



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

DEEP WELL
SUBMERSIBLE PUMPS

EVERGREEN SERIES - 50Hz



C.R.I. PUMPS

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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 2300 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 2 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 300,000 square metres. The production environment is accredited with ISO 9001, ISO 14001 & OHSAS 18001 certifications and the products are CE, UR/UL, IEC, 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

Submersible Pumps

C.R.I. Submersible Pumps are the products of the expertise gained from over four decades of experience, endurance and workmanship. These products are engineered to perfection with utmost care and stringent quality control at all stages to ensure a trouble free service.

Description : C.R.I. 6" & 8" Evergreen Series Submersible pumps are available with different materials of construction. Pumps are incorporated with extremely hardwearing bearings and built in stainless steel check valve. All vital components of these pumps are designed for the best possible hydraulic efficiency.

All the bronze components are made of high grade "Zinc free bronze" to resist corrosion and to withstand wear & tear caused by sand. Also the high quality cast iron components and shaft made of S.S.431 ensures the long life of the pump. Pumps are multistage centrifugal type, which are firmly coupled to a submersible electric motor which operates submerged beneath the surface of water.

Built in check valve prevents back flow and reduces the risk of water hammering. All mounting dimensions of pumps & motors are accordance with NEMA standard. C.R.I. Submersible pumps can be offered with either C.R.I. 'W' Series water filled rewindable submersible motors or any other NEMA standard motors.

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

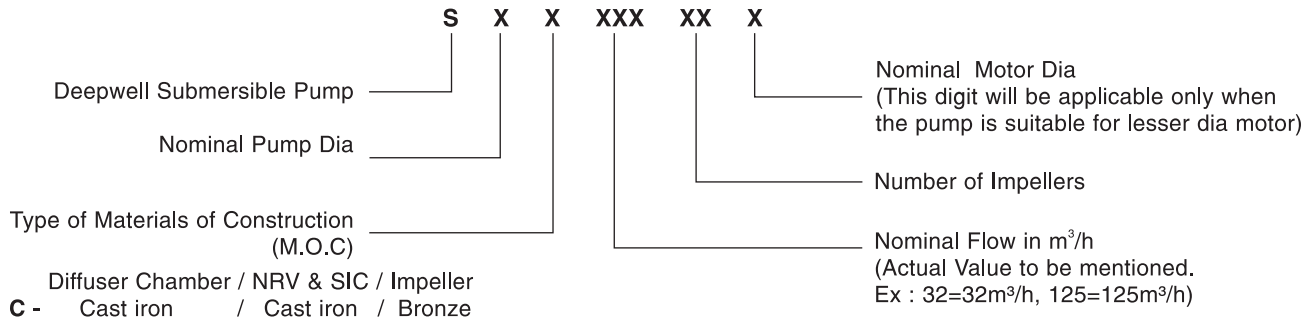
Applications : Irrigation | Civil water supply | Fountains | Industrial & Rural water supply | Fire fighting | Pressure boosting units | Gardens | Sprinkler systems and Mining.



EVERGREEN SERIES

Model Identification Code

MODEL IDENTIFICATION CODE DEEPWELL SUBMERSIBLE PUMP - 50 HZ



Pumped Liquids

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

a)	Temperature	33°C (max.)
b)	Permissible amount of sand	50g/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	1.75 x 10 ⁻⁶ m ² /sec (max.)
h)	Turbidity	50 ppm silica scale(max.)
i)	pH	6.5 to 8.5

Maximum Temperature of Pumped Liquid

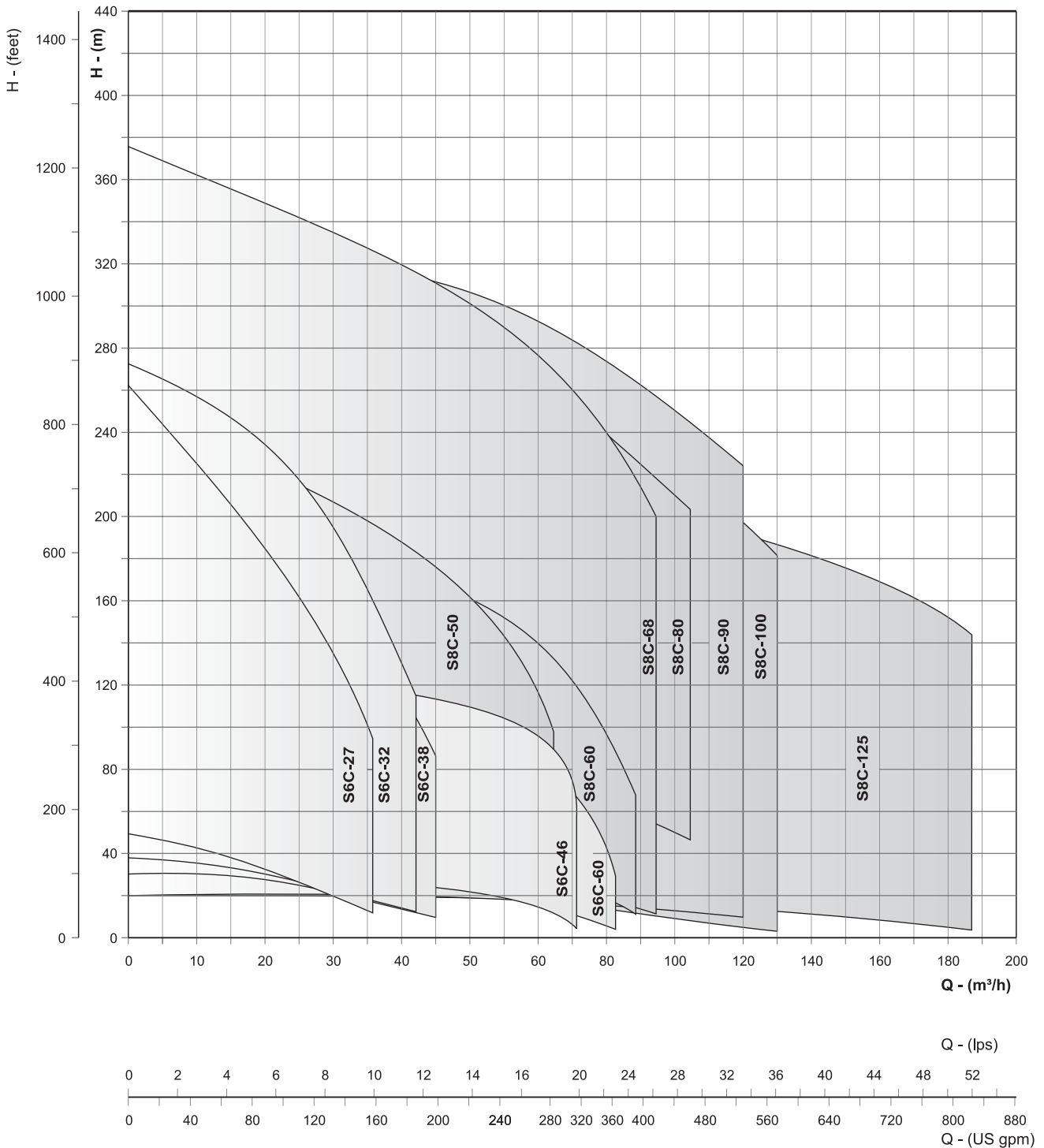
Motor	Minimum cooling flow along the motor	Vertical installation	Horizontal installation minimum 30° angle
6"	0.15 m/s	33°C	33°C
8"	0.16 m/s	33°C	33°C

Pump Operating Limitations			
Nominal diameter		6"(150mm)	8"(200mm)
Power Range		3.7 - 26 kW	5.5 - 93 kW
Speed		2900 rpm	2900 rpm
Discharge Range	m ³ /h	9 – 83	20 – 187
	lps	2.5 – 23	5.5 – 52
Total Head Range	m	2 – 272	3 – 375
	ft	6.5 – 892	9.8 – 1230
Outlet Size in Inches		3 & 4	3, 4, 5 & 6

Maximum operating pressure	
6" Submersible pump	2.7Mpa (27 bar)
8" Submersible pump	3.7Mpa (37bar)

GENERAL INFORMATION

Group Performance Curve - 6" & 8"



EVERGREEN SERIES

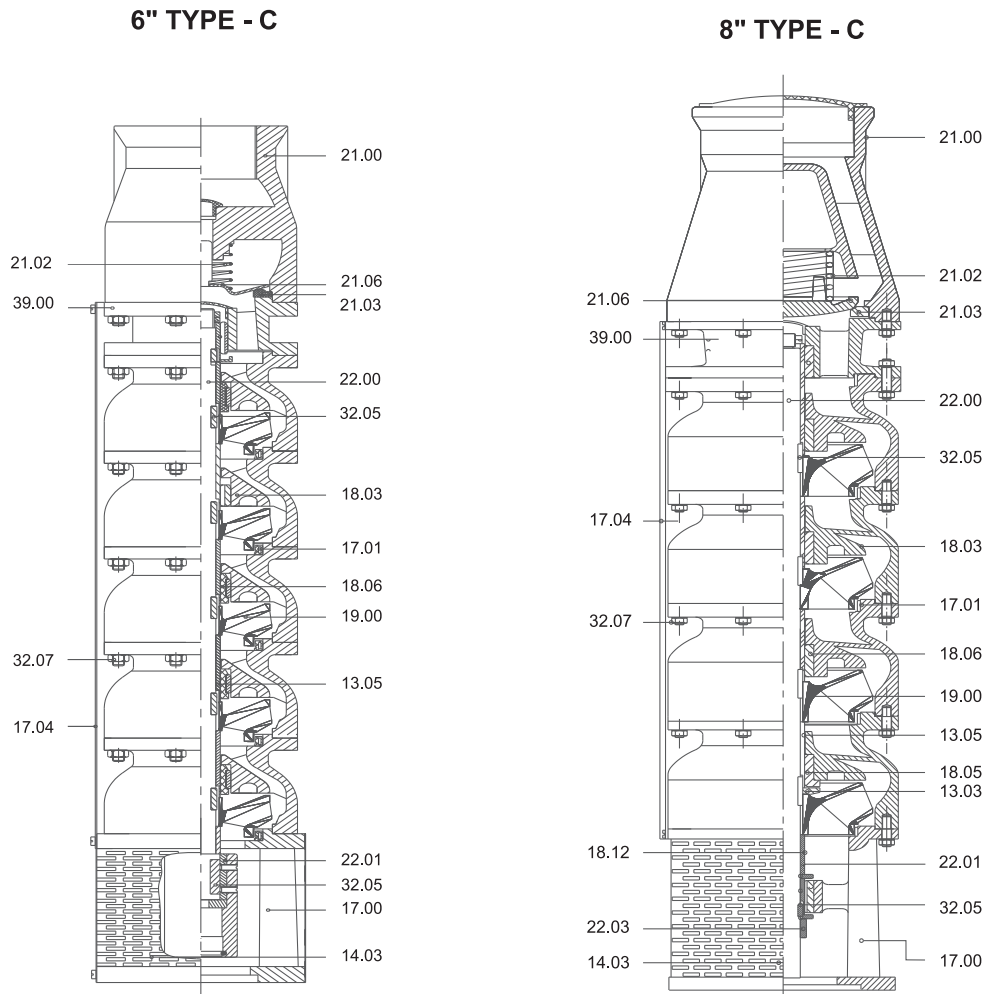
Materials of Construction

PART NAME	PART No.	NOMINAL DIA . 6"	NOMINAL DIA . 8"
		TYPE - C	TYPE - C
CHECK VALVE HOUSING	21.00	CAST IRON	CAST IRON
CHECK VALVE DISC	21.06	S.S - 304	S.G. IRON
CHECK VALVE SEAT	21.03	NBR	S.G. IRON
DIFFUSER CHAMBER	18.03	CAST IRON	CAST IRON
IMPELLER	19.00	BRONZE	BRONZE / SS - 410*
WEARING RING	17.01	NBR	S.S - 304 / NBR
UP THRUST WASHER / STOP RING	13.03	S.S - 420 / BRONZE	SS 420 / BRONZE
INTERMEDIATE BEARING (SLEEVE / BUSH)	18.06	S.S - 410 / BRONZE	S.S - 410 / BRONZE &
			S.S - 410 / NITRILE RUBBER
SUCTION INTER CONNECTOR	17.00	CAST IRON	CAST IRON
INLET SCREEN	14.03	S.S - 304	S.S - 304
PUMP SHAFT	22.00	S.S - 410 / 431	S.S - 431
CABLE GUARD	17.04	S.S - 304	S.S - 304
COUPLING	22.01	S.S - 329	S.S - 329

* Applicable only for model S8C-125.

