



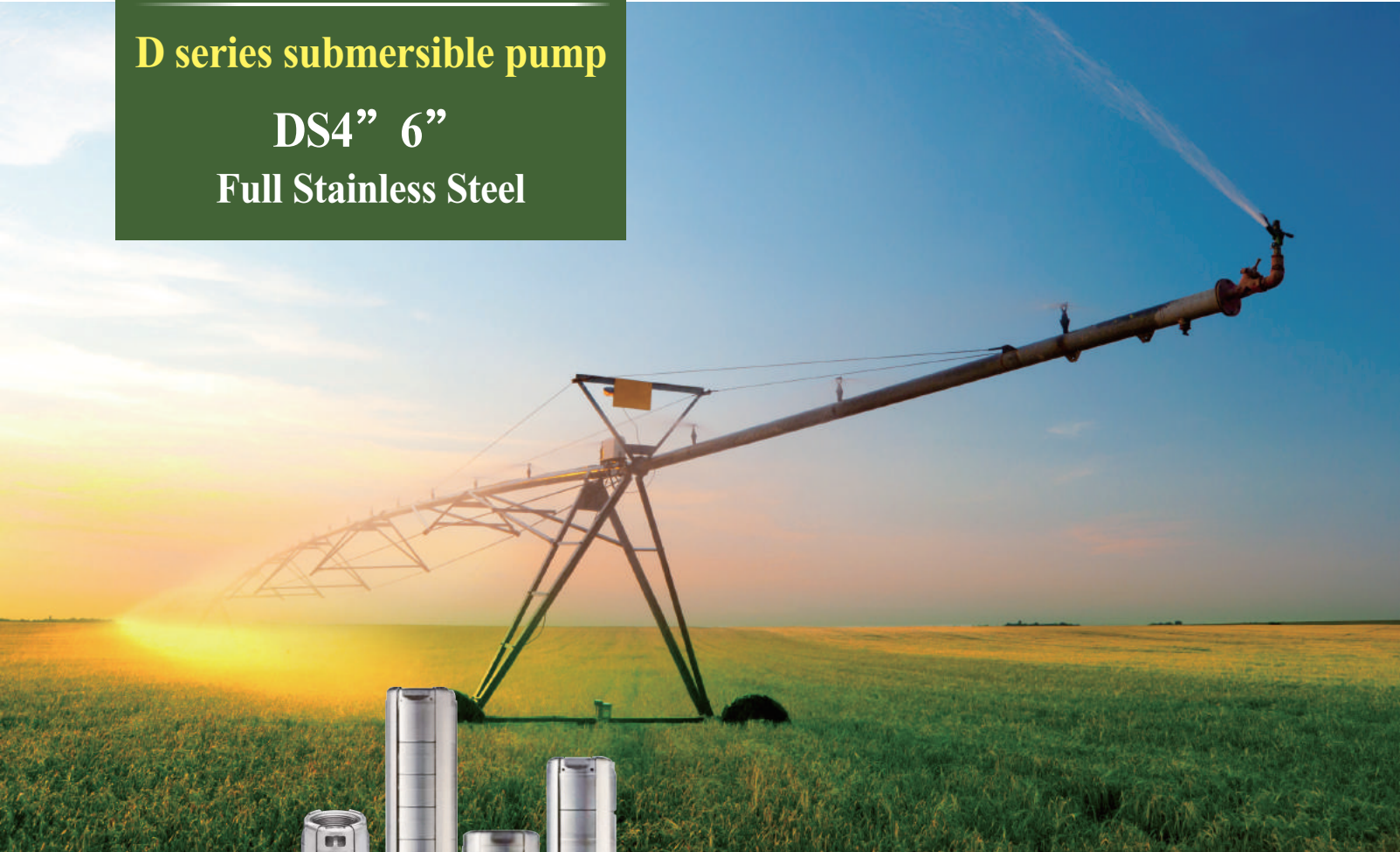
PumpMate™

*Life depends on the  
beliefs we upgrade*

**D series submersible pump**

**DS4" 6"**

**Full Stainless Steel**



**60 Hz**

**DS002 1220-6**



**PUMPMATE INDUSTRIAL CO., LTD.**

# Pump description

## **DS 4",DS 6" Stainless Steel Submersible Pumps**

**Type range DS4-2 ~ DS4-14**

**Type range DS6-17 ~ DS6-60**

PumpMate's DS4" and DS 6" series submersible pumps are made of corrosion resistance and heavy duty SUS304 stainless steel materials. Offering high stability, energy efficiency and optimal performance structured by the fluid dynamics concept with state-of-the-art technology.

Through the strictest quality assurance system and precise testing concentrated, so as to achieve a low replacement rate, maintenance costs and long service life.



## Features and benefits

- ◆ A wide pump range offered from 1 to 150 m<sup>3</sup>/h consists of many pump sizes that is available with optional number of stages to match any duty points and meet customers' need. (\* 8" pump are under development.)
- ◆ The pump adopts the structural design for dependable performance, ensure running smoothly, less noise and enjoy energy saving highs, while experiencing operation in a light load mode.
- ◆ All the metal parts are made of SUS304 materials(Except of the pump shaft are made of SUS431 materials) that feature of environmentally friendly, zero pollution to the raw water.
- ◆ Pump mounted with motor by coupling, that is easy to install for costs saving.
- ◆ Pump shaft are made of high strength SUS431 stainless steel materials to ensure continuous heavy duty service.
- ◆ Discharge head with built-in non-return valve to prevent water hammer condition to extend its lifecycle.
- ◆ SUS304 strainer to restrict the entry of sand or others foreign materials.

## Applications

- ◆ Raw water supply from deep well
- ◆ Pressure boosting for residential buildings
- ◆ Agricultural irrigation and livestock watering system
- ◆ Municipal/industrial water supply and distribution
- ◆ Fountains applications

## Operating conditions:

- ◆ Maximum liquid temperature : 30°C
- ◆ Maximum content of sand : 50gr/m<sup>3</sup>

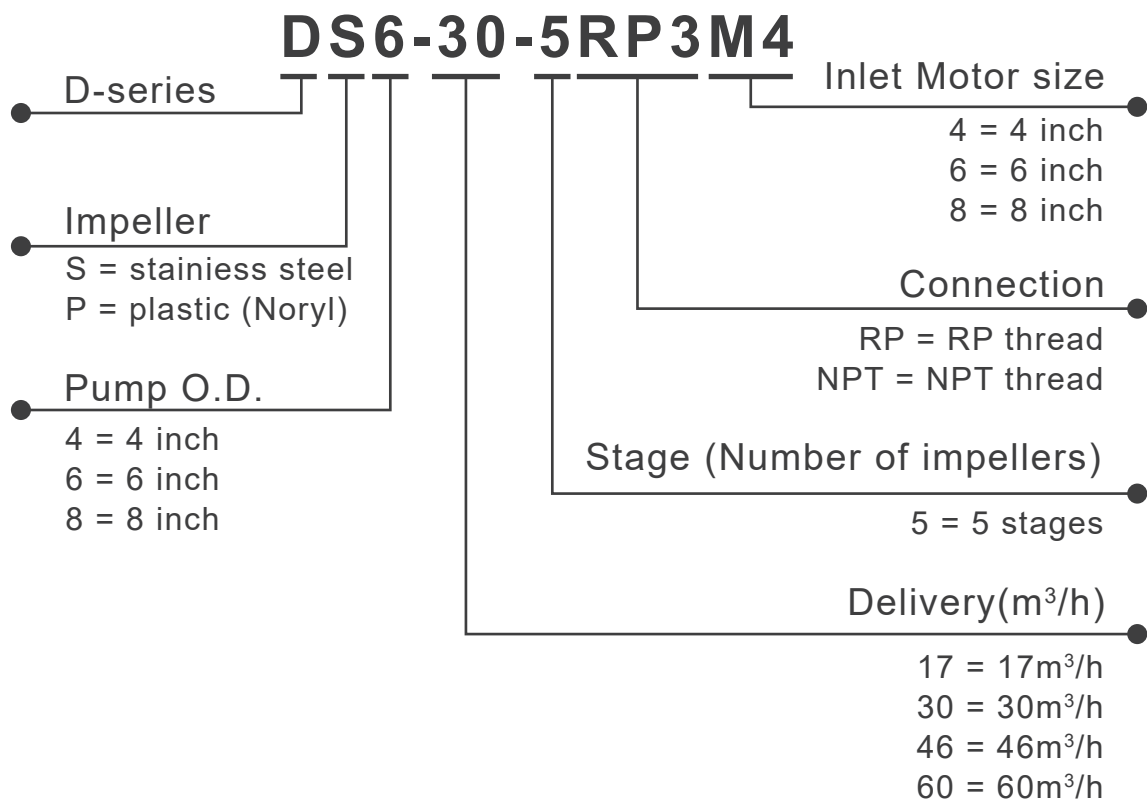
## Pumped liquids

- ◆ Clean, thin, non-aggressive or non-abrasive liquids.

