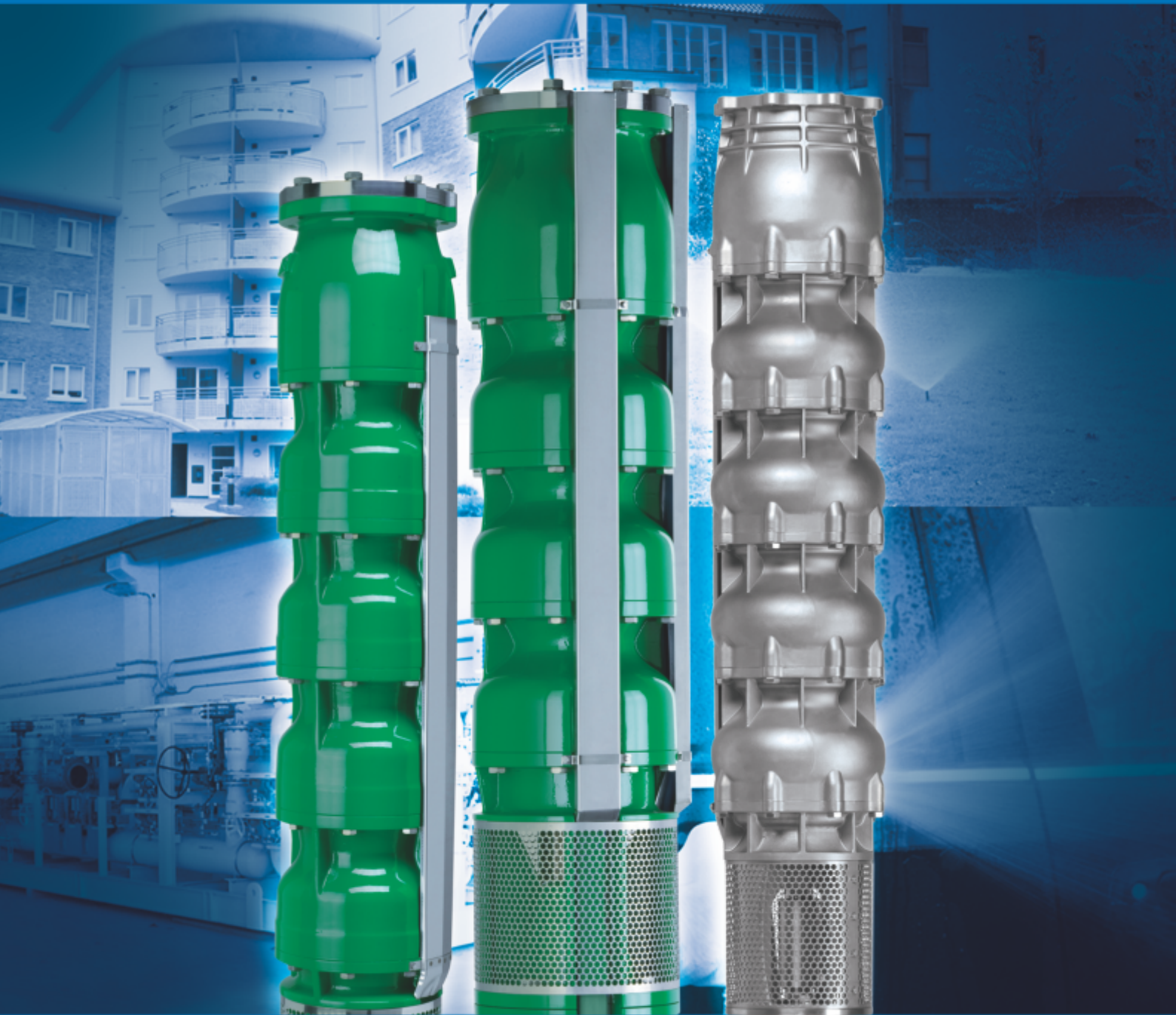


DEEPWELL SUBMERSIBLE PUMPS
EVERGREEN & STAINLESS STEEL
GRAND SERIES - 60Hz







C.R.I. PUMPS

Pumping trust. Worldwide.

T H E B E G I N N I N G

of C.R.I., way back in 1961, was a resolute attempt to produce a few irrigation equipments using the limited facilities of an in-house foundry. Eventually the founder's dream was coming true as the small production unit he started kept growing rapidly. Now, after more than five eventful decades, it is an enormous, widely reputed organization, which produces more than 1200 varieties of perfectly engineered pumps and motors and sells its products in numerous countries spread across 6 continents.

C . R . I . I S O N E A M O N G

the few pioneers in the world to produce 100% stainless steel submersible pumps. Having achieved a record production capacity of over 1.5 million pumps per annum, today C.R.I. is rubbing its shoulders with the best brands in the world, with advanced technology and safety standards as its hallmarks.

T H E I N F R A S T R U C T U R E

of C.R.I. is pretty comprehensive with state-of-the-art machineries and high potential in-house R&D recognised by the ministry of science and technology, Govt. of India - all within its own covered area of 150,000 square metres. The production environment is accredited with ISO 9001 & 14001 certifications and the products are CE, UR/UL, TSE & ISI certified. The R&D team always stays in tune with the changing scenario and seldom fails in coming up with outstanding solutions every time.

N E E D L E S S T O S A Y ,

behind this legendary growth lies the untiring, innovative, enthusiastic and dedicated team work. and, of course, a flawlessly maintained value system too. The name C.R.I. itself encapsulates the company's ethos: " Commitment, Reliability, Innovation".





C.R.I. PUMPS
Pumping trust. Worldwide.

Vision, Mission and Values

To be the industry leader providing best - in - class fluid management solutions to individual and institutional customers and societies in our chosen markets.

We will achieve this through our dedicated efforts to enhance the welfare of all our stakeholders and by living by our values of **commitment, reliability and innovation.**

C O N T E N T S

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GENERAL INFORMATION

DEEPWELL SUBMERSIBLE PUMPS EVERGREEN - GRAND SERIES

C.R.I. Always equips itself in advance to face the exponentially growing technological challenges across the industry and to gain high level of customer satisfaction.

C.R.I. Introduced wide range of Evergreen-Grand Series Submersible Pumps to satisfy the increasing demand of both high flow and high head applications. These pumps are designed and developed using advanced technologies and integrated quality control programs backed by 50 years of profound experience which ensure low life cycle cost. These pumps are manufactured with highest levels of standardization and efficiency of use.

This Evergreen Grand series pumps are available in 8", 10" & 12" Nominal Diameters with a maximum flow upto 660 m³/h and maximum head upto 580 meters. These pumps are offered with different materials of constructions & variants that are customized to suit customers specific applications in different segments including SS 304 casted constructions.

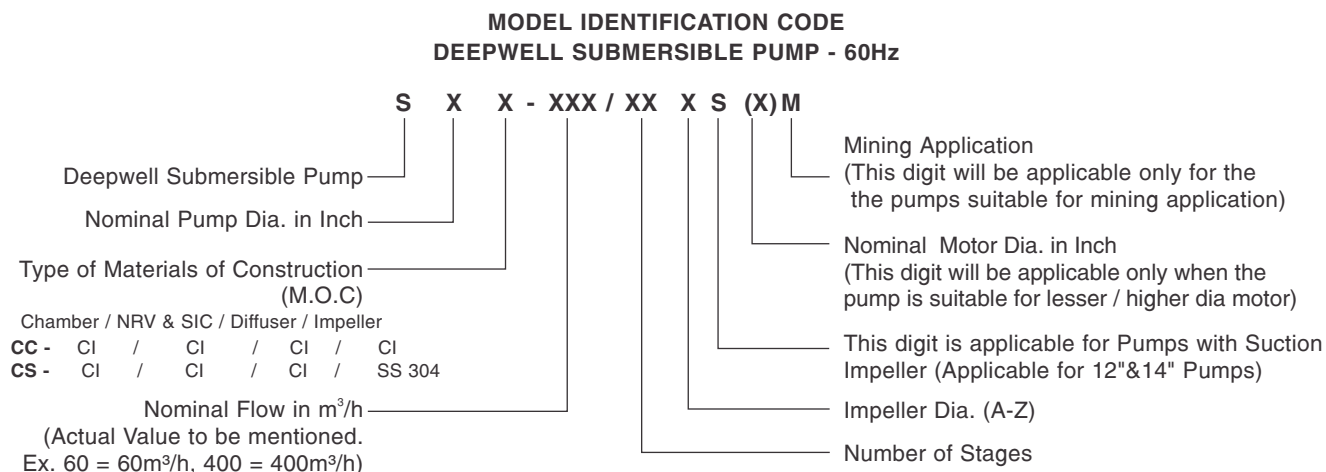
Features : | Best operating efficiency | Extremely hardwearing water lubricated bearings | Highly durable | Can be easily dismantled and repaired | Can handle more upthrust loads.

Applications : | Irrigation | Civil Water Supply | Industrial & Rural Water Supply | Fire Fighting | Pressure Boosting Units | Sprinkler Systems | Mining.



EVERGREEN GRAND SERIES

Model Identification Code



Pumped liquids

Clean, thin, non-aggressive, non explosive, clear, cold, fresh water without abrasives, solid particles or fibre having the following characteristics.

a)	Temperature	30°C (max.)
b)	Permissible amount of sand	40g/m ³ (max.)
c)	Chlorine ion density	500 ppm (max.)
d)	Allowable solids	3000 ppm (max.)
e)	Specific gravity	1.004 (max.)
f)	Hardness (Drinking water)	300 (max.)
g)	Viscosity	1mm ² /sec
h)	Turbidity	50 ppm silica scale(max.)
i)	pH	6 to 10

Maximum Temperature of Pumped Liquid

Motor	Minimum cooling flow along the motor	Vertical installation	Horizontal installation minimum 30° angle
8"-14"	0.16 m/s	30°C	30°C

Maximum operating pressure	
8" & 10" Submersible pump	4.9Mpa (49 bar)
12" Submersible pump	3.2Mpa (32 bar)

Pump Operating Limitations				
Nominal diameter		8"(150mm)	10"(250mm)	12"(300mm)
Power Range in HP		25 - 150	25 - 250	100 - 340
Speed in rpm		3450	3450	3450
Max. Discharge	m ³ /h	216	456	660
	lps	60	127	183
Max. Head	m	371	580	259
	ft	1217	1902	850
Outlet Size (BSP)		5"	4" & 6"	7"

GENERAL INFORMATION

Materials of Construction

PART NAME	PART No.	NOMINAL DIA . 8"	NOMINAL DIA . 10"	NOMINAL DIA . 12"
CHECK VALVE HOUSING	21.00	CI	CI	CI
CHECK VALVE DISC	21.06	SS	CI	CI
DIFFUSER CHAMBER	18.03	CI	CI	CI
IMPELLER	19.00	CI / SS 304 (CASTED)	CI / SS 304 (CASTED)	CI
JOURNAL BEARING	18.06	RUBBER	RUBBER	RUBBER
BUSH	18.06	BRASS (GROME PLATED)	BRASS (GROME PLATED)	BRONZE
WEAR RING	17.01	RUBBER	RUBBER	BRONZE
SUCTION INTER CONNECTOR	17.00	CI	CI	CI
INLET SCREEN	14.03	SS	SS	SS
PUMP SHAFT	22.00	SS	SS	SS
CABLE GUARD	17.04	SS	SS	SS
COUPLING	22.01	SS	SS	SS

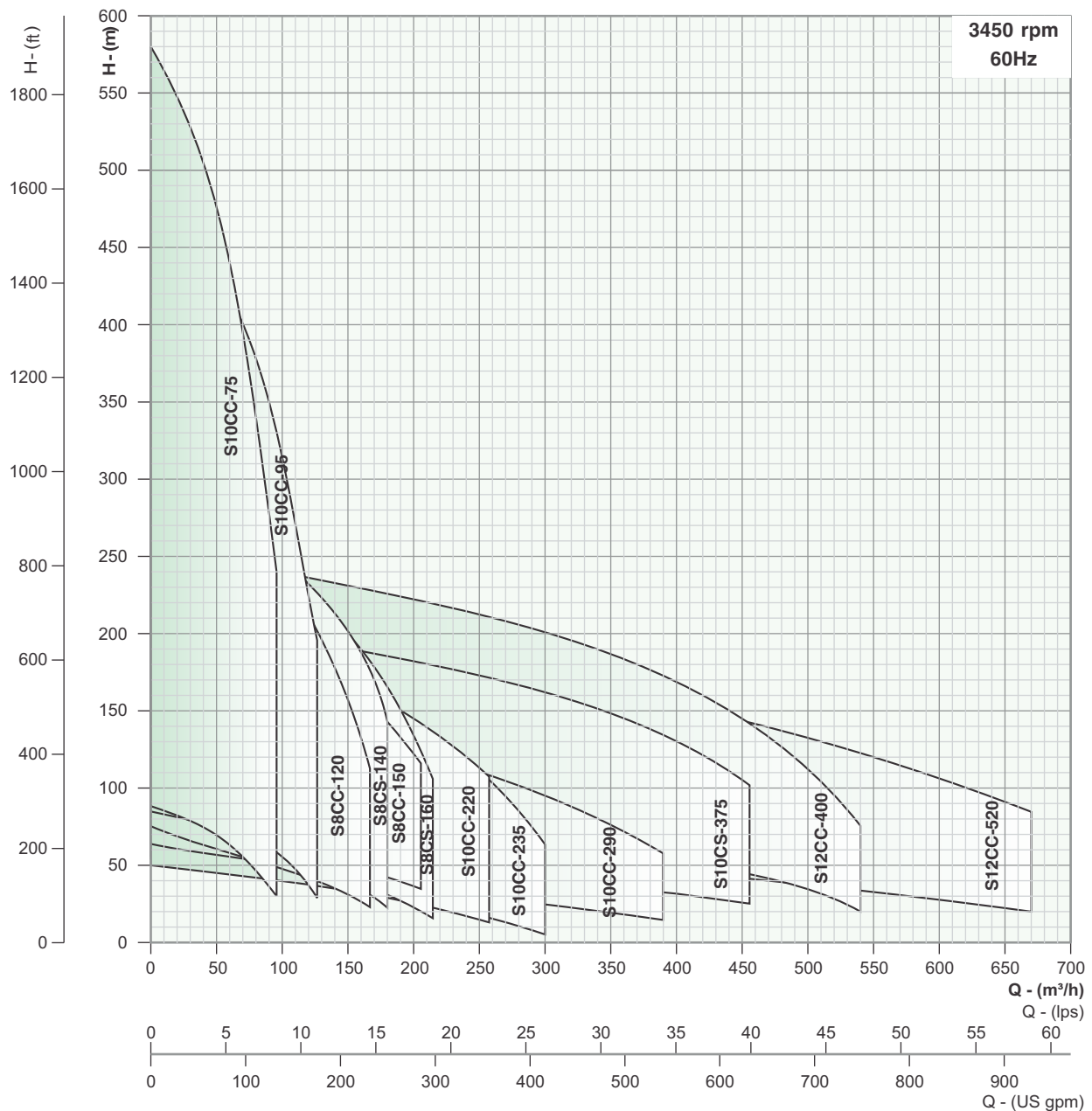
Performance Curve Conditions

The conditions below apply to the curves shown on the following pages.

- The Performance curves show pump performance at rated speed, voltage.
- The measurements were made with cold water (20°C) at atmospheric pressure (1bar). When pumping liquids with a density higher than that of water, motors with correspondingly higher outputs must be used.
- Pipe friction losses have not been included in the performance curves and performance tables.
- Q/H : The curves are inclusive of suction inter-connector losses at the actual speed.
- "Y- Curve" indicates the NRV loss to be considered while selecting pump.
- Efficiency curve: " η %" shows pump stage efficiency.
- Curve tolerance according to ISO : 9906, Grade 3B.
- The performances are at rated voltage and are only Indicative. Actual discharge depends on availability of water in well, based on strength of water source, height of water column, submergence of pump, etc.,.
- The given performances are for specific materials of construction of pump.
- The outlet size of the pumps are as per GAS/BSP standard.

EVERGREEN GRAND SERIES

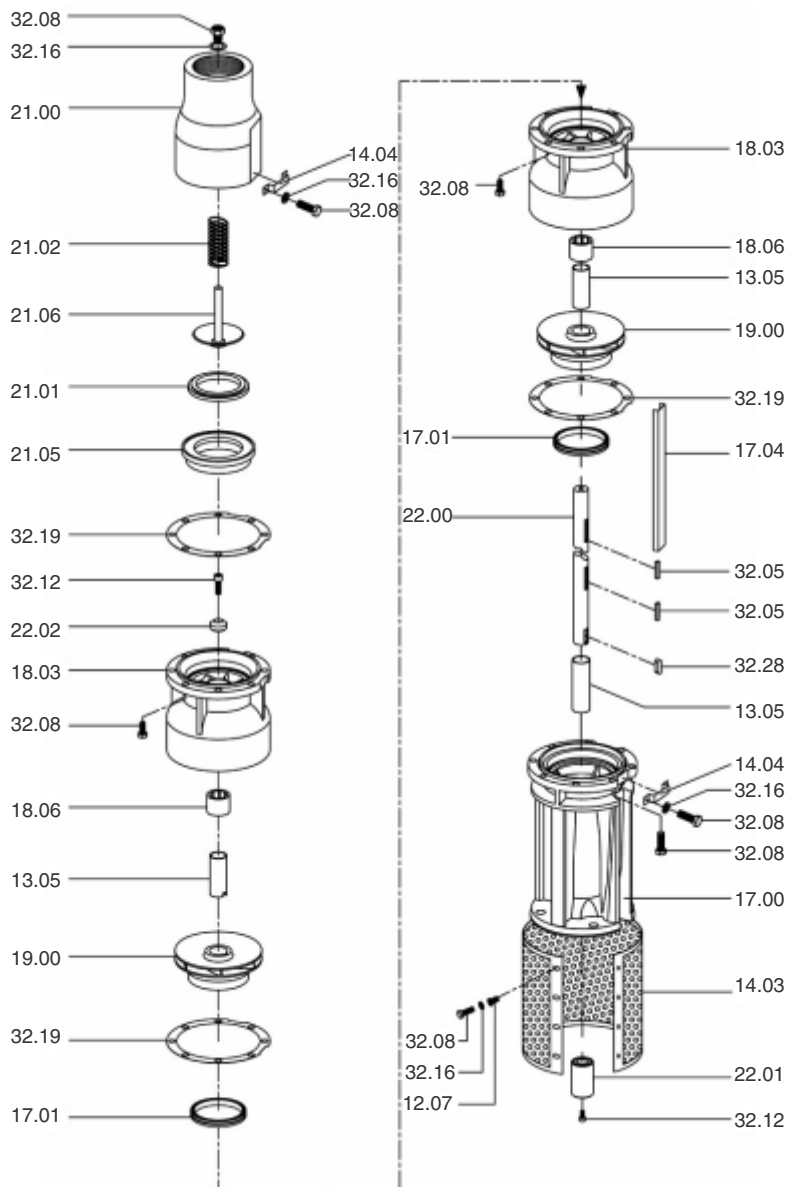
Group Performance Curves - 8" , 10" & 12"



GENERAL INFORMATION

Exploded View

S8CC / S8CS



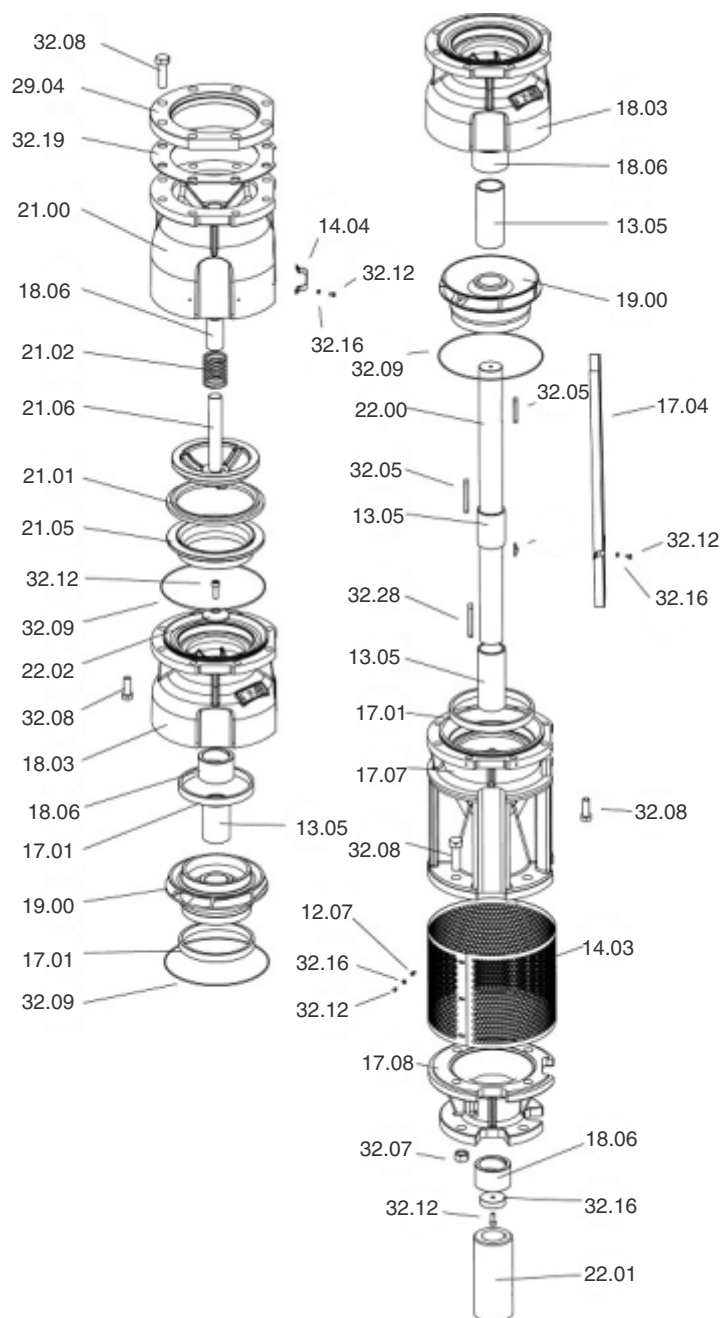
Part No.	Part Name
12.07	Guide bush
13.05	Sleeve
14.03	Inlet screen
14.04	Cable guard clamb
17.00	Suction inter connector
17.01	Wear ring
17.04	Cable guard
18.03	Diffuser chamber
18.06	Bush
19.00	Impeller
21.00	Check valve housing
21.01	Check valve seat
21.02	Check valve spring
21.05	Check valve bracket
21.06	Check valve disc
22.00	Pump shaft
22.01	Coupling
22.02	Lock cap
32.05	Impeller Key
32.08	Bolt
32.12	Screw
32.16	Washer
32.19	Gasket
32.28	Coupling key

Part No.	Part Name
13.05	Sleeve
14.03	Inlet screen
14.04	Cable guard clamb
17.00	Suction inter connector
17.01	Wear ring
17.04	Cable guard
18.03	Diffuser chamber
18.06	Bush
19.00	Impeller
21.00	Check valve housing
21.01	Check valve seat
21.02	Check valve spring
21.05	Check valve bracket
21.06	Check valve disc
22.00	Pump shaft
22.01	Coupling
22.02	Lock cap
29.04	Flange
32.05	Impeller Key
32.08	Bolt
32.12	Screw
32.16	Washer
32.19	Gasket
32.28	Coupling key

GENERAL INFORMATION

Exploded View

S12CC



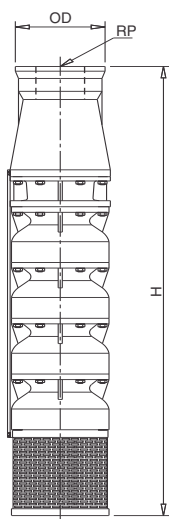
Part No.	Part Name
12.07	Guide Bush
13.05	Sleeve
14.03	Inlet screen
14.04	Cable guard clamb
17.01	Wear ring
17.04	Cable guard
17.07	Suction housing
17.08	Inter connector
18.03	Diffuser chamber
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21.02	Check valve spring
21.05	Check valve bracket
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22.01	Coupling
22.02	Lock cap
29.04	Flange
32.05	Impeller Key
32.07	Nut
32.08	Bolt
32.09	O - Ring
32.12	Screw
32.16	Washer
32.19	Gasket
32.28	Coupling key

EVERGREEN GRAND SERIES

Nominal Diameter : **8"**Nominal Flow : **120m³/h**Outlet Size : **5"**

Dimensions & Weight Table

DIMENSIONS



PUMP MODEL	Required Motor Power		Impeller Dia. in mm	H in mm	RP in Inch	OD Max. in mm	Weight in kg
	kW	HP					
S8CC-120 -2B(6)	18.5	25	142	687	5"	196	43
S8CC-120 -2A(6)	22	30	146	687	5"	196	43
S8CC-120-3B(6)	30	40	142	823	5"	196	54
S8CC-120-4B(6)	37	50	142	959	5"	198	65
S8CC-120-4AN	45	60	147.5	959	5"	198	65
S8CC-120-5AN	55	75	147.5	1095	5"	198	76
S8CC-120-6AN	66	90	147.5	1231	5"	200	87
S8CC-120-8B	75	100	142	1503	5"	200	110
S8CC-120-8	90	125	149	1503	5"	202	110
S8CC-120 -10AN	110	150	147.5	1775	5"	202	132

Performance Table

PUMP MODEL	HP	m ³ /h	0	48	72	96	108	120	126	132	138	144	150	156	168
		lps	0	13.3	20	26.7	30	33.3	35	36.7	38.3	40	41.7	43.3	46.6
S8CC-120 -2B(6)	25	HEAD METERS	74.5	60	54	48.5	45	41.5	39.5	37.5	35.5	33.5	31	28.5	23.5
S8CC-120 -2A(6)	30		79.5	65	59	54	51.5	48.5	46.5	44	41.5	39.5	37	34.5	29
S8CC-120-3B(6)	40		111	90	82	73.5	69.5	64	62	58	55	51.5	48	44	36
S8CC-120-4B(6)	50		138	115	105	94	87	81	78	74	70	65	60	54	41
S8CC-120-4AN	60		149	130	130	108	103	97	93	89	85	80	75	70	48
S8CC-120-5AN	75		186	160	148	136	129	120	116	112	107	101	95	88	56
S8CC-120-6AN	90		223	193	178	163	154	144	139	134	128	121	113	106	63
S8CC-120-8B	100		276	230	210	186	173	160	152	144	136	127	118	108	67
S8CC-120-8	125		304	251	227	204	190	175	167	158	149	139	128	116	98
S8CC-120 -10AN	150		371	305	278	250	233	213	203	193	182	170	156	140	112

