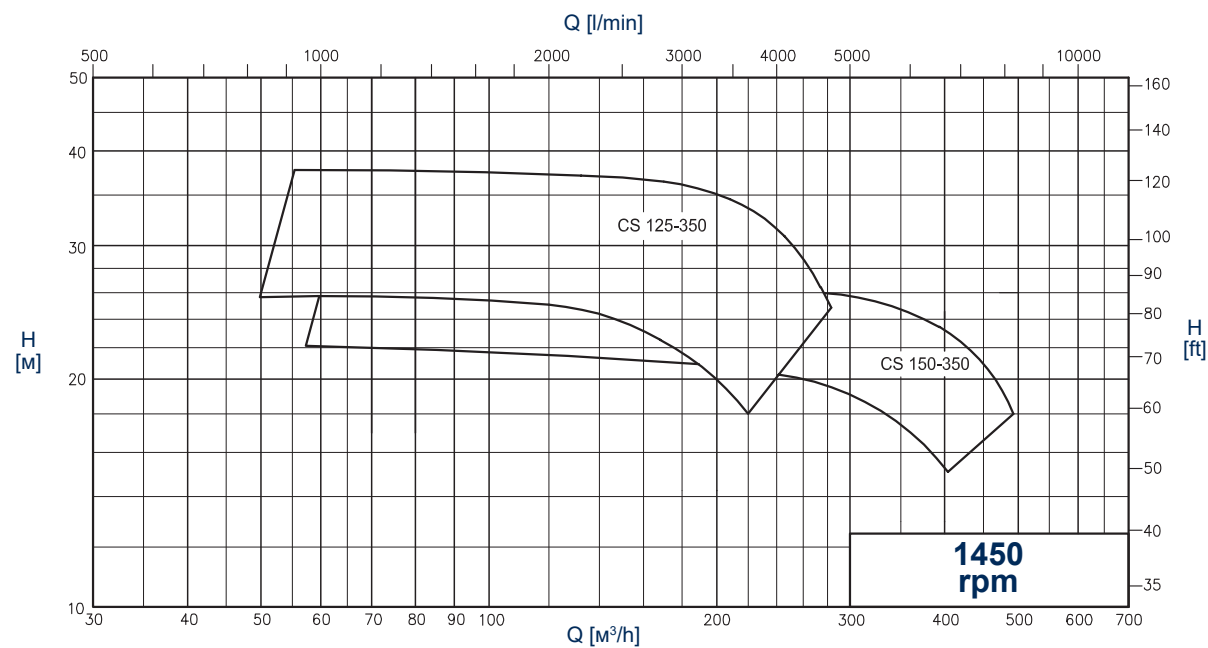
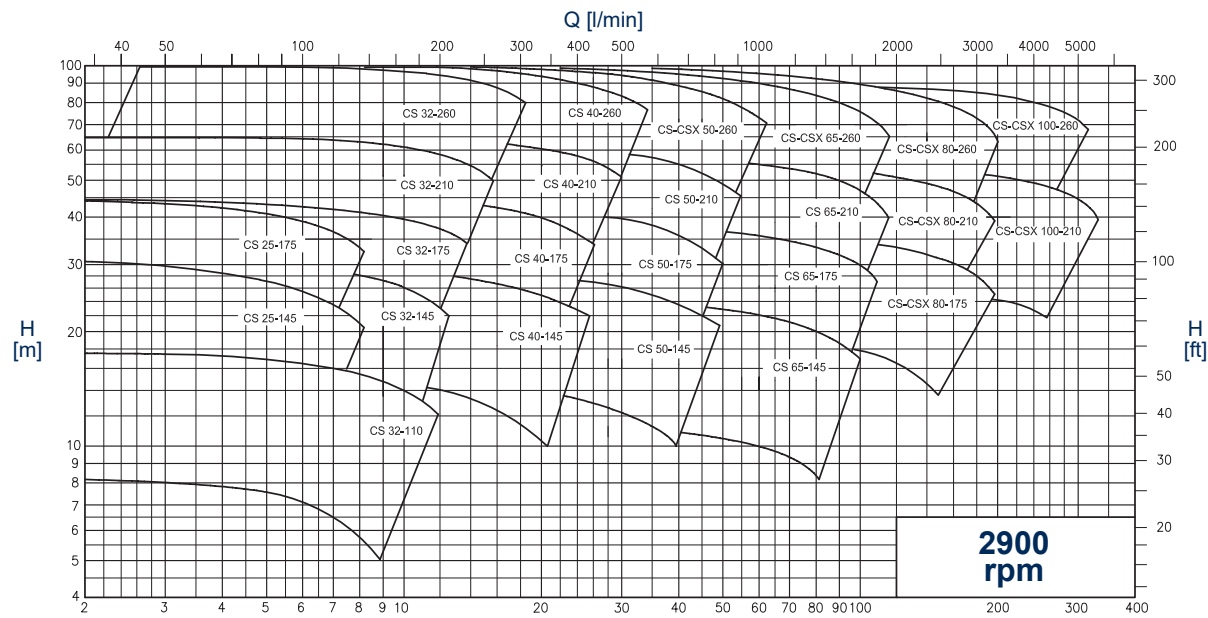