Pump range	Delivery	Type	Connection
4"	Up to 22 m <sup>3</sup> /h	DS4-2	NPT / Rp 1 1/4
		DS4-3	NPT / Rp 1 1/4
		DS4-5	NPT / Rp 1 1/2
		DS4-8	NPT / Rp 2
		DS4-14	NPT / Rp 2
6"	Up to 94 m <sup>3</sup> /h	DS6-17	NPT3 / Rp 2 1/2
		DS6-30	NPT / Rp 3
		DS6-46	NPT / Rp 3 or 4
		DS6-60	NPT / Rp 3 or 4
8"	Up to 150 m <sup>3</sup> /h	DS8-77	NPT / Rp 5
		DS8-95	NPT / Rp 5

\* 8" pump are under development.

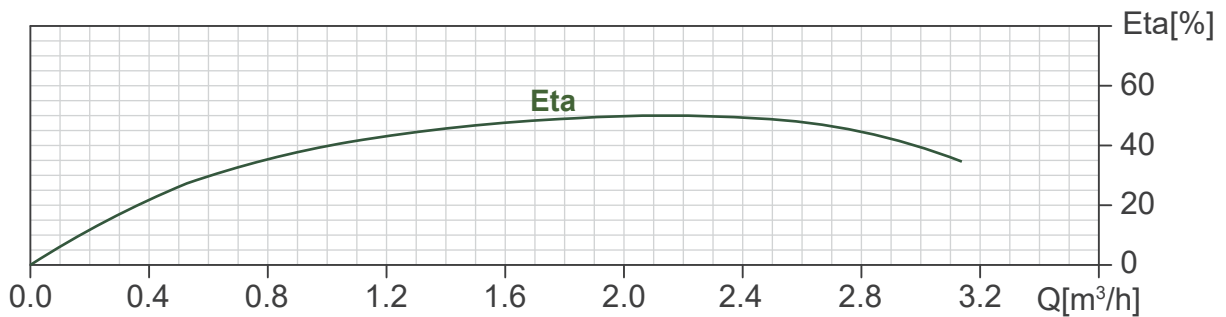
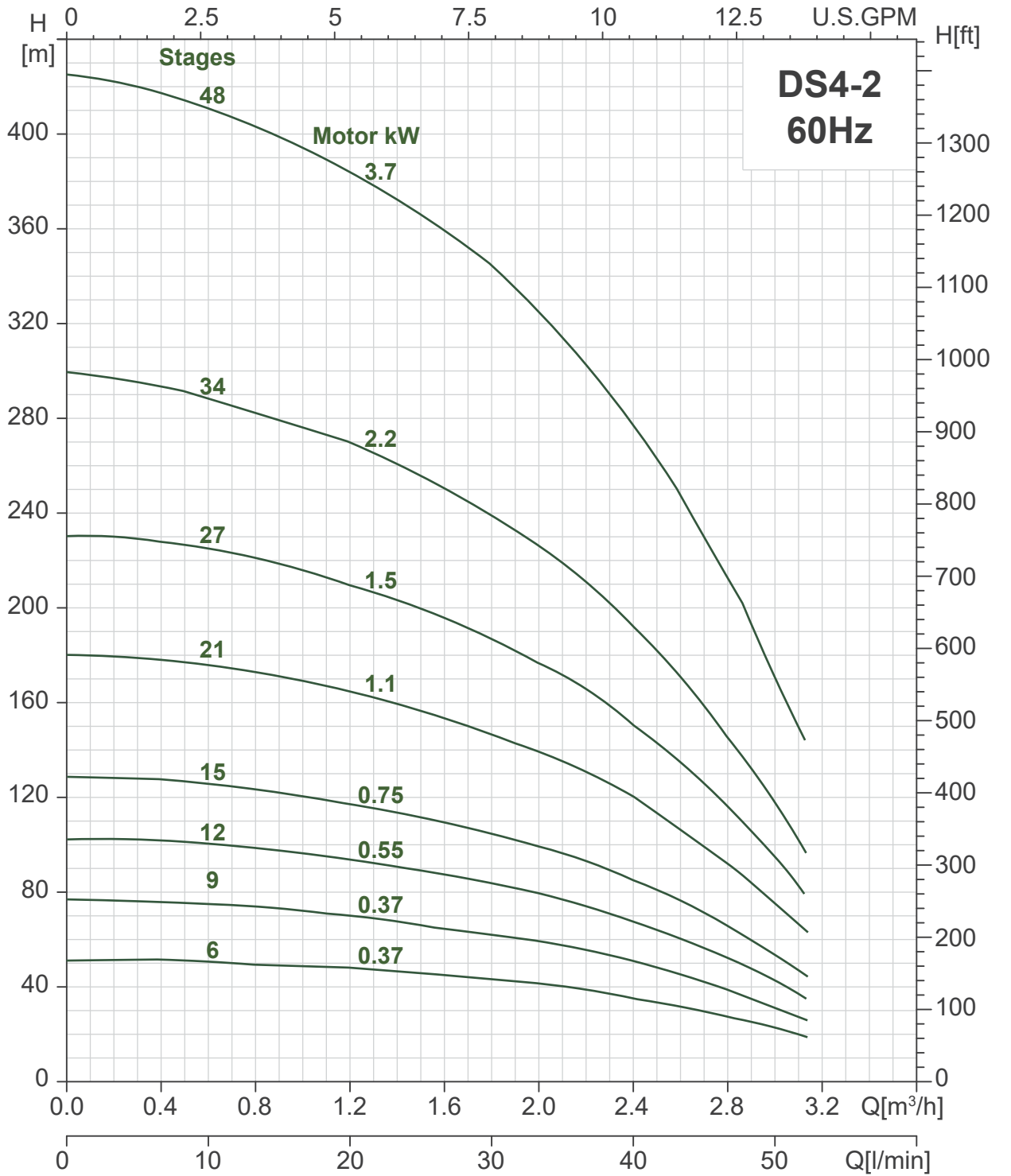
## Pump type key



# DS4-2 Performance curves



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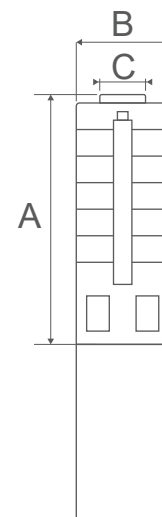