GENERAL INFORMATION

Cross-sectional Drawing



Part No.	Part Name
13.03	Upthrust Washer / Stopping
13.05	Sleeve
14.03	Inlet Screen
17.00	Suction Inter Connector
17.01	Wearing Ring
17.04	Cable Guard
18.03	Diffuser Chamber

Part No.	Part Name
18.05	Upthrust Pad
18.06	Bush
18.12	Spacer
19.00	Impeller
21.00	Check Valve Housing
21.02	Check Valve Spring
21.03	Check Valve Seat

Part No.	Part Name
21.06	Check Valve Disc
22.00	Pump Shaft
22.01	Coupling
32.05	Key
32.07	Nut
39.00	Bush Bracket

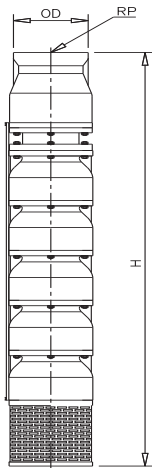
EVERGREEN SERIES

Nominal Diameter : **6"**

Nominal Flow : **27m³/h**

Outlet Size : **2½"/3"*****

Dimensions & Weight

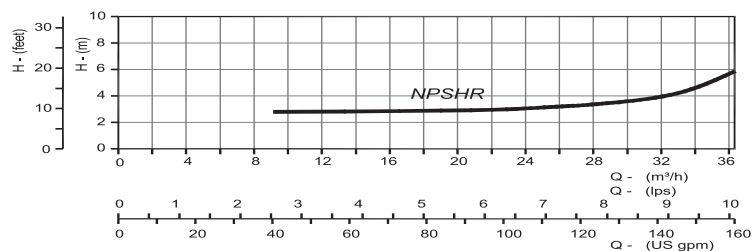


PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	KW	HP		OD	RP	H	
S6C-27/05	3.7	5	1	144	65 / 80	806	33
S6C-27/06	4.5	6	1	144	65 / 80	896	37
S6C-27/07	5.5	7.5	1 / 2	144	65 / 80	986	42
S6C-27/08	5.5	7.5	1 / 2	144	65 / 80	1076	48
S6C-27/10	7.5	10	1 / 2	144	65 / 80	1256	56
S6C-27/12	9.3	12.5	1 / 2	144	65 / 80	1436	62
S6C-27/15	11	15	1 / 2	144	65 / 80	1706	74
S6C-27/17	13	17.5	1 / 2	144	65 / 80	1886	83
S6C-27/20	15	20	1 / 2	144	65 / 80	2156	100
S6C-27/22	18.5	25	1 / 2	144	65 / 80	2336	109
S6C-27/25	18.5	25	1 / 2	144	65 / 80	2606	115

Performance Table

PUMP MODEL	MOTOR KW	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	lps	0	2.22	3.33	4.44	5.56	6.67	7.50	7.78	8.89	10.00
			m ³ /h	0	8	12	16	20	24	27	28	32	36
S6C-27/05	3.7		51	45	42	38	34	30	27	25	20	14	
S6C-27/06	4.5		62	54	50	47	42	37	33	31	25	17	
S6C-27/07	5.5		72	63	59	54	49	43	39	38	29	20	
S6C-27/08	5.5		86	73	68	62	58	52	45	43	34	26	
S6C-27/10	7.5		104	92	85	78	72	63	57	54	43	31	
S6C-27/12	9.3		126	114	107	99	90	82	73	71	59	47	
S6C-27/15	11		158	144	133	123	113	101	91	88	72	54	
S6C-27/17	13		165	154	147	138	128	115	103	100	82	62	
S6C-27/20	15		211	189	177	163	149	134	120	117	95	72	
S6C-27/22	18.5		234	212	199	184	168	152	138	132	108	79	
S6C-27/25	18.5		262	234	220	204	189	171	155	150	124	96	

NPSHR CURVE



* 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.

** Optional outlet Size.

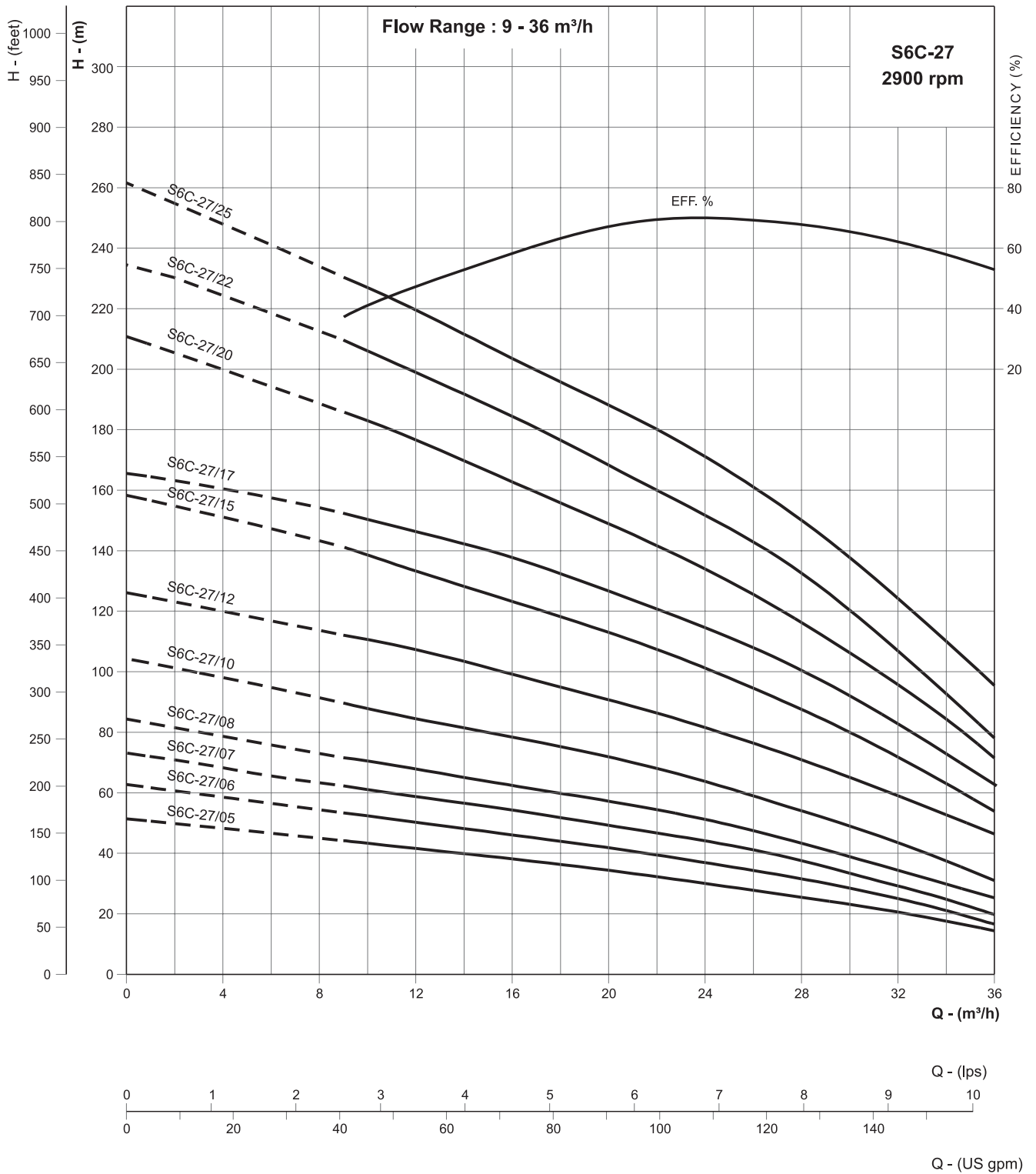
EVERGREEN SERIES

Nominal Diameter : **6"**

Nominal Flow : **27m³/h**

Outlet Size : **2½"/3"*****

Performance Curves



** Optional outlet Size.

Refer General Information for performance curve conditions and for other details.
Curve tolerance according to ISO : 9906, Grade 2B.

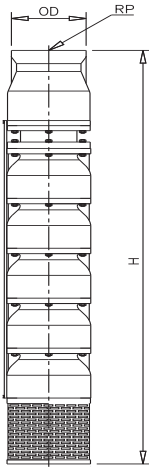
EVERGREEN SERIES

Nominal Diameter : **6"**

Nominal Flow : **32m³/h**

Outlet Size : **2½"/3"*****

Dimensions & Weight

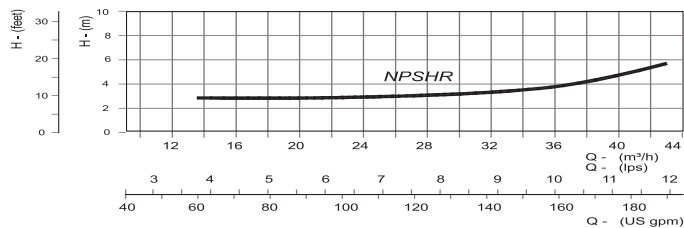


PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		OD	RP	H	
S6C-32/04	3.7	5	1	144	65/80	716	28
S6C-32/05	4.5	6	1	144	65/80	806	33
S6C-32/06	5.5	7.5	1 / 2	144	65/80	896	37
S6C-32/08	7.5	10	1 / 2	144	65/80	1076	48
S6C-32/10	9.3	12.5	1 / 2	144	65/80	1256	56
S6C-32/12	11	15	1 / 2	144	65/80	1436	62
S6C-32/14	13	17.5	1 / 2	144	65/80	1616	68
S6C-32/16	15	20	1 / 2	144	65/80	1796	78
S6C-32/20	18.5	25	1 / 2	144	65/80	2156	100
S6C-32/24	22	30	1 / 2	144	65/80	2516	122
S6C-32/28	26	35	1 / 2	144	65/80	2876	144

Performance Table

PUMP MODEL	MOTOR kW	lps	0	3.33	4.44	5.56	6.67	7.78	8.89	10	11.1	11.94
			m ³ /h	0	12	16	20	24	28	32	36	40
S6C-32/04	3.7	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	39	38	37	36	32	31	28	23	19	15
S6C-32/05	4.5		51	49	48	45	41	38	33	29	22	19
S6C-32/06	5.5		58	56	54	51	48	45	40	35	28	25
S6C-32/08	7.5		81	79	76	72	67	63	54	49	39	32
S6C-32/10	9.3		100	97	95	90	85	78	70	60	50	40
S6C-32/12	11		117	112	110	105	100	92	83	73	59	48
S6C-32/14	13		140	134	131	127	120	113	100	85	67	52
S6C-32/16	15		158	153	147	140	132	123	112	98	80	67
S6C-32/20	18.5		202	198	190	180	170	160	142	125	105	89
S6C-32/24	22		236	230	218	208	195	180	162	141	119	101
S6C-32/28	26		272	268	253	240	227	210	188	164	138	112

NPSHR CURVE



* 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.