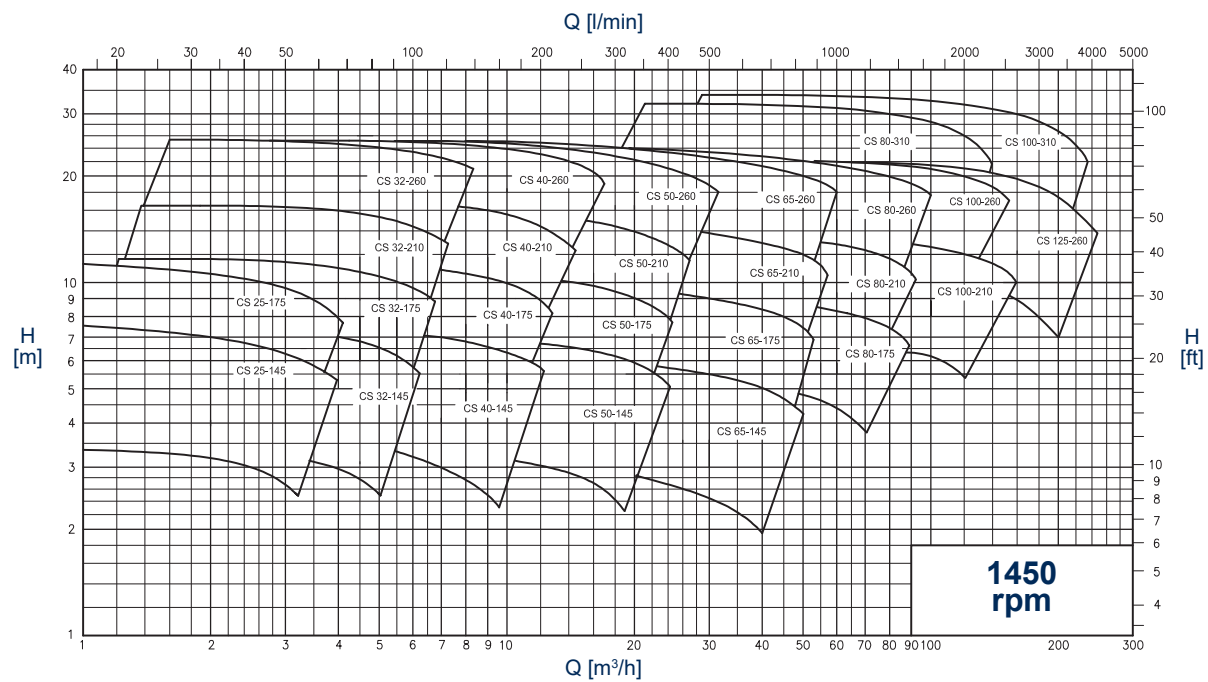
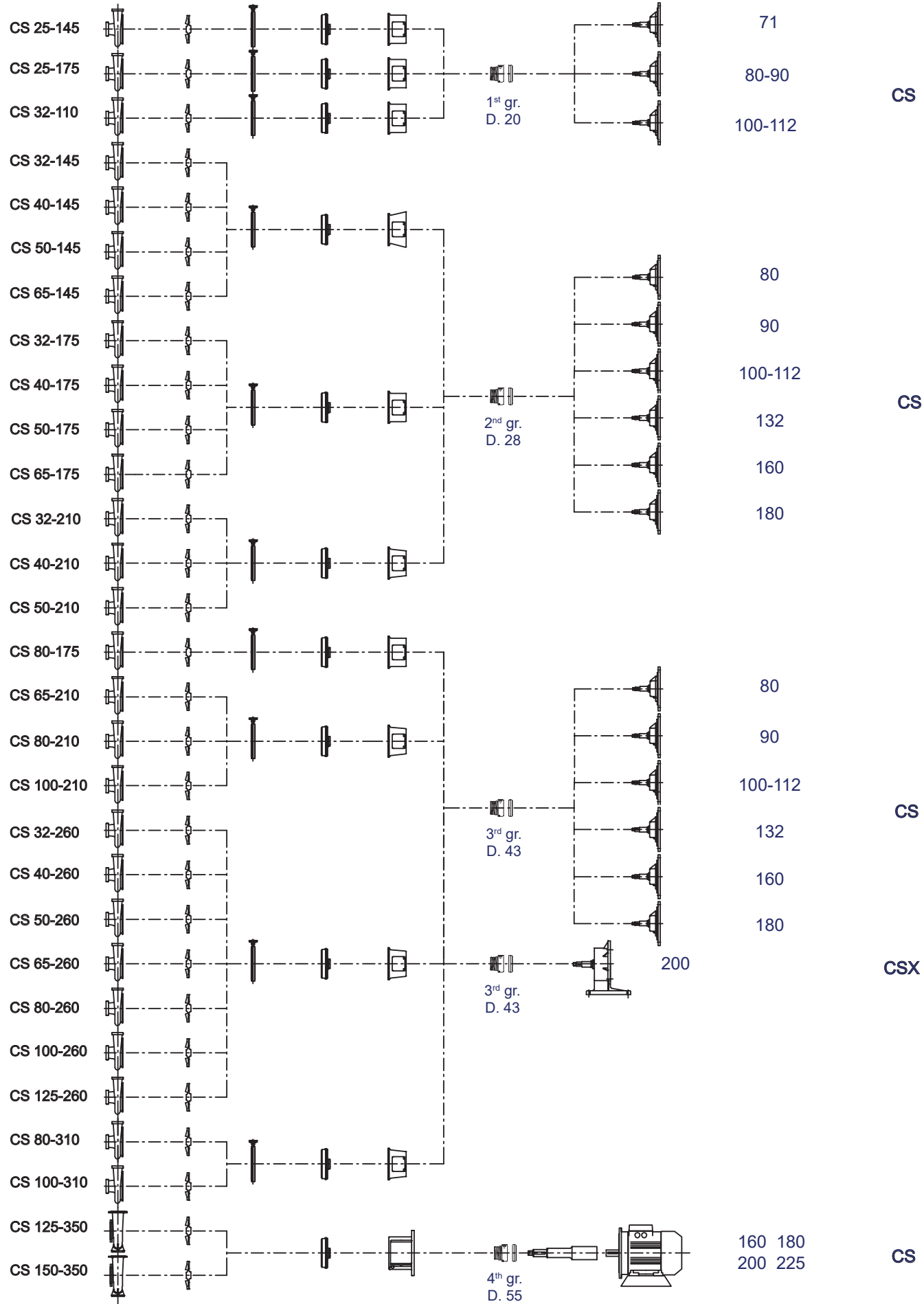