**Specifications:**

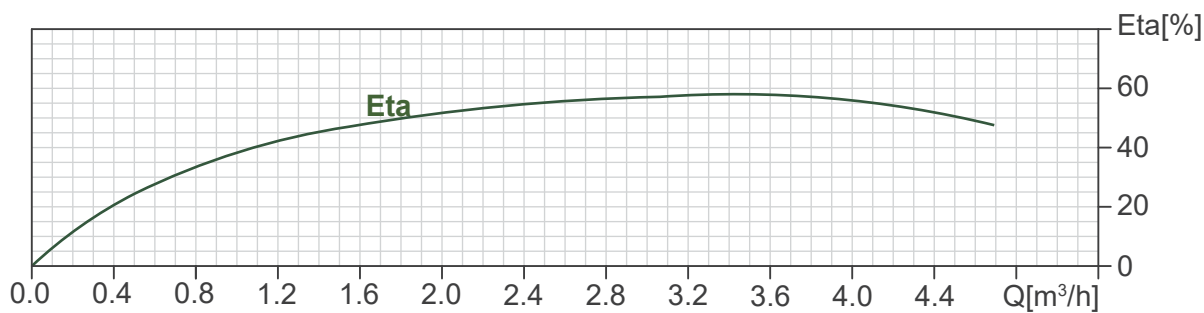
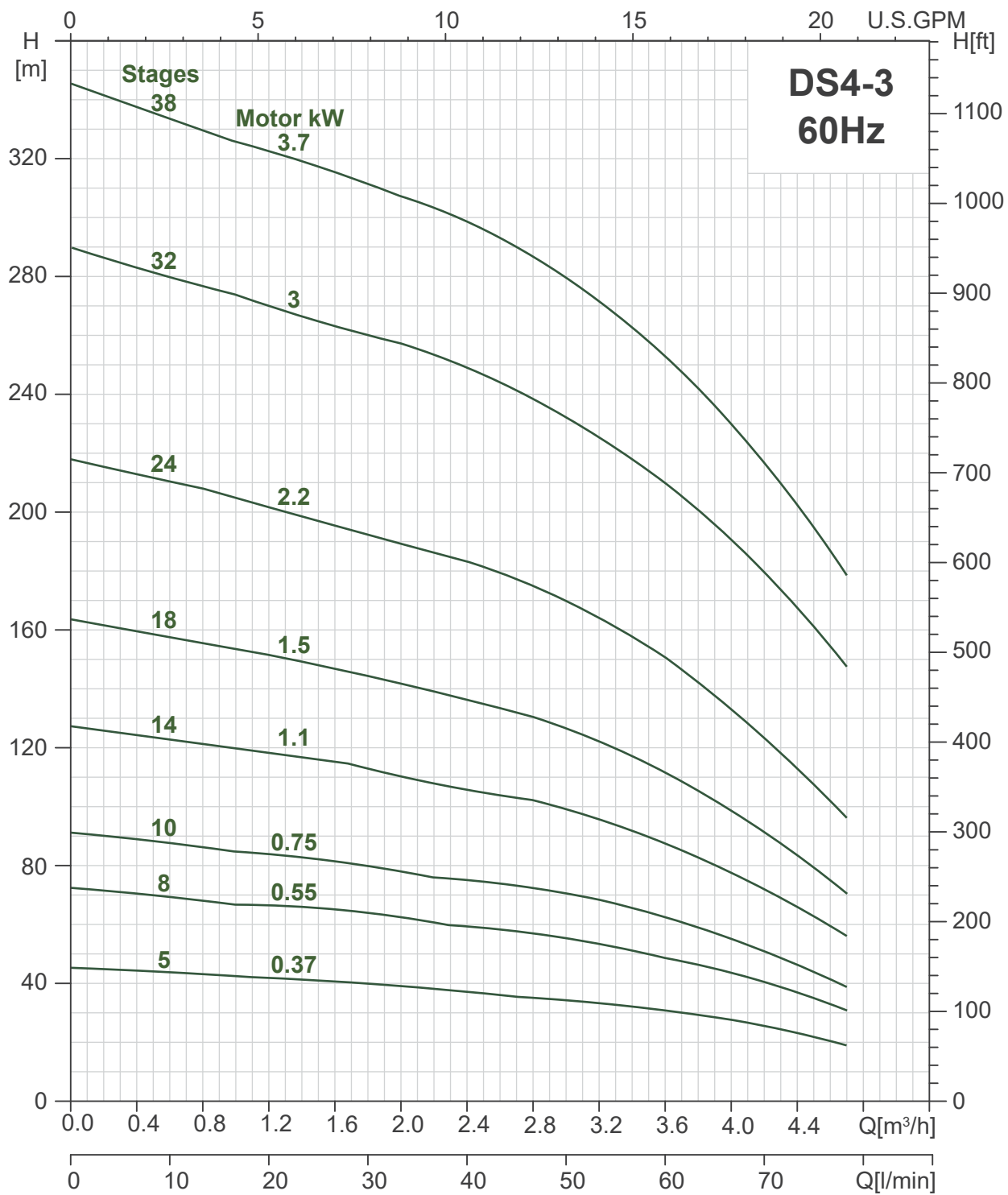
Pump Type	Motor Power		Q capacity					
	HP	kW	m <sup>3</sup> /h	1.2	1.6	2	2.4	2.8
			l/min	20	27	33	40	47
DS4-2-6	0.5	0.37	H (m)	48	45	42	35	27
DS4-2-9	0.5	0.37		70	64	59	52	38
DS4-2-12	0.75	0.55		94	87	79	67	53
DS4-2-15	1	0.75		117	109	99	85	65
DS4-2-21	1.5	1.1		164	153	138	120	93
DS4-2-27	2	1.5		209	196	177	151	117
DS4-2-34	3	2.2		270	250	226	192	146
DS4-2-48	5	3.7		384	359	324	277	213

**Dimensions and weights:**

Pump Type	Dimensions (mm)			Net Weight (kg)
	A	B	C	
DS4-2-6	281	101	NPT/RP 1 1/4"	2.5
DS4-2-9	344	101		3.1
DS4-2-12	407	101		3.7
DS4-2-15	470	101		4.3
DS4-2-21	596	101		5.5
DS4-2-27	722	101		6.7
DS4-2-34	914	101		10.1
DS4-2-48	1208	101		13.9



# DS4-3 Dimensions and Weights

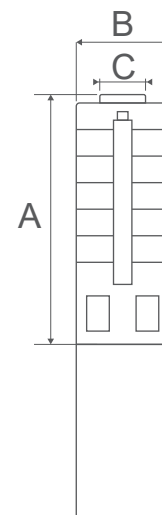


**Specifications:**

Pump Type	Motor Power		Q capacity					
	HP	kW	m <sup>3</sup> /h	2.4	2.8	3.2	3.6	4
			l/min	40	47	53	60	67
DS4-3-5	0.5	0.37	H (m)	37	35	33	31	28
DS4-3-8	0.75	0.55		59	57	53	48	44
DS4-3-10	1	0.75		75	73	68	63	55
DS4-3-14	1.5	1.1		106	102	96	87	78
DS4-3-18	2	1.5		134	128	120	110	97
DS4-3-24	3	2.2		182	173	162	149	131
DS4-3-32	4	3		247	237	223	208	188
DS4-3-38	5	3.7		297	285	270	251	228