** Optional outlet Size.

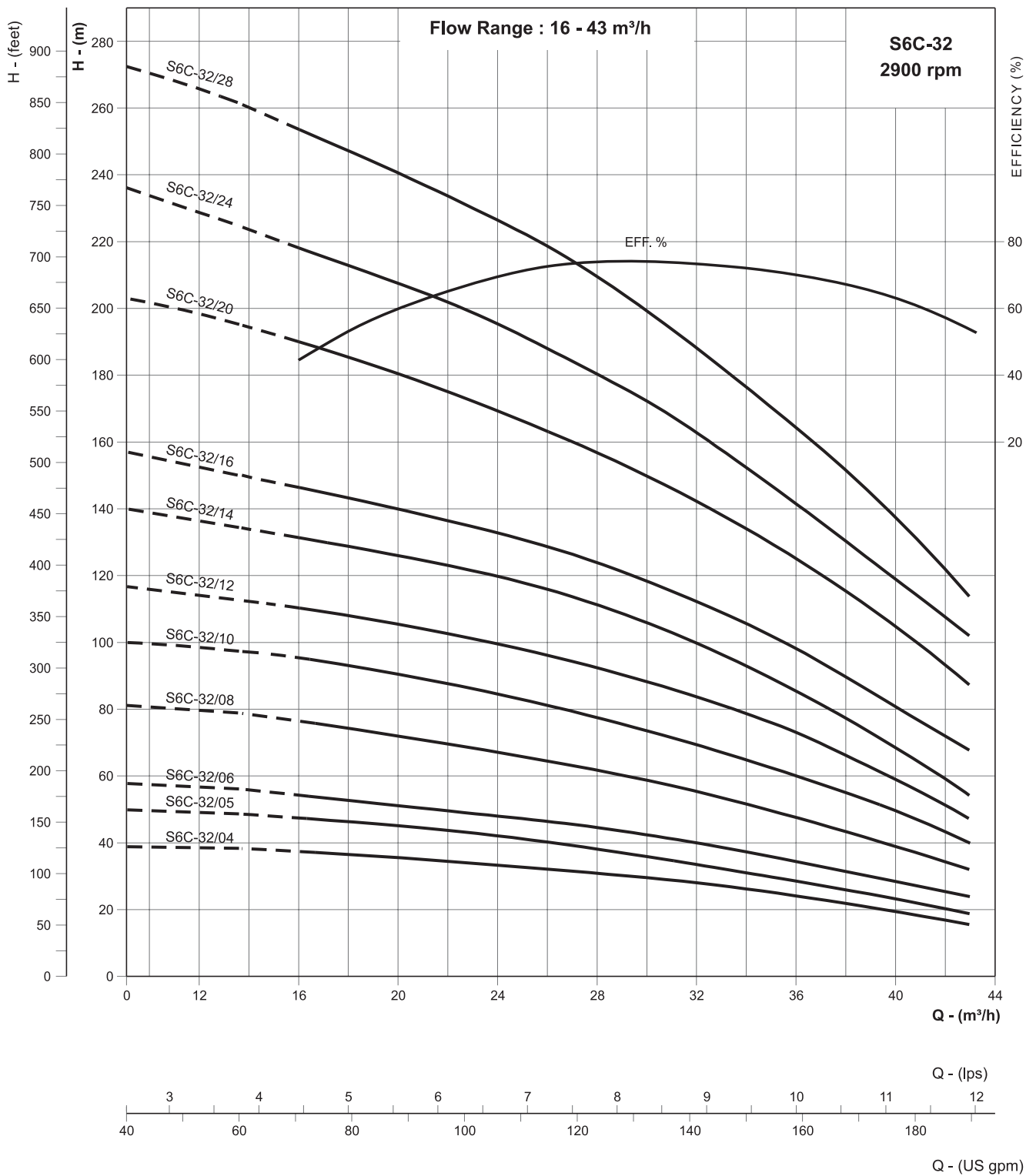
EVERGREEN SERIES

Nominal Diameter : **6"**

Nominal Flow : **32m³/h**

Outlet Size : **2½"/3"*****

Performance Curves



** Optional outlet Size.

Refer General Information for performance curve conditions and for other details.
Curve tolerance according to ISO : 9906, Grade 2B.

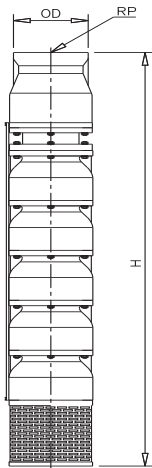
EVERGREEN SERIES

Nominal Diameter : **6"**

Nominal Flow : **38m³/h**

Outlet Size : **3"**

Dimensions & Weight

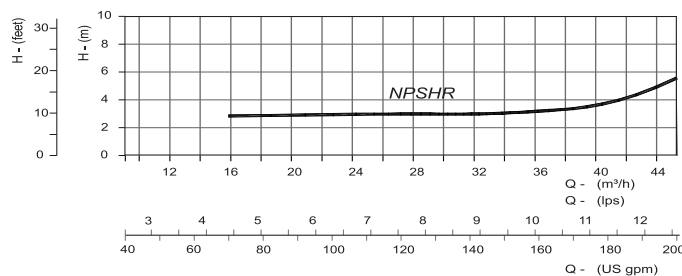


PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		OD	RP	H	
S6C-38/03	3.7	5	1	144	80	666	31
S6C-38/04	4.5	6	1	144	80	766	37
S6C-38/05	5.5	7.5	1 / 2	144	80	866	43
S6C-38/06	7.5	10	1 / 2	144	80	966	49
S6C-38/07	7.5	10	1 / 2	144	80	1066	53
S6C-38/08	9.3	12.5	1 / 2	144	80	1166	59
S6C-38/10	11	15	1 / 2	144	80	1366	70
S6C-38/12	13	17.5	1 / 2	144	80	1566	82
S6C-38/14	15	20	1 / 2	144	80	1766	94
S6C-38/17	18.5	25	1 / 2	144	80	2066	111
S6C-38/20	22	30	1 / 2	144	80	2366	128

Performance Table

PUMP MODEL	MOTOR kW	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	lps	0	4.44	5.56	6.67	7.78	8.89	10.00	11.12	12.32
			m ³ /h	0	16	20	24	28	32	36	40	44
S6C-38/03	3.7		32.5	31	29	26.5	24	21.5	18	14.5	10	
S6C-38/04	4.5		42.5	41.5	39.8	37	34	30	26	21.5	16.5	
S6C-38/05	5.5		53.5	52	50	46	42	37.5	32	26.5	18	
S6C-38/06	7.5		65	61.5	59	55.5	51	45	39.5	32	22	
S6C-38/07	7.5		77	71.5	68	63	58	53	45.5	38	25	
S6C-38/08	9.3		86	82	78	73.5	67.5	61	52.5	43	29	
S6C-38/10	11		106	100.5	95.5	90	83.5	75	63.5	51.5	35	
S6C-38/12	13		126	120	114.5	103.5	101.5	92.5	81.5	64	49	
S6C-38/14	15		147	140	134	126	117	106	94	79	56	
S6C-38/17	18.5		174	164	156.5	148	138.5	126	113	95.5	70	
S6C-38/20	22		210	200	190	178	164	148	130	111	85	

NPSHR CURVE



* 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.

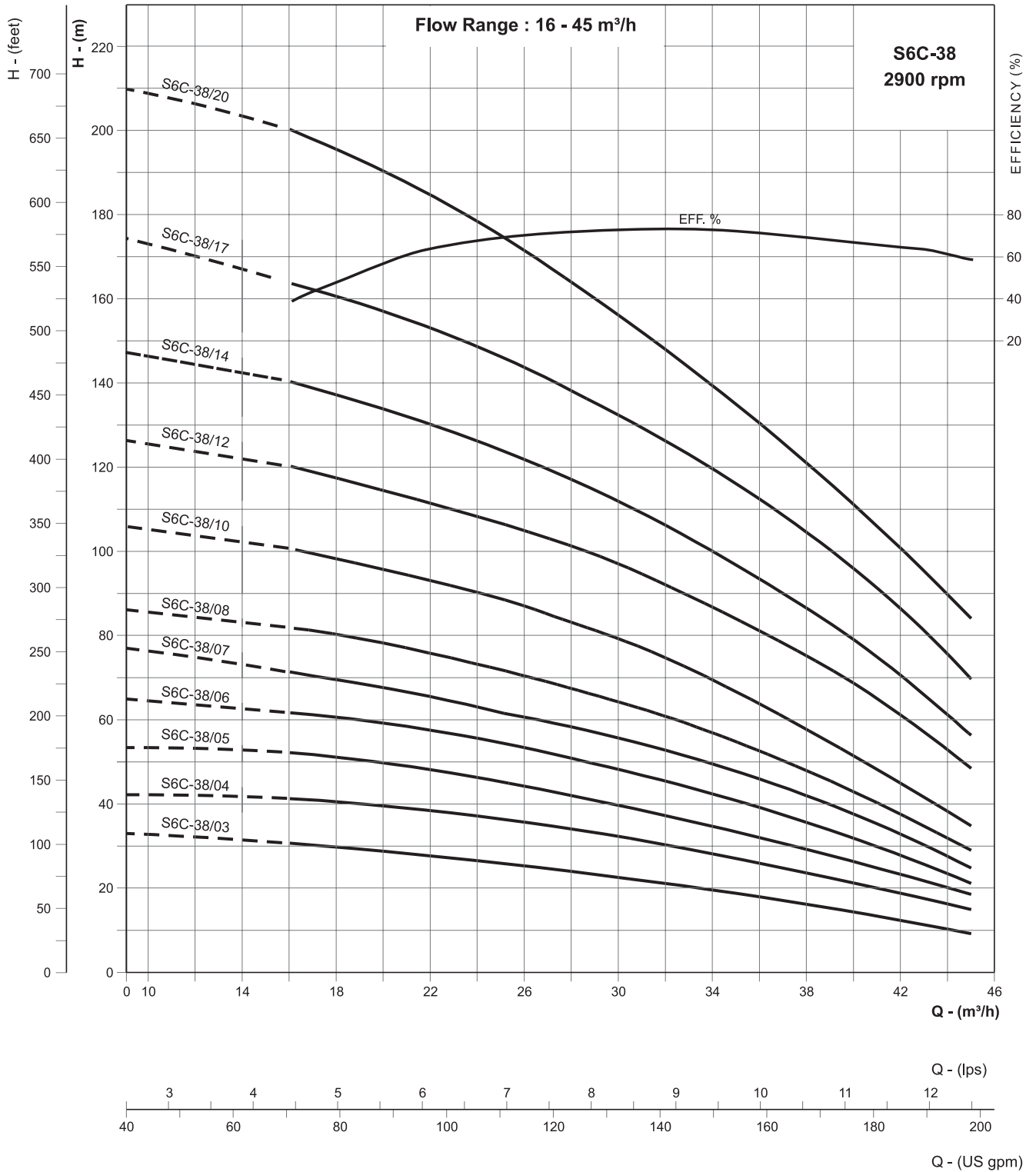
EVERGREEN SERIES

Nominal Diameter : **6"**

Nominal Flow : **38m³/h**

Outlet Size : **3"**

Performance Curves



Refer General Information for performance curve conditions and for other details.
Curve tolerance according to ISO : 9906, Grade 2B.

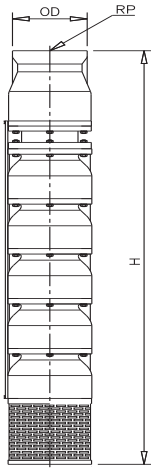
EVERGREEN SERIES

Nominal Diameter : **6"**

Nominal Flow : **46m³/h**

Outlet Size : **3"/4"*****

Dimensions & Weight

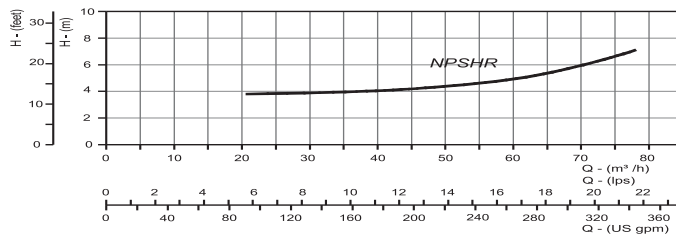


PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		OD	RP	H	
S6C-46/03	4.5	6	1	144	80/100	698	35
S6C-46/04	5.5	7.5	1 / 2	144	80/100	808	39
S6C-46/05	7.5	10	1 / 2	144	80/100	918	43
S6C-46/06	9.3	12.5	1 / 2	144	80/100	1028	47
S6C-46/08	11	15	1 / 2	144	80/100	1248	56
S6C-46/10	15	20	1 / 2	144	80/100	1468	65
S6C-46/12	18.5	25	1 / 2	144	80/100	1688	74
S6C-46/15	22	30	1 / 2	144	80/100	2018	88

Performance Table

PUMP MODEL	MOTOR kW	lps	0	6.94	8.34	11.12	13.90	16.68	19.46
			m ³ /h	0	25	30	40	50	60
S6C-46/03	4.5	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	35	29	27.5	24.8	20.5	14.8	7.5
S6C-46/04	5.5		43	37	36	32.5	28	20	11
S6C-46/05	7.5		55	47	46	41.5	35	25.5	14
S6C-46/06	9.3		65	58	56	51.5	43.5	32.5	18
S6C-46/08	11		82	73	70	63.5	55	42	24.5
S6C-46/10	15		106	97	93.5	86	73.5	58.5	37
S6C-46/12	18.5		126	114	111.5	103	92	74	48.5
S6C-46/15	22		157	144	138.5	127	113.5	95	71

NPSHR CURVE



* 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.

