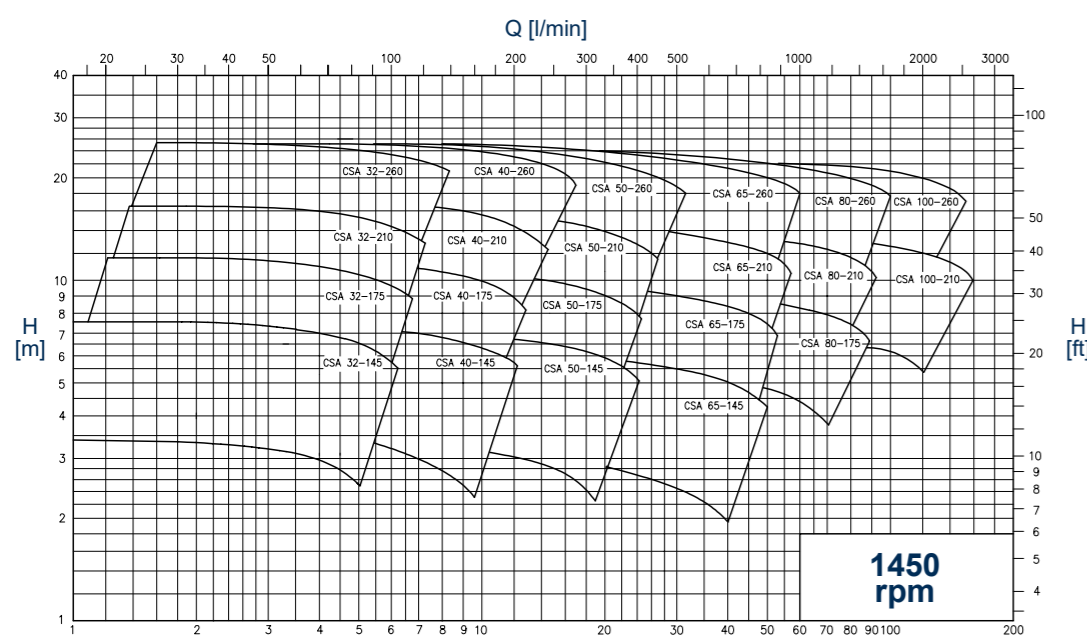
OVERALL DIMENSIONS CSA series

Dimensions not binding - DN = "Clamp" DIN 32676-C connections, with standard IEC/EN motors



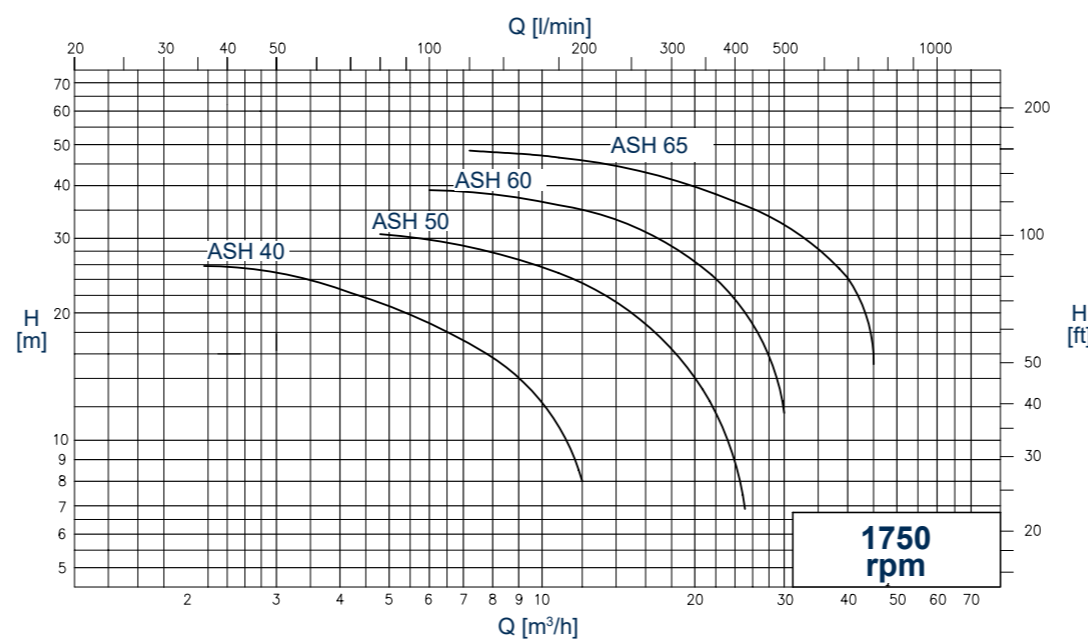
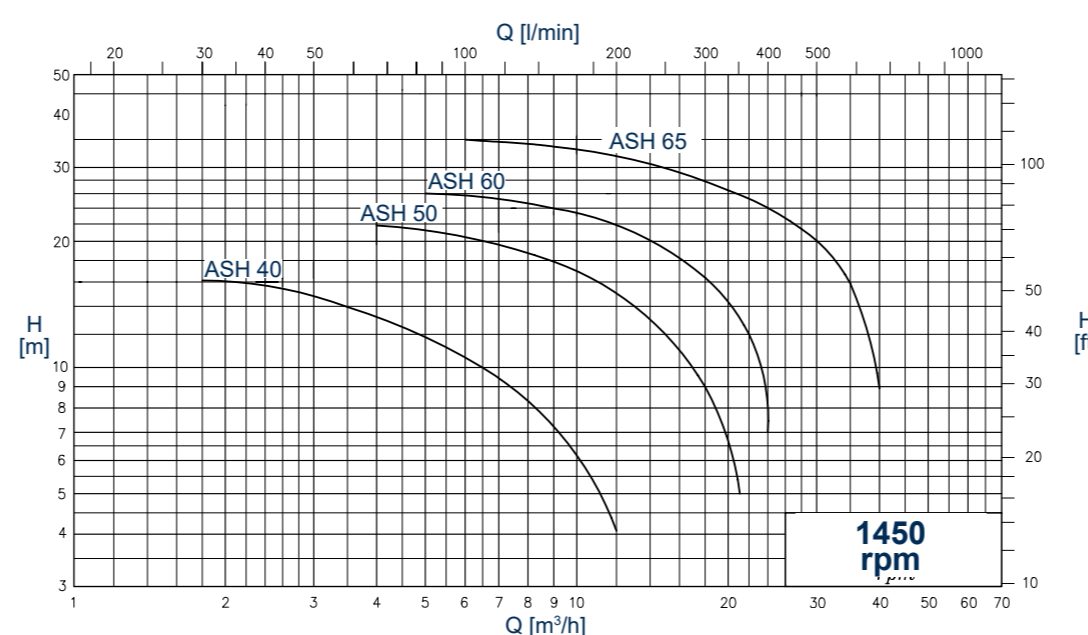
GENERAL DIAGRAMS CSA series