**Dimensions and weights:**

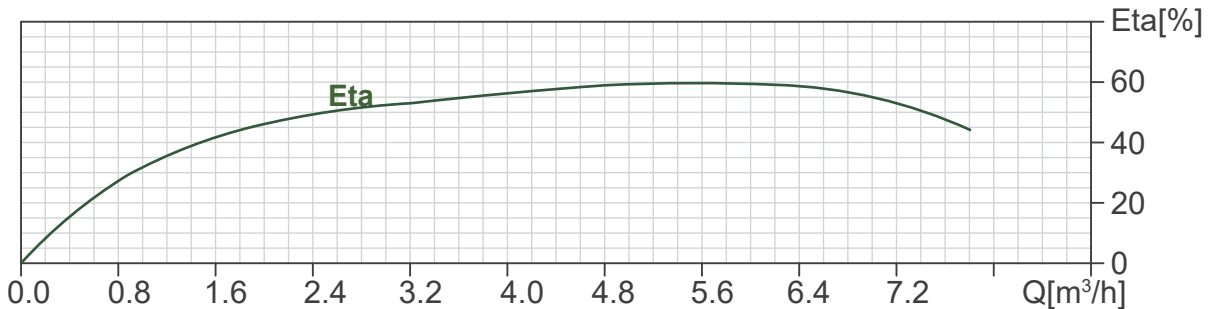
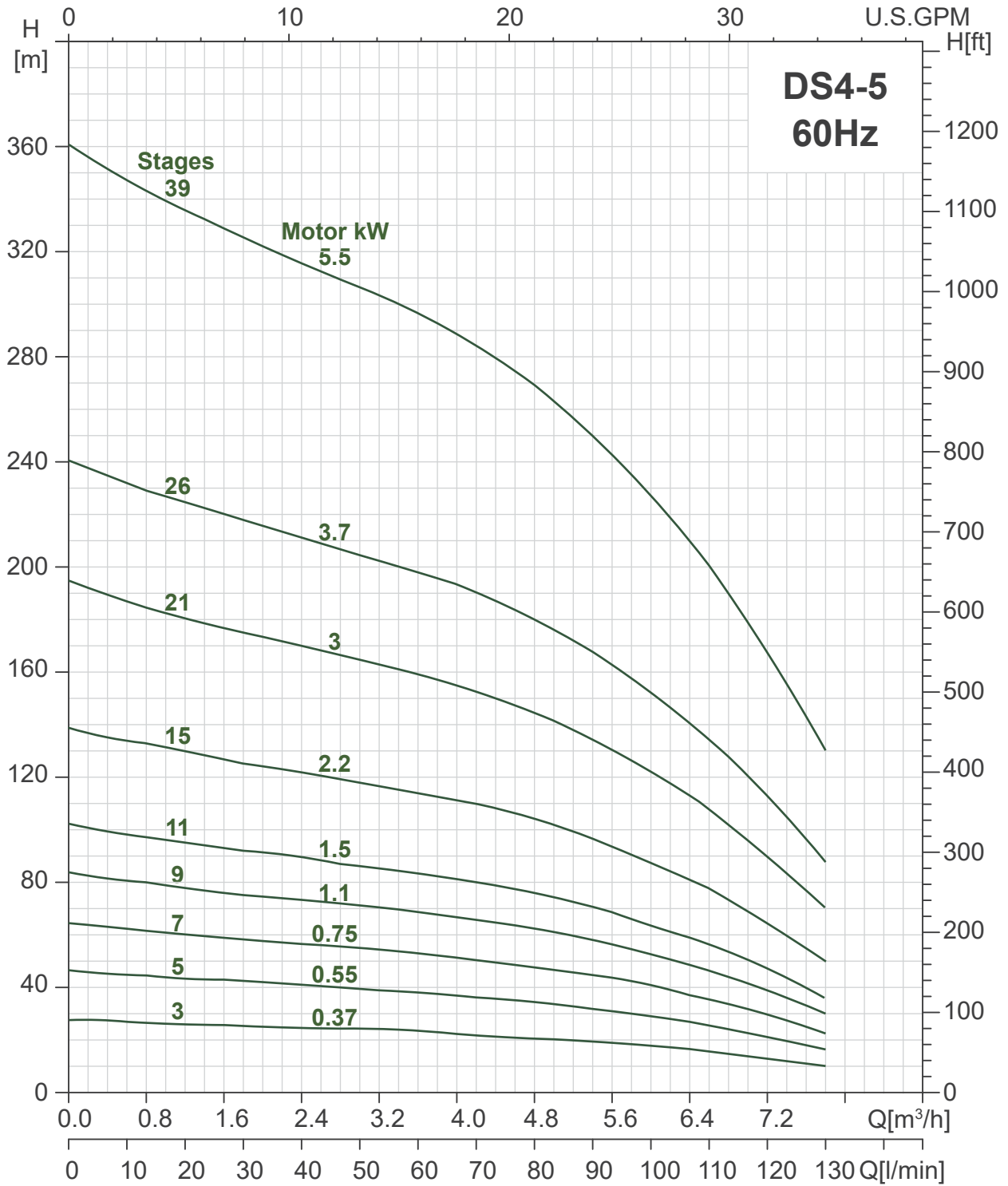
Pump Type	Dimensions (mm)			Net Weight (kg)
	A	B	C	
DS4-3-5	260	101	NPT/RP 1 1/4"	2.3
DS4-3-8	323	101		2.9
DS4-3-10	365	101		3.3
DS4-3-14	449	101		4.1
DS4-3-18	533	101		4.9
DS4-3-24	659	101		6.1
DS4-3-32	872	101		9.5
DS4-3-38	998	101		11.0



# DS4-5 Performance curves



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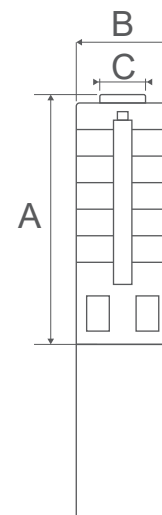


## Specifications:

Pump Type	Motor Power		Q capacity						
	HP	kW	m <sup>3</sup> /h	3.2	4	4.8	5.6	6.4	7.2
			l/min	53	67	80	93	107	120
DS4-5-3	0.5	0.37	H (m)	23	21	19	17	15	12
DS4-5-5	0.75	0.55		38	36	33	30	26	20
DS4-5-7	1	0.75		53	50	46	42	36	28
DS4-5-9	1.5	1.1		69	65	61	55	47	38
DS4-5-11	2	1.5		83	79	74	67	57	46
DS4-5-15	3	2.2		114	108	102	92	78	62
DS4-5-21	4	3		161	153	142	128	111	87
DS4-5-26	5	3.7		201	192	178	161	139	112
DS4-5-39	7.5	5.5		302	287	277	241	208	166

## Dimensions and weights:

Pump Type	Dimensions (mm)			Net Weight (kg)
	A	B	C	
DS4-5-3	219	101	NPT/RP 1 1/2"	1.9
DS4-5-5	261	101		2.3
DS4-5-7	303	101		2.7
DS4-5-9	345	101		3.1
DS4-5-11	387	101		3.5
DS4-5-15	471	101		4.3
DS4-5-21	597	101		5.5
DS4-5-26	702	101		6.5
DS4-5-39	1019	101		11.2