** Optional outlet Size.

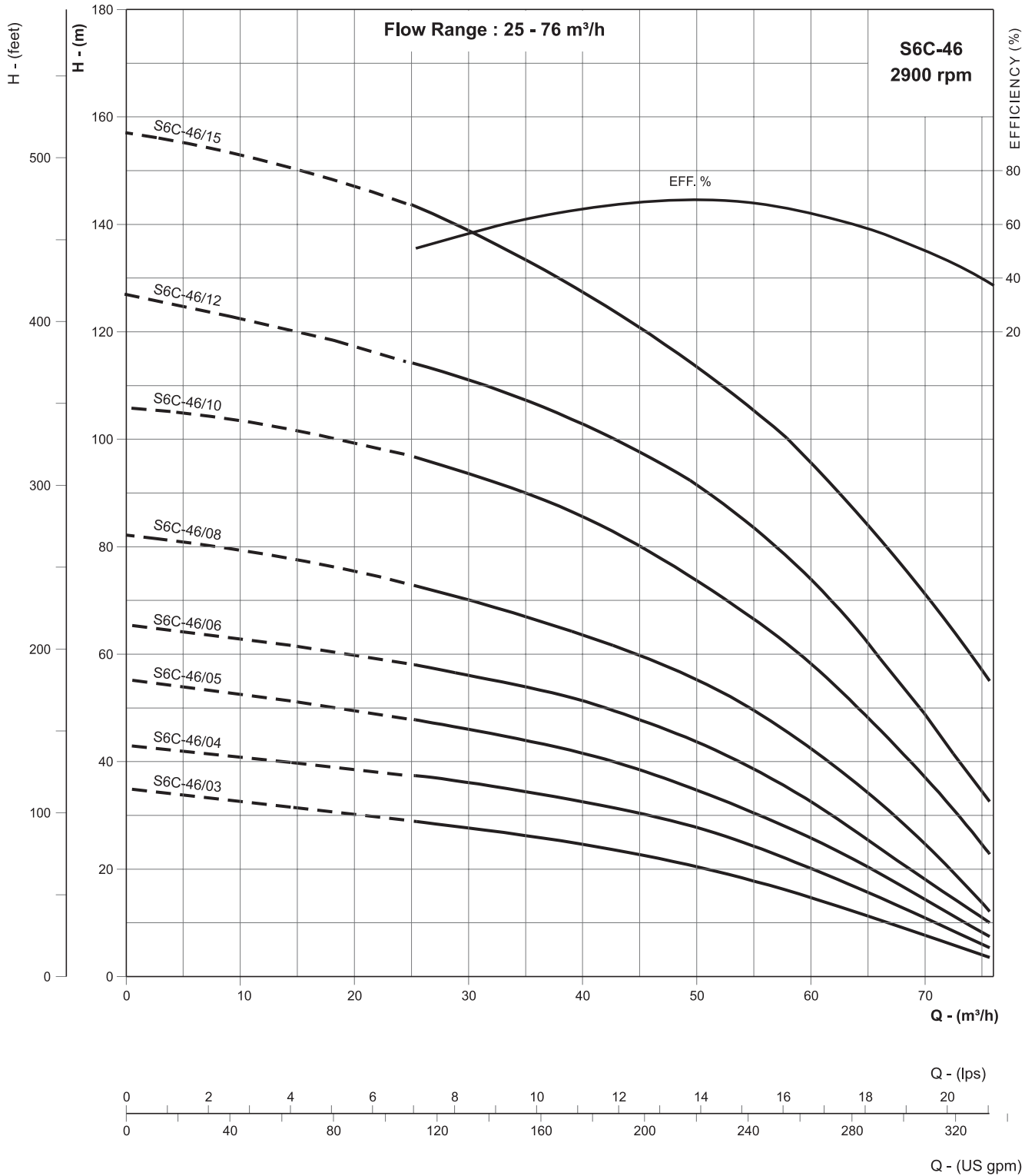
EVERGREEN SERIES

Nominal Diameter : **6"**

Nominal Flow : **46m³/h**

Outlet Size : **3"/4"*****

Performance Curves



** Optional outlet Size.

Refer General Information for performance curve conditions and for other details.
Curve tolerance according to ISO : 9906, Grade 2B.

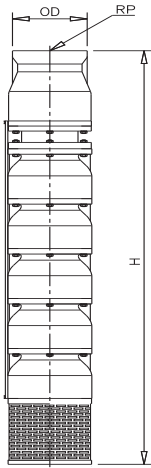
EVERGREEN SERIES

Nominal Diameter : **6"**

Nominal Flow : **60m³/h**

Outlet Size : **3"/4"*****

Dimensions & Weight

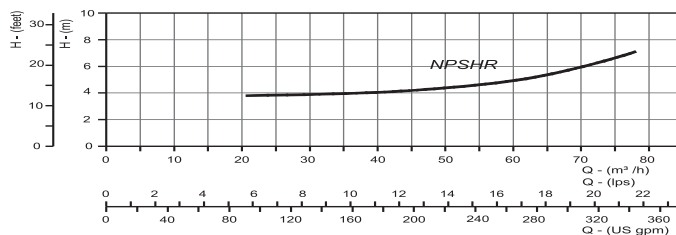


PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		OD	RP	H	
S6C-60/03	5.5	7.5	1 / 2	144	80/100	698	35
S6C-60/04	7.5	10	1 / 2	144	80/100	808	40
S6C-60/05	9.3	12.5	1 / 2	144	80/100	918	46
S6C-60/06	11	15	1 / 2	144	80/100	1028	51
S6C-60/07	13	17.5	1 / 2	144	80/100	1138	57
S6C-60/08	15	20	1 / 2	144	80/100	1248	63
S6C-60/10	18.5	25	1 / 2	144	80/100	1468	74
S6C-60/12	22	30	1 / 2	144	80/100	1688	87
S6C-60/14	26	35	1 / 2	144	80/100	1908	101

Performance Table

PUMP MODEL	MOTOR kW	Total Manometric Head in Metres - (Column Water)	lps	0	5.56	8.34	11.12	13.90	16.68	19.46	23.01
			m ³ /h	0	20	30	40	50	60	70	83
S6C-60/03	5.5		40	35.5	31.5	27	22.5	18	12	3.5	
S6C-60/04	7.5		54	46.5	40.5	34.5	29	24.8	16	5	
S6C-60/05	9.3		67	59	52	44	38	31.5	22	7.5	
S6C-60/06	11		79	68	59	52	45	36	25	11	
S6C-60/07	13		93	82	74.5	65	57	45	31	16	
S6C-60/08	15		107	94.5	84.8	74.5	66	54.8	39.8	18	
S6C-60/10	18.5		134	117	106	92.5	82.5	69.8	51.5	21	
S6C-60/12	22		158	140	127.5	111.5	97.5	83.5	64	29	
S6C-60/14	26		178	159	146	127	112	96	74	35	

NPSHR CURVE



* 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.

** Optional outlet Size.

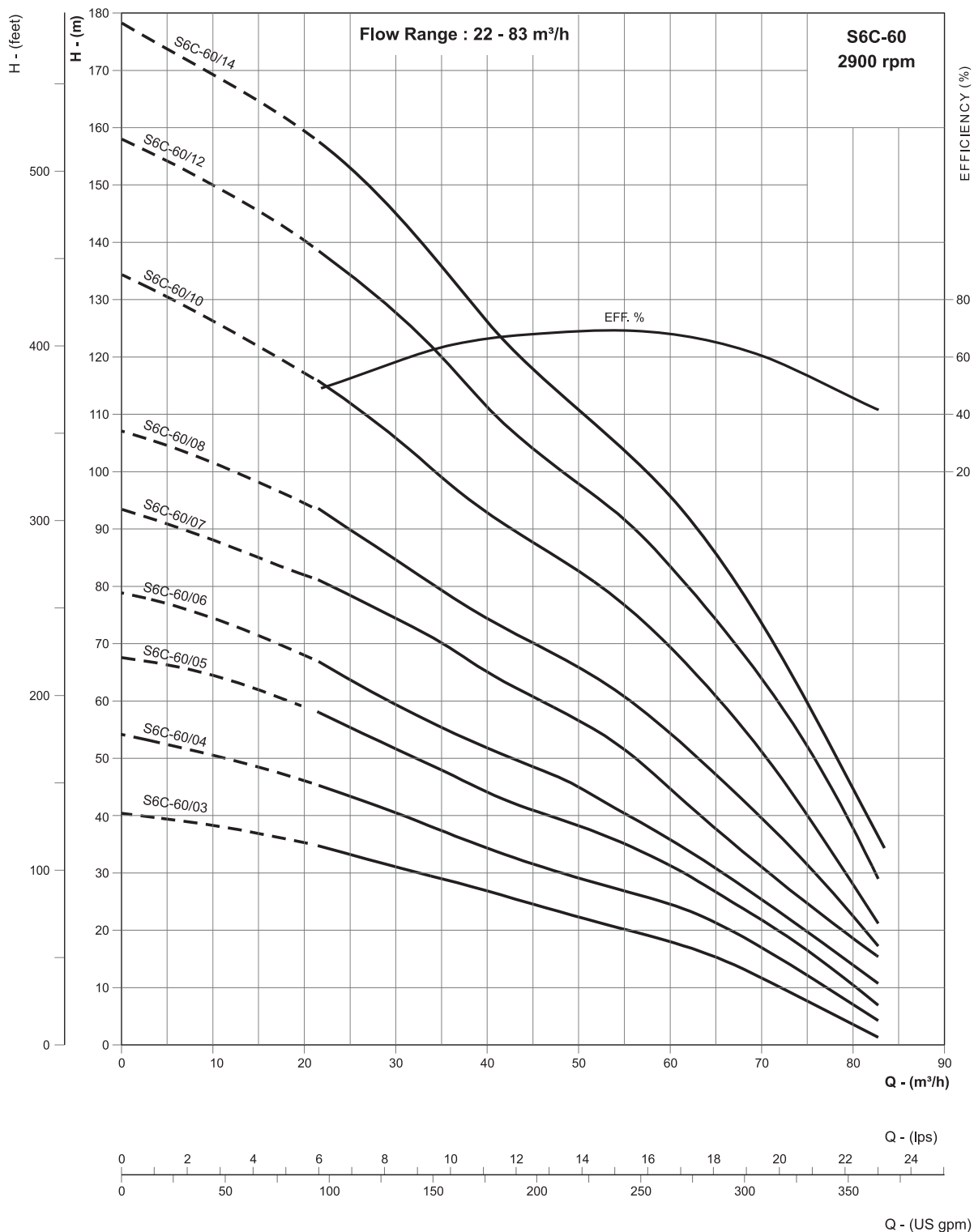
EVERGREEN SERIES

Nominal Diameter : **6"**

Nominal Flow : **60m³/h**

Outlet Size : **3"/4"*****

Performance Curves



** Optional outlet Size.

Refer General Information for performance curve conditions and for other details.
Curve tolerance according to ISO : 9906, Grade 2B.

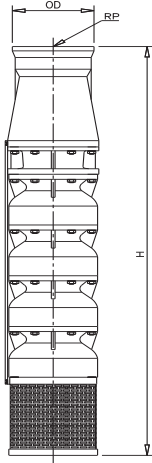
EVERGREEN SERIES

Nominal Diameter : **8"**

Nominal Flow : **50m³/h**

Outlet Size : **3"/4"*****

Dimensions & Weight

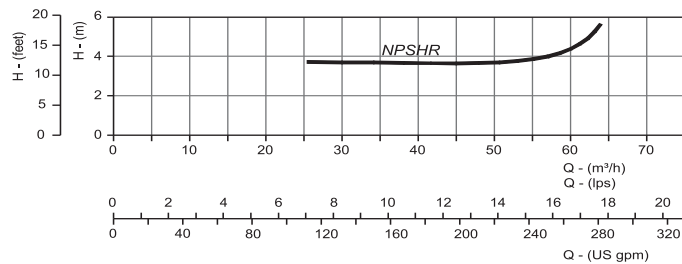


PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		OD	RP	H	
S8C-50/03	7.5	10	1 / 2	195	80/100	920	81
S8C-50/04	9.3	12.5	1 / 2	195	80/100	1050	93
S8C-50/05	11	15	1 / 2	195	80/100	1180	105
S8C-50/06	15	20	1 / 2	195	80/100	1310	117
S8C-50/08	18.5	25	1 / 2	195	80/100	1570	141
S8C-50/10	22	30	1 / 2	195	80/100	1830	165
S8C-50/11	30	40	1 / 2	195	80/100	1960	184
S8C-50/13	37	50	1 / 2	195	80/100	2230	209
S8C-50/14	37	50	1 / 2	195	80/100	2350	221

Performance Table

PUMP MODEL	MOTOR kW	lps	0	8.3	11.1	13.9	16.7	17.77
			m ³ /h	0	30	40	50	60
S8C-50/03	7.5	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	55	48	45	40	32	29
S8C-50/04	9.3		70	58	54	48	41	37
S8C-50/05	11		91	75	68	59	48	44
S8C-50/06	15		106	83	76	64	51	47
S8C-50/08	18.5		145	113	102	87	72	64
S8C-50/10	22		170	142	128	111	90	82
S8C-50/11	30		187	154	138	118	93	83
S8C-50/13	37		228	192	172	146	109	93
S8C-50/14	37		252	210	188	160	119	97

NPSHR CURVE



* 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.