GENERAL DIAGRAMS
(Performance applies to H₂O at 20 °C, 1013 mbar. Data not binding)



A wide range of 29 models divided into 4 groups.



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DCATLCSGB 07/02/2024



CENTRIFUGAL SANITARY PUMPS
CS - CSX series

Closed coupled hygienic centrifugal pumps with open impellers. CS Series pumps meet the highest requirements of the food, pharmaceutical, chemical and water treatment industries. The pumps are designed to a modular concept, resulting in a large number of models and a massive performance range.

When combined with the extremely robust construction, these highly efficient pumps become ideal for any hygienic process system.

Wetted parts in CF-3M 1.4404 / AISI 316L stainless steel, investment cast and electro-chemically polished. Special internal finishes to 0,5 micron Ra are available on request (not on sizes 125 to 150). The clamp casing and seal design allows quick disassembly for inspection, cleaning and maintenance. It also enables the delivery port to be rotated to any position for easy installation (not on sizes 125 to 150).

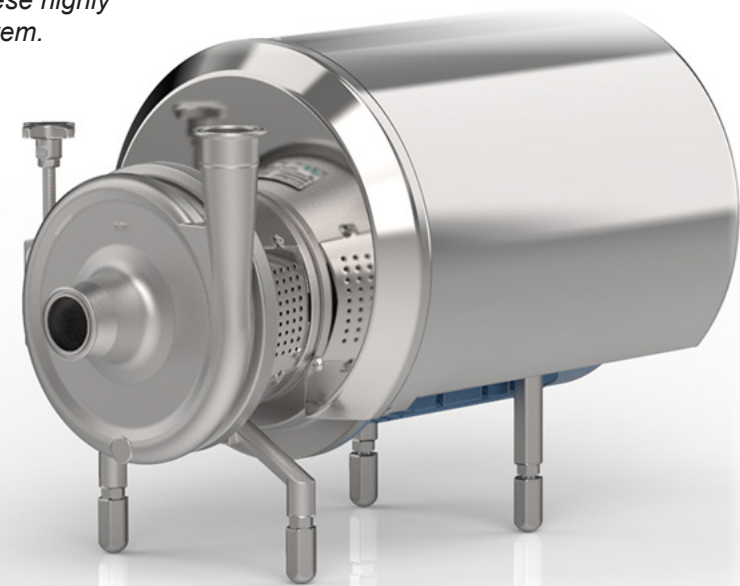
Separate IEC standard motor.