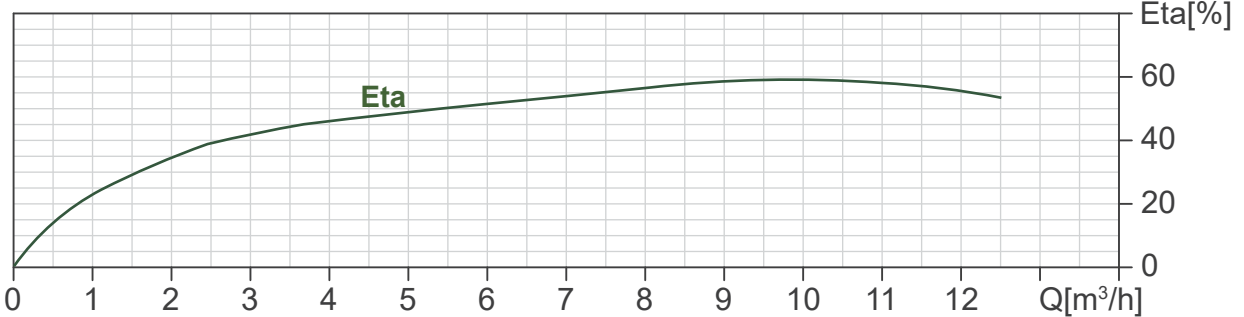
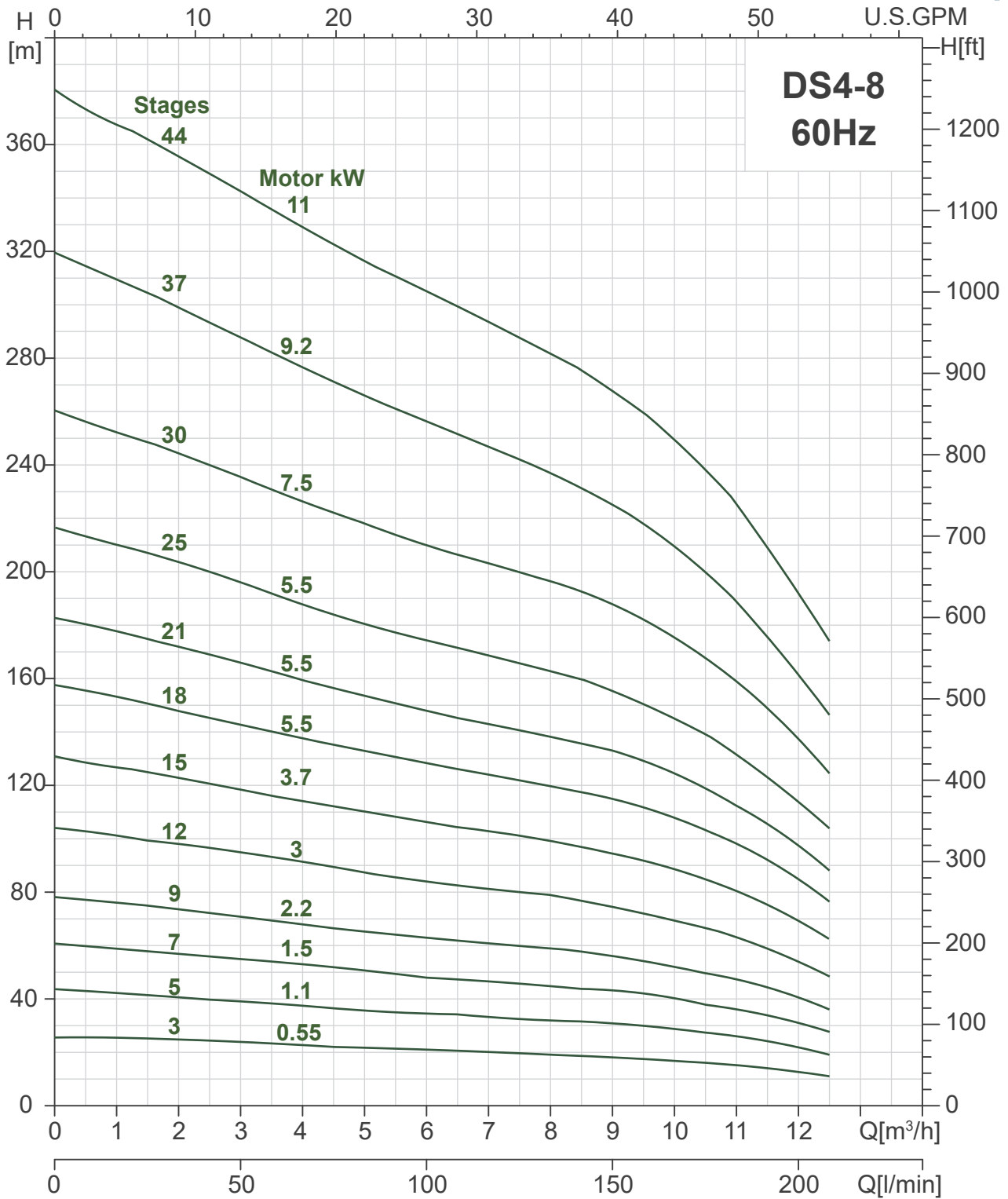


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# DS4-8 Performance curves



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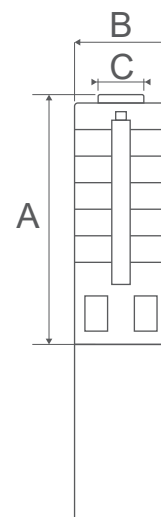
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## Specifications:

Pump Type	Motor Power		Q capacity							
	HP	kW	m <sup>3</sup> /h	6	7	8	9	10	11	12
			l/min	100	117	133	150	167	183	200
DS4-8-3	0.75	0.55	H (m)	19	18	17	16	15	13	11
DS4-8-5	1.5	1.1		33	32	30	28	27	24	20
DS4-8-7	2	1.5		46	44	43	42	38	34	28
DS4-8-9	3	2.2		61	58	57	54	50	46	38
DS4-8-12	4	3		82	79	77	73	67	62	52
DS4-8-15	5	3.7		104	101	97	93	87	78	67
DS4-8-18	7.5	5.5		127	122	118	113	106	96	83
DS4-8-21	7.5	5.5		146	141	137	132	123	110	95
DS4-8-25	7.5	5.5		172	167	161	153	143	129	112
DS4-8-30	10	7.5		208	202	194	186	173	157	135
DS4-8-37	12.5	9.2		254	244	235	223	208	187	159
DS4-8-44	15	11		303	292	280	266	247	223	190

## Dimensions and weights:

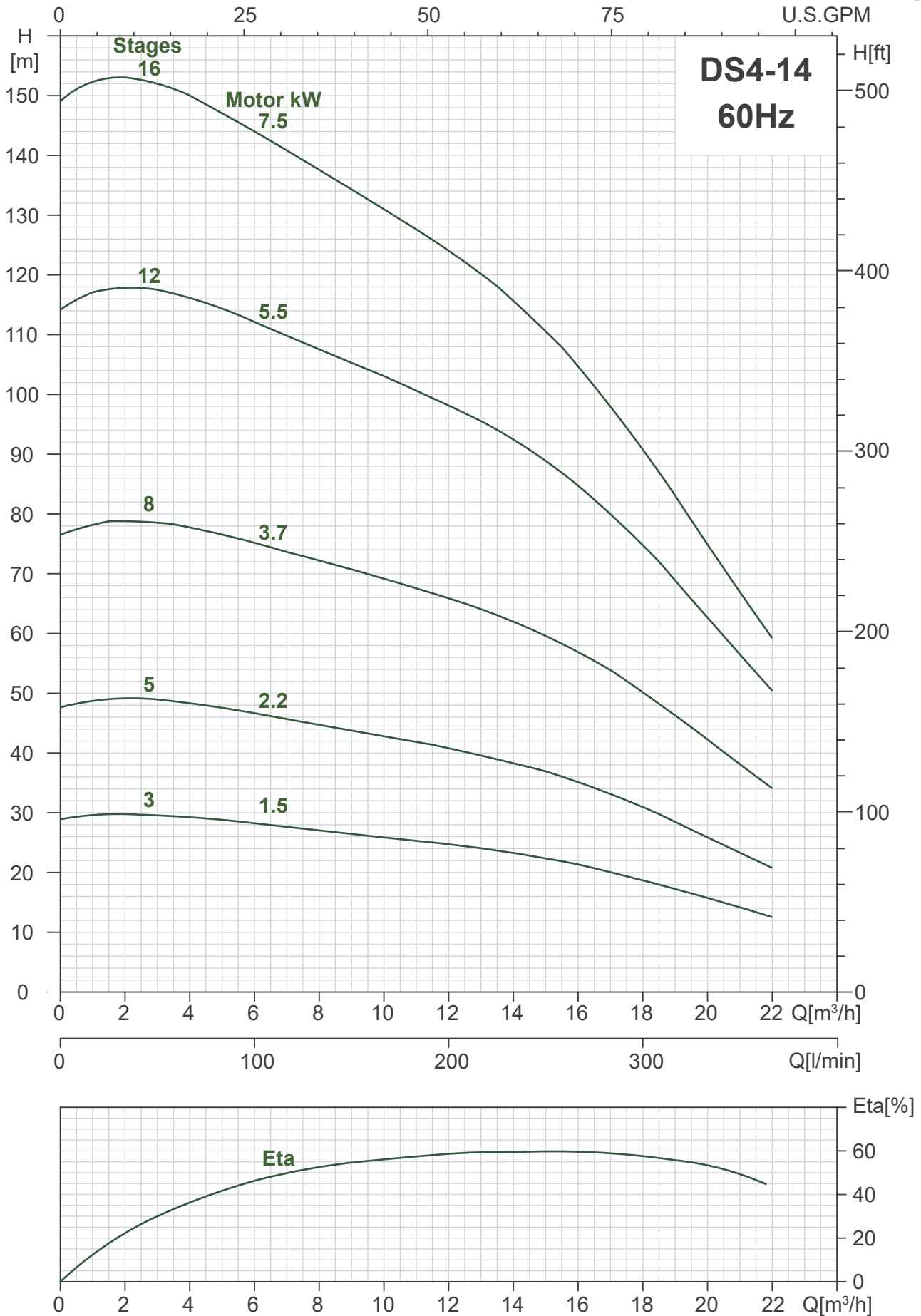
Pump Type	Dimensions (mm)			Net Weight (kg)
	A	B	C	
DS4-8-3	325	101	NPT/RP 2"	3.3
DS4-8-5	409	101		4.3
DS4-8-7	493	101		5.3
DS4-8-9	577	101		6.3
DS4-8-12	703	101		7.8
DS4-8-15	829	101		9.3
DS4-8-18	955	101		10.8
DS4-8-21	1081	101		12.3
DS4-8-25	1249	101		14.3
DS4-8-30	1459	101		16.8
DS4-8-37	1815	138		20.3
DS4-8-44	2109	138		25.8