** Optional outlet Size.

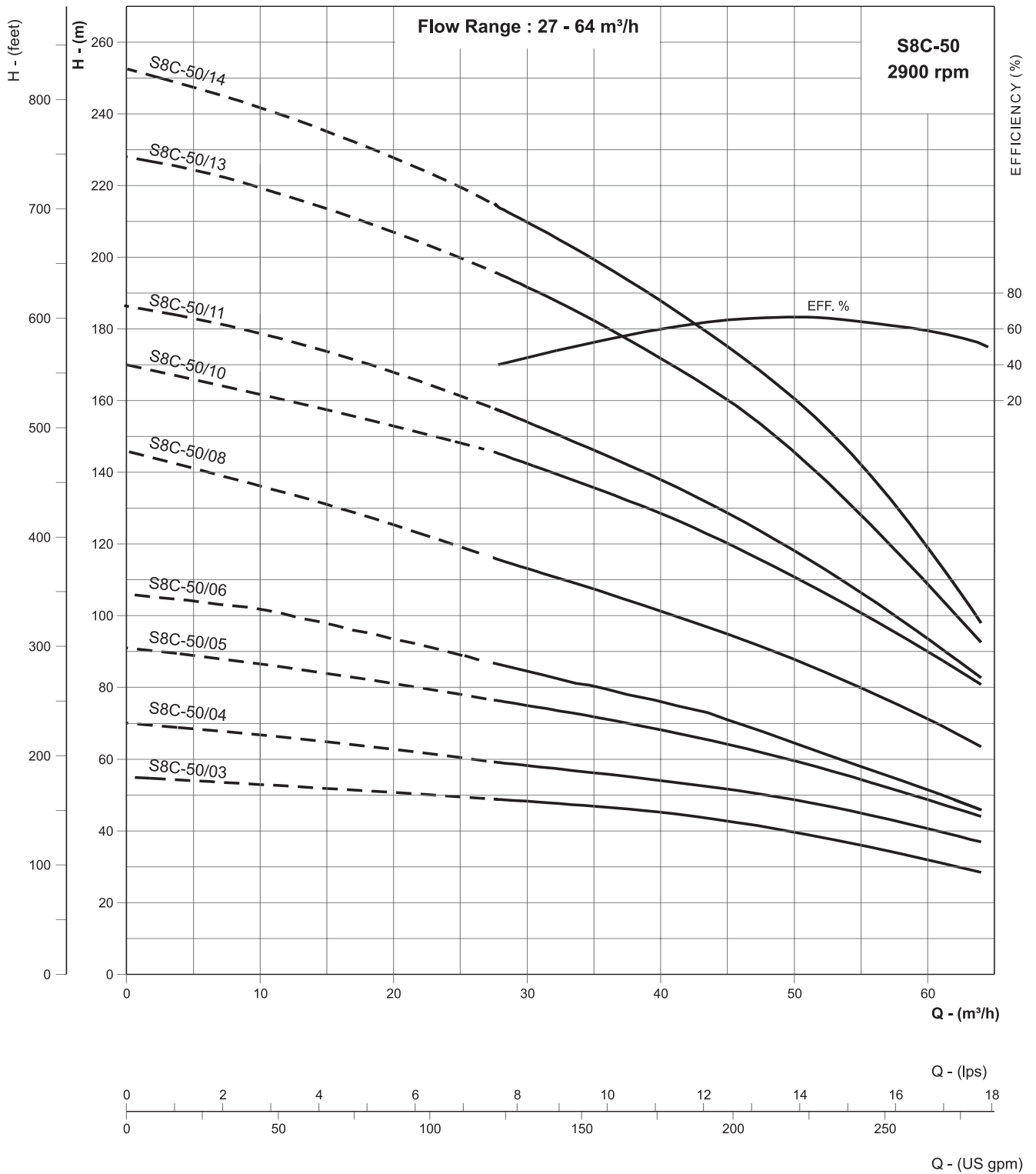
EVERGREEN SERIES

Nominal Diameter : **8"**

Nominal Flow : **50m³/h**

Outlet Size : **3"/4"*****

Performance Curves



** Optional outlet Size.

Refer General Information for performance curve conditions and for other details.
Curve tolerance according to ISO : 9906, Grade 2B.

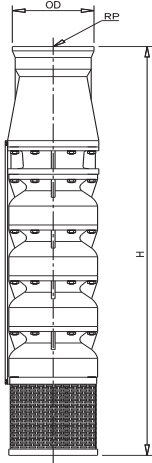
EVERGREEN SERIES

Nominal Diameter : **8"**

Nominal Flow : **60m³/h**

Outlet Size : **3"/4"*****

Dimensions & Weight

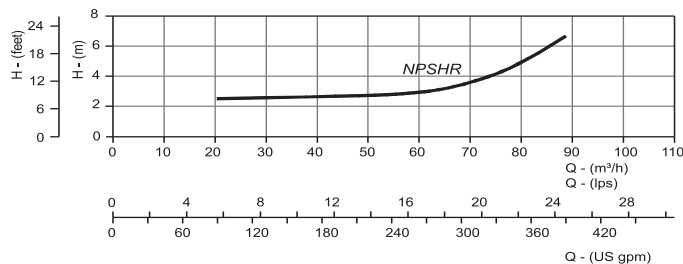


PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		OD	RP	H	
S8C-60/02	5.5	7.5	1 / 2	195	80/100	790	69
S8C-60/03	9.3	12.5	1 / 2	195	80/100	920	81
S8C-60/04	11	15	1 / 2	195	80/100	1050	93
S8C-60/04	13	17.5	1 / 2	195	80/100	1050	93
S8C-60/05	15	20	1 / 2	195	80/100	1180	105
S8C-60/06	18.5	25	1 / 2	195	80/100	1310	130
S8C-60/07	22	30	1 / 2	195	80/100	1440	135
S8C-60/08	26	35	1 / 2	195	80/100	1440	135
S8C-60/08	30	40	1 / 2	195	80/100	1570	147
S8C-60/10	37	50	1 / 2	195	80/100	1830	172
S8C-60/12	37	50	1 / 2	195	80/100	2090	197

Performance Table

PUMP MODEL	MOTOR kW	ips	0	5.5	8.3	11.1	13.9	16.7	19.5	22.2
			m ³ /h	0	20	30	40	50	60	70
S8C-60/02	5.5	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	37	35	33	32	28	27	23	18
S8C-60/03	9.3		57	54	51	47	43	38	32	24
S8C-60/04	11		77	68	65	61	55	48	38	28
S8C-60/04	13		81	75	70	65	58	52	42	30
S8C-60/05	15		98	91	86	79	73	64	55	44
S8C-60/06	18.5		104	97	95	89	83	74	63	51
S8C-60/07	22		128	116	109	103	96	86	73	58
S8C-60/08	26		143	130	123	116	107	97	85	71
S8C-60/08	30		156	141	134	127	118	107	94	77
S8C-60/10	37		205	187	179	168	155	137	114	88
S8C-60/12	37		218	196	186	175	161	142	119	93

NPSHR CURVE



* 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.

** Optional outlet Size.

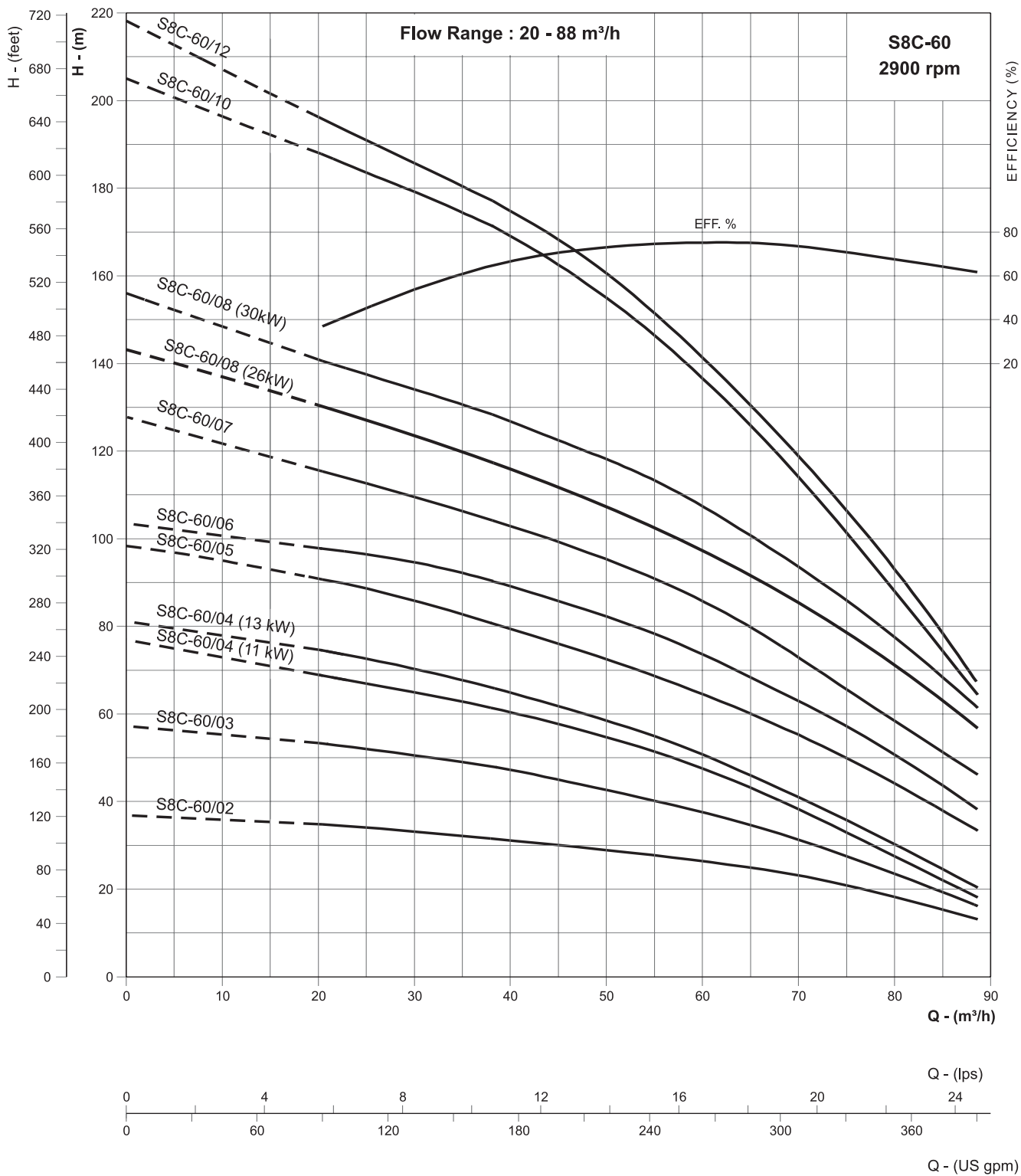
EVERGREEN SERIES

Nominal Diameter : **8"**

Nominal Flow : **60m³/h**

Outlet Size : **3"/4"*****

Performance Curves



** Optional outlet Size.

Refer General Information for performance curve conditions and for other details.
Curve tolerance according to ISO : 9906, Grade 2B.