(Performance applies to H₂O at 20 °C, 1013 mbar, Data not binding)



GENERAL DIAGRAMS ASH series

(Performance applies to H₂O at 20 °C, 1013 mbar, Data not binding)



Pump type	IEC motor dimensions:	DNa	DNm	A	B	C	D	E	F	G	H	K	K'	I	J	J'	L
CSA 32-145	80	1"1/2	1"1/2	80	166	138	254	125	372	85	220	452	566	148	368	384	298
	90				172	140	419	230	499		378	394					
	100				158	139	314	160	451		240	531	388		445		
	112				165	190	473	230	553		378	435	330				
CSA 32-175	80	1"1/2	1"1/2	80	167	139	254	125	373	95	220	453	567	148	368	384	298
	90				173	140	420	230	500		378	394					
	100				159	140	452	240	532		388	445					
	112				166	190	473	230	553		378	435	330				
CSA 32-210	80	1"1/2	1"1/2	80	167	139	254	125	373	110	230	453	567	168	398	402	298
	90				173	140	420	240	532		408	445					
	100				159	160	452	240	532		388	445					
	112				166	190	473	230	553		398	435	330				
CSA 32-260	132 S	2"	1"1/2	90	177	161	389	216	534	140	255	614	680	168	423	477	370
	132 M				160	163	254	140	444		280	658	735		388	445	
	160				241	206	460	254	684		280	764	935		448	543	430
	90				193	164	314	160	476		260	566	671		428	465	330
CSA 40-145	100	2"	2"	80	200	185	389	216	558	90	280	648	714	133	448	543	430
	112				173	139	254	140	444		260	587	671		428	465	330
	132 S				211	185	389	216	558		280	793	967		448	543	430
	132 M				160	163	254	140	444		260	566	671		428	465	330
CSA 40-175	80	2"	2"	80	167	139	254	125	373	95	220	453	567	150	353	384	298
	90				173	140	420	230	503		363	394					
	100				159	140	314	160	452		240	532	373		445		
	112				166	190	473	230	553		363	435	330				
CSA 40-210	80	2"	2"	80	168	141	254	125	375	115	220	455	569	160	370	384	298
	90				175	140	422	230	502		380	394					
	100				161	142	314	160	454		240	534	390		445		
	112				168	142	314	190	475		230	555	639		380	435	330
CSA 40-260	132 S	2"	2"	100	180	164	389	216	537	145	255	617	682	172	405	477	370
	132 M				160	164	389	216	537		280	766	937		430	543	430
	160				243	208	460	254	686		280	766	937		430	543	430
	90				168	141	254	140	422		235	455	569		395	399	298
CSA 40-260	100	2"	2"	80	161	142	314	160	454	115	240	502	639	160	400	445	330
	112				168	142	314	190	475		235	555	639		395	440	
	132 S				180	164	389	216	537		250	617	682		410	472	370
	132 M				160	164	389	216	537		280	766	937		440	543	430
CSA 50-145	80	2"1/2	2"	80	217	163	254	140	444	95	260	544	611	139	452	502	430
	90				203	164	314	160	476		260	576	681		432	465	330
	100				210	164	314	190	497		260	597	681		432	465	330
	112				221	185	389	216	558		260	658	724		472	482	370
CSA 50-145	132 S	2"1/2	2"	80	180	164	389	216	537	95	280	803	978	154	452	502	430
	132 M				160	164	389	216	537		280	803	978		477	637	420
	160				195	225	460	254	785		220	454	569		359	384	298
	80				169	141	254	140	422		230	502	569		369	394	298
CSA 50-175	80	2"1/2	2"	80	161	142	314	160	454	100	240	534	639	139	379	445	330
	90				168	142	314	190	475		230	555	639		369	435	
	100				180	164	389	216	537		255	617	682		394	477	370
	112				169	141	254	140	422		230	454	569		384	394	298
CSA 50-175	132 S	2"1/2	2"	80	161	142	314	160	454	100	240	534	639	154	394	445	330
	132 M				160	142	314	190	475		230	555	639		384	435	
	160				180	164	389	216	537		255	616	682		409	477	370
	80				169	141	254	140	422		280	766	937		434	543	430