# DS4-14 Performance curves



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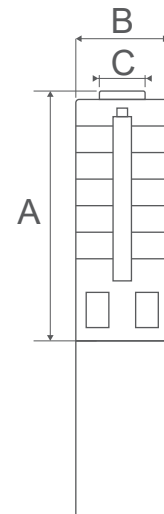


## Specifications:

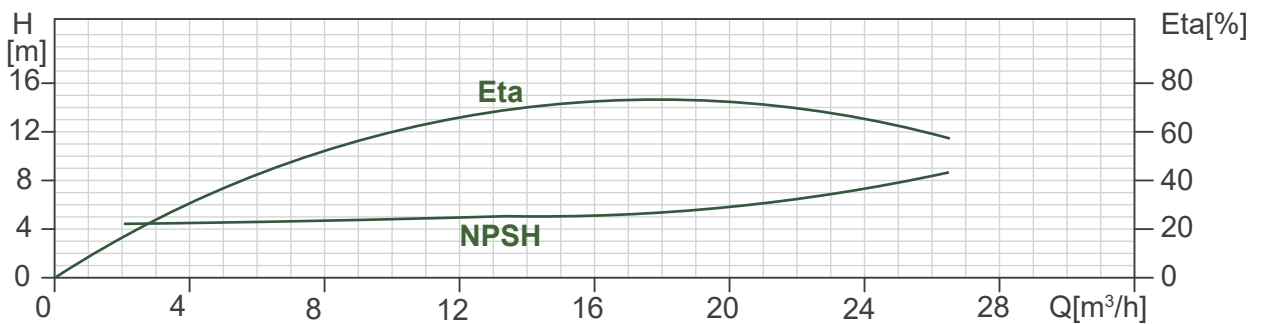
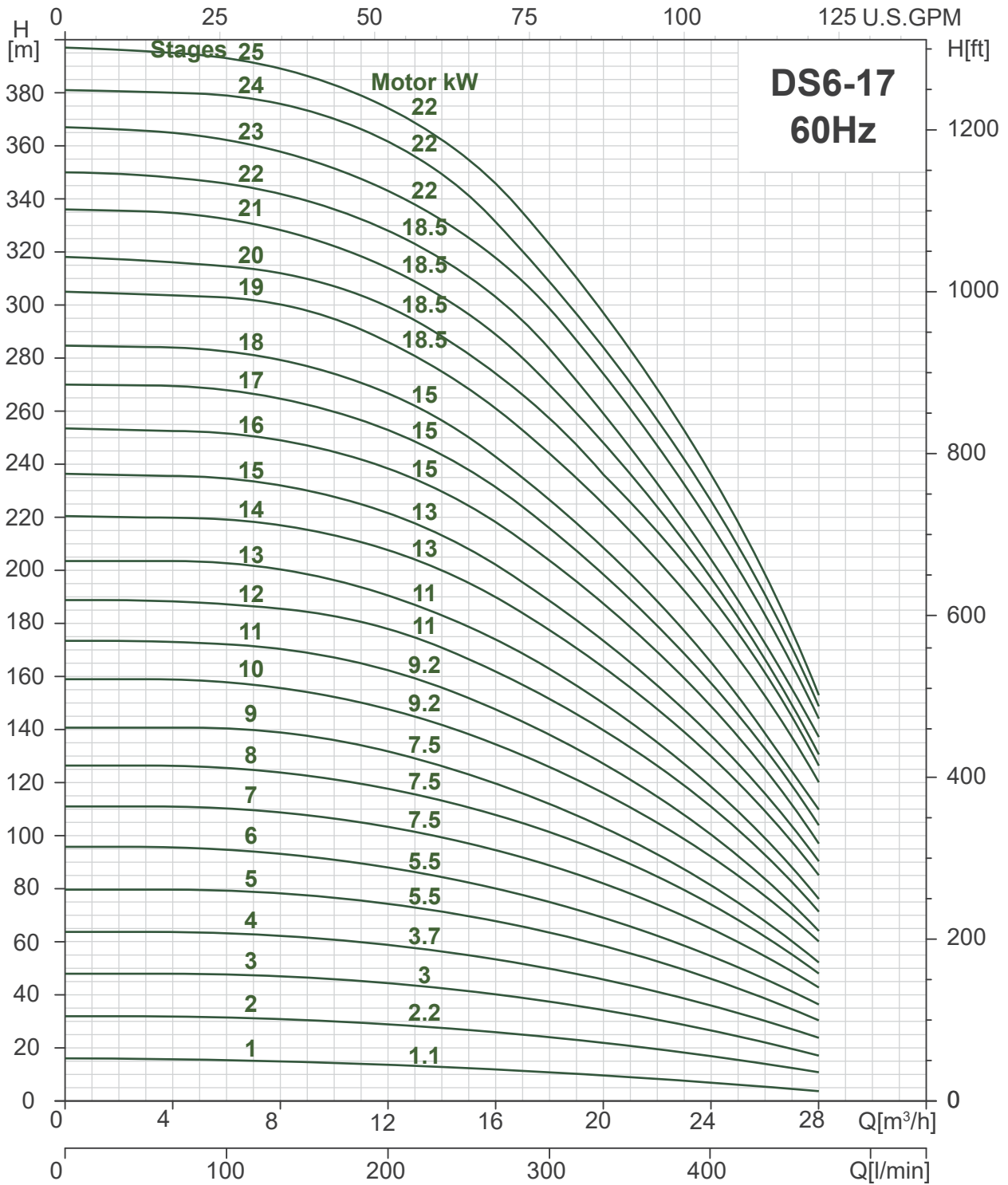
Pump Type	Motor Power		Q capacity							
	HP	kW	m <sup>3</sup> /h	12	13	14	15	16	17	18
			l/min	200	217	233	250	267	283	300
DS4-14-3	2	1.5	H (m)	25	24	23	22	21	20	18
DS4-14-5	3	2.2		41	39	38	37	35	33	31
DS4-14-8	5	3.7		66	64	62	59	57	54	50
DS4-14-12	7.5	5.5		98	95	92	89	85	80	75
DS4-14-16	10	7.5		124	120	115	110	104	98	90

## Dimensions and weights:

Pump Type	Dimensions (mm)			Net Weight (kg)
	A	B	C	
DS4-14-3	380	101	NPT/RP 2"	3.7
DS4-14-5	510	101		5.0
DS4-14-8	705	101		7.0
DS4-14-12	965	101		9.5
DS4-14-16	1225	101		12.1



# DS6-17 Dimensions and Weights



## Specifications:

Pump Type	Motor Power		Q capacity							
	HP	kW	m <sup>3</sup> /h	12	14	16	18	20	22	24
			l/min	200	233	267	300	333	367	400
DS6-17-1	1.5	1.1	H (m)	14	13	12	11	9	8	7
DS6-17-2	3	2.2		28	27	26	24	22	19	17
DS6-17-3	4	3		44	43	40	38	34	31	27
DS6-17-4	5	3.7		58	57	53	50	46	42	36
DS6-17-5	7.5	5.5		74	72	68	63	58	53	46
DS6-17-6	7.5	5.5		88	84	80	75	69	62	54
DS6-17-7	10	7.5		103	99	94	88	82	74	65
DS6-17-8	10	7.5		118	113	108	101	93	84	74
DS6-17-9	10	7.5		132	126	120	112	103	93	82
DS6-17-10	12.5	9.2		148	142	134	126	116	105	92
DS6-17-11	12.5	9.2		162	156	148	138	127	115	100
DS6-17-12	15	11		178	171	162	152	140	127	111
DS6-17-13	15	11		191	183	174	163	150	135	118
DS6-17-14	17.5	13		208	200	190	177	163	143	130
DS6-17-15	17.5	13		222	213	202	188	173	157	138
DS6-17-16	20	15		238	230	218	203	187	169	148
DS6-17-17	20	15		253	243	232	216	198	179	157
DS6-17-18	20	15		267	257	243	227	208	188	165
DS6-17-19	25	18.5		286	275	261	244	225	204	180
DS6-17-20	25	18.5		299	288	274	257	236	215	190
DS6-17-21	25	18.5		313	303	288	270	248	224	197
DS6-17-22	25	18.5		328	317	303	283	259	233	204
DS6-17-23	30	22		343	332	318	298	274	247	217
DS6-17-24	30	22		362	349	331	308	284	257	226
DS6-17-25	30	22		374	362	346	323	297	268	236