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

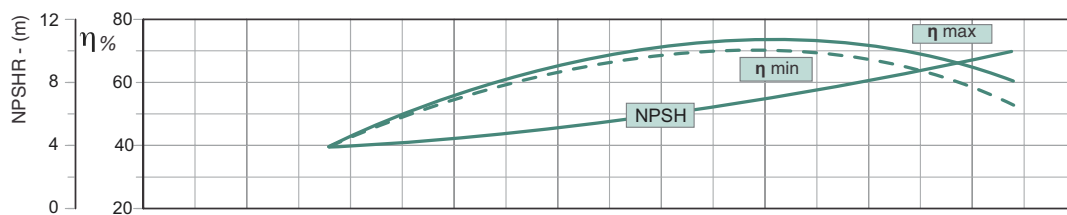
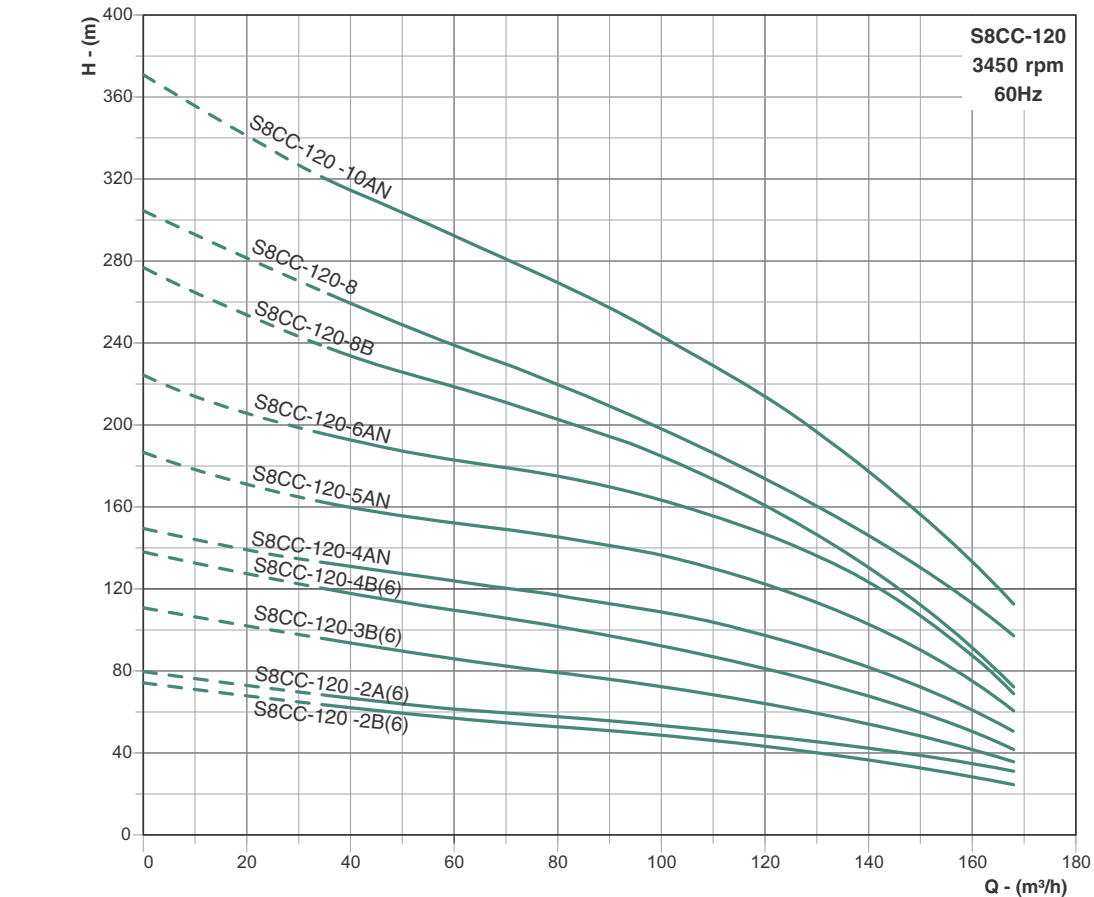
EVERGREEN GRAND SERIES

Nominal Diameter : **8"**

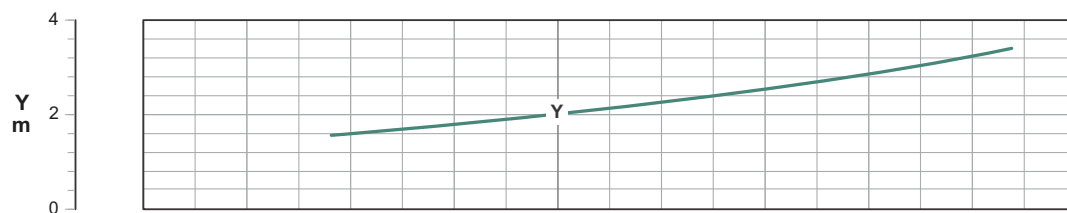
Nominal Flow : **120m³/h**

Outlet Size : **5"**

Performance Curves



NRV Head Loss

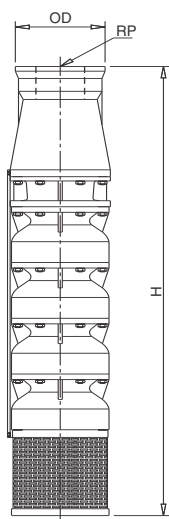


EVERGREEN GRAND SERIES

Nominal Diameter : **8"**Nominal Flow : **150m³/h**Outlet Size : **5"**

Dimensions & Weight Table

DIMENSIONS



PUMP MODEL	Required Motor Power		Impeller Dia. in mm	H in mm	RP in Inch	OD Max. in mm	Weight in kg
	kW	HP					
S8CC-150-2(6)	30	40	145.5	687	5"	196	41
S8CC-150-3C	45	60	144	823	5"	198	51
S8CC-150-4	66	90	145.5	959	5"	200	61
S8CC-150-5C	75	100	144	1095	5"	200	72
S8CC-150-6	90	125	145.5	1231	5"	202	82
S8CC-150-7	110	150	145.5	1367	5"	202	92

Performance Table

PUMP MODEL	HP	m ³ /h	0	60	90	120	132	144	156	162	168	174	180	192	204
		lps	0	16.7	25	33.3	36.7	40	43.3	45	46.6	48.3	50	53.3	56.6
S8CC-150-2(6)	40	HEAD METERS	78	66	61	56.5	54.5	52.5	50	48	47	45	43.5	40	33.5
S8CC-150-3C	60		108	95	88	80.5	78	75	71.5	69.5	67.5	65	62.5	56.5	50
S8CC-150-4	90		150	131	121	111	107	103	98	95.5	92.5	90	86	78	68.5
S8CC-150-5C	100		179	158	146	133	128	124	118	115	111	107	103	93	81
S8CC-150-6	125		226	195	180	165	158	151	143	139	134	129	124	113	90
S8CC-150-7	150		263	228	210	192	184	176	166	161	155	150	144	132	117

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

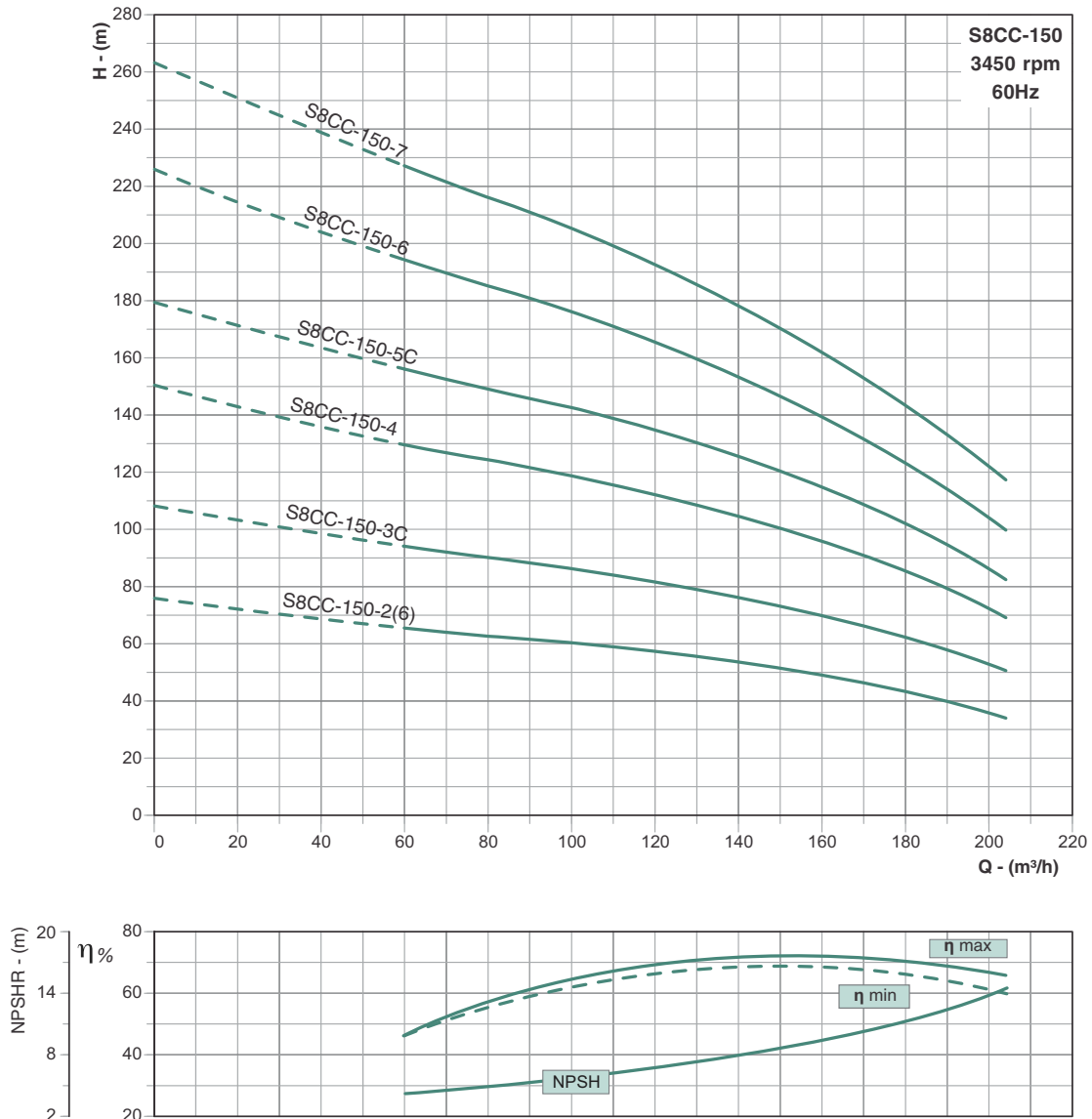
EVERGREEN GRAND SERIES

Nominal Diameter : **8"**

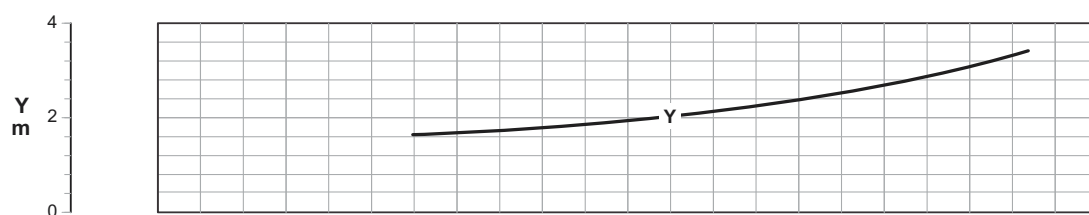
Nominal Flow : **150m³/h**

Outlet Size : **5"**

Performance Curves



NRV Head Loss

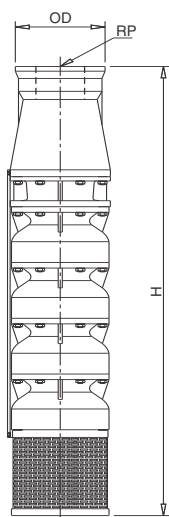


EVERGREEN GRAND SERIES

Nominal Diameter : **8"**Nominal Flow : **140m³/h**Outlet Size : **5"**

Dimensions & Weight Table

DIMENSIONS



PUMP MODEL	Required Motor Power		Impeller Dia. in mm	H in mm	RP in Inch	OD Max. in mm	Weight in kg
	kW	HP					
S8CS-140-2O(6)	20	30	136	729	5"	196	43
S8CS-140-2I(6)	22	30	140	729	5"	196	43
S8CS-140-3N(6)	30	40	137	886	5"	196	55
S8CS-140-3L(6)	33	50	139	886	5"	198	55
S8CS-140-3E(6)	37	50	144	886	5"	198	55
S8CS-140-3B	40	55	147	886	5"	198	55
S8CS-140-4L	45	60	139	886	5"	198	67
S8CS-140-4D	51.5	75	145	1043	5"	198	67
S8CS-140-4A	55	75	148	1043	5"	198	67
S8CS-140-5H	59	85	141	1200	5"	198	81
S8CS-140-5B	66	90	147	1200	5"	200	81
S8CS-140-6E	75	100	144	1357	5"	200	93
S8CS-140-7D	90	125	145	1514	5"	202	105
S8CS-140-8B	110	150	147	1671	5"	202	117

Performance Table

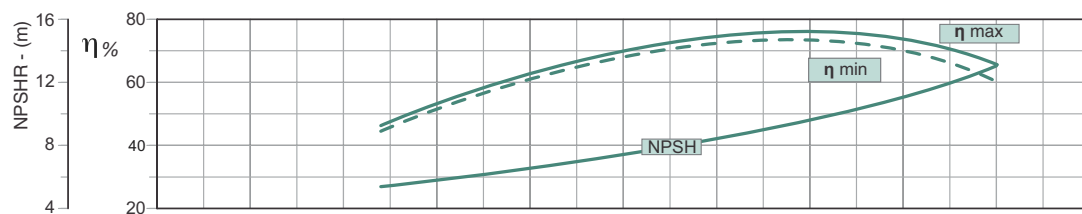
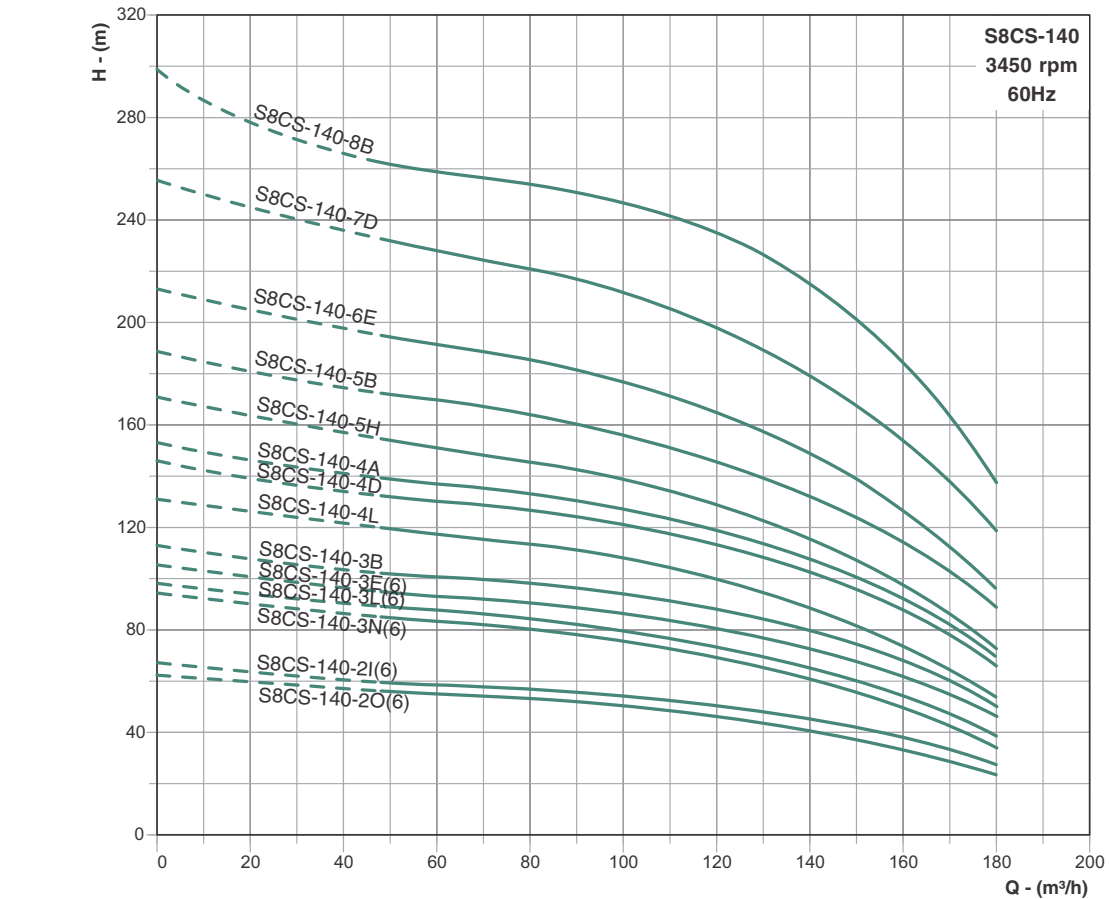
PUMP MODEL	HP	m ³ /h	0	48	72	84	96	108	120	132	144	156	168	180
		lps	0	13.3	20	23.3	29.7	30	33.3	36.7	40	43.3	46.7	50
S8CS-140-2O(6)	30	HEAD METERS	62.5	56.5	53.5	52.5	50.5	48	45.5	42.5	39	34.5	29	23
S8CS-140-2I(6)	30		67	60	57.5	56	54.5	52.5	50	47	43	38.5	33.5	27
S8CS-140-3N(6)	40		94.5	86	81.5	79.5	77	74	70	65	59	52	43.5	34.5
S8CS-140-3L(6)	50		98	89.5	85.5	83	80.5	77.5	74	69.5	63.5	56.5	48	39
S8CS-140-3E(6)	50		105.5	96	91.5	89	87	84.5	81.5	77	71	64	55.5	46
S8CS-140-3B	55		112.5	103.5	98.5	96.5	94.5	91.5	88.5	84	78	70.5	61	50
S8CS-140-4L	60		130.5	120.5	114.5	112	109	105	100	94	86	76.5	66	54
S8CS-140-4D	75		146	133.5	127.5	125	122	118	113.5	108	100	91	79	66
S8CS-140-4A	75		153	140	134	131.5	128	124	119	113.5	105	95.5	83	70
S8CS-140-5H	85		171	154.5	147.5	144.5	140.5	135.5	129.5	122	112	101	87.5	74
S8CS-140-5B	90		188.5	173	165.5	162	157.5	152.5	146.5	139	129	117	104	89
S8CS-140-6E	100		213.5	196	187.5	183.5	178.5	173	165.5	157	145	131	115	97
S8CS-140-7D	125		255.5	233.5	223.5	219	213.5	207	199	189	175	159	141	120
S8CS-140-8B	150		301.5	276.5	264.5	259	252.5	244	234.5	222.5	206	187.5	166.5	142

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

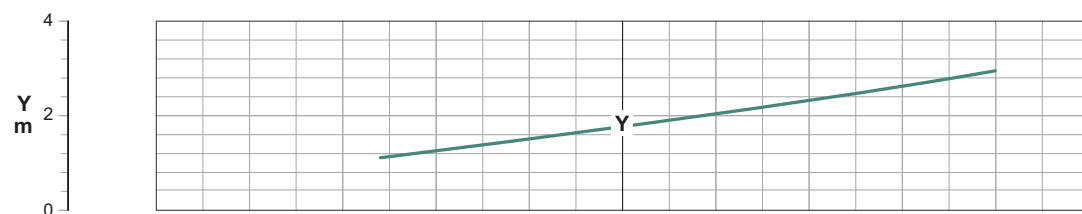
EVERGREEN GRAND SERIES

Nominal Diameter : **8"**Nominal Flow : **140m³/h**Outlet Size : **5"**

Performance Curves



NRV Head Loss

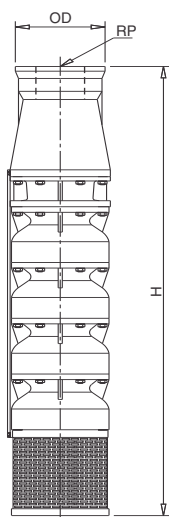


EVERGREEN GRAND SERIES

Nominal Diameter : **8"**Nominal Flow : **160m³/h**Outlet Size : **5"**

Dimensions & Weight Table

DIMENSIONS



PUMP MODEL	Required Motor Power		Impeller Dia. in mm	H in mm	RP in Inch	OD Max. in mm	Weight in kg
	kW	HP					
S8CS-160-2O(6)	22	30	138	729	5"	196	43
S8CS-160-2F(6)	26	35	144	729	5"	196	43
S8CS-160-2B(6)	30	40	148	729	5"	196	43
S8CS-160-3H(6)	37	50	142	886	5"	198	55
S8CS-160-3D	45	60	146	886	5"	198	55
S8CS-160-4I	51.5	75	141	1043	5"	198	67
S8CS-160-4F	55	75	144	1043	5"	198	67
S8CS-160-4D	59	85	146	1043	5"	198	67
S8CS-160-5H	66	90	142	1200	5"	200	81
S8CS-160-6I	75	100	141	1357	5"	200	93
S8CS-160-7G	90	125	143	1514	5"	202	105
S8CS-160-8F	110	150	144	1671	5"	202	117

Performance Table

PUMP MODEL	HP	m ³ /h	0	60	90	108	120	132	144	156	168	180	198	216
		lps	0	16.7	25	30	33.3	36.7	40	43.3	46.7	50	55	60
S8CS-160-2O(6)	30	HEAD METERS	66	57	52.5	49.5	47.5	45	42.5	39	35	31	23.5	16
S8CS-160-2F(6)	35		73.5	63	59	56.5	54.5	52.5	50	47.5	43.5	39.5	32.5	24.5
S8CS-160-2B(6)	40		79.5	68.5	64.5	62	60.5	58.5	56.5	54	50	46	38	28
S8CS-160-3H(6)	50		104.5	90	84	80	77	74	70	65.5	59.5	53	42	30
S8CS-160-3D	60		116	100.5	95	91.5	89	86	82.5	78.5	73	66.5	54.5	41.5
S8CS-160-4I	75		142.5	124	116.5	111.5	108	103.5	99	93	85.5	77	62	44.5
S8CS-160-4F	75		148.5	130	122	117	113.5	109.5	104.5	99	91.5	83	68.5	51
S8CS-160-4D	85		153	134	125.5	121	117	113	108.5	103	95.5	87	72	54.5
S8CS-160-5H	90		179.5	157	147	141	136.5	131	125	117.5	108	97.5	79	57.5
S8CS-160-6I	100		207.5	183	171	163	157.5	151	143.5	135	124	112	91	67.5
S8CS-160-7G	125		249	220.5	206	196.5	190	182.5	174	164	151.5	137.5	113.5	86
S8CS-160-8F	150		292	258.5	242	230.5	223	215.5	205.5	194.5	180	164	137	106

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

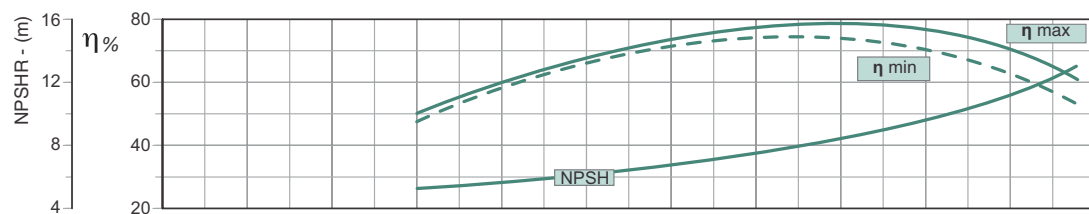
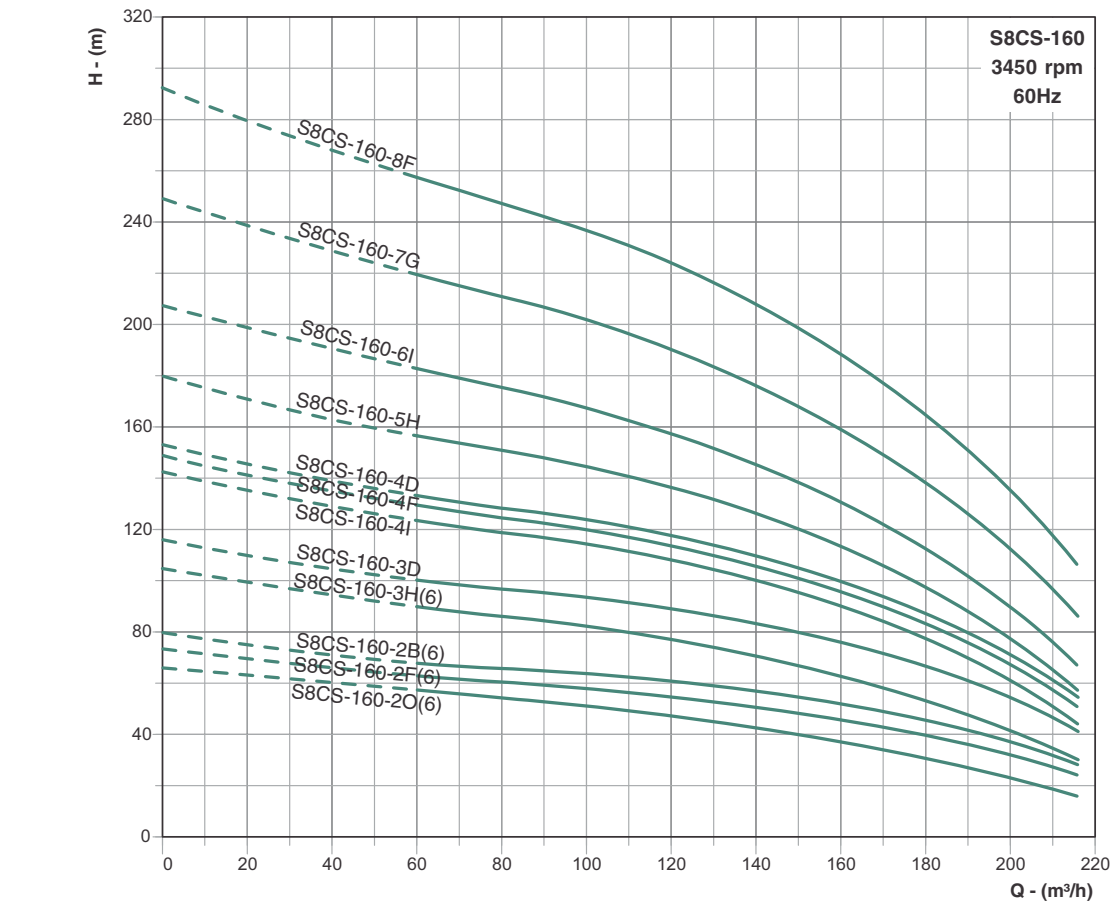
EVERGREEN GRAND SERIES