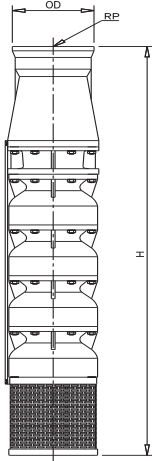
EVERGREEN SERIES

Nominal Diameter : **8"**

Nominal Flow : **68m³/h**

Outlet Size : **3"/4"*****

Dimensions & Weight

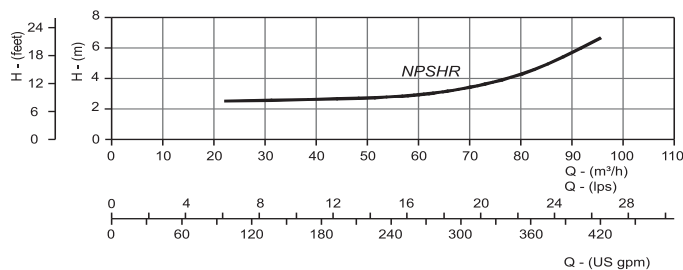


PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		OD	RP	H	
S8C-68/02	7.5	10	1 / 2	195	80/100	790	69
S8C-68/03	11	15	1 / 2	195	80/100	920	81
S8C-68/04	15	20	1 / 2	195	80/100	1050	93
S8C-68/05	18.5	25	1 / 2	195	80/100	1180	105
S8C-68/06	22	30	1 / 2	195	80/100	1310	130
S8C-68/08	30	40	1 / 2	195	80/100	1570	147
S8C-68/10	37	50	1 / 2	195	80/100	1830	172
S8C-68/15	55	75	1 / 2	195	80/100	2480	234
S8C-68/20	75	100	1 / 2	195	80/100	3130	296

Performance Table

PUMP MODEL	MOTOR kW	lps	0	8.3	11.1	13.9	16.7	19.5	22.2	25.0
			m ³ /h	0	30	40	50	60	70	80
S8C-68/02	7.5	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	40	35	33	30	27	25	20	17
S8C-68/03	11		61	53	50	48	44	38	31	19
S8C-68/04	15		82	72	68	64	58	50	40	23
S8C-68/05	18.5		100	90	87	80	72	63	52	34
S8C-68/06	22		120	108	101	94	85	75	65	50
S8C-68/08	30		147.5	147	138	129	118	105	89	65
S8C-68/10	37		197.5	177	168	157	142	128	112	88
S8C-68/15	55		285	255	241	225	207	187	165	130
S8C-68/20	75		375	332	315	298	278	258	236	200

NPSHR CURVE



* 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.

** Optional outlet Size.

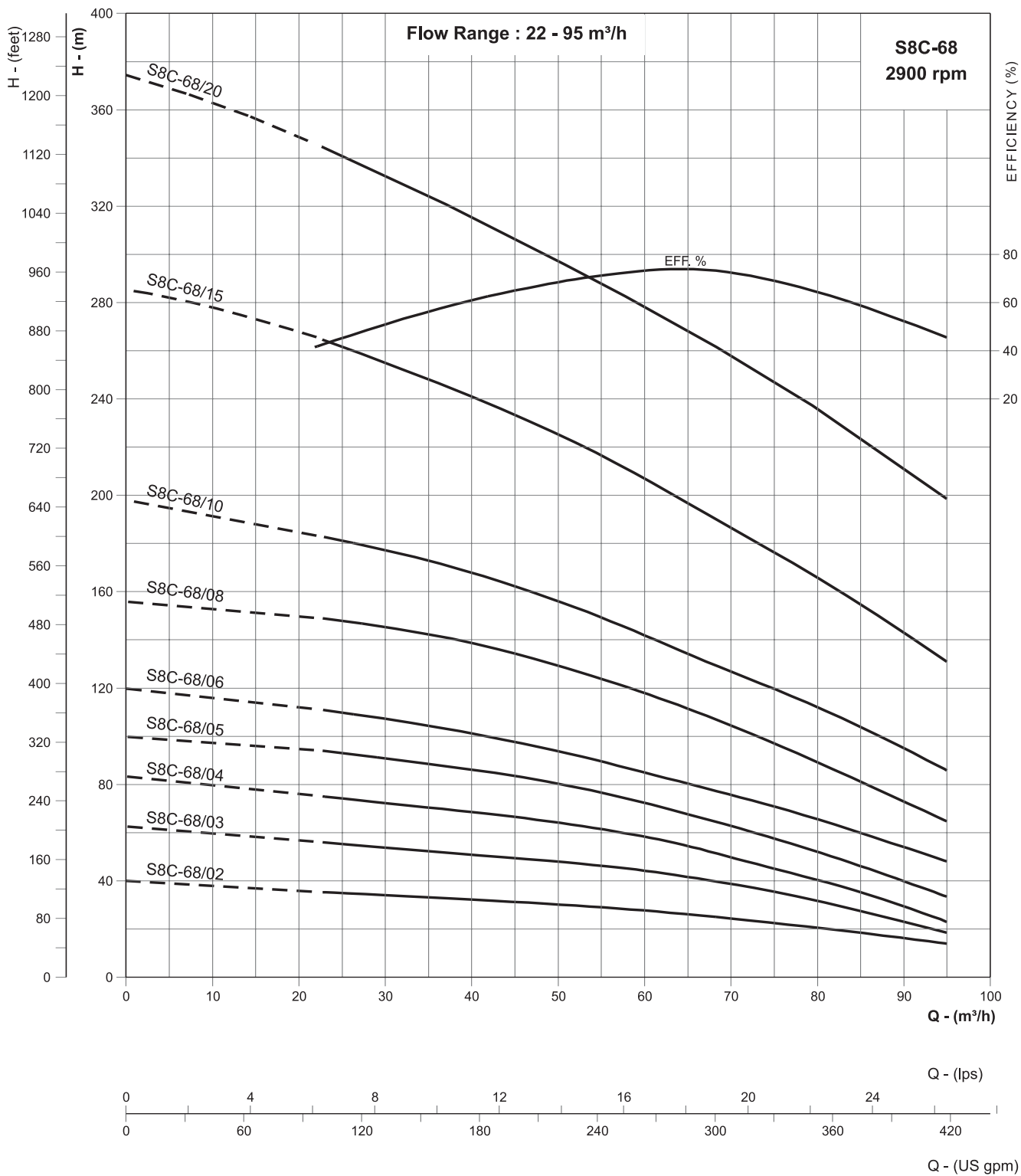
EVERGREEN SERIES

Nominal Diameter : **8"**

Nominal Flow : **68m³/h**

Outlet Size : **3"/4"*****

Performance Curves



** Optional outlet Size.

Refer General Information for performance curve conditions and for other details.
Curve tolerance according to ISO : 9906, Grade 2B.

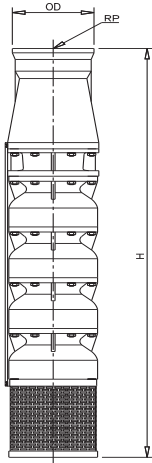
EVERGREEN SERIES

Nominal Diameter : **8"**

Nominal Flow : **80m³/h**

Outlet Size : **4"/5"*****

Dimensions & Weight

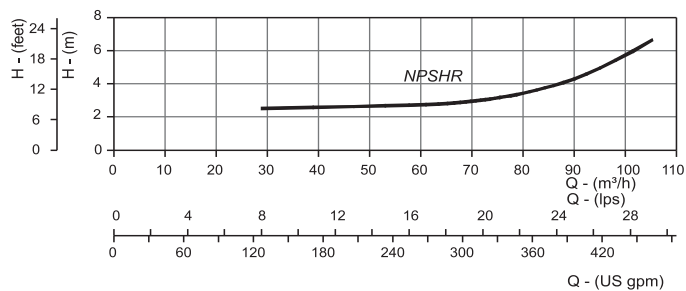


PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		OD	RP	H	
S8C-80/05	22	30	1 / 2	195	100/125	1180	105
S8C-80/07	30	40	1 / 2	195	100/125	1440	135
S8C-80/08	37	50	1 / 2	195	100/125	1570	147
S8C-80/10	45	60	1 / 2	195	100/125	1830	171
S8C-80/12	55	75	1 / 2	195	100/125	2090	197
S8C-80/17	75	100	1 / 2	195	100/125	2350	259

Performance Table

PUMP MODEL	MOTOR kW	lps	0	8.3	11.1	13.9	16.7	19.5	22.2	25.0	27.8
			m ³ /h	0	30	40	50	60	70	80	90
S8C-80/05	22	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	87	83	81	78	75	71	65	58	47
S8C-80/07	30		136	128	125	122	115	107	97	85	71
S8C-80/08	37		162	154	150	147	140	132	121	109	96
S8C-80/10	45		188	178	171	164	157	148	137	126	113
S8C-80/12	55		222	205	198	191	183	175	166	156	144
S8C-80/17	75		320	299	289	278	267	256	240	227	210

NPSHR CURVE



* 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.

** Optional outlet Size.

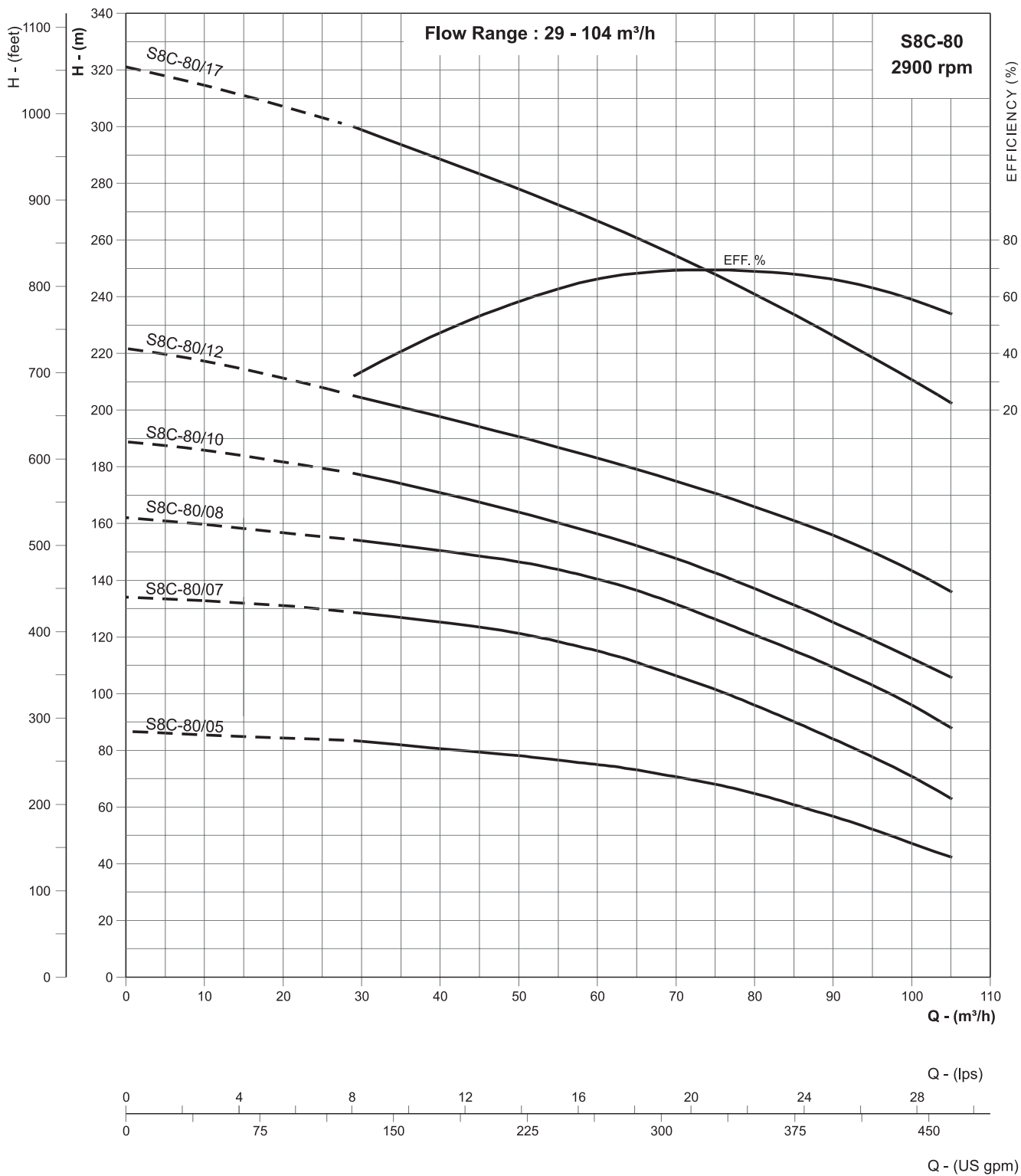
EVERGREEN SERIES

Nominal Diameter : **8"**

Nominal Flow : **80m³/h**

Outlet Size : **4"/5"*****

Performance Curves



** Optional outlet Size.

Refer General Information for performance curve conditions and for other details.
Curve tolerance according to ISO : 9906, Grade 2B.