For aggressive products and environments, CS pumps can on special request, be manufactured in the following materials:

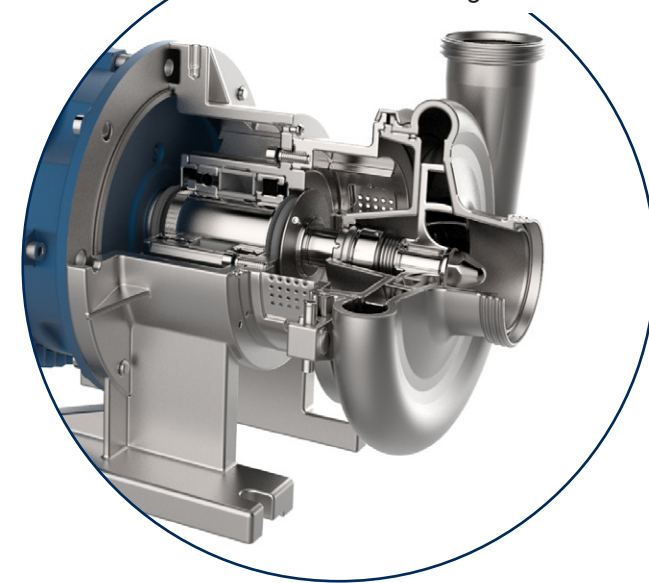
- Superduplex
- Nickel steel

Note: upon availability with CSF.

ATEX-compliant versions also available on request.



CS pump X execution, close coupled centrifugal pumps with separate support frame and grease lubricated bearings, for extremely arduous applications.



Special version equipped with an inducer in the suction port. This device is fitted immediately upstream of the impeller to reduce the NPSH required by the pump.

TECHNICAL DATA

Flow rates up to 500 m³/h
Heads up to 100 m
Maximum operating pressure 10 bar up to 100°C
Temperature range -20°÷ +100°
(on request up to 140 °C for water and up to 190°C for food oil, to be specified on purchase order).
High performance, with low NPSH values.

Mechanical seals:

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

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

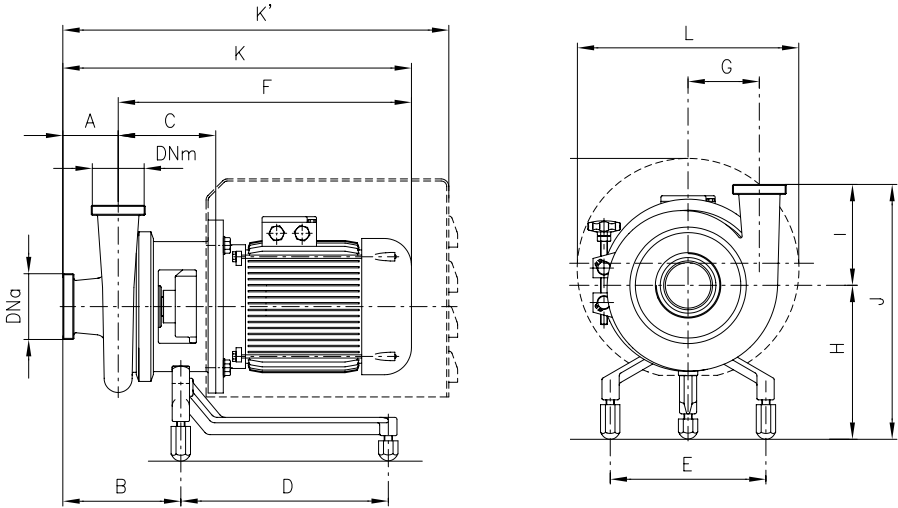
Nitrile (NBR)
Ethylene propylene (EPDM)
Special fluorocarbon seal
Fluorocarbon seal (FPM - FKM)
FEP
FFPM - FFKM
Silicone

Connections:

DIN - SMS - IDF - BS / RJT - DS - CLAMP and
EN1092-1 PN16 flanges suitable for all international standards.