Nominal Diameter : **8"**

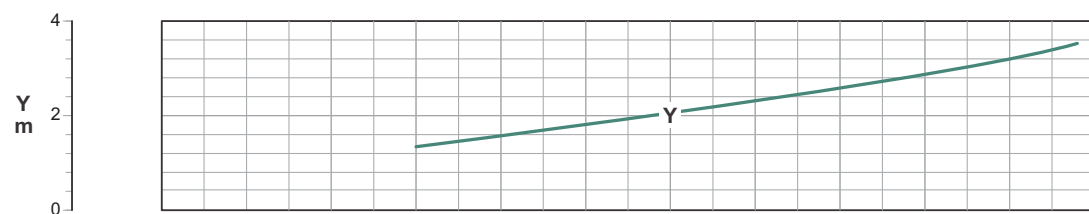
Nominal Flow : **160m³/h**

Outlet Size : **5"**

Performance Curves



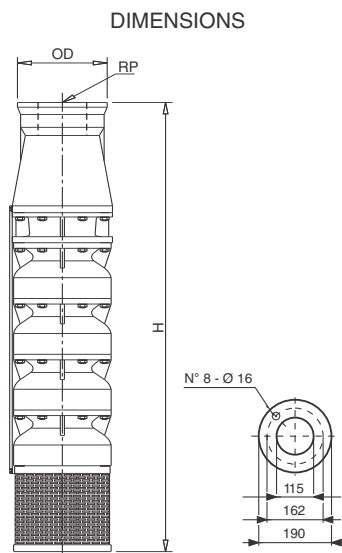
NRV Head Loss



EVERGREEN GRAND SERIES

Nominal Diameter : **10"**Nominal Flow : **75m³/h**Outlet Size : **4"**

Dimensions & Weight Table



PUMP MODEL	Required Motor Power		Impeller Dia. in mm	H in mm	RP in Inch	OD Max. in mm	Weight in kg
	kW	HP					
S10CC-75-2I(6)	15	20	160.5	871	4"	238	73
S10CC-75-2G(6)	18.5	25	172	871	4"	238	73
S10CC-75-3I(6)	22	30	160.5	945	4"	238	84
S10CC-75-3F(6)	30	40	174	945	4"	238	85
S10CC-75-4L(6)	37	50	170	1019	4"	241	95
S10CC-75-5M(8)	45	60	157	1093	4"	243	106
S10CC-75-6L(8)	55	75	158.5	1167	4"	243	117
S10CC-75-7G(8)	66	90	172	1241	4"	243	128
S10CC-75-7A(8)	75	100	177.5	1241	4"	249	128
S10CC-75-9A(8)	90	125	177.5	1389	4"	249	150
S10CC-75-11F(8)	110	150	174	1537	4"	249	172

Performance Table

PUMP MODEL	HP	m ³ /h	0	24	36	48	54	60	63	66	69	72	78	84	96
		lps	0	6.7	10	13.3	15	16.7	17.5	18.3	19.2	20	21.7	23.3	26.7
S10CC-75-2I(6)	20	HEAD METERS	88.5	82	78	73	69.5	66.5	64.5	62	59	56	50	44	29
S10CC-75-2G(6)	25		102	95	90.5	85	82	78	76	74	71.5	68.5	64	57	41.5
S10CC-75-3I(6)	30		135	126	119	111	104.5	98	95	91	87	83	74	64	42
S10CC-75-3F(6)	40		159	149	141	133	129	123	120	116	113	108	99.5	90	67
S10CC-75-4L(6)	50		202	189	180	170	163	157	153	148	143	138	126	114	81
S10CC-75-5M(8)	60		245	229	219	204	197	188	183	177	170	163	147	130	89.5
S10CC-75-6L(8)	75		303	281	268	251	242	232	226	220	212	204	189	169	118
S10CC-75-7G(8)	90		360	338	322	301	289	275	267	259	251	241	221	198	142
S10CC-75-7A(8)	100		384	359	342	323	313	300	293	285	278	270	251	229	177
S10CC-75-9A(8)	125		495	461	439	414	399	383	374	365	355	343	318	288	220
S10CC-75-11F(8)	150		580	542	516	484	465	443	431	418	404	390	360	327	241

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

** Outlet with weldable flange connection. On request adaptor with male / female threads (BSP / NPD) can be supplied at additional cost

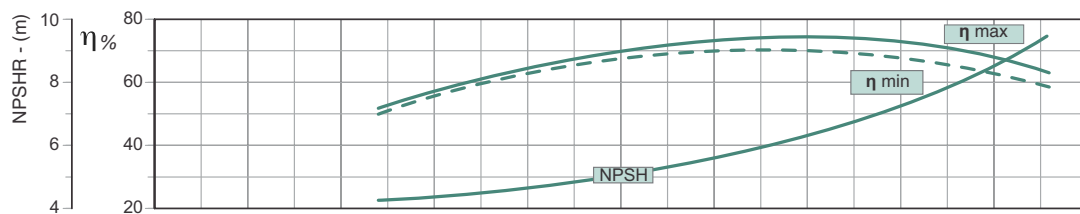
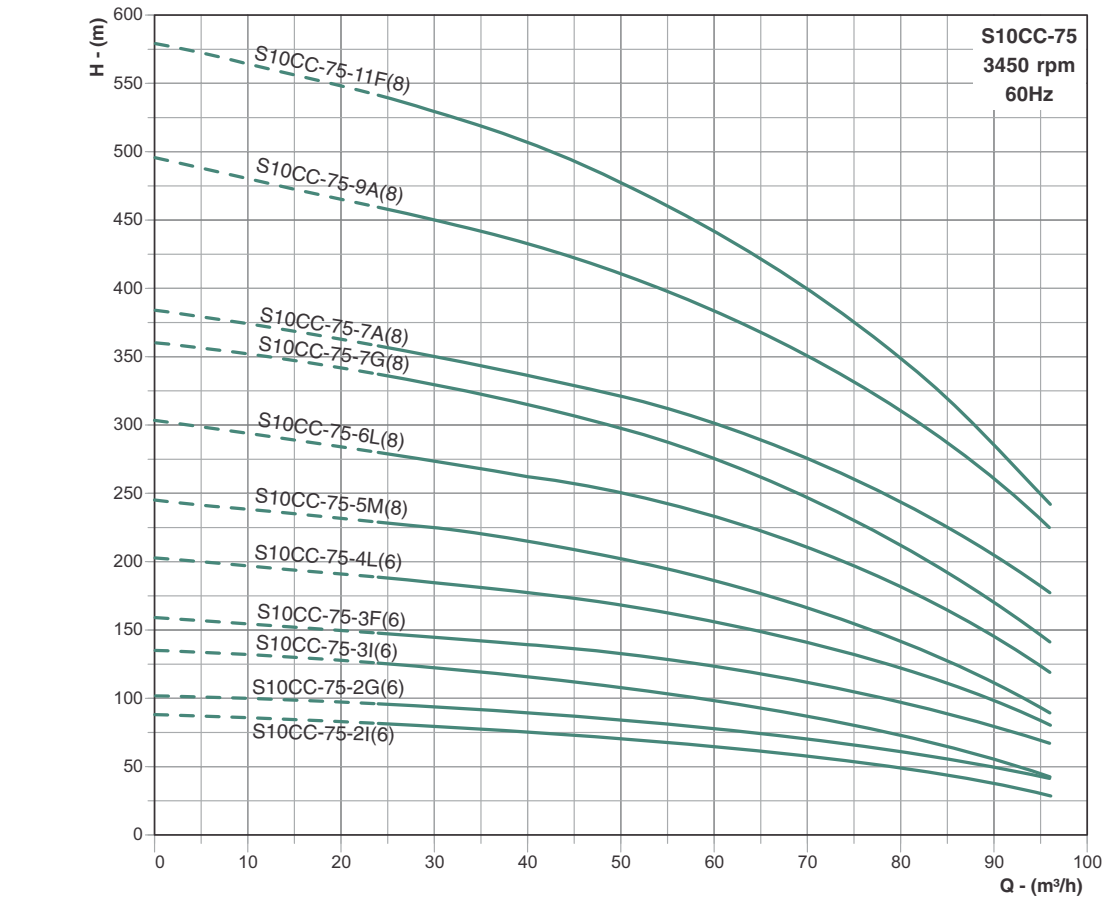
EVERGREEN GRAND SERIES

Nominal Diameter : **10"**

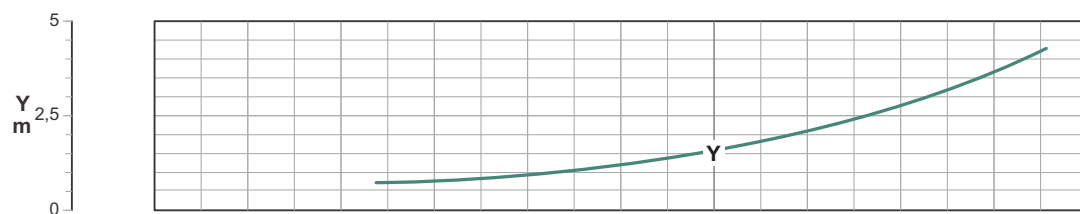
Nominal Flow : **75m³/h**

Outlet Size : **4"**

Performance Curves



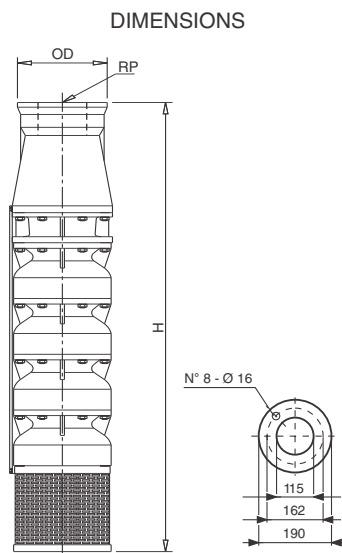
NRV Head Loss



EVERGREEN GRAND SERIES

Nominal Diameter : **10"**Nominal Flow : **95m³/h**Outlet Size : **4"**

Dimensions & Weight Table



PUMP MODEL	Required Motor Power		Impeller Dia. in mm	H in mm	RP in Inch	OD Max. in mm	Weight in kg
	kW	HP					
S10CC-95-2M(6)	18.5	25	157	871	4"	238	73
S10CC-95-2G(6)	22	30	164	871	4"	238	73
S10CC-95-2A(6)	26	35	171	871	4"	238	73
S10CC-95-3L(6)	30	40	158.5	945	4"	238	84
S10CC-95-3A(6)	37	50	171	945	4"	241	84
S10CC-95-4G(8)	45	60	164	1019	4"	243	95
S10CC-95-5G(8)	55	75	164	1093	4"	243	106
S10CC-95-6G(8)	66	90	164	1167	4"	243	117
S10CC-95-6A(8)	75	100	171	1167	4"	243	117
S10CC-95-8F(8)	90	125	165	1315	4"	249	139
S10CC-95-10G(8)	110	150	164	1463	4"	249	161

Performance Table

PUMP MODEL	HP	m ³ /h	0	30	45	60	72	78	84	90	96	102	108	114	126
		lps	0	8.3	12.5	16.7	20	21.7	23.3	25	26.7	28.3	30	31.7	35
S10CC-95-2M(6)	25	HEAD METERS	85	81	78	74.5	70	66.5	63	59.5	55.5	51	46.5	41	29
S10CC-95-2G(6)	30		93	88.5	86	82.5	78.5	76	72	68	64.5	60	55	50	38
S10CC-95-2A(6)	35		101	96.5	94	91	87	84	81	77	73	68.5	64.5	58.5	47
S10CC-95-3L(6)	40		125	123	120	114	107	102	97	91.5	85.5	79	72	65	49
S10CC-95-3A(6)	50		153	144	140	134	128	124	118	112	106	99	91	83.5	65
S10CC-95-4G(8)	60		192	181	176	169	160	153	146	137	129	120	111	101	78.5
S10CC-95-5G(8)	75		239	227	220	211	200	192	182	172	161	150	138	126	98
S10CC-95-6G(8)	90		287	272	263	253	239	229	218	206	193	180	165	150	117
S10CC-95-6A(8)	100		305	288	279	268	255	247	236	224	210	196	182	166	129
S10CC-95-8F(8)	125		388	368	357	343	324	311	296	279	261	244	225	205	160
S10CC-95-10G(8)	150		479	453	439	422	398	382	363	342	320	298	275	250	194

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

** Outlet with weldable flange connection. On request adaptor with male / female threads (BSP / NPD) can be supplied at additional cost

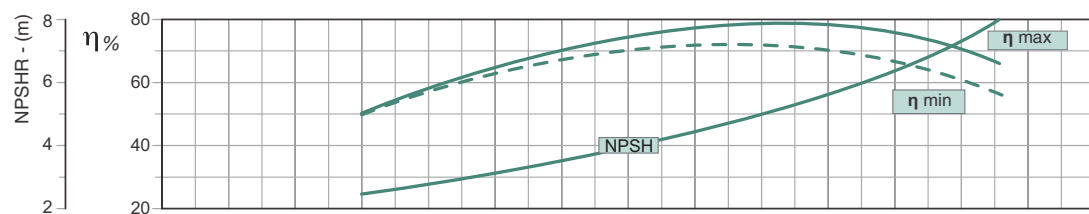
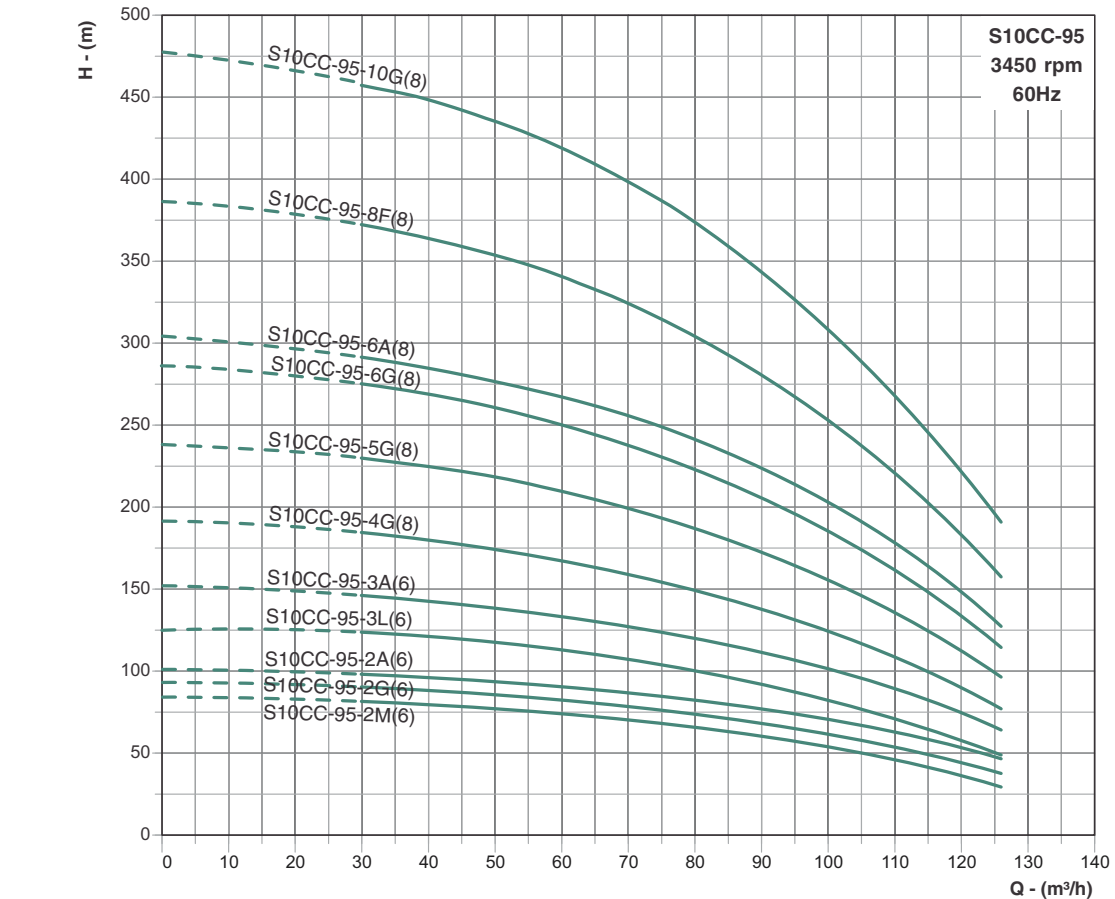
EVERGREEN GRAND SERIES

Nominal Diameter : **10"**

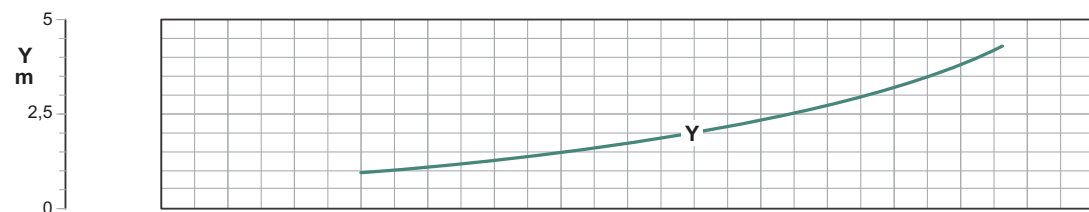
Nominal Flow : **95m³/h**

Outlet Size : **4"**

Performance Curves



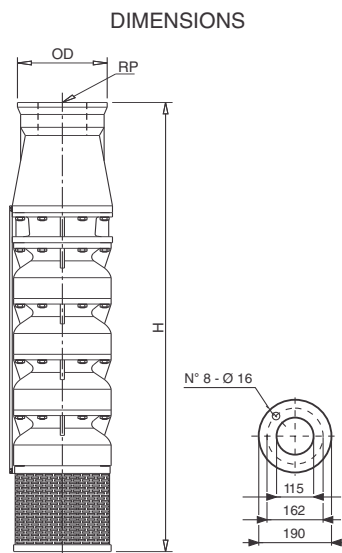
NRV Head Loss



EVERGREEN GRAND SERIES

Nominal Diameter : **10"**Nominal Flow : **220m³/h**Outlet Size : **6"**

Dimensions & Weight Table



PUMP MODEL	Required Motor Power		Impeller Dia. in mm	H in mm	RP in Inch	OD Max. in mm	Weight in kg
	kW	HP					
S10CC-220-1H(6)	22	30	166	687	6*	247	61
S10CC-220-1Y(6)	26	35	178	687	6*	247	61
S10CC-220-1X(6)	30	40	187	687	6*	247	66
S10CC-220-1C(6)	33	50	188	707	6*	249	66
S10CC-220-1W(6)	37	50	193	707	6*	249	87
S10CC-220-2L(8)	45	60	163	867	6*	249	87
S10CC-220-2G(8)	51.5	75	174	867	6*	249	87
S10CC-220-2F(8)	55	75	176	867	6*	249	87
S10CC-220-2E(8)	59	85	180	867	6*	249	87
S10CC-220-2B(8)	66	90	190	867	6*	249	87
S10CC-220-3L(8)	66	90	163	1047	6*	249	108
S10CC-220-3Z(8)	75	100	170	1047	6*	249	108
S10CC-220-3X(8)	90	125	187	1047	6*	249	108
S10CC-220-4F(8)	110	150	176	1311	6*	249	129

Performance Table

PUMP MODEL	HP	m³/h	0	60	108	132	150	168	180	192	204	216	228	240	258
		lps	0	16.7	30	36.7	41.7	46.7	50	53.3	56.7	60	63.3	66.7	71.7
S10CC-220-1H(6)	30	HEAD METERS	49	40.5	35.5	33.5	31.5	30	28.5	27.5	26	24	22	20	0
S10CC-220-1Y(6)	35		56.5	47	41.5	39.5	37.5	36	34.5	33	31.5	30	28	26	22.5
S10CC-220-1X(6)	40		61.5	51.5	46	43.5	41.5	40	38.5	37.5	36	34	32.5	30.5	27
S10CC-220-1C(6)	50		66.5	54.5	48.5	46	44.5	42.5	41.5	40	38.5	36.5	34.5	32	28
S10CC-220-1W(6)	50		71	58.5	52	49.5	47.5	46	44.5	43.5	42	40	38	35.5	32
S10CC-220-2L(8)	60		93.5	80.5	73.5	70.5	67.5	64.5	62.5	60	57.5	54	50		
S10CC-220-2G(8)	75		104	90.5	82.5	79.5	76.5	74	71.5	69.5	66.5	63.5	60	56	
S10CC-220-2F(8)	75		109	95	87	83.5	81	78	76	73.5	71	67.5	64	60.5	54
S10CC-220-2E(8)	85		114	99.5	91.5	88	85	82.5	80.5	78	75.5	72	68.5	65	58.5
S10CC-220-2B(8)	90		135	116	102	97	93.5	89.5	87	84.5	81.5	78	74.5	70.5	63.5
S10CC-220-3L(8)	90		140	121	110	106	102	97	94	90	86	81	75		
S10CC-220-3Z(8)	100		151	131	119	115	111	106	103	99.5	95	90.5	85	79	
S10CC-220-3X(8)	125		186	157	141	135	131	126	122	118	114	109	103	96	84.5
S10CC-220-4F(8)	150		218	190	174	167	162	156	152	147	142	136	129	121	108

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

** Outlet with weldable flange connection. On request adaptor with male / female threads (BSP / NPD) can be supplied at additional cost

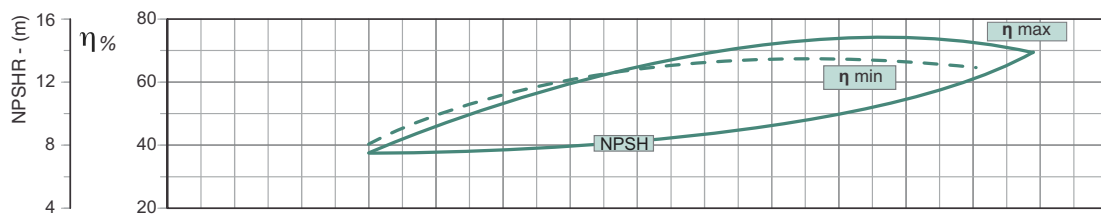
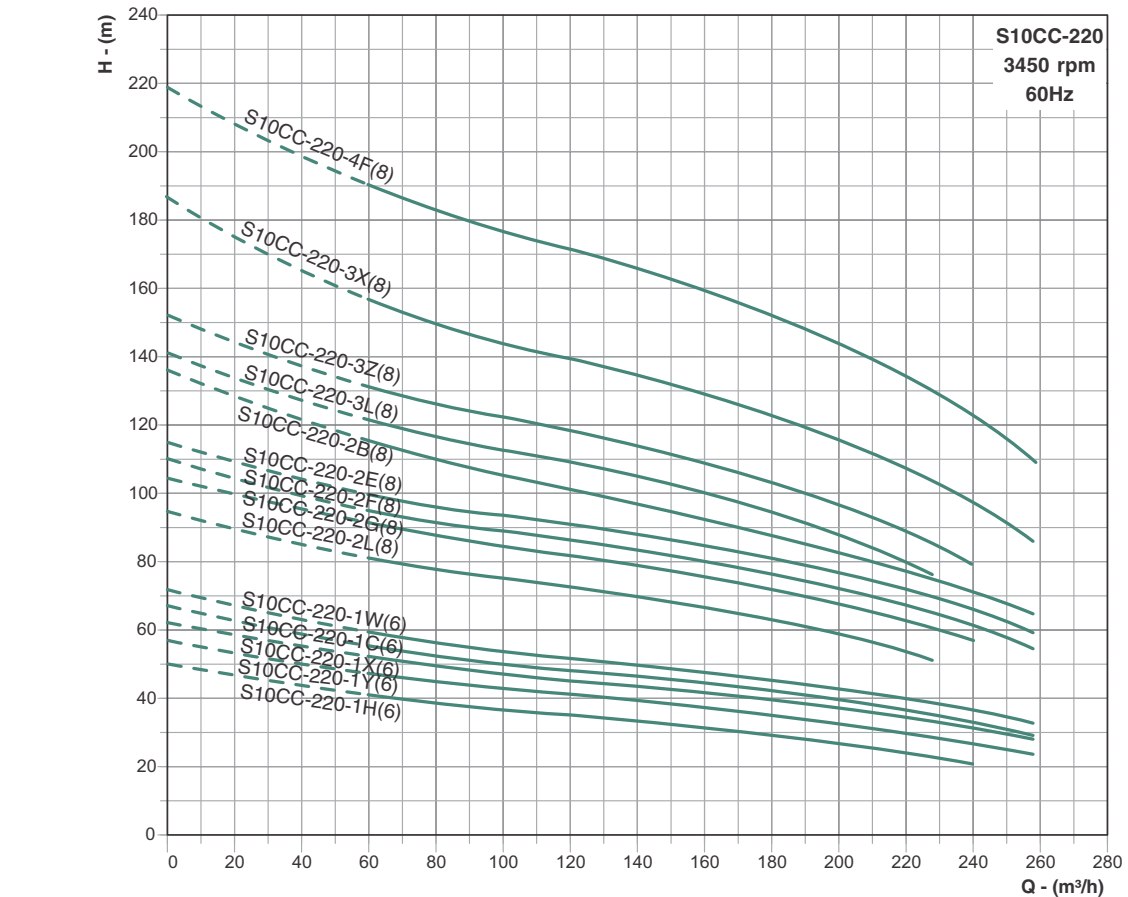
EVERGREEN GRAND SERIES