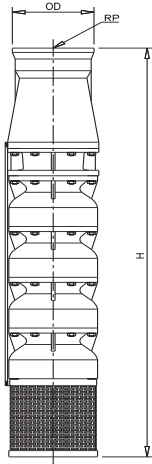
EVERGREEN SERIES

Nominal Diameter : **8"**

Nominal Flow : **90m³/h**

Outlet Size : **4"/5"*****

Dimensions & Weight

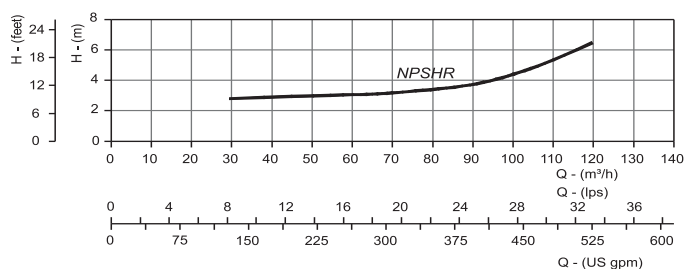


PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		OD	RP	H	
S8C-90/01	5.5	7.5	1 / 2	195	100/125	660	66
S8C-90/02	9.3	12.5	1 / 2	195	100/125	790	69
S8C-90/02	11	15	1 / 2	195	100/125	790	69
S8C-90/03	15	20	1 / 2	195	100/125	920	81
S8C-90/03	18.5	25	1 / 2	195	100/125	920	81
S8C-90/04	18.5	25	1 / 2	195	100/125	1050	93
S8C-90/04	22	30	1 / 2	195	100/125	1050	93
S8C-90/05	26	35	1 / 2	195	100/125	1180	105
S8C-90/05	30	40	1 / 2	195	100/125	1180	105
S8C-90/06	37	50	1 / 2	195	100/125	1310	130
S8C-90/08	45	60	1 / 2	195	100/125	1570	147
S8C-90/10	55	75	1 / 2	195	100/125	1830	172
S8C-90/13	75	100	1 / 2	195	100/125	2220	209
S8C-90/17	93	125	1 / 2	195	100/125	2740	259

Performance Table

PUMP MODEL	MOTOR kW	lps	0	8.3	11.1	13.9	16.7	19.5	22.2	25.0	27.8
		m ³ /h	0	30	40	50	60	70	80	100	120
S8C-90/01	5.5	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	20	19	18.5	18	17.5	16	15	11	6
S8C-90/02	9.3		40	37	36	35	34	32	29	20	11
S8C-90/02	11		46	41	40	39	38	36	35	28	16
S8C-90/03	15		59	56	54	53	51	49	45	35	20
S8C-90/03	18.5		61	58	57.5	55	53	51	49	38	23
S8C-90/04	18.5		75.5	70	68	66	64	60	56	44	30
S8C-90/04	22		80	75	73	71	70	68	62	49	34
S8C-90/05	26		92	88	87	85	83	80	75	61	38
S8C-90/05	30		102	98	96	94	92	89	85	70	46
S8C-90/06	37		114	109	107	105	103	100	95	80	57
S8C-90/08	45		156.5	150	147	143	138	132	128	110	84
S8C-90/10	55		174.5	185	181	176	171	164	158	140	119
S8C-90/13	75		250	240	235	230	225	218	208	197	164
S8C-90/17	93		324	312	306	299	291	282	272	249	224

NPSHR CURVE



* 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.

** Optional outlet Size.

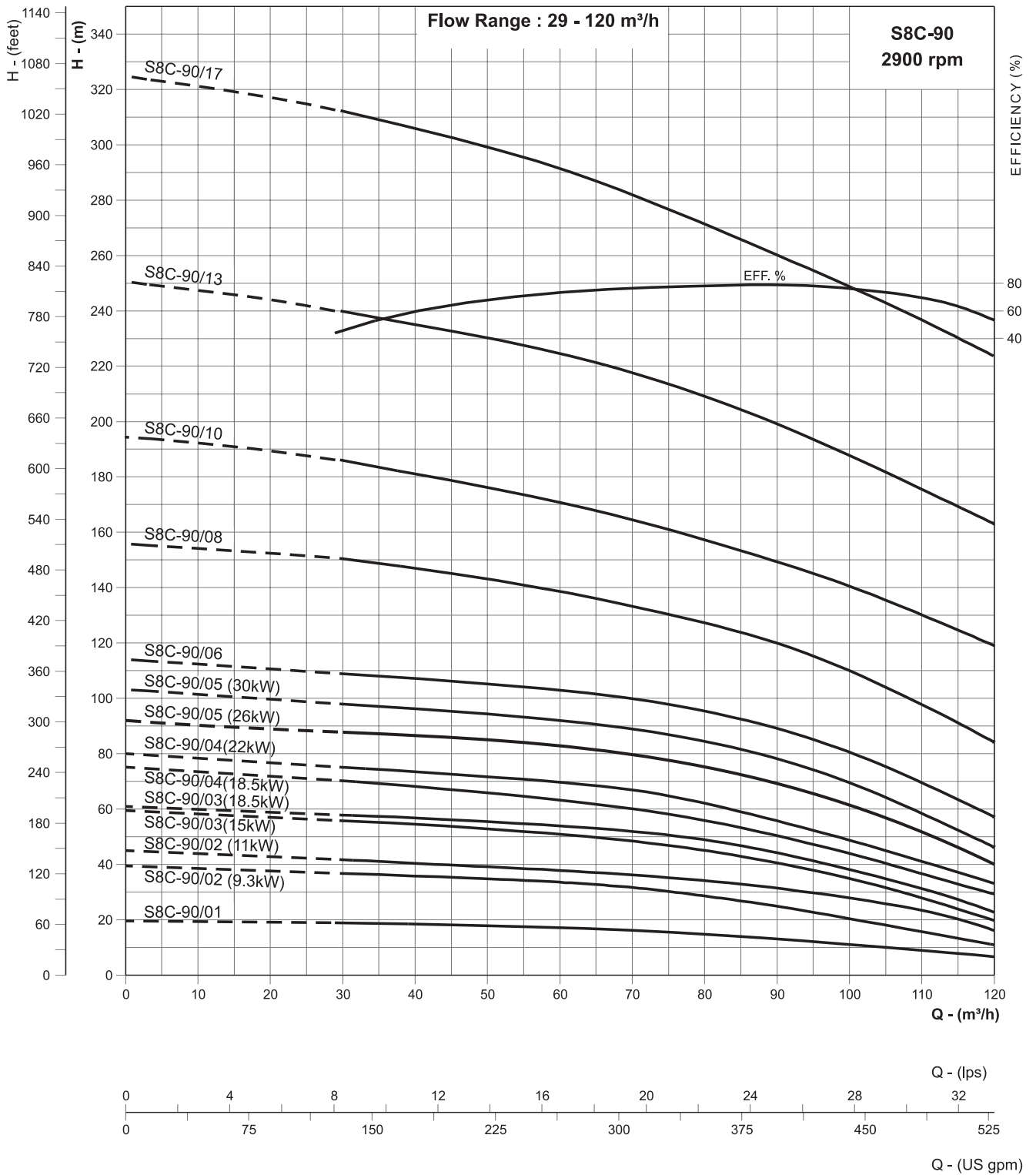
EVERGREEN SERIES

Nominal Diameter : **8"**

Nominal Flow : **90m³/h**

Outlet Size : **4"/5"*****

Performance Curves



** Optional outlet Size.

Refer General Information for performance curve conditions and for other details.
Curve tolerance according to ISO : 9906, Grade 2B.

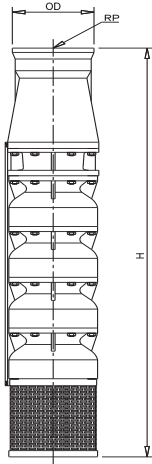
EVERGREEN SERIES

Nominal Diameter : **8"**

Nominal Flow : **100m³/h**

Outlet Size : **5"/6"*****

Dimensions & Weight

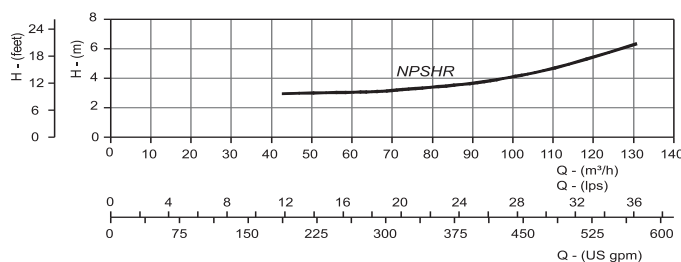


PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		OD	RP	H	
S8C-100/01	7.5	10	1 / 2	195	125/150	660	90
S8C-100/02	15	20	1 / 2	195	125/150	790	99
S8C-100/03	22	30	1 / 2	195	125/150	920	106
S8C-100/04	30	40	1 / 2	195	125/150	1050	114
S8C-100/05	37	50	1 / 2	195	125/150	1180	122
S8C-100/06	45	60	1 / 2	195	125/150	1310	130
S8C-100/08	55	75	1 / 2	195	125/150	1570	147
S8C-100/10	75	100	1 / 2	195	125/150	1830	172
S8C-100/12	93	125	1 / 2	195	125/150	2090	197

Performance Table

PUMP MODEL	MOTOR KW	lps	0	11.1	13.9	16.7	19.5	25.0	30.6	36.0
			m ³ /h	0	40	50	60	70	90	110
S8C-100/01	7.5	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	21	20.5	20	20	19	16	10	3
S8C-100/02	15		51	47	46	45	43	39	32	15
S8C-100/03	22		74	68	66	65	63	56	45	24
S8C-100/04	30		96	88	86	84	81	73	60	36
S8C-100/05	37		122	112	110	106	103	94	76	49
S8C-100/06	45		140	130	127	125	120	110	96	73
S8C-100/08	55		188	171	166	161	155	142	125	104
S8C-100/10	75		235	218	212	207	201	187	168	142
S8C-100/12	93		280	262	255	250	243	228	209	181

NPSHR CURVE



* 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.

** Optional outlet Size.

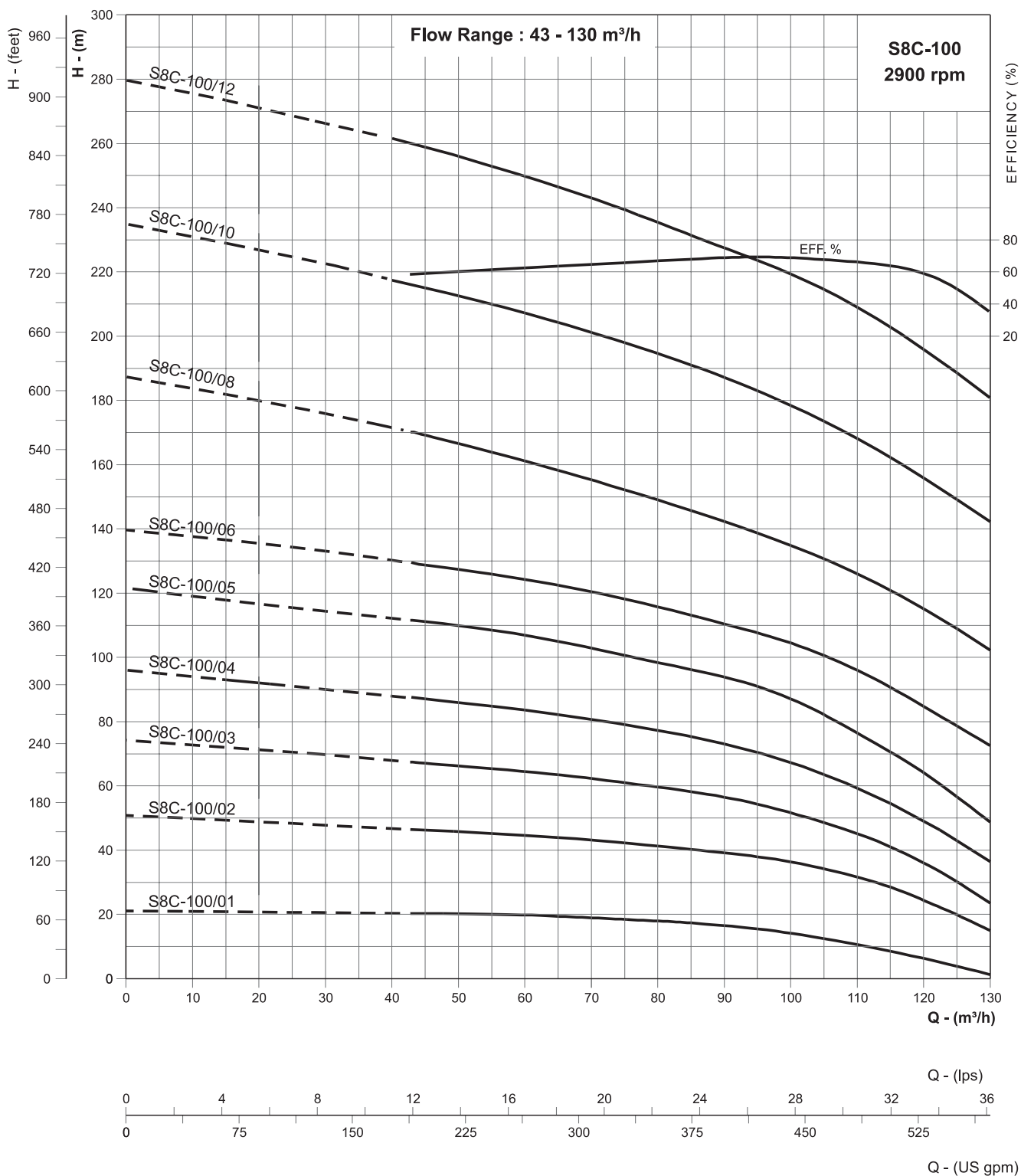
EVERGREEN SERIES

Nominal Diameter : **8"**

Nominal Flow : **100m³/h**

Outlet Size : **5"/6"*****

Performance Curves



** Optional outlet Size.

Refer General Information for performance curve conditions and for other details.