OVERALL DIMENSIONS

Dimensions not binding - DN = DIN 11851 male threaded connections with standard IEC/EN motors



Pump type	IEC motor dimensions:	DNa	DNm	A	B	C	D	E	F	G	H	K	K'	I	J	J'	L
CS 25-145	71	32	25	75	144	117	190	178	335	81	158	410	532	145	303	300	239
	80					123			359			434	541			340	298
	90					403			478			478	522			306	239
CS 25-175	71	32	25	65	134	117	190	178	335	96	164	400	522	149	313	306	239
	80					123			359			424	531			346	298
	90					403			468			468	531			359	353
CS 32-110	100	40	32	70	137	138	301	225	454	65	210	519	619	110	259	353	330
	112					466			531			531	619			359	353
	71					117			335			405	527			291	239
CS 32-145	80	40	32	80	167	123	190	178	359	85	208	454	536	145	353	300	298
	90					403			473			473	536			340	298
	100					455			535			535	566			372	298
CS 32-175	112	40	32	80	167	139	231	225	467	95	213	455	527	150	363	300	239
	80					117			335			405	527			291	239
	90					123			359			429	536			331	298
CS 32-210	100	40	32	80	158	138	231	225	454	110	230	454	536	165	380	300	239
	112					466			531			531	619			359	353
	71					117			335			405	527			291	239
CS 32-260	80	50	32	90	184	123	190	178	359	140	208	454	536	172	393	300	239
	90					403			473			473	536			340	298
	100					455			535			535	566			372	298
CS 40-145	112	50	40	80	168	139	231	225	467	90	213	455	527	133	341	300	239
	80					117			335			405	527			291	239
	90					123			359			429	536			331	298
CS 40-175	100	50	40	80	169	138	231	225	454	95	213	455	527	150	363	300	239
	112					466			531			531	619			359	353
	71					117			335			405	527			291	239
CS 40-210	80	50	40	80	161	123	190	178	359	115	221	455	527	165	386	300	239
	90					403			473			473	536			340	298
	100					455			535			535	566			372	298
CS 40-260	112	50	40	80	161	139	231	225	467	115	221	455	527	165	386	300	239
	80					117			335			405	527			291	239
	90					123			359			429	536			331	298

Pump type	IEC motor dimensions:	DNa	DNm	A	B	C	D	E	F	G	H	K	K'	I	J	J'	L
CS 40-260	90	50	40	100	194	163	231	225	443	145	221	543	611	172	393	385	298
	100					164	301		480		580	680	410		443	330	
	112					492	592		238		592	680	410		443	330	
CS 50-145	80	65	50	80	170	141	231	225	377	95	208	457	569	145	353	372	298
	90					421	458		501		538	638	370		430	330	
	100					470	550		225		538	638	370		430	330	
CS 50-175	112	65	50	80	169	141	231	225	377	100	213	457	569	150	363	377	298
	80					421	458		501		538	638	380		435	330	
	90					470	550		230		538	638	380		435	330	
CS 50-210	100	65	50	80	161	141	231	225	421	120	221	501	569	165	386	385	298
	112					458	470		538		638	402	443		330		
	100					470	550		238		538	638	402		443	330	
CS 50-260	112	65	50	90	185	165	301	225	481	145	238	571	671	175	413	443	330
	100					493	583		571		671	413	443		330		
	80					381	425		112		208	460	572		145	353	372
CS 65-145	90	80	65	79	173	145	231	225	425	112	225	504	642	145	370	430	330
	100					462	474		553		541	642	370		430	330	
	112					474	553		213		504	572	363		377	298	
CS 65-175	90	80	65	80	172	144	231	225	424	120	213	504	572	150	380	435	330
	100					461	473		553		541	641	380		435	330	
	112					473	553		230		541	641	380		435	330	
CS 65-210	90	80	65	90	189	168	231	225	448	135	221	538	605	165	386	385	298
	100					485	497		575		675	403	443		330		
	112					497	587		238		587	675	403		443	330	
CS 65-260	100	80	65	100	198	168	301	225	484	155	238	584	684	205	443	443	330
	112					496	596		584		684	443	443		330		
	100					490	502		139		230	590	690		164	394	435
CS 80-175	112	100	80	100	204	174	301	225	502	145	230	602	690	164	394	435	330
	100					487	499		587		599	687	165	403	443	330	
	112					499	599		238		587	599	687	165	403	443	330
CS 80-210	100	100	80	100	201	171	301	225	487	145	238	587	687	165	403	443	330
	112					499	599		238		587	599	687	165	403	443	330
CS 80-260	100	100	80	100	201	171	301	225	487	165	238	587	687	209	447	443	330
	112					499	599		238		587	599	687	209	447	443	330