Nominal Diameter : **10"**

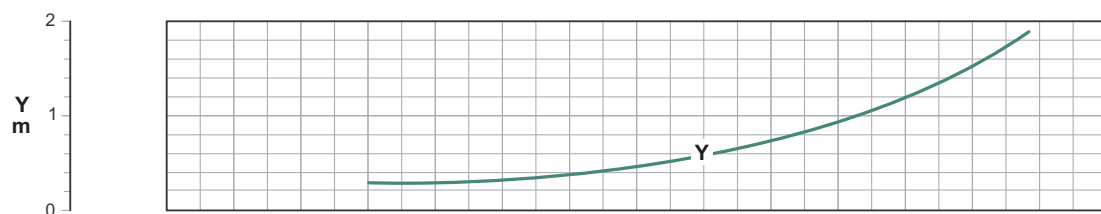
Nominal Flow : **220m³/h**

Outlet Size : **6"**

Performance Curves



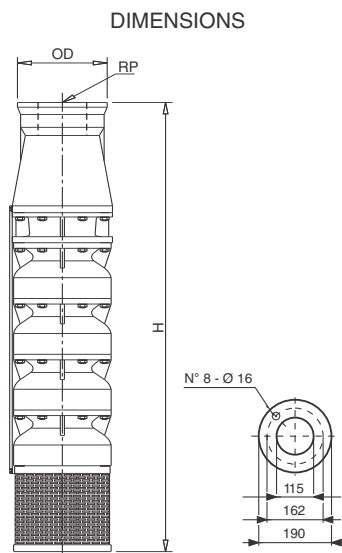
NRV Head Loss



EVERGREEN GRAND SERIES

Nominal Diameter : **10"**Nominal Flow : **235m³/h**Outlet Size : **6"**

Dimensions & Weight Table



PUMP MODEL	Required Motor Power		Impeller Dia. in mm	H in mm	RP in Inch	OD Max. in mm	Weight in kg
	kW	HP					
S10CC-235-1L(6)	22	30	168	687	6*	247	61
S10CC-235-1Z(6)	26	35	176	687	6*	247	61
S10CC-235-1X(6)	30	40	186	687	6*	247	61
S10CC-235-1X(6)	33	50	186	707	6*	249	66
S10CC-235-1B(6)	37	50	192	707	6*	249	66
S10CC-235-2L(8)	45	60	168	867	6*	249	87
S10CC-235-2I(8)	51.5	75	174	867	6*	249	87
S10CC-235-2H(8)	55	75	178	867	6*	249	87
S10CC-235-2F(8)	59	85	182	867	6*	249	87
S10CC-235-2W(8)	66	90	189	867	6*	249	87
S10CC-235-2A(8)	75	100	196	867	6*	249	87
S10CC-235-3Y(8)	90	125	183	1047	6*	249	108
S10CC-235-4H(8)	110	150	178	1311	6*	249	129

Performance Table

PUMP MODEL	HP	m ³ /h	0	72	120	144	168	186	204	216	228	240	258	276	300
		lps	0	20	33.3	40	46.7	51.7	56.7	60	63.3	66.7	71.7	76.7	83.3
S10CC-235-1L(6)	30	HEAD METERS	52.5	41	36.5	34.5	32	30.5	28	26.5	24.5	22.5	18.5		
S10CC-235-1Z(6)	35		58	45.5	40.5	38.5	36	34.5	32.5	30.5	29	27	23	19	
S10CC-235-1X(6)	40		64.5	51.5	46	43.5	41.5	39.5	37.5	36	34.5	3.5	28.5	24	17
S10CC-235-1X(6)	50		69.5	54.5	48	46	43.5	41.5	39.5	38	36.5	34.5	30.5	26.5	20
S10CC-235-1B(6)	50		74	58	52	49.5	47	45	43	41.5	40	38	34.5	30.5	24
S10CC-235-2L(8)	60		107	83.5	73.5	69.5	65	61	57	54	50.5	46.5	39.5		
S10CC-235-2I(8)	75		119	94	83	78.5	74	70.5	66.5	63.5	60	56	49.5	42	
S10CC-235-2H(8)	75		124	99	87.5	83	78.5	74.5	70.5	67.5	64.5	60.5	54	47	
S10CC-235-2F(8)	85		130	104	92.5	87.5	83	79	75	72	69	65	58.5	51.5	40.5
S10CC-235-2W(8)	90		140	113	101	95.5	90.5	87	83	80	77	73	67	60	49.5
S10CC-235-2A(8)	100		151	122	109	104	99	95	91	88.5	85	81.5	75.5	68.5	58.5
S10CC-235-3Y(8)	125		197	158	140	133	126	120	115	110	105	99.5	90	79	63
S10CC-235-4H(8)	150		248	198	176	166	157	150	142	136	129	121	108	93.5	

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

** Outlet with weldable flange connection. On request adaptor with male / female threads (BSP / NPD) can be supplied at additional cost

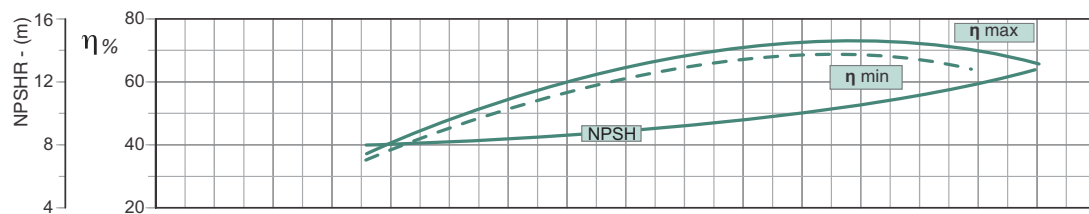
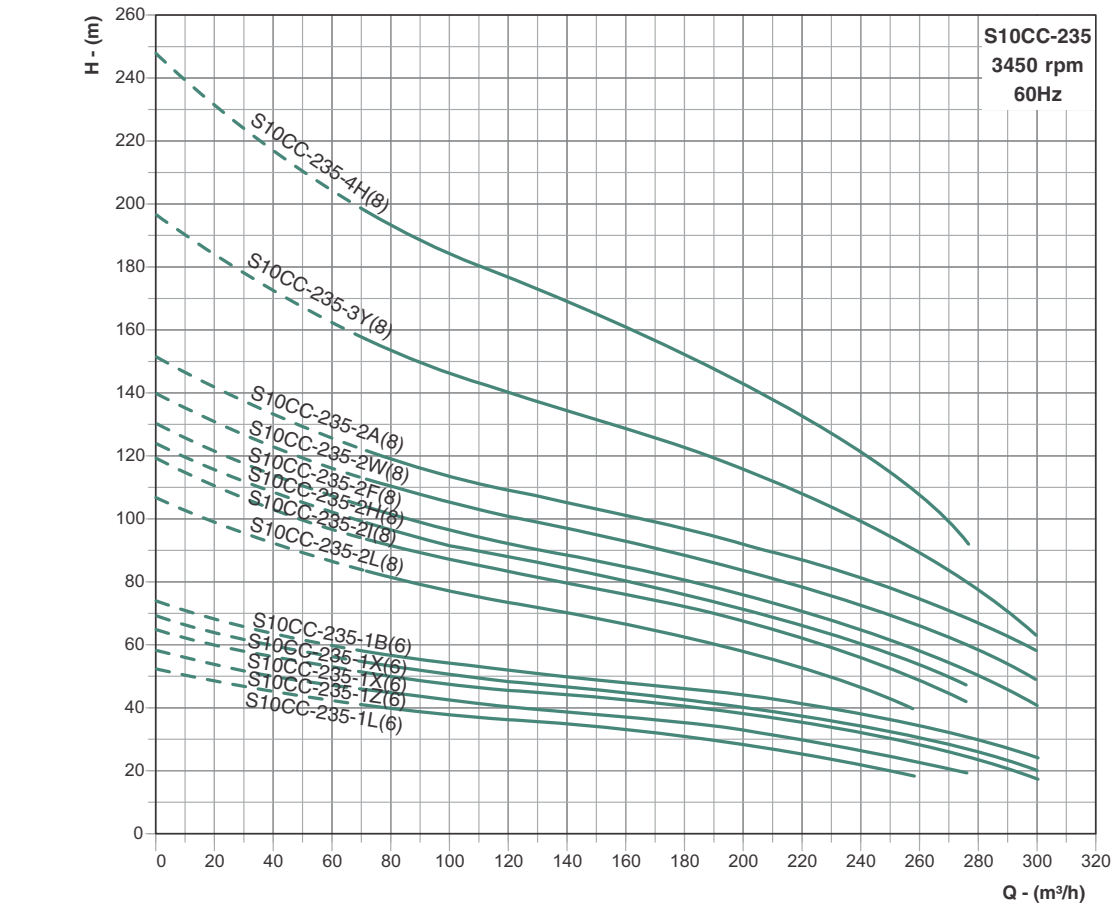
EVERGREEN GRAND SERIES

Nominal Diameter : **10"**

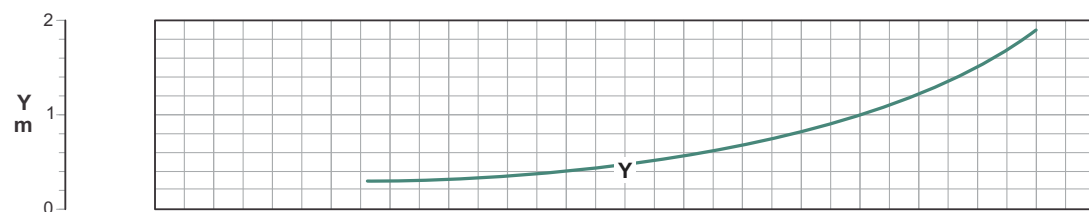
Nominal Flow : **235m³/h**

Outlet Size : **6"**

Performance Curves



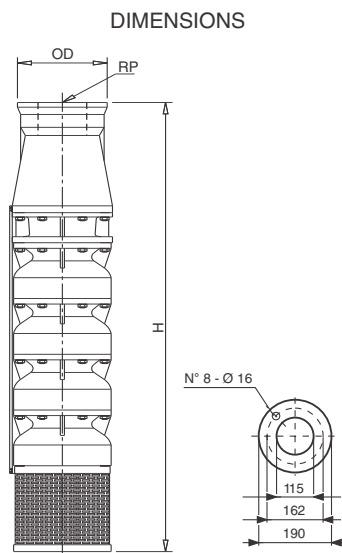
NRV Head Loss



EVERGREEN GRAND SERIES

Nominal Diameter : **10"**Nominal Flow : **290m³/h**Outlet Size : **6"**

Dimensions & Weight Table



PUMP MODEL	Required Motor Power		Impeller Dia. in mm	H in mm	RP in Inch	OD Max. in mm	Weight in kg
	kW	HP					
S10CC-290-1Z(6)	37	50	173.5	707	6*	249	66
S10CC-290-1M(8)	40	60	176	707	6*	249	66
S10CC-290-1H(8)	45	60	184	707	6*	249	66
S10CC-290-1D(8)	51.5	75	192	707	6*	249	66
S10CC-290-1A(8)	55	75	196	707	6*	249	66
S10CC-290-2P(8)	66	90	172	867	6*	249	87
S10CC-290-2IL(8)	75	100	180.5	867	6*	249	87
S10CC-290-2D(8)	90	125	192	867	6*	249	87
S10CC-290-3L(8)	110	150	179	1131	6*	249	108

Performance Table

PUMP MODEL	HP	m ³ /h	0	90	135	210	240	255	270	285	300	315	330	360	390
		lps	0	25	41.7	58.3	66.7	70.8	75	79.2	83.3	87.5	91.7	100	108.3
S10CC-290-1Z(6)	50	HEAD METERS	53.5	44	40.5	35	32.5	31.5	30	28.5	26.5	25	23	18.5	
S10CC-290-1M(8)	60		56	46.5	41.5	37	34.5	33.5	32	30.5	28.5	27	25	21	16
S10CC-290-1H(8)	60		60	50.5	45.5	40.5	38	36.5	35.5	34	32	30.5	28.5	24.5	19.5
S10CC-290-1D(8)	75		66.5	54.5	49	45	42.5	41.5	40	39	37	35.5	33.5	29.5	25
S10CC-290-1A(8)	75		69.5	57	51.5	47	45	43.5	42.5	41	39.5	37.5	36	32	27.5
S10CC-290-2P(8)	90		98.5	85.5	77.5	69	64.5	61.5	59	56	52.5	49	45.5	37.5	
S10CC-290-2IL(8)	100		109	94.5	86.5	78	73	70.5	67.5	64.5	61.5	58	54	46	37.5
S10CC-290-2D(8)	125		123	108	99.5	90.5	85.5	83	80	77	73.5	70	66.5	58.5	50
S10CC-290-3L(8)	150		165	144	132	118	111	107	103	98.5	93.5	88	82.5	71	58

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

** Outlet with weldable flange connection. On request adaptor with male / female threads (BSP / NPD) can be supplied at additional cost

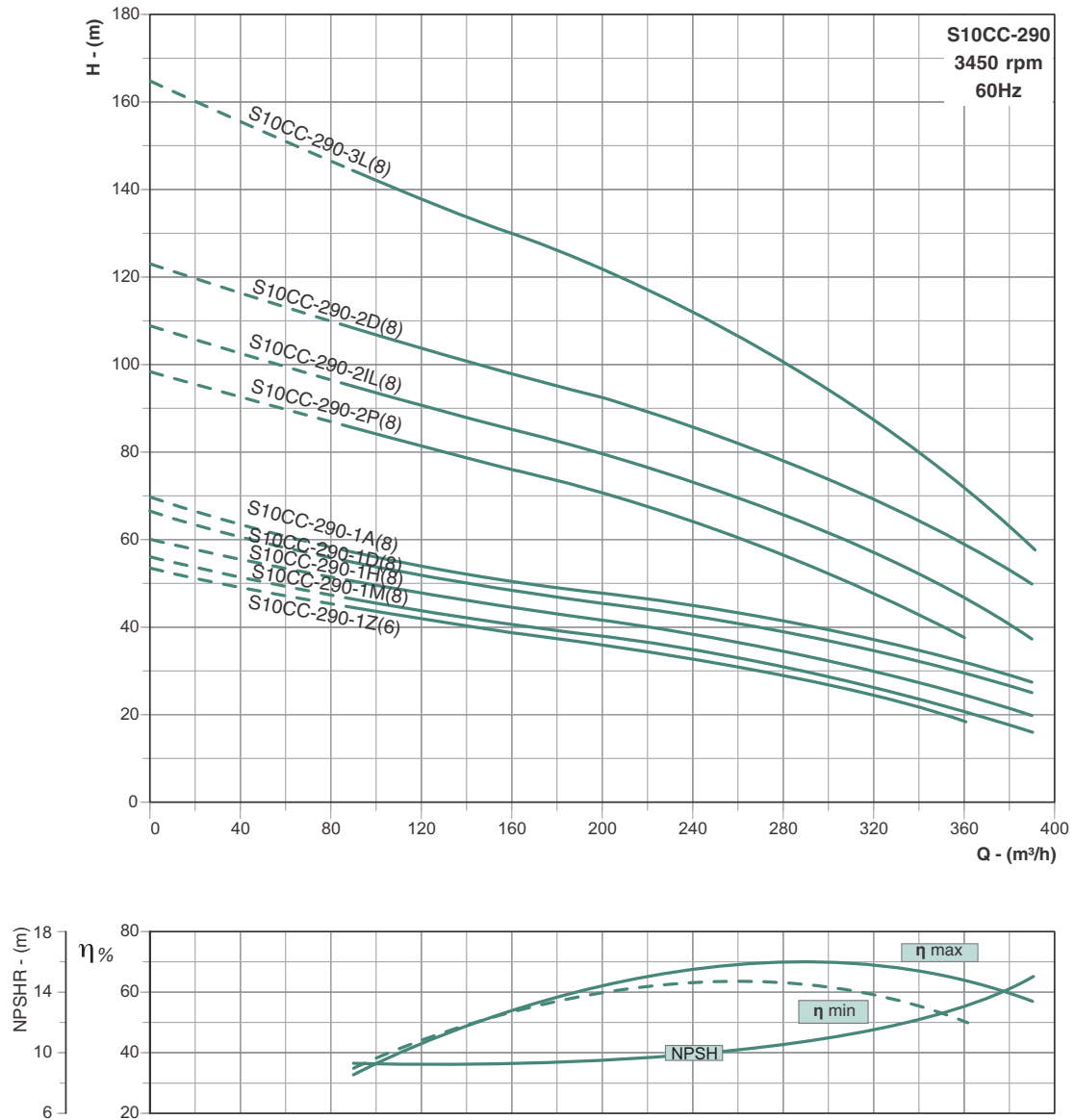
EVERGREEN GRAND SERIES

Nominal Diameter : **10"**

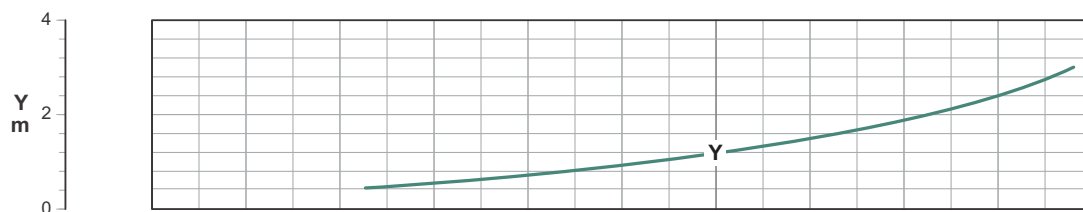
Nominal Flow : **290m³/h**

Outlet Size : **6"**

Performance Curves



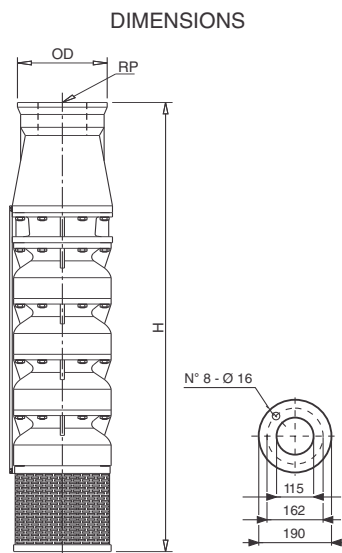
NRV Head Loss



EVERGREEN GRAND SERIES

Nominal Diameter : **10"**Nominal Flow : **375m³/h**Outlet Size : **6"**

Dimensions & Weight Table



PUMP MODEL	Required Motor Power		Impeller Dia. in mm	H in mm	RP in Inch	OD Max. in mm	Weight in kg
	kW	HP					
S10CS-375-1I(8)	51.5	75	176	703	6*	249	65.5
S10CS-375-1G(8)	55	75	178	703	6*	249	65.5
S10CS-375-1C(8)	59	85	182	703	6*	249	65.5
S10CS-375-2R(8)	75	100	168	898	6*	249	91
S10CS-375-2L(8)	90	125	175	898	6*	249	91
S10CS-375-2D(8)	110	150	181	898	6*	249	91
S10CS-375-3L	130	175	175	1177	6*	249	116
S10CS-375-3F	150	200	179	1177	6*	249	116
S10CS-375-4Q	170	230	173	1372	6*	249	160
S10CS-375-4I	185	250	176	1372	6*	249	160

Performance Table

PUMP MODEL	HP	m ³ /h	0	120	180	210	240	270	300	330	360	390	420	456
		lps	0	33.3	50	58.3	66.6	75	83.3	91.6	100	108.3	116.6	126.6
S10CS-375-1I(8)	75	HEAD METERS	57	48	45	43.5	42.5	41.5	40.5	39	37.5	35	31.5	26
S10CS-375-1G(8)	75		60	51	47.5	46.5	45.5	44.5	43.5	42.5	41	38.5	34.5	28
S10CS-375-1C(8)	85		62.5	53.5	50	48.5	47.5	47	46	45	43.5	41	37.5	32.5
S10CS-375-2R(8)	100		94	81	76.5	74.58	72	69.5	66.5	63	57.5	51.5	44.5	34.5
S10CS-375-2L(8)	125		105	92.5	87.5	85	83	80.5	78	75	70.5	64.5	57	45.5
S10CS-375-2D(8)	150		117	107	101.5	99	97	95	92.5	90	86.5	81	74.5	63.5
S10CS-375-3L	175		161	143.5	136.5	133	129	124	119.5	113.5	106.5	97.5	87	72.5
S10CS-375-3F	200		174.5	153.5	144.5	141	137.5	133.5	129.5	125	119	111	100.5	86
S10CS-375-4Q	230		209.5	187	177.5	172.5	167.5	161	154.5	146.5	137	125	111	91.5
S10CS-375-4I	250		216	192.5	183	178	173	168.5	162.5	156	146.5	135.5	121.5	101.5

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

** Outlet with weldable flange connection. On request adaptor with male / female threads (BSP / NPD) can be supplied at additional cost

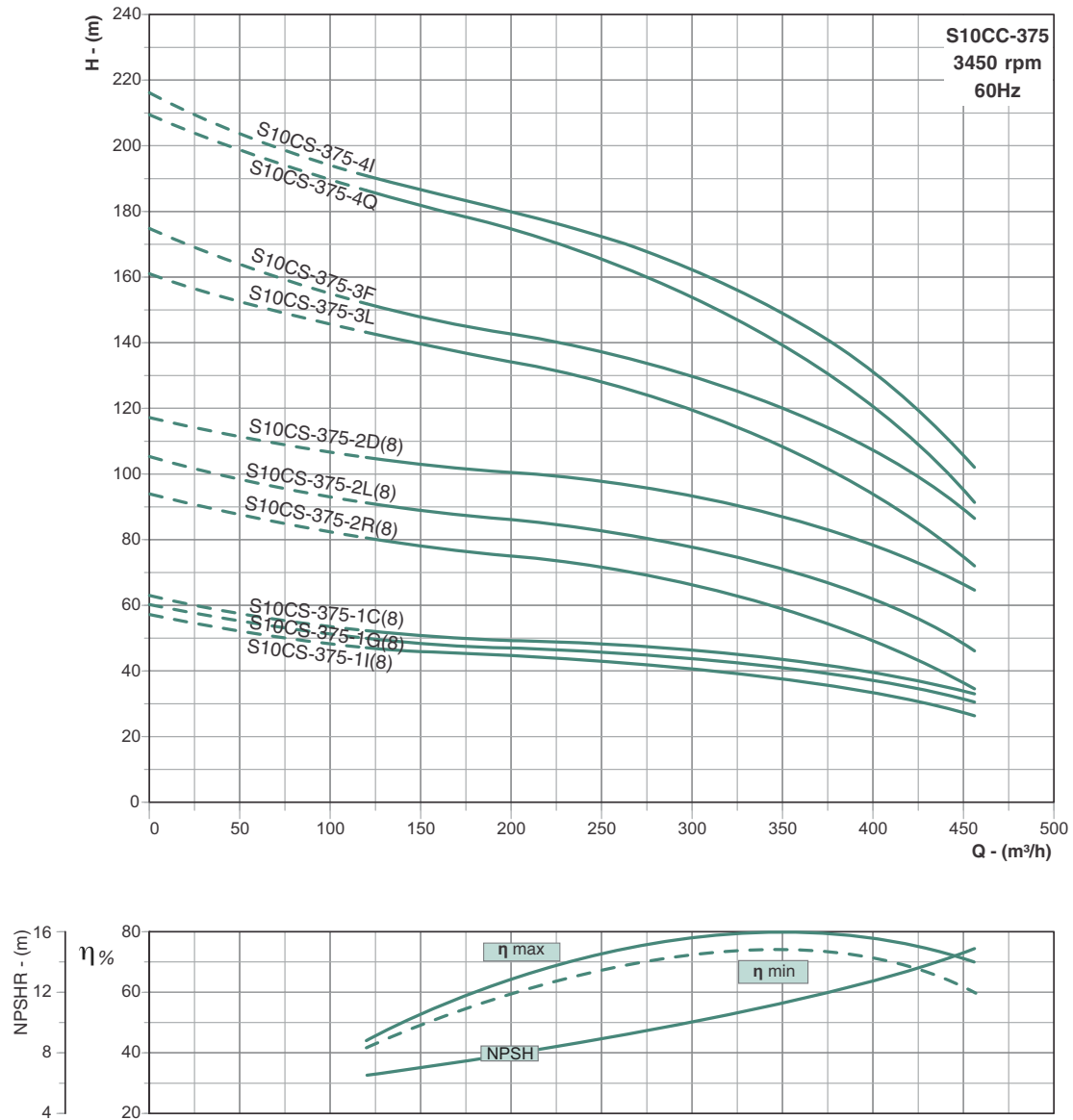
EVERGREEN GRAND SERIES

Nominal Diameter : **10"**

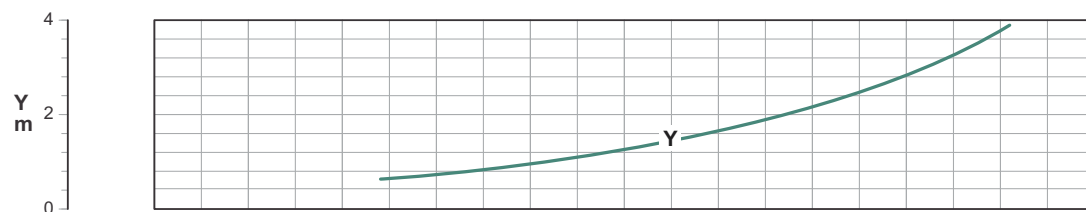
Nominal Flow : **375m³/h**

Outlet Size : **6"**

Performance Curves



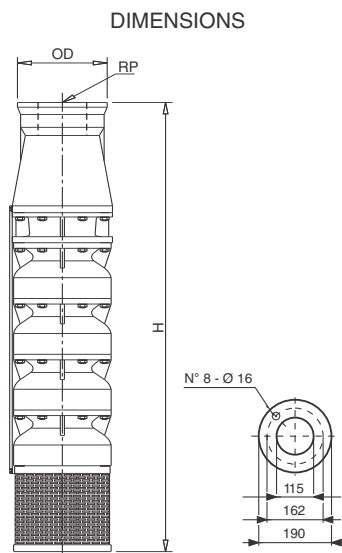
NRV Head Loss



EVERGREEN GRAND SERIES

Nominal Diameter : **12"**Nominal Flow : **400m³/h**Outlet Size : **7"**

Dimensions & Weight Table



PUMP MODEL	Required Motor Power		Impeller Dia. in mm	H in mm	RP in Inch	OD Max. in mm	Weight in kg
	kW	HP					
S12CC-400-1I(8)	75	100	203	899	7*	298	136
S12CC-400-1D(8)	92	125	214	899	7*	298	136
S12CC-400-1L(8)	110	150	222	924	7*	298	140
S12CC-400-2JS(10)	130	175	200	1124	7*	298	178
S12CC-400-2FS(10)	150	200	208	1124	7*	298	178
S12CC-400-2CS(10)	170	230	216	1124	7*	298	178
S12CC-400-2AS(10)	185	250	219.5	1124	7*	298	178
S12CC-400-3FS	220	300	208	1324	7*	298	217
S12CC-400-3CS	250	340	216	1324	7*	298	217