Curve tolerance according to ISO : 9906, Grade 2B.

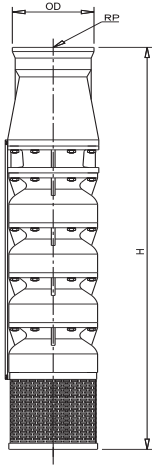
EVERGREEN SERIES

Nominal Diameter : **8"**

Nominal Flow : **125m³/h**

Outlet Size : **5"/6"*****

Dimensions & Weight

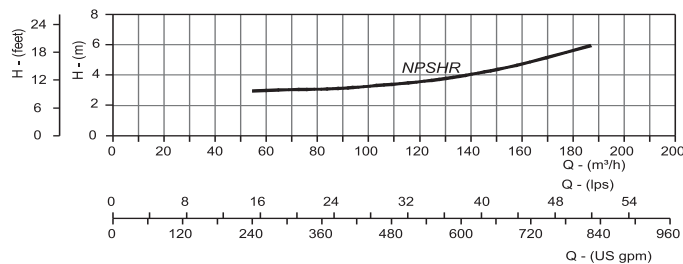


PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	KW	HP		OD	RP	H	
S8C-125/01	9.3	12.5	1 / 2	197	125/150	670	66
S8C-125/02	18.5	25	1 / 2	197	125/150	810	75
S8C-125/03	30	40	1 / 2	197	125/150	950	83
S8C-125/04	37	50	1 / 2	197	125/150	1090	92
S8C-125/05	45	60	1 / 2	197	125/150	1230	100
S8C-125/06	55	75	1 / 2	197	125/150	1370	109
S8C-125/08	75	100	1 / 2	197	125/150	1650	124
S8C-125/10	93	125	1 / 2	197	125/150	1930	143

Performance Table

PUMP MODEL	MOTOR KW	lps	0	16.7	22.2	27.8	33.3	38.9	44.5	50.0
			m ³ /h	0	60	80	100	120	140	160
S8C-125/01	9.3	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	20	19	18	17	15	12	8	4
S8C-125/02	18.5		44	36	34	31	28	26	22	17
S8C-125/03	30		76	66	62	58	53	48	40	32
S8C-125/04	37		102	88	84	79	74	68	59	48
S8C-125/05	45		122	108	103	96	88	81	72	60
S8C-125/06	55		148	133	127	120	113	105	94	80
S8C-125/08	75		194	175	168	160	152	142	130	114
S8C-125/10	93		240	223	213	204	193	180	168	171

NPSHR CURVE



* 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.

** Optional outlet Size.

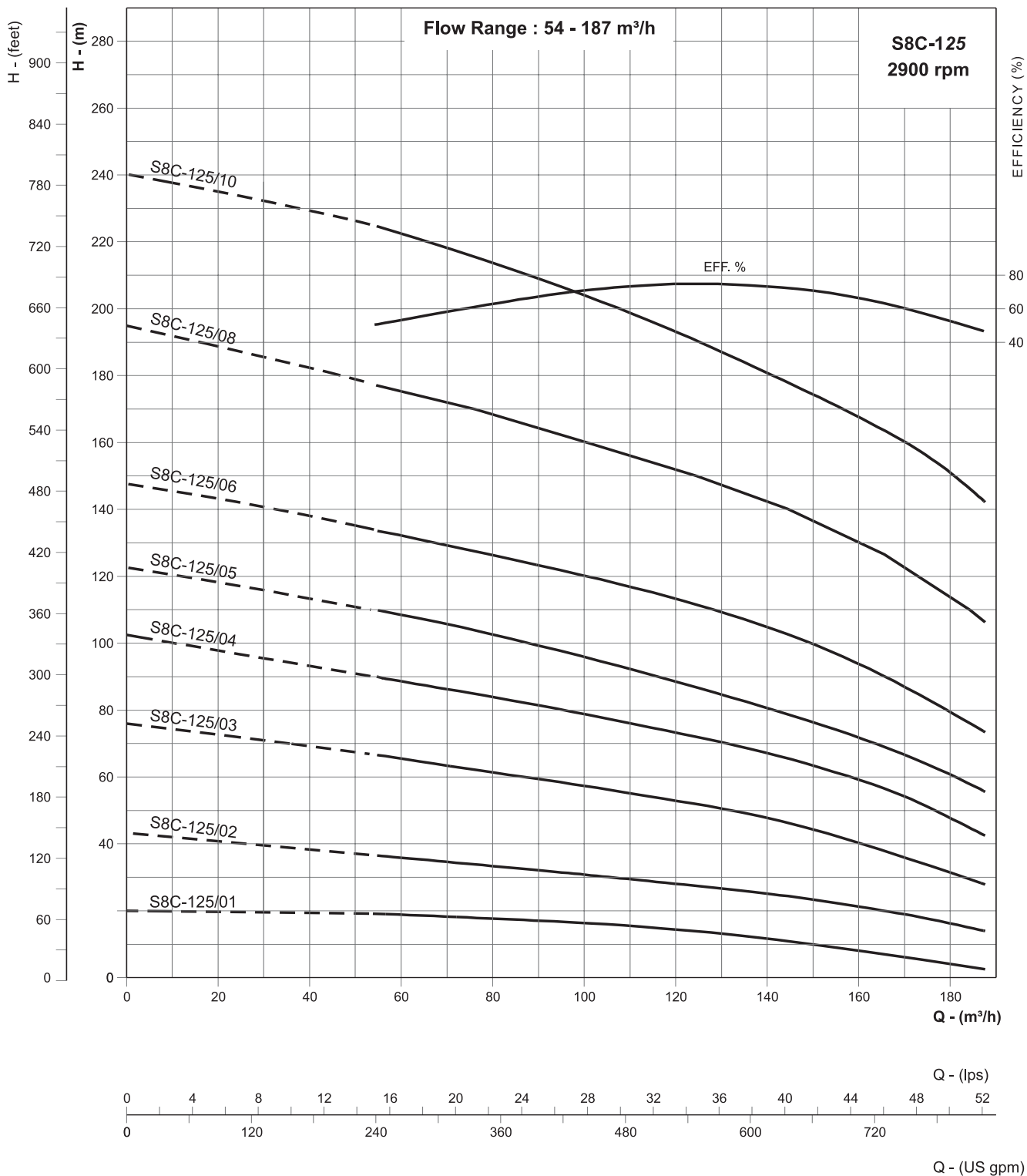
EVERGREEN SERIES

Nominal Diameter : **8"**

Nominal Flow : **125m³/h**

Outlet Size : **5"/6"*****

Performance Curves



** Optional outlet Size.

Refer General Information for performance curve conditions and for other details.
Curve tolerance according to ISO : 9906, Grade 2B.

CONVERSION TABLE

FLOW RATE

litre per second l/s	litre per minute l/min	cubic meter per hour m ³ /h	cubic foot per hour ft ³ /h	cubic foot per minute ft ³ /min	Imp.gallon per minute Imp.gal./min	US gallon per minute US gal./min	Us barrel per day ls barrel/d (Petroleum)
1	60	3.6	127.133	2.1189	13.2	15.85	543.439
0.017	1	0.06	2.1189	0.0353	0.22	0.264	9.057
0.278	16.667	1	35.3147	0.5886	3.666	4.403	150.955
0.008	0.472	0.0283	1	0.0167	0.104	0.125	4.275
0.472	28.317	1.6990	60	1	6.229	7.480	256.475
0.076	4.546	0.2728	9.6326	0.1605	1	1.201	41.175
0.063	3.785	0.2271	8.0209	0.1337	0.833	1	34.286
0.002	0.110	0.0066	0.2339	0.0039	0.024	0.029	1

LIQUID

Cubic meter m ³	litre l	Milli litre ml	Imp. gallon Imp. Gal	US gallon US gal	cubic foot ft ³
1	1000	1 x 10 ⁶	220	264.2	35.3147
0.001	1	1000	0.22	0.2642	0.0353
1 x 10 ⁻³	0.001	1	2.2 X 10 ⁻⁴	2.642 x 10 ⁻⁴	3.53 x 10 ⁻⁵
0.00455	4.546	4546	1	1.201	0.1605
0.00378	3.785	3785	0.8327	1	0.1337
0.0283	28.317	28317	6.2288	7.4805	1

LIQUID HEAD AND PRESSURE

newton per square meter N/m ² (Pa)	kilo pascal kPa	bar	kilogram force per square centimeter KgF/cm ²	pound force per square inch psi	foot for water ft H ₂ O	meter of water m H ₂ O	millimeter of mercury mm Hg	inch of mercury in Hg
1	0.001	1 x 10 ⁻⁵	1.02 x 10 ⁻⁵	1.45 x 10 ⁻⁴	3.35 x 10 ⁻⁴	1.02 x 10 ⁻⁴	0.0075	2.95 x 10 ⁻⁴
1000	1	0.01	0.0102	0.145	0.335	0.102	7.5	0.295
1 x 10 ⁻⁵	100	1	1.02	14.5	33.52	10.2	750.1	29.53
98,067	98.07	0.981	1	14.22	32.81	10	735.6	28.96
6895	6.895	0.069	0.0703	1	2.31	0.703	51.72	2.036
2984	2.984	0.03	0.0305	0.433	1	0.305	22.42	0.882
9789	9.789	0.098	0.1	1.42	3.28	1	73.42	2.891
133.3	0.133	0.0013	0.0014	0.019	0.045	0.014	1	0.039
3386	3.386	0.0338	0.0345	0.491	1.133	0.0345	25.4	1

LENGTH

millimeter mm	centimeter cm	meter m	inch in	foot ft	yard yd
1	0.1	0.001	0.0394	0.0033	0.0011
10	1	0.01	0.3937	0.0328	0.0109
1000	100	1	39.3701	3.2808	1.0936
25.4	2.54	0.0254	1	0.0833	0.0278
304.8	30.48	0.3048	12	1	0.3333
914.4	91.44	0.9144	36	3	1

1 Kilometer = 1000 metres = 0.62137 miles 1 mile = 1609.37 metres = 1.60934 kilometers

MASS

kilogram kg	pound lb	hundred weight (cwt)	tonne t	ton long tn	short ton sh tn
1	2.205	0.0197	0.001	9.84 x 10 ⁻⁴	0.0011
0.454	1	0.0089	4.54 x 10 ⁻⁴	4.46 x 10 ⁻⁴	5.0 x 10 ⁻⁴
50.802	112	1	0.0508	0.05	0.056
1000	2204.6	19.684	1	0.9842	1.1023
1016	2240	20	1.0161	1	1.102
907.2	2000	17.857	0.9072	0.8929	1

TEMPERATURE

To Convert From	To	Use Formula
Temperature Celsius, tc	Temperature Kelvin, tk	K = tc + 273.15
Temperature Fahrenheit, tf	Temperature Kelvin, tk	K = (TF + 459.67 / 1.8)
Temperature Celsius, tc	Temperature Fahrenheit, tf	F = 1.8 tc + 32
Temperature Fahrenheit, tf	Temperature Celsius, tc	C = (TF - 32) / 1.8
Temperature Kelvin, tk	Temperature Celsius, tc	C = tk - 273.15
Temperature Kelvin, tk	Temperature Fahrenheit, tf	F = 1.8tk - 459.67

W I N N I N G W A Y S

When you have a good thing going it is quite in the fitting of things that recognitions come our way. Several prestigious awards, which decorate our shelf, say it all. These rewards not only acknowledge our position as a leader in the water pump industry but also serve as reminders about what the customer expects from a winner. And we, as ever, have our ears perfectly tuned to customer expectations.



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