Performance Table

PUMP MODEL	HP	m ³ /h	0	210	240	270	300	330	360	390	420	450	480	510	540
		lps	0	58.3	66.6	75	83.3	91.6	100	108.3	116.6	125	133.3	141.6	150
S12CC-400-1I(8)	100	HEAD METERS	75.5	62.5	61	59	57.5	55	52.5	50	46	41.5	37	31.5	26
S12CC-400-1D(8)	125		88	73	71.5	70	68.5	67	65.5	63.5	60.5	56.5	52	46.5	39.5
S12CC-400-1L(8)	150		102	82	79.5	77.5	76	74	72	70	67	63.5	59.5	55	49
S12CC-400-2JS(10)	175		145.5	122.5	119	115.5	112	107	101	93.5	84	72	58	41.5	
S12CC-400-2FS(10)	200		161.5	134.5	130.5	126.5	123	118.5	113.5	107.5	99.5	90	77.5	61.5	
S12CC-400-2CS(10)	230		174.5	146	142.5	139	135.5	131	125.5	119	110.5	101	90	77.5	64.5
S12CC-400-2AS(10)	250		188.5	154	150	146	143	138.5	133.5	127.5	119.5	110	99.5	87.5	74
S12CC-400-3FS	300		241.5	201.5	195.5	189.5	183.5	176.5	168.5	159.5	147.5	131.5	110.5	84	
S12CC-400-3CS	340		258.5	216.5	211.5	206.5	200	192.5	185	174.5	161	145.5	128.5	106	76

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

** Outlet with weldable flange connection. On request adaptor with male / female threads (BSP / NPD) can be supplied at additional cost

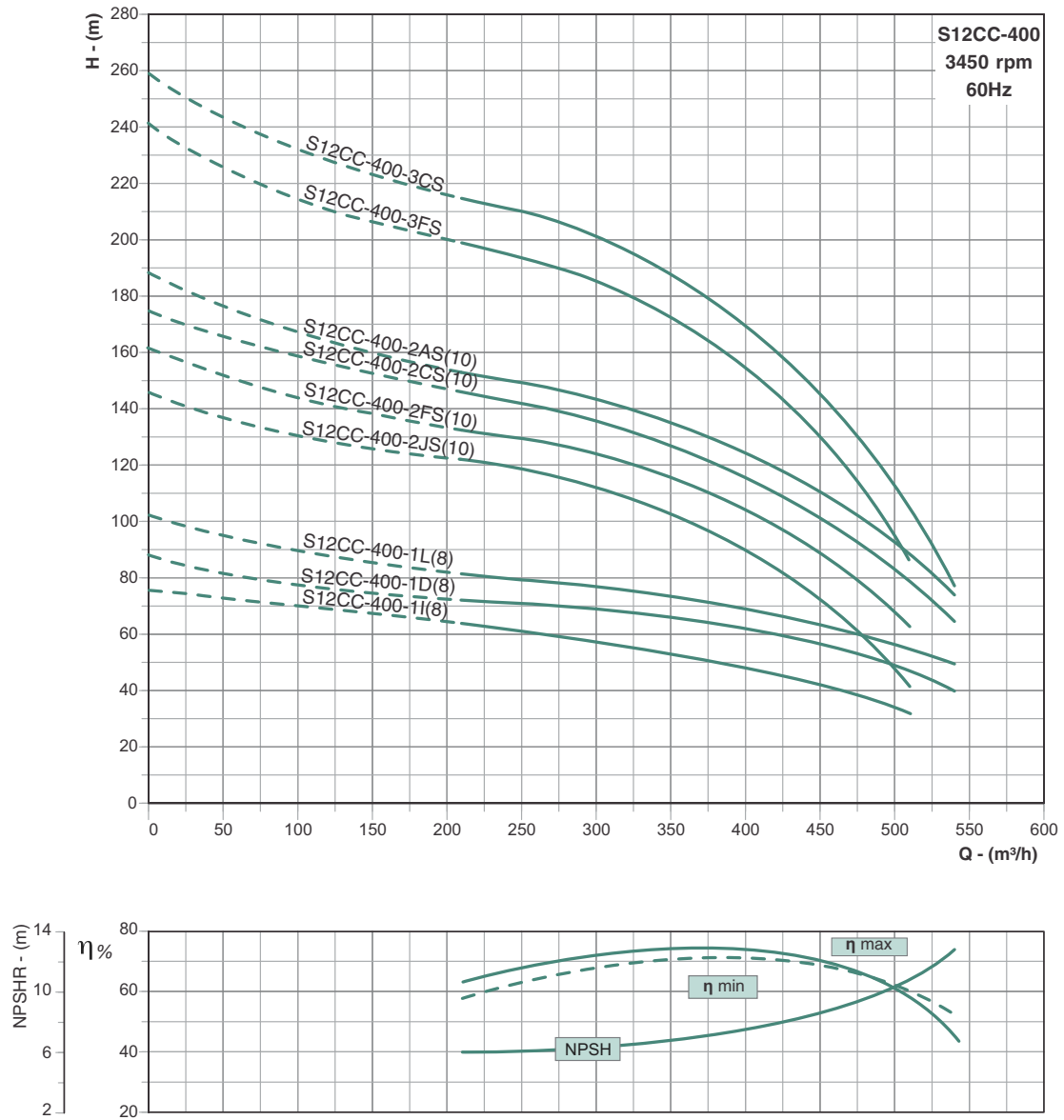
EVERGREEN GRAND SERIES

Nominal Diameter : **12"**

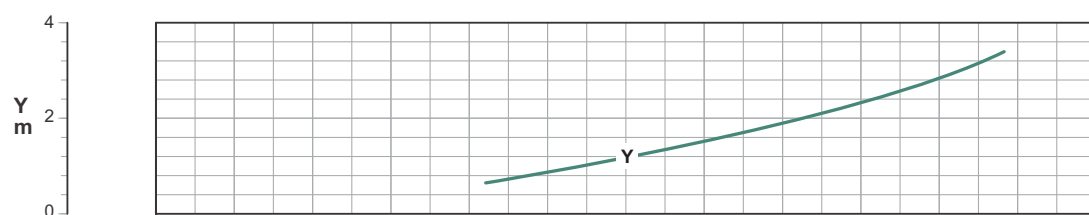
Nominal Flow : **400m³/h**

Outlet Size : **7"**

Performance Curves



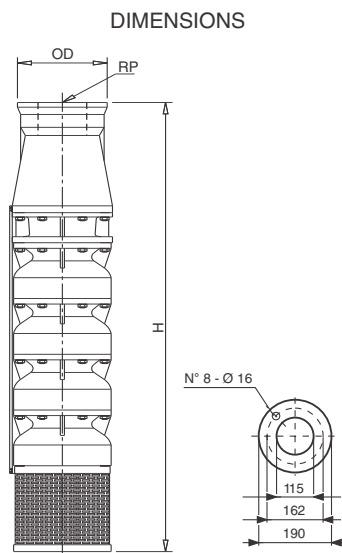
NRV Head Loss



EVERGREEN GRAND SERIES

Nominal Diameter : **12"**Nominal Flow : **520m³/h**Outlet Size : **7"**

Dimensions & Weight Table



PUMP MODEL	Required Motor Power		Impeller Dia. in mm	H in mm	RP in Inch	OD Max. in mm	Weight in kg
	kW	HP					
S12CC-520-1F(8)	75	100	202	899	7*	298	134
S12CC-520-1A(8)	92	125	212	899	7*	298	134
S12CC-520-2GS(10)	150	200	200	1124	7*	298	174
S12CC-520-2DS(10)	170	230	205	1124	7*	298	174
S12CC-520-2BS(10)	185	250	209	1124	7*	298	174
S12CC-520-3GS2	220	300	200	1324	7*	298	211
S12CC-520-3FS	250	340	202	1324	7*	298	211

Performance Table

PUMP MODEL	HP	m ³ /h	0	240	300	360	390	420	450	480	510	540	570	600	660
		lps	0	66.6	83.3	100	108.3	116.6	125	133.3	141.6	150	158	166.6	183.3
S12CC-520-1F(8)	100	HEAD METERS	74	57	53	49.5	47.5	45	43	40.5	37.5	34.5	31	27.5	19.5
S12CC-520-1A(8)	125		83	63.5	59.5	56	54.5	53	51	49.5	47	44	40.5	37	27.5
S12CC-520-2GS(10)	200		141.5	110.5	105	99	95.5	92	88.5	84	79	73	66.5	60	44.5
S12CC-520-2DS(10)	230		154	120	114	108	105	101.5	98	94.5	89	83.5	77.5	70.5	54.5
S12CC-520-2BS(10)	250		164.5	128.5	122	115.5	113	110	106.5	103	98	93	86.5	80	63
S12CC-520-3GS2	300		200.5	161	151	140.5	135.5	131	126	120	112.5	104.5	95.5	83.5	
S12CC-520-3FS	340		219	175.5	165.5	156	151.5	147	141.5	136	130	122	113.5	104.5	83.5

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

** Outlet with weldable flange connection. On request adopter with male / female threads (BSP / NPD) can be supplied at additional cost

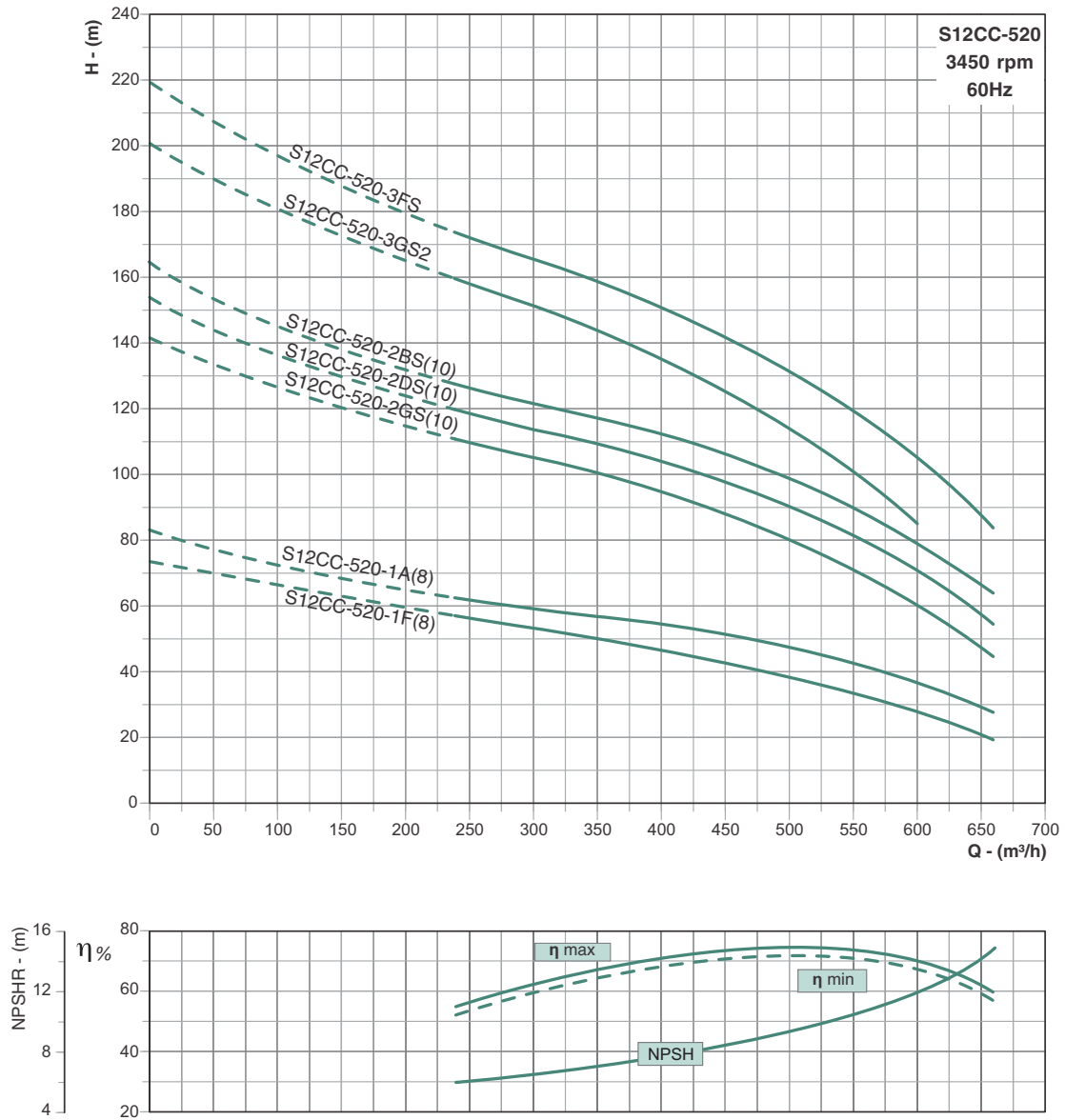
EVERGREEN GRAND SERIES

Nominal Diameter : **12"**

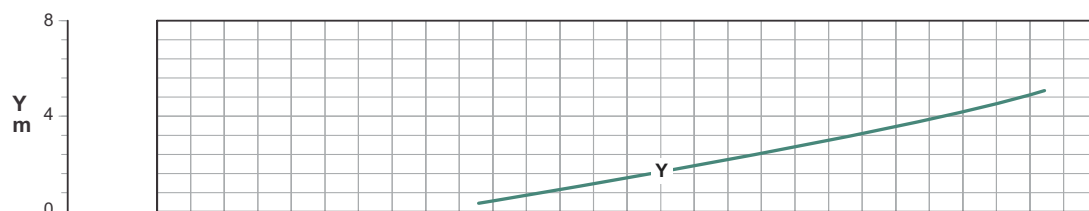
Nominal Flow : **520m³/h**

Outlet Size : **7"**

Performance Curves



NRV Head Loss





STAINLESS STEEL GRAND SERIES

STAINLESS STEEL GRAND SERIES

DEEPWELL SUBMERSIBLE PUMPS STAINLESS STEEL - GRAND SERIES

C.R.I. Always equips itself in advance to face the exponentially growing technological challenges across the industry and to gain high level of customer satisfaction.

C.R.I. Introduced wide range of Stainless Steel-Grand Series Submersible Pumps to satisfy the increasing demand of both high flow and high head applications. These pumps are designed and developed using advanced technologies and integrated quality control programs backed by 50 years of profound experience which ensure low life cycle cost. These pumps are manufactured with highest levels of standardization and efficiency of use.

This Stainless Steel Grand series pumps are available in 8", 10", 12" & 14" Nominal Diameters with a maximum flow upto 840 m³/h and maximum head upto 414 meters. These pumps are offered with complete Stainless steel construction to suit customers specific applications and aggressive water handling.

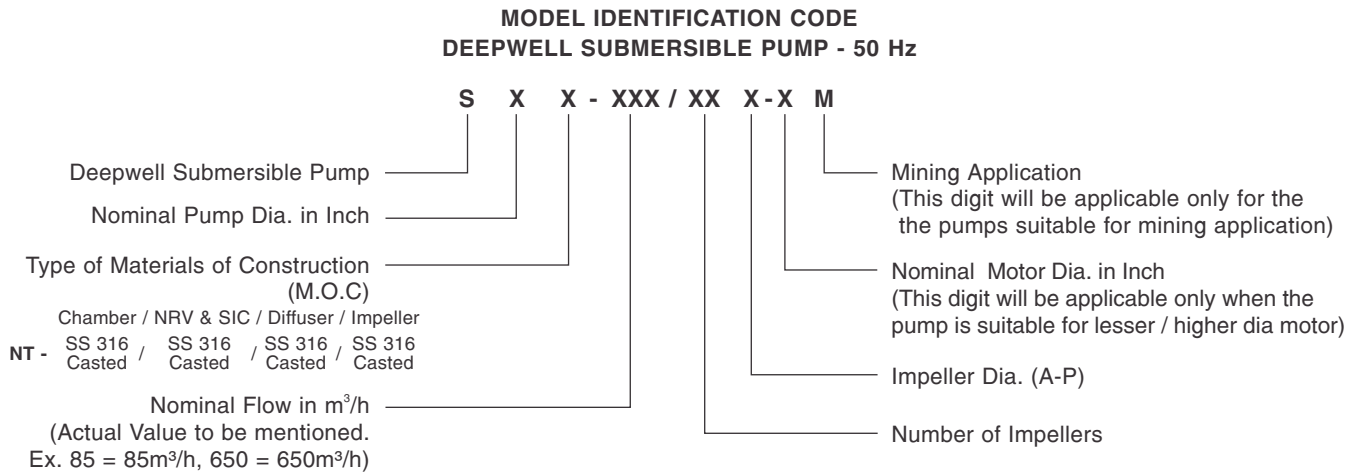
Features : | Best operating efficiency | Precise parts made up of SS 316 | Extremely hardwearing water lubricated bearings | Highly durable & hygienic | Can be easily dismantled and repaired | Can handle more upthrust loads | Good resistance to sand and salt.

Applications : | Irrigation | Civil Water Supply | Industrial & Rural Water Supply | Fire Fighting | Pressure Boosting Units | Sprinkler Systems | Mining | Oil & gas | De-watering | Food processing industries | Golf course | De-salination.



GENERAL INFORMATION

Model Identification Code



Pumped liquids

Clean, thin, non-aggressive, non explosive, clear, cold, fresh water without abrasives, solid particles or fibre having the following characteristics.

a)	Temperature	30°C (max.)
b)	Permissible amount of sand	70g/m ³ (max.)
c)	Chlorides	675 ppm (max.)
d)	Allowable solids	3000 ppm (max.)
e)	Specific gravity	1.004 (max.)
f)	Hardness (Drinking water)	300 (max.)
g)	Viscosity	1mm ² /sec
h)	Turbidity	50 ppm silica scale(max.)
i)	pH	6 to 10

Maximum Temperature of Pumped Liquid

Motor	Minimum cooling flow along the motor	Vertical installation	Horizontal installation minimum 30° angle
8"-14"	0.16 m/s	30°C	30°C

Maximum operating pressure	
8" Submersible pump	4.7Mpa (47 bar)
10" Submersible pump	4.9Mpa (49 bar)
12" Submersible pump	3.2Mpa (32 bar)
14" Submersible pump	2.0Mpa (20 bar)

Pump Operating Limitations					
Nominal diameter		8"(150mm)	10"(250mm)	12"(300mm)	14"(350mm)
Power Range in HP		12.5 - 150	30 - 250	100 - 340	150 - 400
Speed in rpm		3450	3450	3450	3450
Max. Discharge	m³/h	252	390	660	840
	lps	69	108	183	233
Max. Head	m	404	414	259	175
	ft	1325	1358	850	574
Outlet Size (BSP)		5"	6"	7"	9"

STAINLESS STEEL GRAND SERIES

Materials of Construction

PART NAME	PART No.	NOMINAL DIA . 8"	NOMINAL DIA . 10"	NOMINAL DIA . 12"	NOMINAL DIA . 14"
CHECK VALVE HOUSING	21.00	SS 316 Casted	SS 316 Casted	SS 316 Casted	SS 316 Casted
CHECK VALVE DISC	21.06	SS 316 Casted	SS 316 Casted	SS 316 Casted	SS 316 Casted
DIFFUSER CHAMBER	18.03	SS 316 Casted	SS 316 Casted	SS 316 Casted	SS 316 Casted
IMPELLER	19.00	SS 316 Casted	SS 316 Casted	SS 316 Casted	SS 316 Casted
JOURNAL BEARING	18.06	VITON	VITON	PTFE	PTFE
BUSH	18.06	SS 316	SS 316	SS 316	SS 316
WEAR RING	17.01	POM	POM	POM	POM
SUCTION INTER CONNECTOR	17.00	SS 316 Casted	SS 316 Casted	SS 316 Casted	SS 316 Casted
INLET SCREEN	14.03	SS 316	SS 316	SS 316	SS 316
PUMP SHAFT	22.00	SS 329	SS 329	SS 329	SS 329
CABLE GUARD	17.04	SS	SS	SS	SS
COUPLING	22.01	SS 329	SS 329	SS 329	SS 329

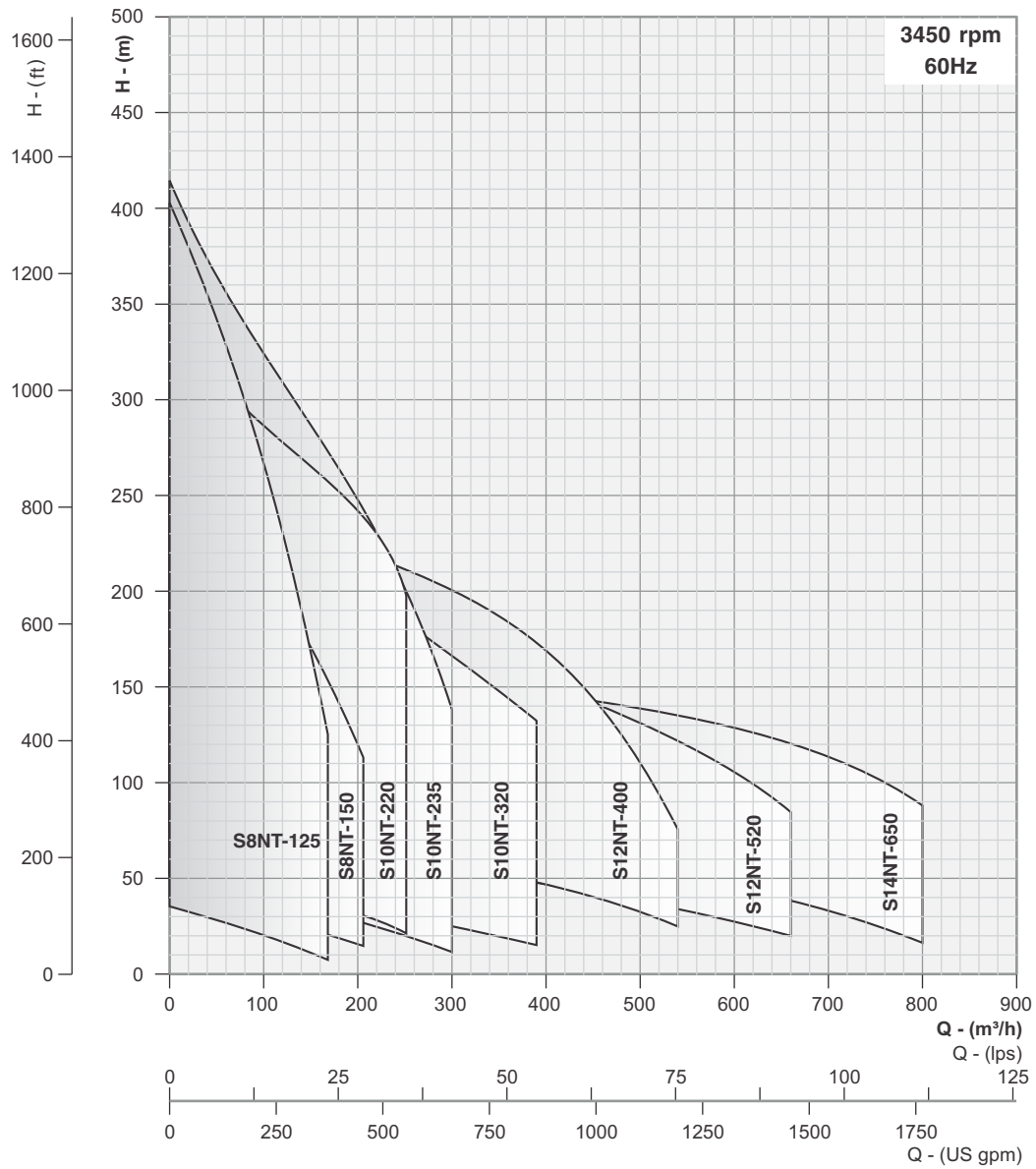
Performance Curve Conditions

The conditions below apply to the curves shown on the following pages.

- The Performance curves show pump performance at rated speed, voltage.
- The measurements were made with cold water (20°C) at atmospheric pressure (1bar). When pumping liquids with a density higher than that of water, motors with correspondingly higher outputs must be used.
- Pipe friction losses have not been included in the performance curves and performance tables.
- Q/H : The curves are inclusive of suction inter-connector losses at the actual speed.
- "Y- Curve" indicates the NRV loss to be considered while selecting pump.
- Efficiency curve: " η %" shows pump stage efficiency.
- Curve tolerance according to ISO : 9906, Grade 3B.
- The performances are at rated voltage and are only Indicative. Actual discharge depends on availability of water in well, based on strength of water source, height of water column, submergence of pump, etc.,.
- The given performances are for specific materials of construction of pump.
- The outlet size of the pumps are as per GAS/BSP standard.

GENERAL INFORMATION

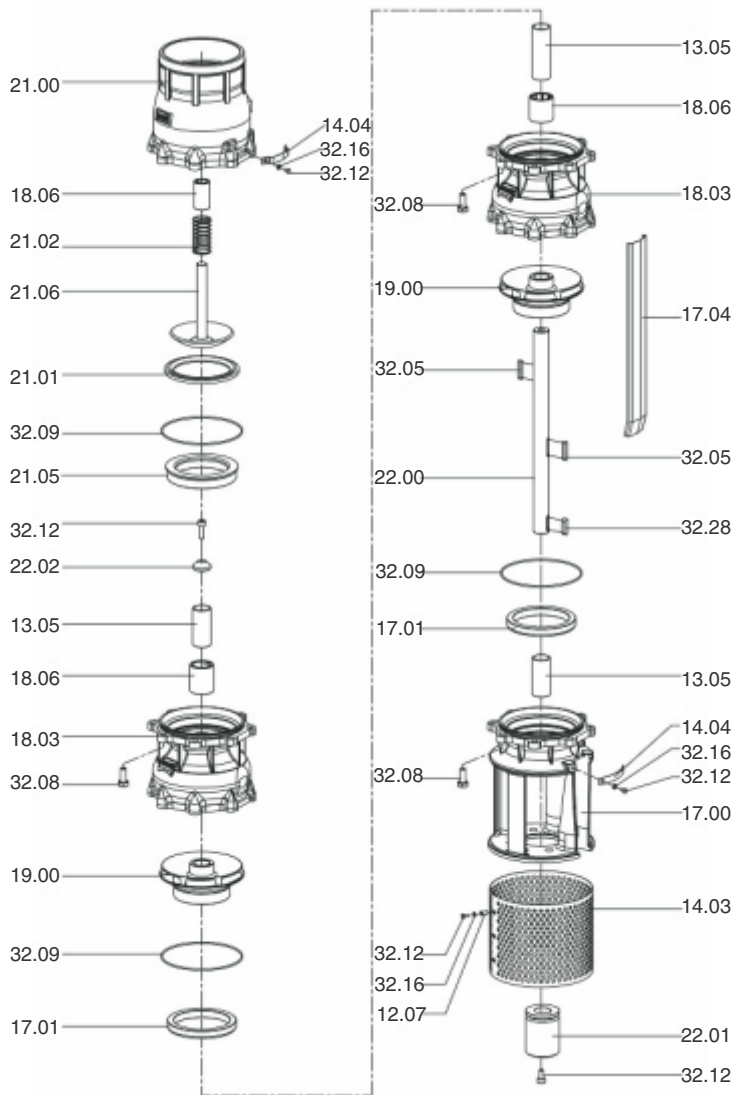
Group Performance Curves - 8", 10", 12" & 14"



STAINLESS STEEL GRAND SERIES

Exploded View

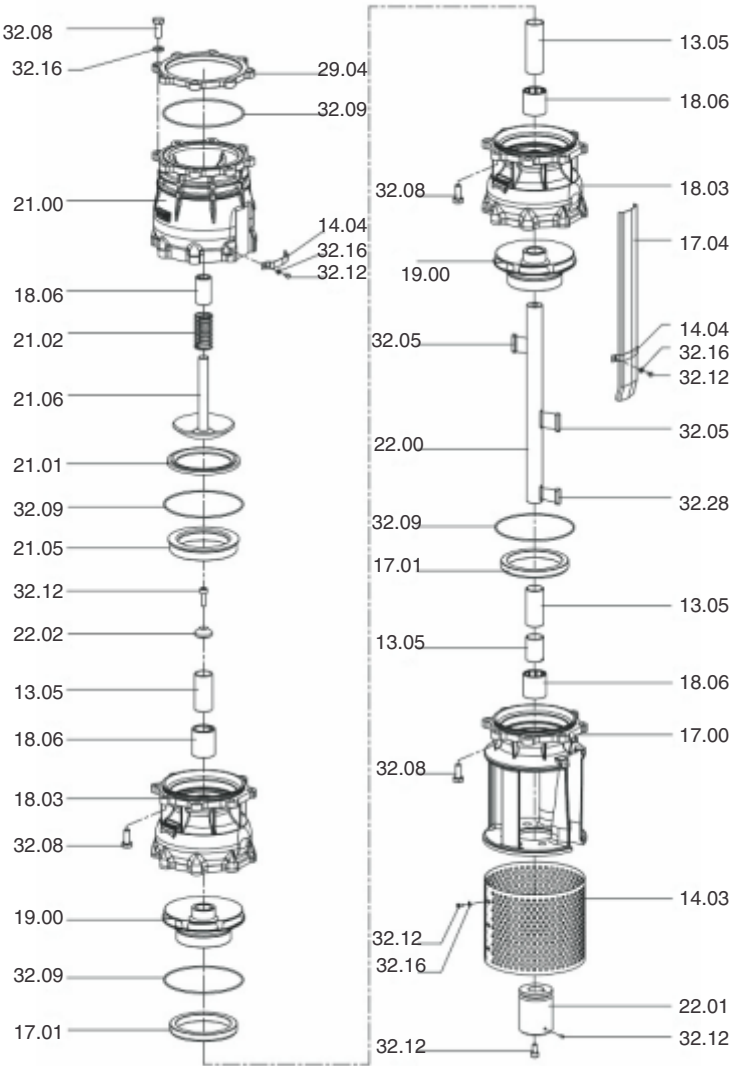
S8NT



Part No.	Part Name
12.07	Guide Bush
13.05	Sleeve
14.03	Inlet screen
14.04	Cable guard clamb
17.00	Suction inter connector
17.01	Wear ring
17.04	Cable guard
18.03	Diffuser chamber
18.06	Bush
19.00	Impeller
21.00	Check valve housing
21.01	Check valve seat
21.02	Check valve spring
21.05	Check valve bracket
21.06	Check valve disc
22.00	Pump shaft
22.01	Coupling
22.02	Lock cap
32.05	Impeller Key
32.08	Bolt
32.09	O - Ring
32.12	Screw
32.16	Washer
32.28	Coupling key

GENERAL INFORMATION

S10NT

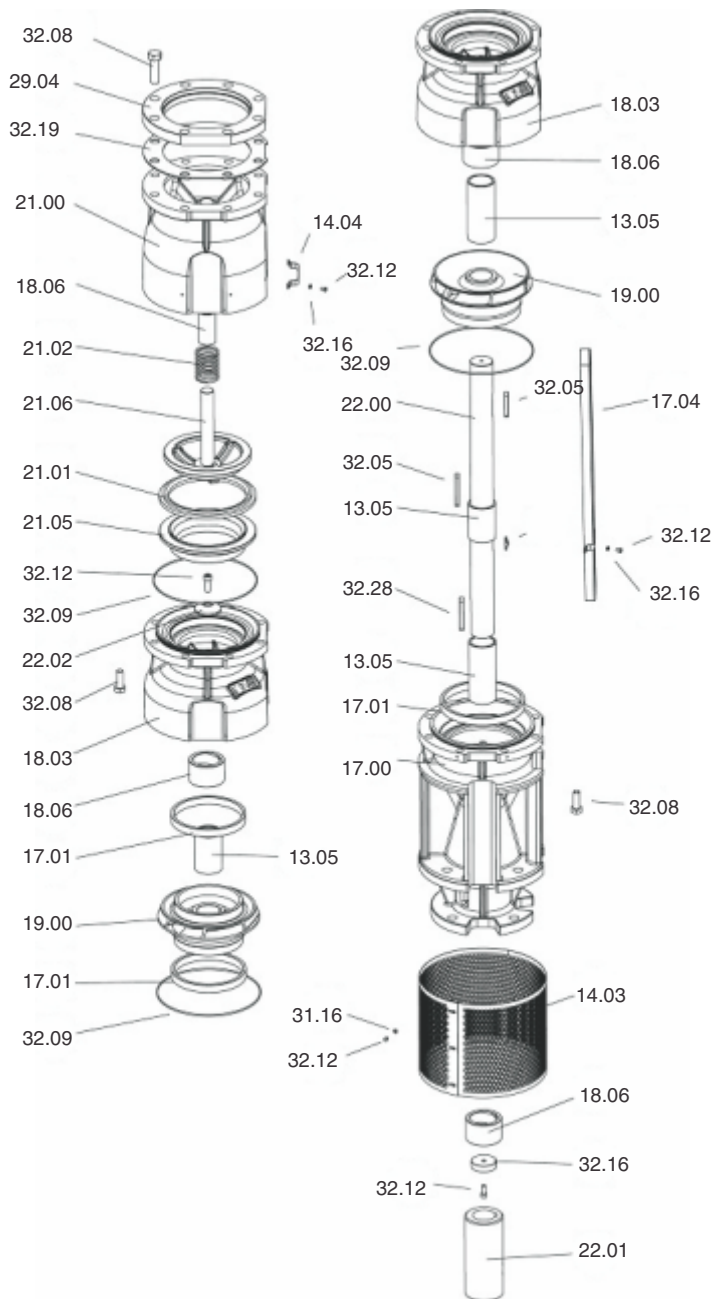


Part No.	Part Name
13.05	Sleeve
14.03	Inlet screen
14.04	Cable guard clamb
17.00	Suction inter connector
17.01	Wear ring
17.04	Cable guard
18.03	Diffuser chamber
18.06	Bush
19.00	Impeller
21.00	Check valve housing
21.01	Check valve seat
21.02	Check valve spring
21.05	Check valve bracket
21.06	Check valve disc
22.00	Pump shaft
22.01	Coupling
22.02	Lock cap
29.04	Flange
32.05	Impeller Key
32.08	Bolt
32.09	O - Ring
32.12	Screw
32.16	Washer
32.28	Coupling key

STAINLESS STEEL GRAND SERIES

Exploded View

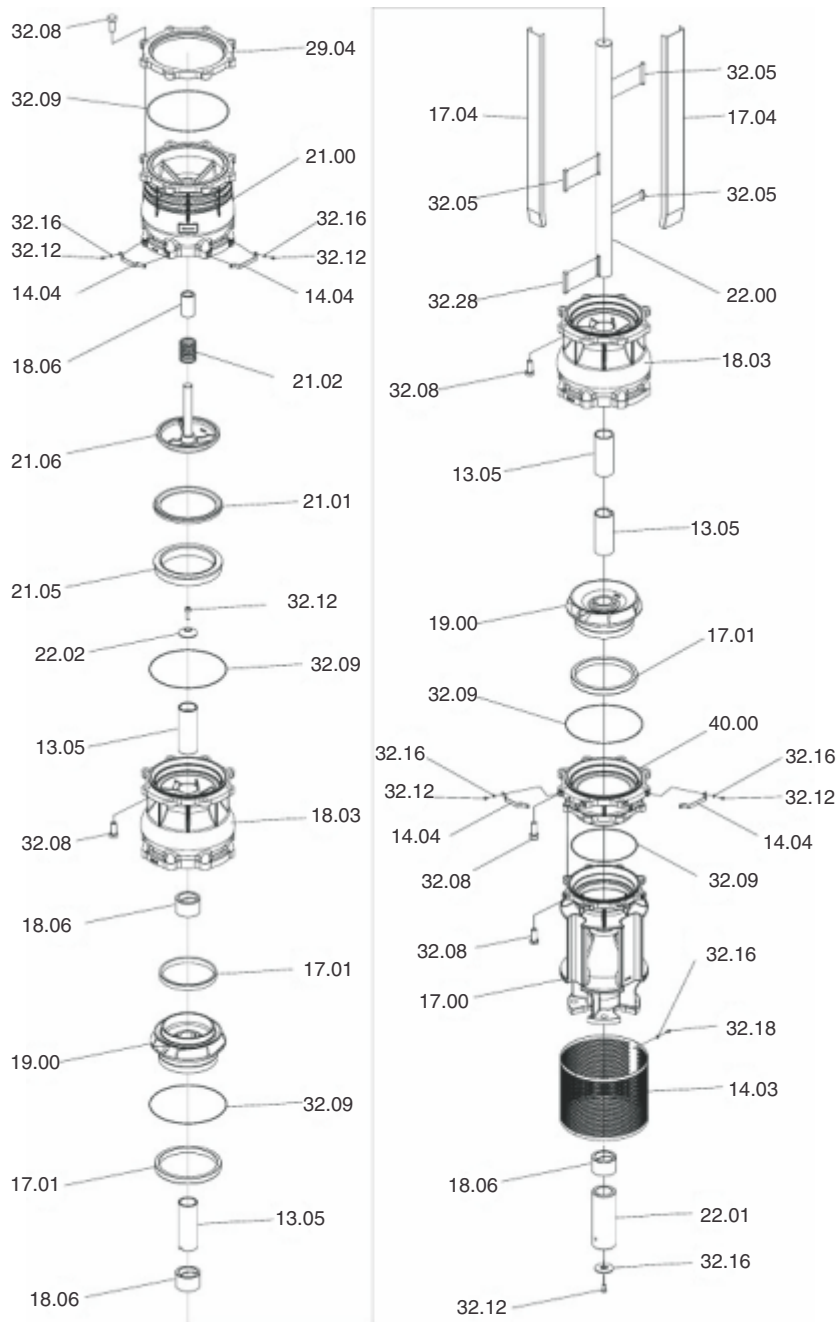
S12NT



Part No.	Part Name
13.05	Sleeve
14.03	Inlet screen
14.04	Cable guard clamb
17.00	Suction inter connector
17.01	Wear ring
17.04	Cable guard
18.03	Diffuser chamber
18.06	Bush
19.00	Impeller
21.00	Check valve housing
21.01	Check valve seat
21.02	Check valve spring
21.05	Check valve bracket
21.06	Check valve disc
22.00	Pump shaft
22.01	Coupling
22.02	Lock cap
29.04	Flange
32.05	Impeller Key
32.08	Bolt
32.09	O - Ring
32.12	Screw
32.16	Washer
32.19	Gasket
32.28	Coupling key

GENERAL INFORMATION

S14NT



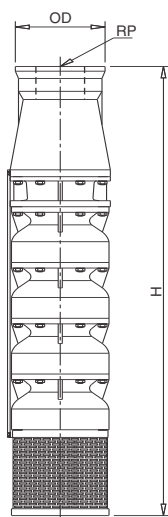
Part No.	Part Name
13.05	Sleeve
14.03	Inlet screen
14.04	Cable guard clamb
17.00	Suction inter connector
17.01	Wear ring
17.04	Cable guard
18.03	Diffuser chamber
18.06	Bush
19.00	Impeller
21.00	Check valve housing
21.01	Check valve seat
21.02	Check valve spring
21.05	Check valve bracket
21.06	Check valve disc
22.00	Pump shaft
22.01	Coupling
22.02	Lock cap
29.04	Flange
32.05	Impeller Key
32.08	Bolt
32.09	O - Ring
32.12	Screw
32.16	Washer
32.28	Coupling key
40.00	Adaptor flange

STAINLESS STEEL GRAND SERIES

Nominal Diameter : **8"**Nominal Flow : **125m³/h**Outlet Size : **5"**

Dimensions & Weight Table

DIMENSIONS



PUMP MODEL	Required Motor Power		Impeller Dia. in mm	H in mm	RP in Inch	OD Max. in mm	Weight in kg
	kW	HP					
S8NT-125-1G(6)	9.2	12.5	138	551	5"	198	23
S8NT-125-1B(6)	11	15	145	551	5"	198	23
S8NT-125-2G(6)	18.5	25	138	687	5"	198	30
S8NT-125-2B(6)	22	30	145	687	5"	198	30
S8NT-125-3D(6)	30	40	142	823	5"	198	38
S8NT-125-4E(6)	37	50	141	959	5"	198	46
S8NT-125-4B	45	60	145	959	5"	198	46
S8NT-125-5B	55	75	145	1095	5"	198	53
S8NT-125-6B	66	90	145	1231	5"	198	62
S8NT-125-7C	75	100	143.5	1367	5"	198	71
S8NT-125-8B	92	125	145	1503	5"	198	79
S8NT-125-9B	110	150	145	1639	5"	198	86
S8NT-125-10B	110	150	145	1775	5"	198	94

Performance Table

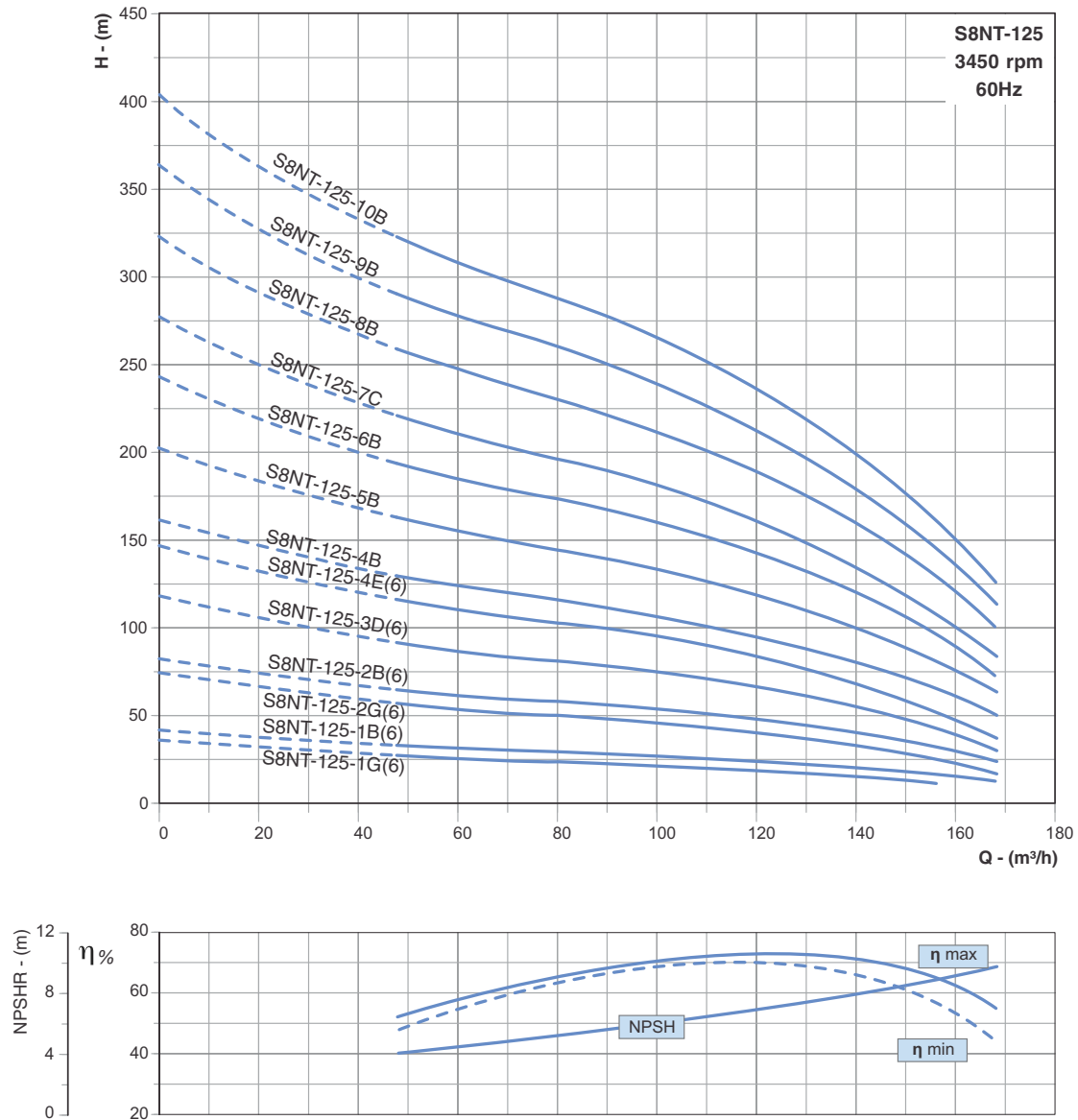
PUMP MODEL	HP	m ³ /h	0	48	72	96	108	120	126	132	138	144	156	168
		lps	0	13.3	20	26.6	30	33.3	35	36.6	38.3	40	43.3	46.6
S8NT-125-1G(6)	12.5	HEAD METERS	36	28	25	22.5	21	19.5	18.5	17.5	16	14.5	11	0
S8NT-125-1B(6)	15		41	32.5	29	26.5	25	23.5	22.5	21.5	20.5	19	16	12
S8NT-125-2G(6)	25		75	58	52	47	44.5	41	39	36.5	34	31	24.5	16.5
S8NT-125-2B(6)	30		82	65	59	54	51	47	45	43	40.5	37.5	31.5	23
S8NT-125-3D(6)	40		118	93	84	76	72	67	64	60	56.5	52.5	42.5	29.5
S8NT-125-4E(6)	50		147	117	106	96	91	83.5	78.5	74	69	64	51	37
S8NT-125-4B	60		162	130	118	108	102	95	91	87	82	76	64	51
S8NT-125-5B	75		202	163	148	135	128	119	114	108	102	95	80	63
S8NT-125-6B	90		243	195	177	162	153	143	137	130	122	114	96	73
S8NT-125-7C	100		277	223	202	184	174	162	155	147	138	128	107	83
S8NT-125-8B	125		323	260	236	216	204	191	183	173	163	152	128	101
S8NT-125-9B	150		364	293	265	243	230	214	206	195	183	171	144	114
S8NT-125-10B	150		404	324	295	270	255	238	228	216	204	190	160	126

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

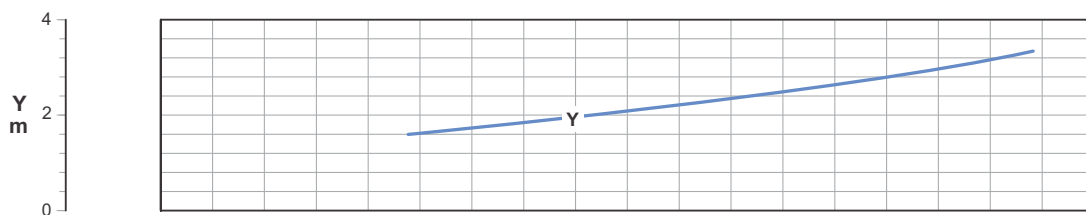
STAINLESS STEEL GRAND SERIES

Nominal Diameter : **8"**Nominal Flow : **125m³/h**Outlet Size : **5"**

Performance Curves



NRV Head Loss

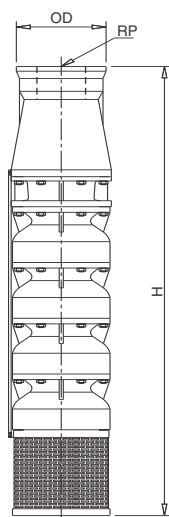


STAINLESS STEEL GRAND SERIES

Nominal Diameter : **8"**Nominal Flow : **150m³/h**Outlet Size : **5"**

Dimensions & Weight Table

DIMENSIONS



PUMP MODEL	Required Motor Power		Impeller Dia. in mm	H in mm	RP in Inch	OD Max. in mm	Weight in kg
	kW	HP					
S8NT-150-1F(6)	15	20	140	551	5"	198	23
S8NT-150-2H(6)	26	35	136	687	5"	198	30
S8NT-150-2C(6)	30	40	143.5	687	5"	198	30
S8NT-150-3H(6)	37	50	136	823	5"	198	37
S8NT-150-3D	45	60	141.5	823	5"	198	37
S8NT-150-4I	51.5	75	134	959	5"	198	45
S8NT-150-4G	55	75	138	959	5"	198	45
S8NT-150-4A	66	90	145.5	959	5"	198	45
S8NT-150-5D	75	100	141.5	1095	5"	198	54
S8NT-150-6D	92	125	141.5	1231	5"	198	61
S8NT-150-7C	110	150	143.5	1367	5"	198	68

Performance Table

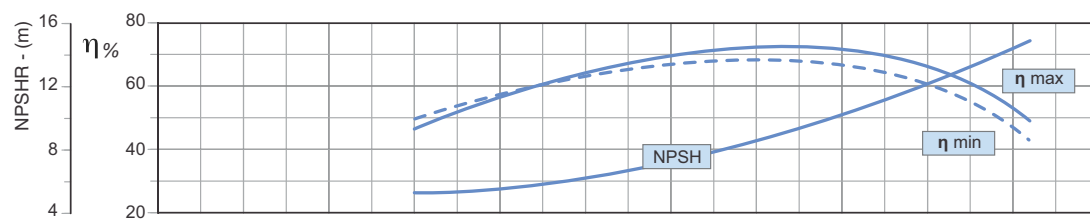
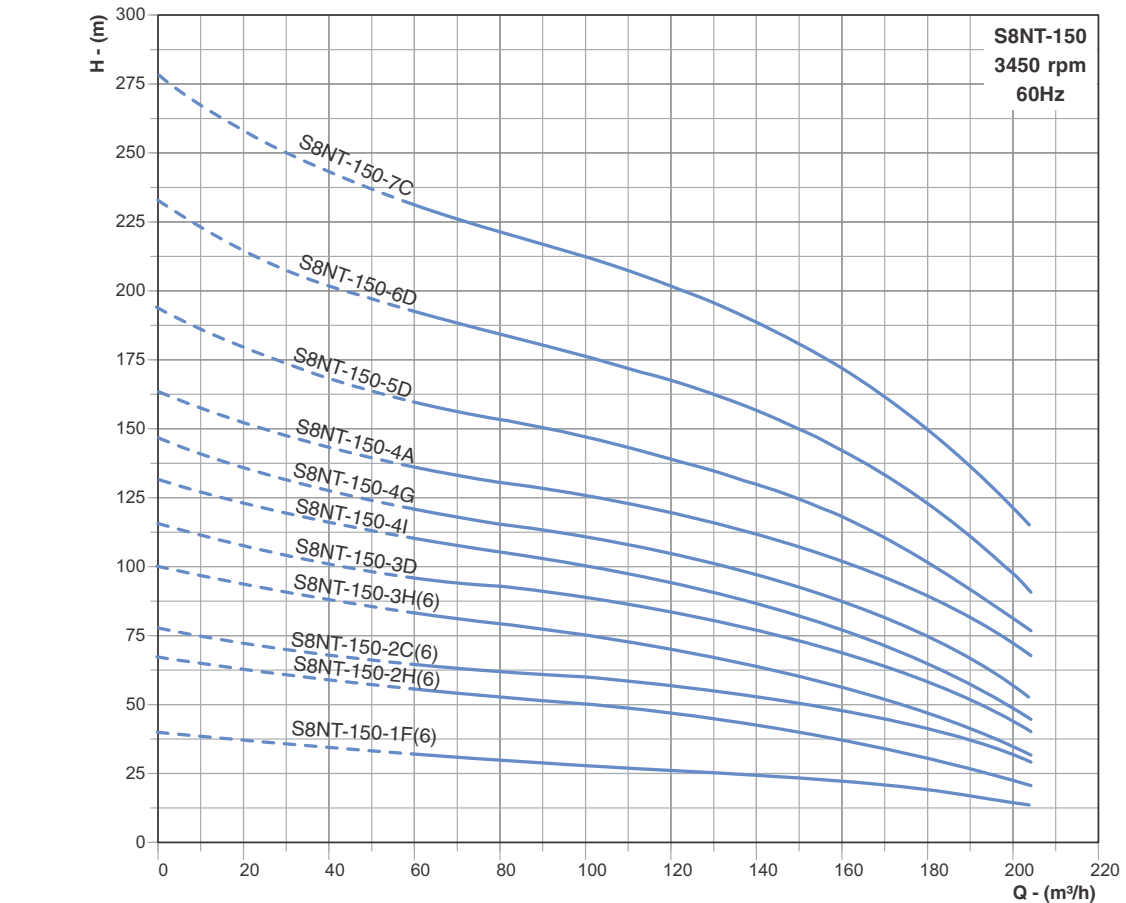
PUMP MODEL	HP	m ³ /h	0	60	90	120	132	144	150	156	162	168	180	204
		lps	0	16.6	25	33.3	33.6	40	41.6	43.3	45	46.6	50	56.6
S8NT-150-1F(6)	20	HEAD METERS	40	31.5	25.5	26	24.5	23.5	23	22	21	20.5	18.5	14
S8NT-150-2H(6)	35		67	57	51	45.5	43.5	42	40.5	39	37.5	36	31.5	20
S8NT-150-2C(6)	40		78	66	60	56	54	52	51	49.5	48	46	41.5	28
S8NT-150-3H(6)	50		100	85	77	69	66	63	61	59	57	54	47.5	30.5
S8NT-150-3D	60		116	98	89	82	80	76	74	71	69	66	59	40
S8NT-150-4I	75		131	112	102	92	88	84	82	79	76	73	65	44
S8NT-150-4G	75		147	124	112	103	100	96	94	91	88	84	75	52
S8NT-150-4A	90		163	139	127	117	114	110	108	105	102	99	91	66
S8NT-150-5D	100		193	164	149	137	133	128	126	122	118	114	103	75
S8NT-150-6D	125		232	196	178	164	159	154	151	147	142	137	124	90
S8NT-150-7C	150		278	236	215	198	192	186	182	178	172	166	152	113

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

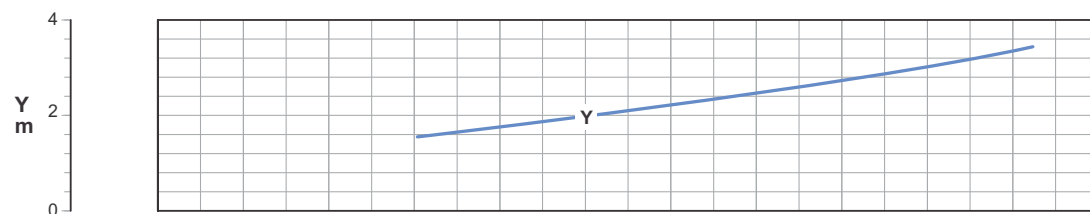
STAINLESS STEEL GRAND SERIES

Nominal Diameter : **8"**Nominal Flow : **150m³/h**Outlet Size : **5"**

Performance Curves



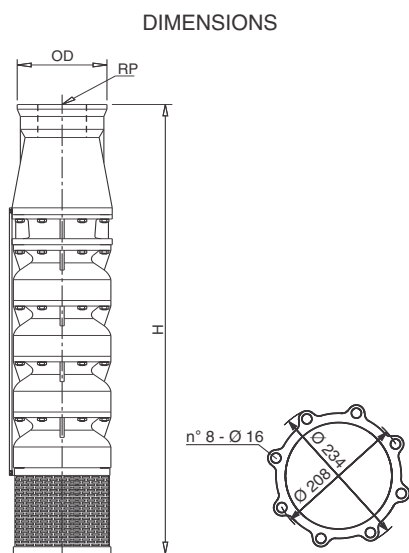
NRV Head Loss



STAINLESS STEEL GRAND SERIES

Nominal Diameter : **10"**Nominal Flow : **220m³/h**Outlet Size : **6"**

Dimensions & Weight Table



PUMP MODEL	Required Motor Power		Impeller Dia. in mm	H in mm	RP in Inch	OD Max. in mm	Weight in kg
	kW	HP					
S10NT-220-1H(6)	26	30	172	687	6"	243	47
S10NT-220-1I(6)	30	40	180	687	6"	243	47
S10NT-220-1H(6)	33	50	182	687	6"	243	48
S10NT-220-1Q(6)	37	50	188	687	6"	243	48
S10NT-220-1C(8)	40	60	192	687	6"	243	48
S10NT-220-2S(8)	45	60	164	867	6"	243	64
S10NT-220-2R(8)	51.5	75	170	867	6"	243	64
S10NT-220-2N(8)	55	75	174	867	6"	243	64
S10NT-220-2L(8)	59	85	178	867	6"	243	64
S10NT-220-2G(8)	66	90	184	867	6"	243	64
S10NT-220-2D(8)	75	100	190	867	6"	243	64
S10NT-220-3M(8)	92	125	176	1130	6"	243	89
S10NT-220-3Q(8)	110	150	188	1130	6"	243	89
S10NT-220-4H	130	175	182	1310	6"	243	105
S10NT-220-4D	150	200	190	1310	6"	243	105
S10NT-220-5G	170	230	184	1490	6"	243	121
S10NT-220-5Q	185	250	188	1490	6"	243	121

Performance Table

PUMP MODEL	HP	m ³ /h	0	60	108	132	150	168	180	192	204	216	228	240	252
		lps	0	16.6	30	36.6	41.6	46.6	50	53.3	56.6	60	63.3	66.5	70
S10NT-220-1H(6)	30	HEAD METERS	52	46	41.5	39.5	38.5	37	36	34.5	33	31	28.5	25.5	22
S10NT-220-1I(6)	40		59	51	45.5	44	42.5	41	39.5	38.5	37	35.5	33.5	31.5	29.5
S10NT-220-1H(6)	50		63	54	48.5	46.5	45.5	43.5	42.5	41.5	40	38.5	36.5	34.5	32.5
S10NT-220-1Q(6)	50		72	61	54	52	49.5	47.5	46.5	45	43.5	41.5	40	38	35.5
S10NT-220-1C(8)	60		75	64	57	54	52	50	48.5	47.5	46	44	42	40.5	38
S10NT-220-2S(8)	60		94	83	77	74	71	68	65	62	59	55	51	45.5	40.5
S10NT-220-2R(8)	75		103	90	83	80	78	74	72	69	66	63	58	53.5	48
S10NT-220-2N(8)	75		111	96	88	85	82	79	77	75	72	68	64	60	55
S10NT-220-2L(8)	85		117	100	92	89	87	84	82	79	76	73	69	65	60
S10NT-220-2G(8)	90		125	108	99	96	93	91	88	86	83	80	76	72	67
S10NT-220-2D(8)	100		142	122	109	105	102	99	97	95	93	90	86	82	78
S10NT-220-3M(8)	125		174	150	140	136	133	129	126	122	118	113	107	101	93
S10NT-220-3Q(8)	150		211	181	167	163	159	155	153	149	146	141	135	129	121
S10NT-220-4H	175		248	215	200	195	191	186	182	177	172	166	158	150	140
S10NT-220-4D	200		286	248	227	221	217	212	209	205	200	194	185	175	162
S10NT-220-5G	230		317	275	256	249	244	238	233	228	221	213	204	193	182
S10NT-220-5Q	250		350	303	278	270	265	259	255	250	244	235	225	213	198

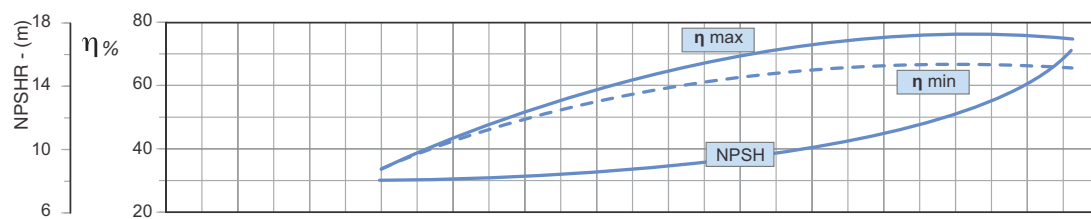
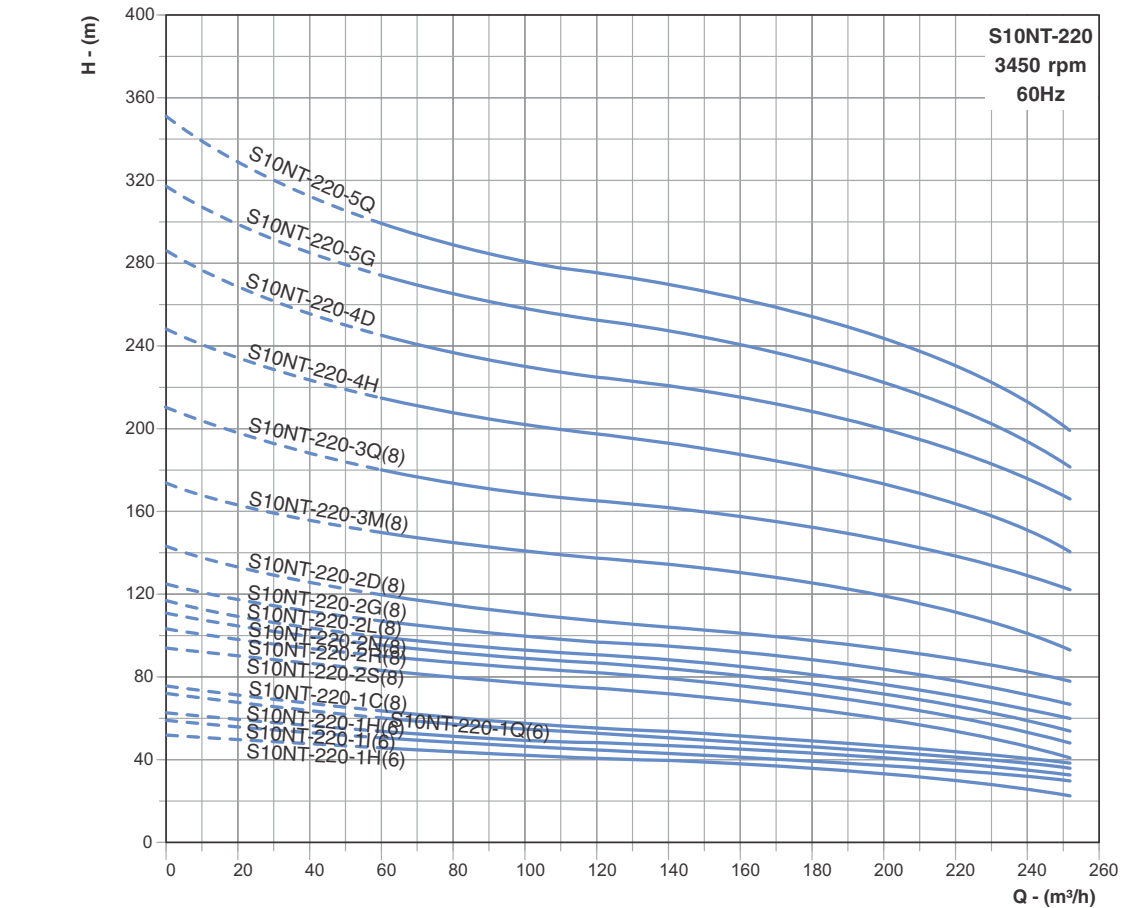
* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

** Outlet with weldable flange connection. On request adaptor with male / female threads (BSP / NPD) can be supplied at additional cost

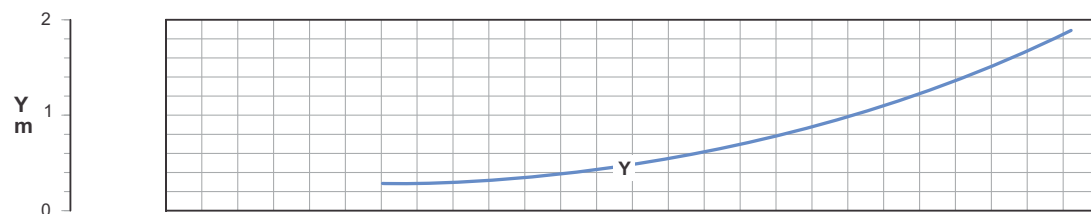
STAINLESS STEEL GRAND SERIES

Nominal Diameter : **10"**Nominal Flow : **220m³/h**Outlet Size : **6"**

Performance Curves



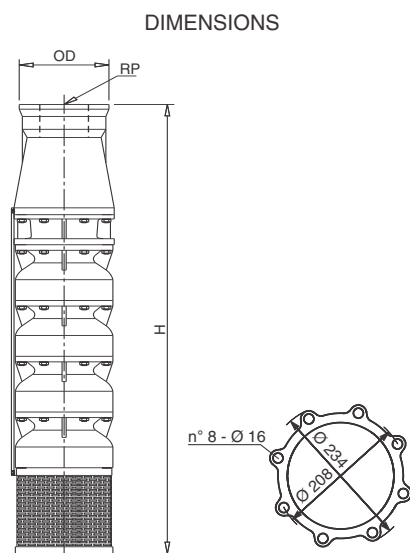
NRV Head Loss



STAINLESS STEEL GRAND SERIES

Nominal Diameter : **10"**Nominal Flow : **235m³/h**Outlet Size : **6"**

Dimensions & Weight Table



PUMP MODEL	Required Motor Power		Impeller Dia. in mm	H in mm	RP in Inch	OD Max. in mm	Weight in kg
	kW	HP					
S10NT-235-1L(6)	22	30	172	687	6"	243	47
S10NT-235-1I(6)	26	35	180	687	6"	243	47
S10NT-235-1M(6)	30	40	188	687	6"	243	47
S10NT-235-1E(6)	33	50	190	687	6"	243	48
S10NT-235-1A(6)	37	50	196	687	6"	243	48
S10NT-235-2L(8)	45	60	172	867	6"	243	64
S10NT-235-2I(8)	51.5	75	180	867	6"	243	64
S10NT-235-2N(8)	55	75	184	867	6"	243	64
S10NT-235-2E(8)	66	90	190	867	6"	243	64
S10NT-235-3O(8)	75	100	178	1047	6"	243	80
S10NT-235-3F(8)	92	125	186	1130	6"	243	80
S10NT-235-4N(8)	110	150	184	1310	6"	243	105
S10NT-235-4E	130	175	190	1310	6"	243	105
S10NT-235-5F	150	200	186	1490	6"	243	121
S10NT-235-6N	170	230	184	1670	6"	243	137
S10NT-235-6M	185	250	188	1670	6"	243	137

Performance Table

PUMP MODEL	HP	m³/h	0	72	120	144	168	186	204	216	228	240	258	276	300
		lps	0	20	33.3	40	46.6	51.5	56.6	60	63.3	66.6	71.6	76.6	83.3
S10NT-235-1L(6)	30	HEAD METERS	52	42.5	37	35	33	31	29	27.5	26	24	20.5	16.5	
S10NT-235-1I(6)	35		59	48	42.5	40	38	36	34	33	31.5	29.5	27	23.5	19
S10NT-235-1M(6)	40		64	53	47	44.5	42.5	40.5	38.5	37	35.5	33.5	31	28	23.5
S10NT-235-1E(6)	50		74	60	52	48	45.5	43.5	41.5	40	39	37.5	35	32	27
S10NT-235-1A(6)	50		79	64	56	53	49.5	47	45	43.5	42	40	37.5	35	31
S10NT-235-2L(8)	60		104	87	78	74	69	66	61	58	54	49.5	42.5	36.5	
S10NT-235-2I(8)	75		115	95	86	82	77	73	68	65	61	57	51	44	34
S10NT-235-2N(8)	75		120	100	90	86	81	77	73	69	66	62	55	48	38.5
S10NT-235-2E(8)	90		144	118	105	100	94	90	85	82	78	74	67	58	44
S10NT-235-3O(8)	100		170	143	129	124	117	112	105	100	95	88	78	67	49
S10NT-235-3F(8)	125		203	165	148	140	133	127	120	115	110	104	94	82	65
S10NT-235-4N(8)	150		242	204	186	178	169	162	153	147	140	132	118	103	79
S10NT-235-4E	175		282	231	206	196	186	178	170	163	156	148	134	120	94
S10NT-235-5F	200		331	275	246	234	221	211	200	192	183	173	156	137	109
S10NT-235-6N	230		364	306	279	266	253	240	227	218	208	197	177	155	123
S10NT-235-6M	250		414	338	302	287	272	260	247	238	226	214	194	172	138

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

** Outlet with weldable flange connection. On request adaptor with male / female threads (BSP / NPD) can be supplied at additional cost

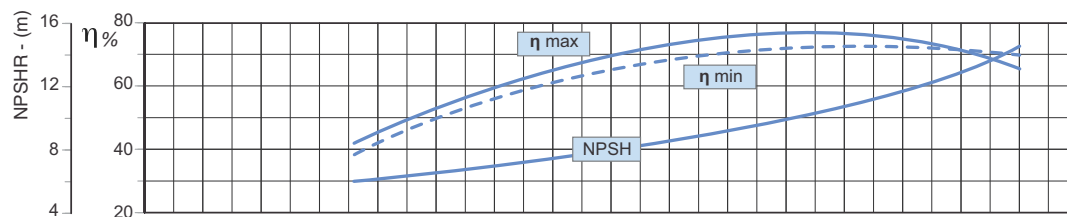
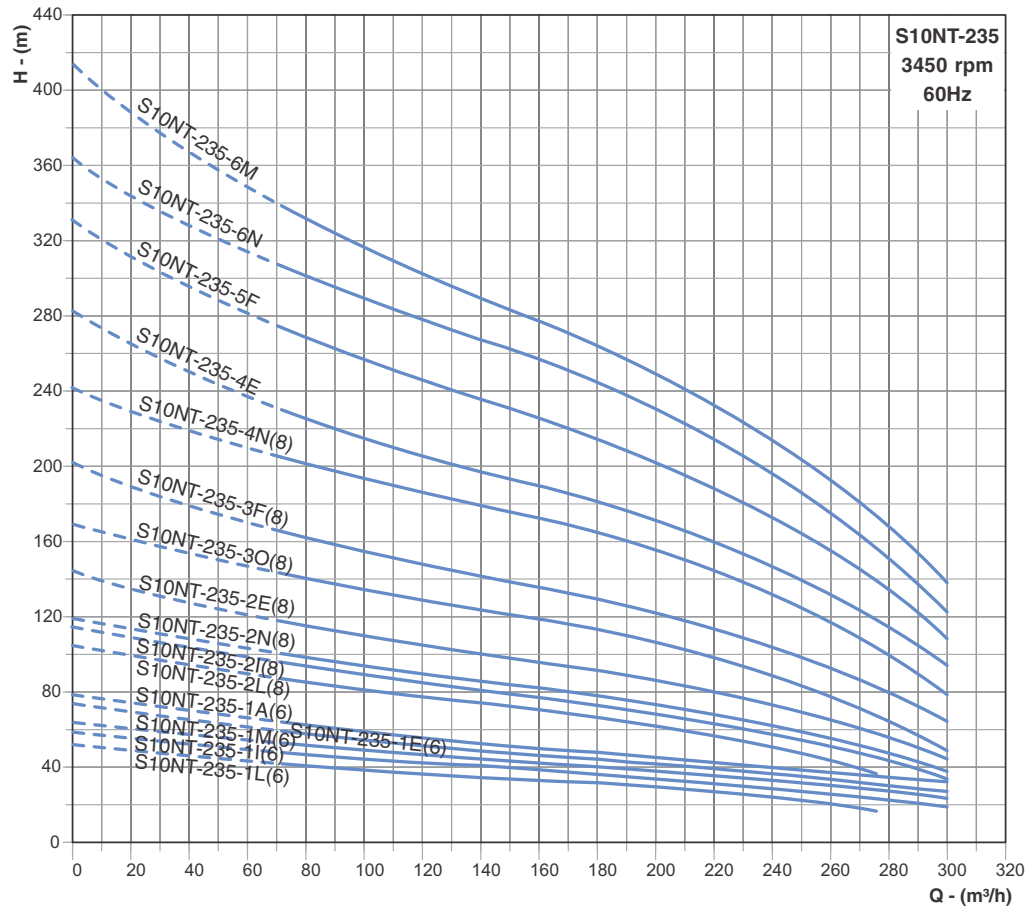
STAINLESS STEEL GRAND SERIES

Nominal Diameter : **10"**

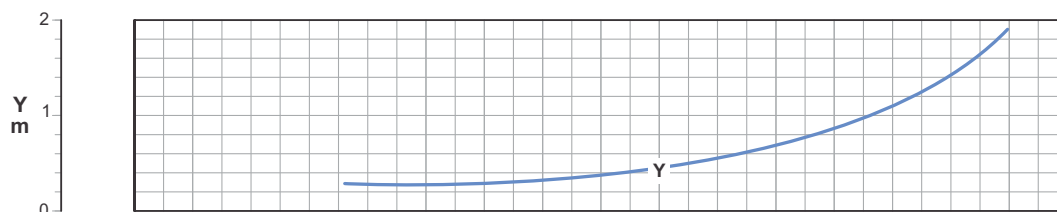
Nominal Flow : **235m³/h**

Outlet Size : **6"**

Performance Curves



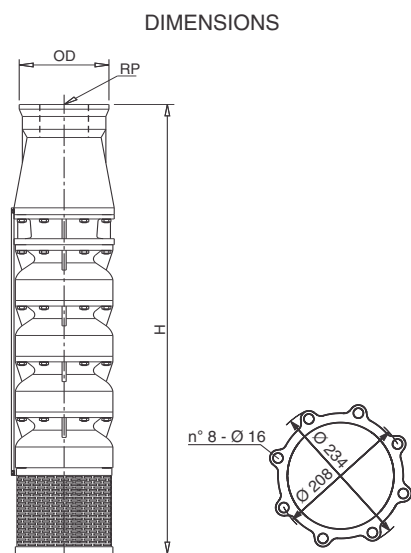
NRV Head Loss



STAINLESS STEEL GRAND SERIES

Nominal Diameter : **10"**Nominal Flow : **320m³/h**Outlet Size : **6"**

Dimensions & Weight Table



PUMP MODEL	Required Motor Power		Impeller Dia. in mm	H in mm	RP in Inch	OD Max. in mm	Weight in kg
	kW	HP					
S10NT-320-1M(6)	33	50	174	687	6"	243	48
S10NT-320-1I(6)	37	50	178	687	6"	243	48
S10NT-320-1G(8)	40	60	182	687	6"	243	48
S10NT-320-1F(8)	45	60	186	687	6"	243	48
S10NT-320-1B(8)	51.5	75	192	687	6"	243	48
S10NT-320-1A(8)	55	75	196	687	6"	243	48
S10NT-320-2M(8)	66	90	174	867	6"	243	64
S10NT-320-2I(8)	75	100	178	867	6"	243	64
S10NT-320-2C(8)	92	125	190	867	6"	243	73
S10NT-320-3L(8)	110	150	176	1130	6"	243	89
S10NT-320-3Q	130	175	184	1130	6"	243	89
S10NT-320-3B	150	200	192	1130	6"	243	89
S10NT-320-4G	170	230	182	1310	6"	243	105
S10NT-320-4D	185	250	188	1310	6"	243	105

Performance Table

PUMP MODEL	HP	m³/h	0	90	150	210	240	255	270	285	300	315	330	360	390
		lps	0	25	41.6	58.3	66.6	70.8	75	79.1	83.3	87.5	91.6	100	108.3
S10NT-320-1M(6)	50	HEAD METERS	53	45	39.5	34.5	32.5	31.5	30	29	27.5	26	24	19.5	14
S10NT-320-1I(6)	50		56	47.5	41.5	36.5	34.5	33	32	31	29.5	28	26	22	16.5
S10NT-320-1G(8)	60		67	53	45.5	40.5	38.5	37.5	36.5	35	33.5	32	30	25.5	19
S10NT-320-1F(8)	60		69	56	48	42.5	40.5	39.5	38.5	37.5	36	34.5	32.5	28.5	23
S10NT-320-1B(8)	75		76	59	51	45	43	42	40.5	39.5	38	37	35	31.5	27
S10NT-320-1A(8)	75		79	61	53	47.5	45	44	43	41.5	40.5	39	37.5	34	29.5
S10NT-320-2M(8)	90		107	91	81	72	67	65	62	59	57	54	51	42	32.5
S10NT-320-2I(8)	100		119	99	88	78	74	72	70	68	65	62	58	48	37.5
S10NT-320-2C(8)	125		137	115	103	93	88	85	83	81	78	75	71	61	49
S10NT-320-3L(8)	150		170	146	132	120	114	110	107	104	100	96	91	81	68
S10NT-320-3Q	175		196	165	151	139	133	130	127	124	120	116	111	101	90
S10NT-320-3B	200		220	184	167	157	151	147	143	140	135	130	125	114	103
S10NT-320-4G	230		255	215	196	181	173	169	165	160	155	150	144	131	117
S10NT-320-4D	250		272	230	211	195	187	183	179	174	169	164	158	145	131

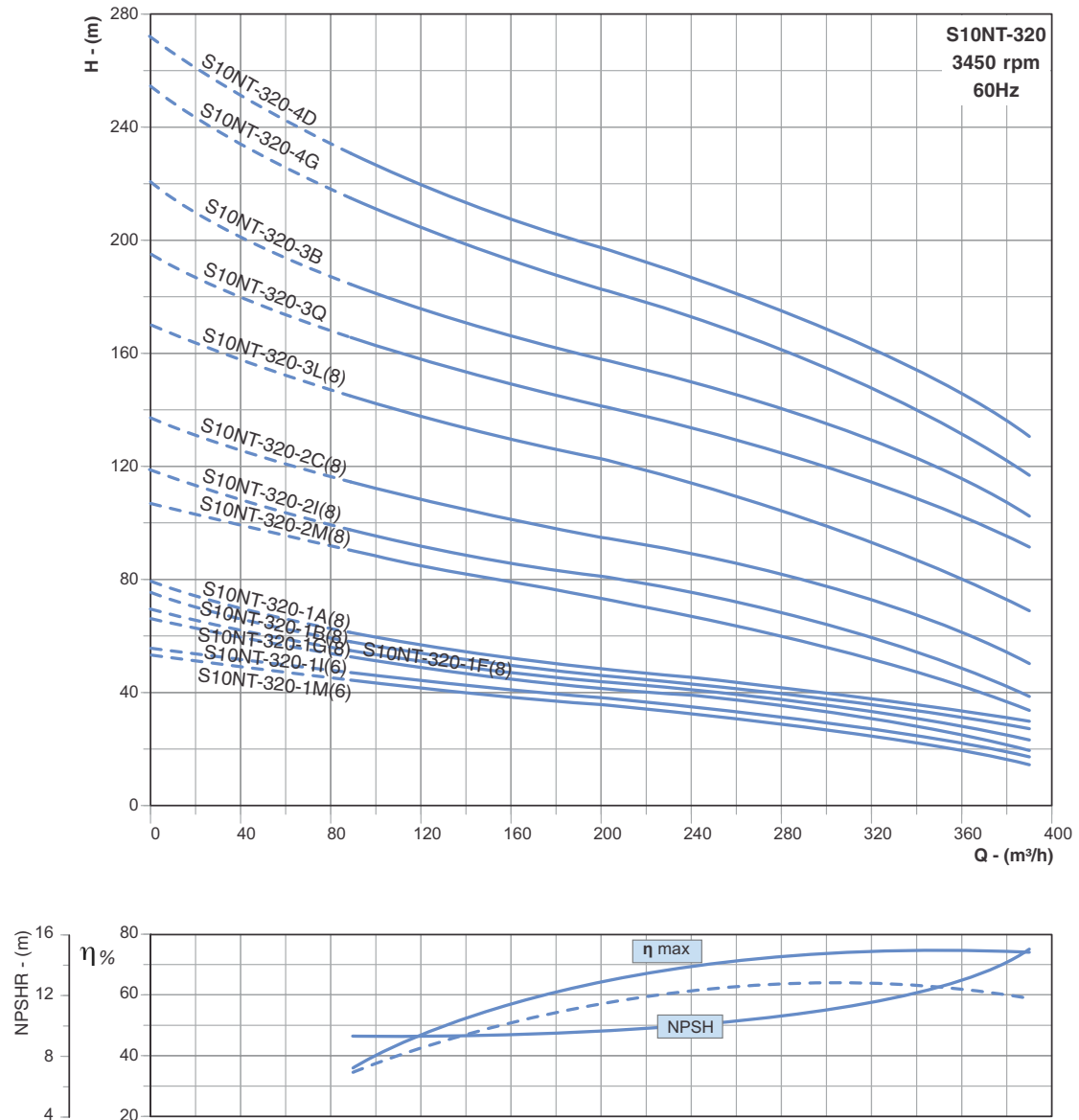
* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

** Outlet with weldable flange connection. On request adaptor with male / female threads (BSP / NPD) can be supplied at additional cost

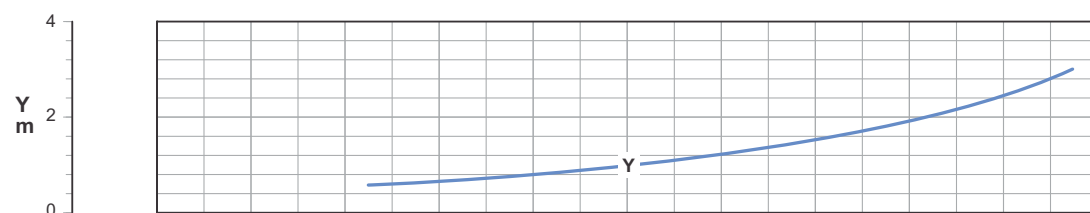
STAINLESS STEEL GRAND SERIES

Nominal Diameter : **10"**Nominal Flow : **320m³/h**Outlet Size : **6"**

Performance Curves



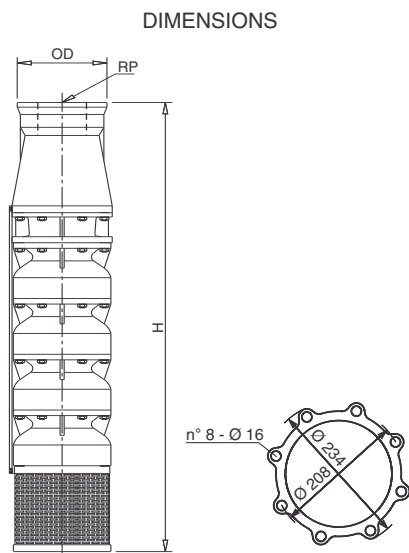
NRV Head Loss



STAINLESS STEEL GRAND SERIES

Nominal Diameter : **12"**Nominal Flow : **400m³/h**Outlet Size : **7"**

Dimensions & Weight Table



PUMP MODEL	Required Motor Power		Impeller Dia. in mm	H in mm	RP in Inch	OD Max. in mm	Weight in kg
	kW	HP					
S12NT-400-1I(8)	75	100	203	876	7"	298	99
S12NT-400-1D(8)	92	125	214	876	7"	298	99
S12NT-400-1L(8)	110	150	222	876	7"	298	99
S12NT-400-2KS(10)	130	175	198	1076	7"	298	129
S12NT-400-2GS(10)	150	200	206	1076	7"	298	129
S12NT-400-2ES(10)	170	230	211	1076	7"	298	129
S12NT-400-2BS(10)	185	250	217	1076	7"	298	129
S12NT-400-3HS	220	300	205	1276	7"	298	158
S12NT-400-3ES	250	340	211	1276	7"	298	158

Performance Table

PUMP MODEL	HP	m ³ /h	0	210	240	270	300	330	360	390	420	450	480	510	540
		lps	0	58.3	66.6	75	83.3	91.6	100	108.3	116.6	125	133.3	141.6	150
S12NT-400-1I(8)	100	HEAD METERS	76	66	61	59	58	55	53	50	46	41.5	37	31.5	0
S12NT-400-1D(8)	125		88	73	72	70	69	67	66	63	60	56	51	46	40
S12NT-400-1L(8)	150		102	82	80	78	76	74	72	70	67	64	60	55	49
S12NT-400-2KS(10)	175		146	123	119	116	112	107	101	94	84	72	58	42	
S12NT-400-2GS(10)	200		162	135	131	127	123	119	114	108	100	90	78	62	
S12NT-400-2ES(10)	230		175	146	143	139	136	131	126	119	111	101	90	78	65
S12NT-400-2BS(10)	250		189	154	150	146	143	139	134	128	120	110	100	88	74
S12NT-400-3HS	300		242	202	196	190	184	177	169	160	146	130	111	84	
S12NT-400-3ES	340		259	217	212	207	200	193	185	175	161	146	129	106	76

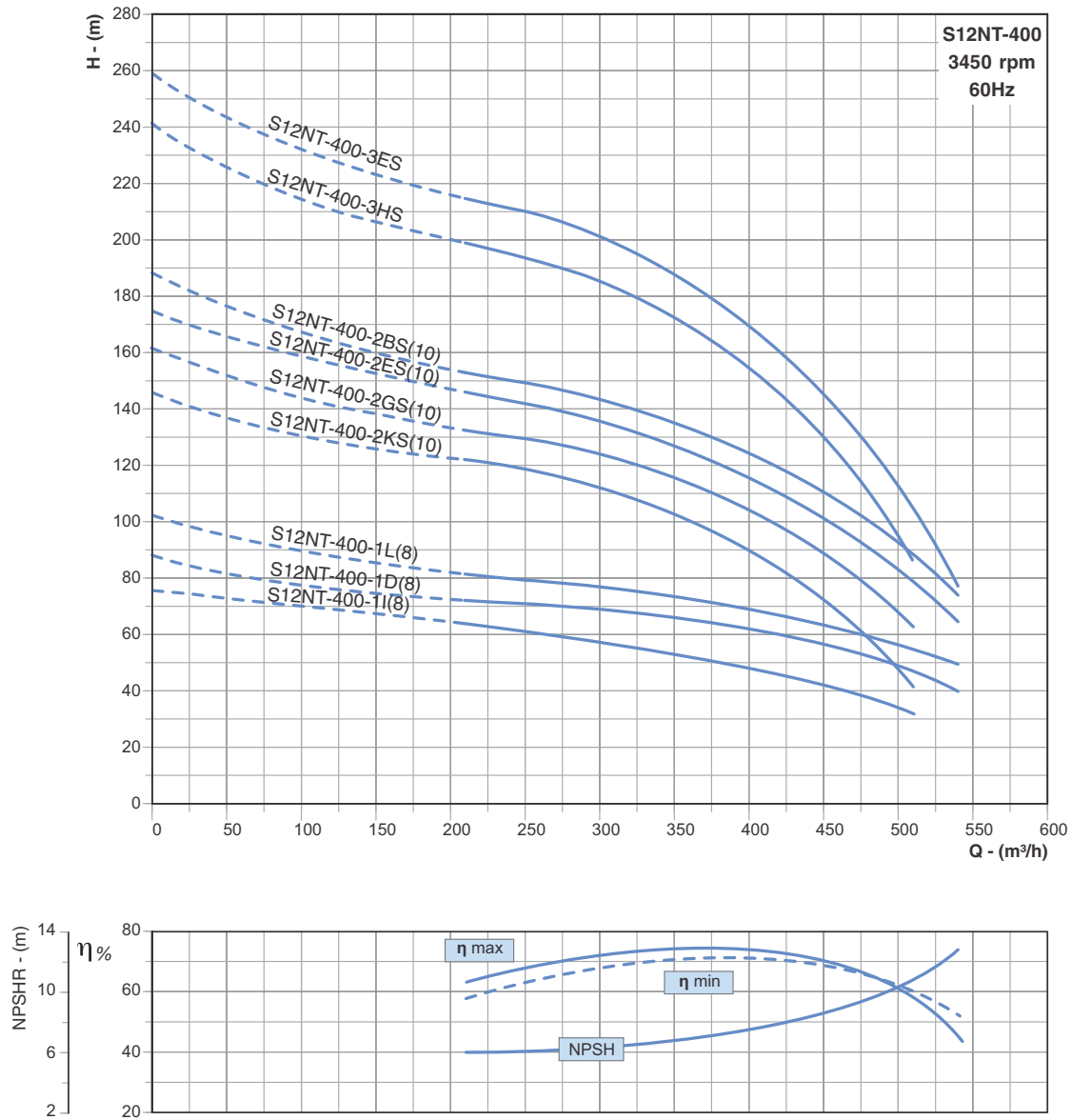
* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

** Outlet with weldable flange connection. On request adaptor with male / female threads (BSP / NPD) can be supplied at additional cost

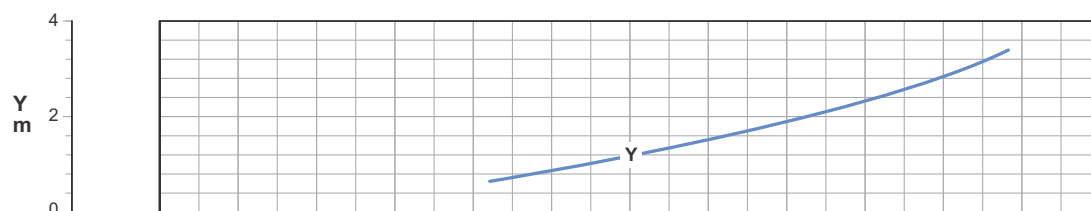
STAINLESS STEEL GRAND SERIES

Nominal Diameter : **12"**Nominal Flow : **400m³/h**Outlet Size : **7"**

Performance Curves



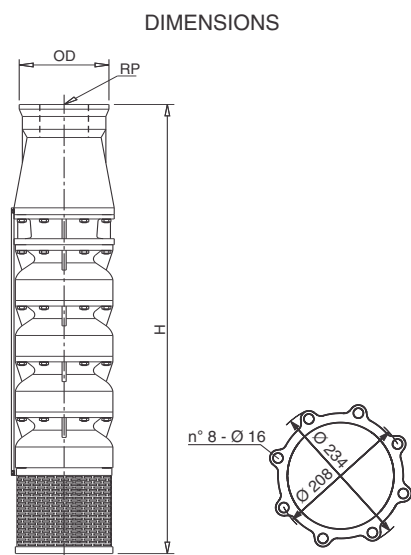
NRV Head Loss



STAINLESS STEEL GRAND SERIES

Nominal Diameter : **12"**Nominal Flow : **520m³/h**Outlet Size : **7"**

Dimensions & Weight Table



PUMP MODEL	Required Motor Power		Impeller Dia. in mm	H in mm	RP in Inch	OD Max. in mm	Weight in kg
	kW	HP					
S12NT-520-1F(8)	75	100	202	876	7"	298	96
S12NT-520-1A(8)	92	125	212	876	7"	298	96
S12NT-520-2HS(10)	150	200	298	1076	7"	298	123
S12NT-520-2ES(10)	170	230	203	1076	7"	298	123
S12NT-520-2CS(10)	185	250	207.5	1076	7"	298	123
S12NT-520-3GS2	220	300	200	1276	7"	298	149
S12NT-520-3FS2	250	340	202	1276	7"	298	149

Performance Table

PUMP MODEL	HP	m ³ /h	0	240	300	360	390	420	450	480	510	540	570	600	660
		lps	0	66.6	83.3	100	108.3	116.6	125	133.3	141.6	150	158	166.6	183.3
S12NT-520-1F(8)	100	HEAD METERS	74	57	53	49.5	47.5	45	43	40.5	37.5	34.5	31	27.5	19.5
S12NT-520-1A(8)	125		83	64	60	56	55	53	51	49.5	47	44	40.5	37	27.5
S12NT-520-2HS(10)	200		142	111	105	99	96	92	89	84	79	73	67	60	44.5
S12NT-520-2ES(10)	230		154	120	114	108	105	102	98	95	89	84	78	71	55
S12NT-520-2CS(10)	250		165	129	122	116	113	110	107	103	98	93	87	80	63
S12NT-520-3GS2	300		201	161	151	141	136	131	126	120	113	104	96	84	
S12NT-520-3FS2	340		219	176	166	156	152	147	142	136	130	122	114	105	84

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

** Outlet with weldable flange connection. On request adpoter with male / female threads (BSP / NPD) can be supplied at additional cost

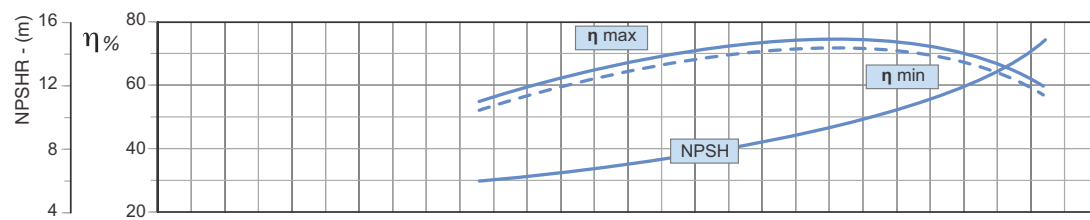
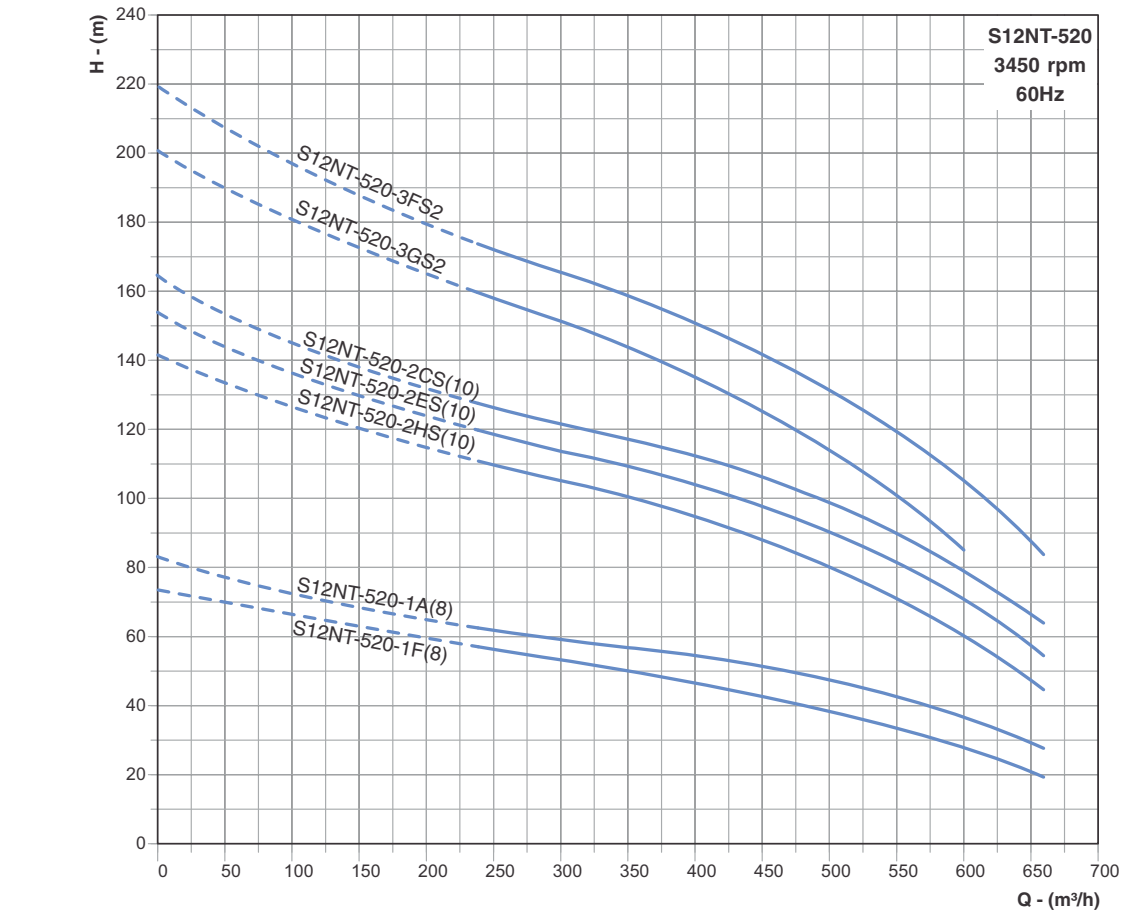
STAINLESS STEEL GRAND SERIES

Nominal Diameter : **12"**

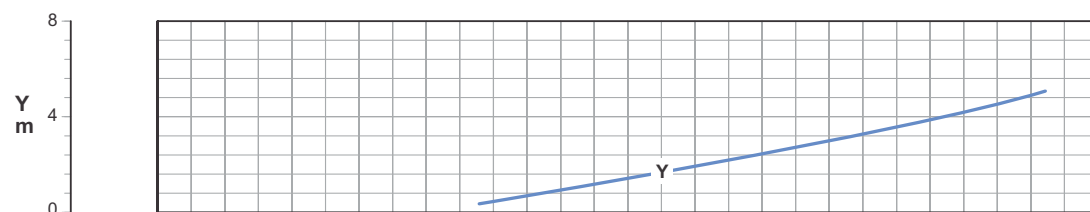
Nominal Flow : **520m³/h**

Outlet Size : **7"**

Performance Curves



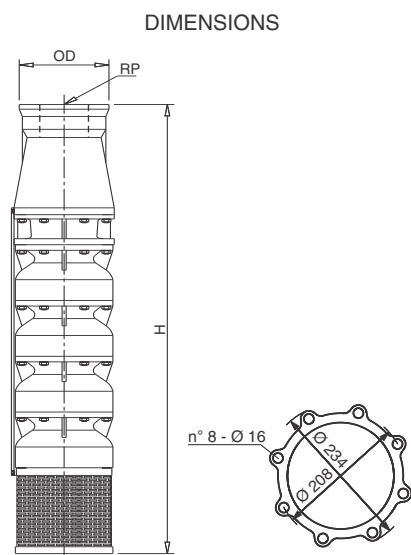
NRV Head Loss



STAINLESS STEEL GRAND SERIES

Nominal Diameter : **14"**Nominal Flow : **650m³/h**Outlet Size : **9"**

Dimensions & Weight Table



PUMP MODEL	Required Motor Power		Impeller Dia. in mm	H in mm	RP in Inch	OD Max. in mm	Weight in kg
	kW	HP					
S14NT-650-1G(10)	110	150	232	1043	9"	340	140
S14NT-650-1F(10)	130	175	233	1043	9"	340	140
S14NT-650-1E(10)	150	200	213.5	1043	9"	340	140
S14NT-650-1C(10)	170	230	219	1043	9"	340	140
S14NT-650-1B(10)	185	250	274	1043	9"	340	140
S14NT-650-1A(12)	220	300	211	1043	9"	340	140
S14NT-650-2FS(12)	250	340	217	1295	9"	340	183
S14NT-650-2DS(12)	300	400	228	1295	9"	340	183

Performance Table

PUMP MODEL	HP	m ³ /h	0	180	300	360	420	480	540	600	660	720	780	840
		lps	0	50	83.3	100	116.6	133.3	150	166.6	183.3	200	216.6	233.3
S14NT-650-1G(10)	150	HEAD METERS	67	58	51	48.5	47	45.5	44.5	43	40	35.5	28.5	
S14NT-650-1F(10)	175		78	67.5	61	58.5	56	54.5	53	51.5	49.5	45	38	25.5
S14NT-650-1E(10)	200		84.5	73.5	67	64	61.5	59.5	58	56.5	55	51	45.5	36
S14NT-650-1C(10)	230		96.5	83	76	73	71	69	68	67	65	61	53	40
S14NT-650-1B(10)	250		100	86	79	76	73.5	71.5	70.5	69.5	68	64.5	58	45.5
S14NT-650-1A(12)	300		111	98	89	86	83.5	82	81	80	78.5	75.5	68.5	54
S14NT-650-2FS(12)	340		150.5	138	130	125.5	121.5	118	114.5	111	106.5	98	85.5	66.5
S14NT-650-2DS(12)	400		175	155.5	147	143	139.5	136	133.5	130.5	126.5	119	107	88.5

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

** Outlet with weldable flange connection. On request adpoter with male / female threads (BSP / NPD) can be supplied at additional cost

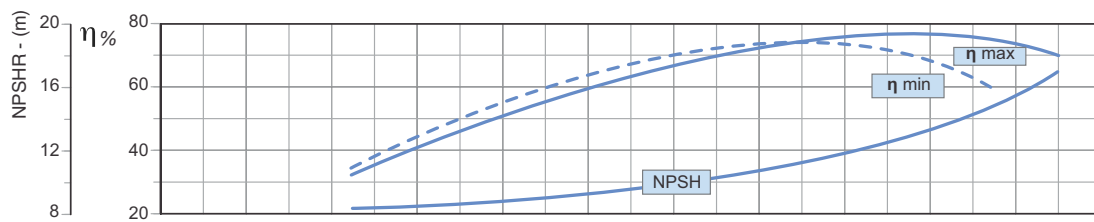
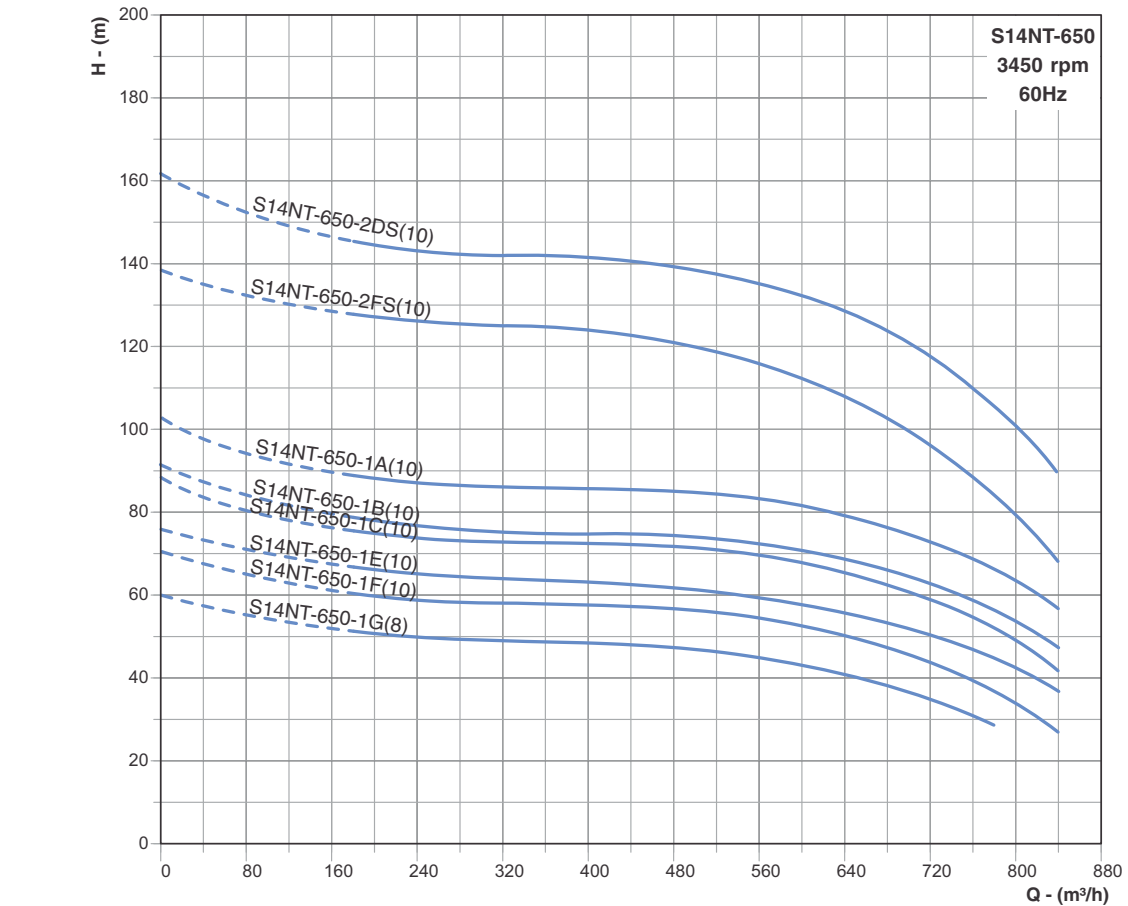
STAINLESS STEEL GRAND SERIES

Nominal Diameter : **14"**

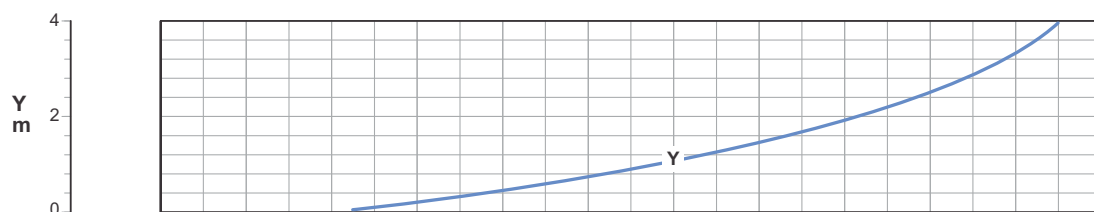
Nominal Flow : **650m³/h**

Outlet Size : **9"**

Performance Curves



NRV Head Loss



C.R.I. PUMPS (PVT) LIMITED

(International Division)

7/46-1, Keeranatham Road, Saravanampatty, Coimbatore - 641 035, India. Tel : +91-422-3911610, 3911612.
Fax : +91-422-3911600 e-mail : cri@criexports.com website: www.cripumps.com

C.R.I. PUMPS S.A. (PTY) LIMITED

P.O. Box 6292, Halfway House, Midrand - 1685, Johannesburg,
South Africa. Tel : +27-11-8058631 / 32 Fax : +27-11-8058630
e-mail : cri@cripumps.co.za website : www.cripumps.co.za

Branch : Capetown: + 27-21-931 2516

C.R.I. POMPA SANAYİ VE TİCARET LİMİTED ŞİRKETİ

10032 Sk. No:12 A.O.S.B. 35620 Çiğli-İzmir-Türkiye.
Tel:+90-232-328 22 99 Fax:+90-232-328 23 33
E-mail: cri@cripompa.com Website: www.cripompa.com

C.R.I PUMPS (Shanghai) Co., Ltd.

Building 53 (No. 17), 588 Yindu Road, Minhang District,
Shanghai, China. Tel: 021-54405082, Fax: 021-54405083
web : www.cripumps.com.cn e-mail : cri@cripumps.com.cn

C.R.I. PUMPS (FZE)

P.O. Box 7988, A4-40 SAIF-Zone, Sharjah, U.A.E.
Tel : +971-6-5573041 (3 Lines), Fax : +971-6-5573042
e-mail : cripumps@eim.ae

C.R.I. BOMBAS HIDRÁULICAS LTDA

Av. Rodrigo Fernando Grillo, 457, Jd. Manacas,
CEP - 14.801-534, Araraquara - SP, Brasil.
Fone : +55-16-3331 1099, Fax +55-16-3331 5344
e-mail : cri@cribombas.com.br website : www.cribombas.com.br

Filial : Jaboatão dos Guararapes-PE. Fone : +55-16-81487012

BOMBAS C.R.I. ESPAÑA,S.L.

Poligono Industrail El.Bony Calle 31, No.137, 46470
Catarroja (Valencia) Spain.
Tel: +34-96 1842 974 Fax: +34-96 1842 977.
Email: cri@bombascri.es Website: www.bombascri.es