## Dimensions and weights:

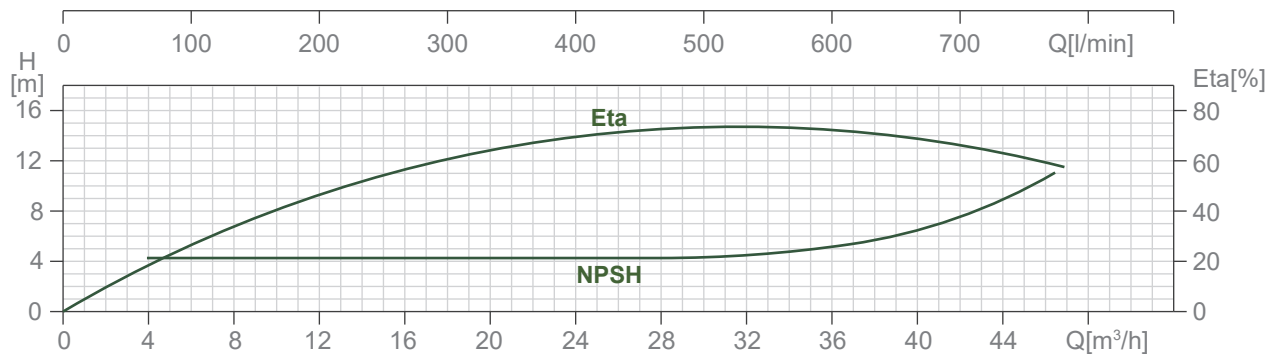
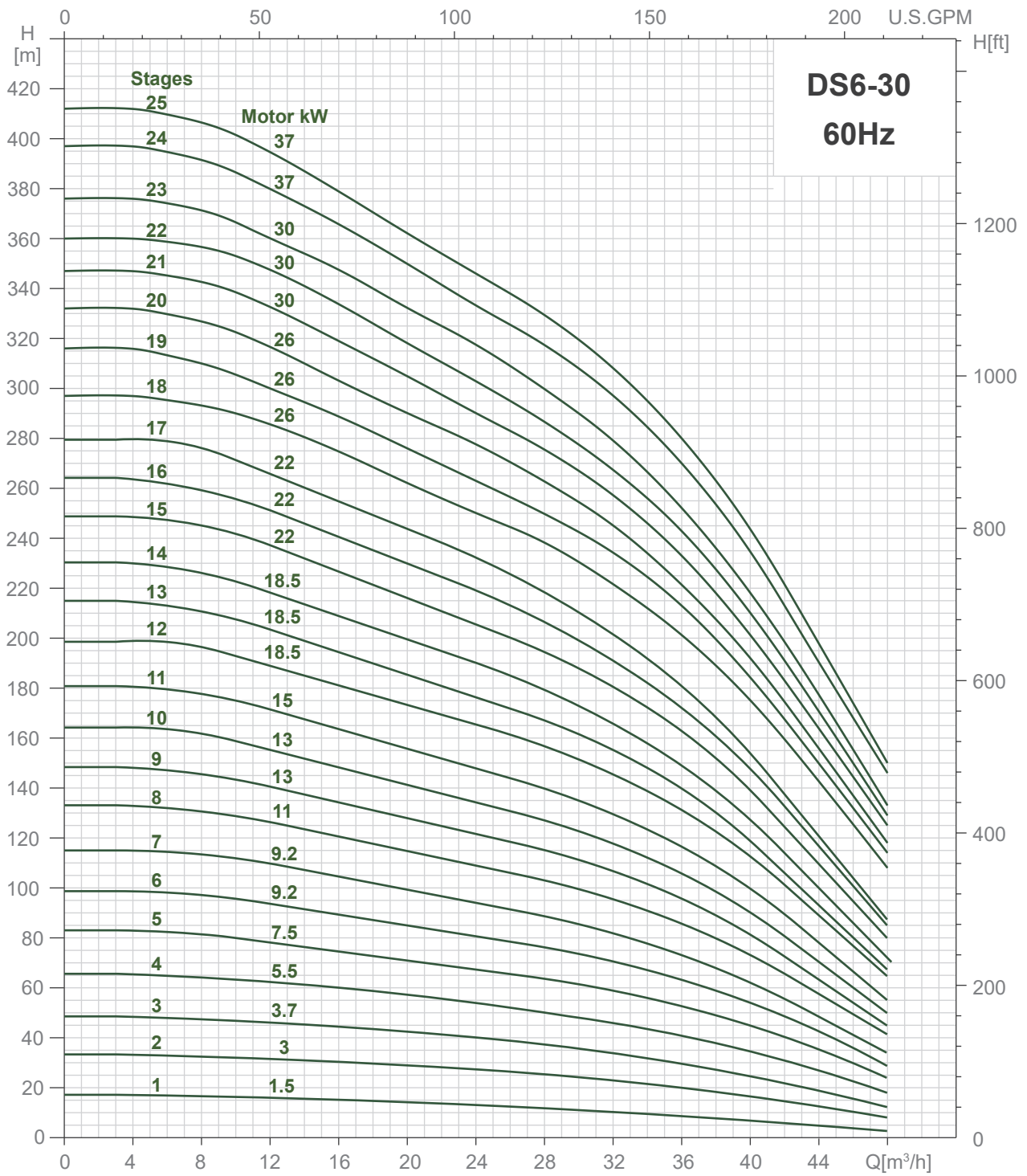
Pump Type	Dimensions (mm)			Net Weight (kg)
	A	B	C	
DS6-17-1	314	131	RP 2 1/2" NPT/RP 3"	5.1
DS6-17-2	374	131		6.5
DS6-17-3	435	131		8.0
DS6-17-4	495	131		9.4
DS6-17-5	556	131		10.9
DS6-17-6	616	131		12.3
DS6-17-7	677	131		13.8
DS6-17-8	737	131		15.2
DS6-17-9	798	131		16.7
DS6-17-10	874	142		18.1
DS6-17-11	935	142		19.6
DS6-17-12	995	142		21.1
DS6-17-13	1056	142		22.6
DS6-17-14	1116	142		24.1
DS6-17-15	1177	142		25.6
DS6-17-16	1237	142		27.1
DS6-17-17	1298	142		28.6
DS6-17-18	1358	142		30.1
DS6-17-19	1419	142		31.1
DS6-17-20	1479	142		32.7
DS6-17-21	1540	142		34.1
DS6-17-22	1600	142		35.6
DS6-17-23	1661	142		36.9
DS6-17-24	1721	142		38.5
DS6-17-25	1782	142		40.0



# DS6-30 Dimensions and Weights



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## Specifications:

Pump Type	Motor Power		Q capacity							
	HP	kW	m <sup>3</sup> /h	26	28	30	32	34	36	38
			l/min	433	467	500	533	567	600	633
DS6-30-1	2	1.5	H (m)	13	12	11	10	9	8	7
DS6-30-2	4	3		27	26	24	23	22	20	18
DS6-30-3	5	3.7		39	38	36	34	32	30	27
DS6-30-4	7.5	5.5		52	50	48	46	43	41	38
DS6-30-5	10	7.5		66	63	62	58	56	53	39
DS6-30-6	12.5	9.2		78	76	73	71	67	63	58
DS6-30-7	12.5	9.2		92	88	86	82	78	73	68
DS6-30-8	15	11		106	103	99	96	91	86	80
DS6-30-9	17.5	13		118	115	111	107	102	96	89
DS6-30-10	17.5	13		131	127	123	118	112	106	98
DS6-30-11	20	15		144	140	135	129	123	117	108
DS6-30-12	25	18.5		162	157	152	146	138	131	122
DS6-30-13	25	18.5		172	167	162	155	148	140	130
DS6-30-14	25	18.5		185	179	173	166	158	149	138
DS6-30-15	30	22		200	194	188	181	172	163	152
DS6-30-16	30	22		213	207	199	191	182	172	161
DS6-30-17	30	22		226	218	210	202	192	181	168
DS6-30-18	35	26		245	238	231	222	212	202	189
DS6-30-19	35	26		257	250	243	234	225	213	200
DS6-30-20	35	26		271	263	255	245	234	222	208
DS6-30-21	40	30		283	276	262	258	246	233	218
DS6-30-22	40	30		295	287	278	267	256	243	228
DS6-30-23	40	30		309	300	290	279	267	252	236
DS6-30-24	50	37		326	318	308	297	285	270	253
DS6-30-25	50	37		338	330	320	308	295	280	263

## Dimensions and weights:

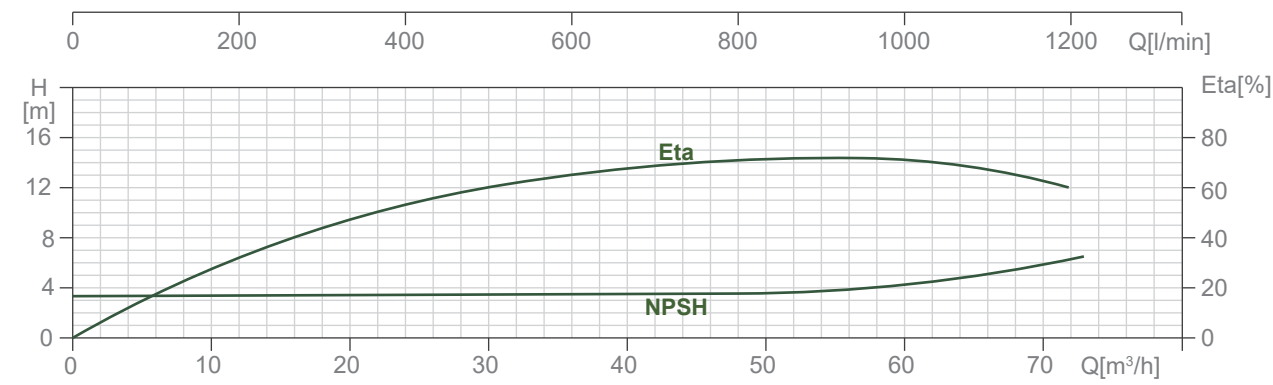
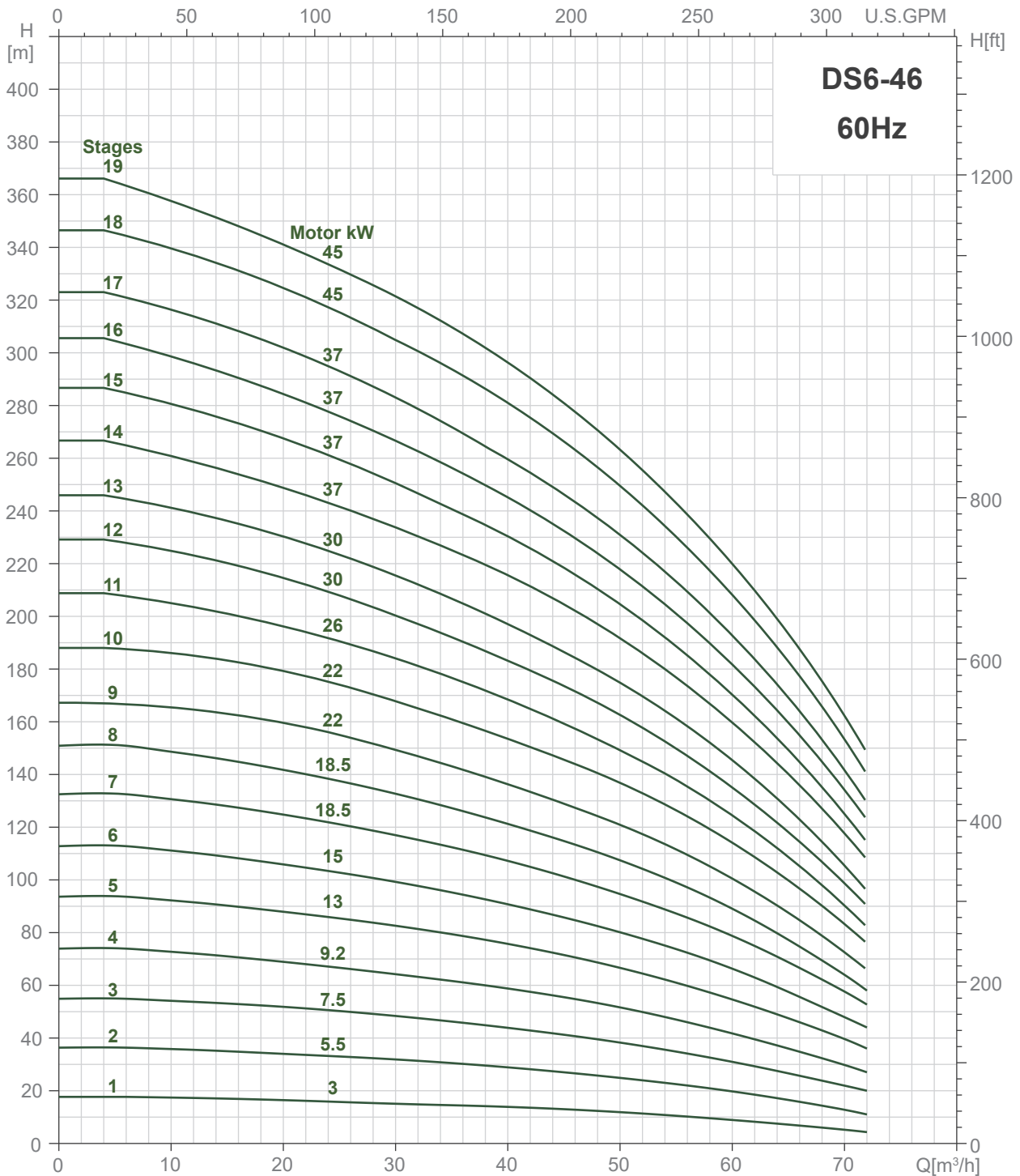
Pump Type	Dimensions (mm)			Net Weight (kg)
	A	B	C	
DS6-30-1	349	131	NPT/RP 3"	6.8
DS6-30-2	445	131		8.5
DS6-30-3	541	131		10.2
DS6-30-4	637	131		11.9
DS6-30-5	733	131		13.6
DS6-30-6	845	142		15.3
DS6-30-7	941	142		17.0
DS6-30-8	1037	142		18.7
DS6-30-9	1133	142		20.4
DS6-30-10	1229	142		22.1
DS6-30-11	1325	142		23.8
DS6-30-12	1421	142		25.5
DS6-30-13	1517	142		27.2
DS6-30-14	1613	142		28.9
DS6-30-15	1709	142		30.6
DS6-30-16	1805	142		32.3
DS6-30-17	1905	142		34.0
DS6-30-18	1997	142		35.7
DS6-30-19	2093	142		37.4
DS6-30-20	2189	142		39.1
DS6-30-21	2285	144		40.8
DS6-30-22	2381	144		42.5
DS6-30-23	2477	144		44.2
DS6-30-24	2573	175		45.9
DS6-30-25	2669	175		47.6



# DS6-46 Dimensions and Weights



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## Specifications:

Pump Type	Motor Power		Q capacity								
	HP	kW	m <sup>3</sup> /h	35	40	45	50	55	60	65	70
			l/min	583	667	750	833	917	1000	1083	1167
DS6-46-1	4	3	H (m)	15	14	13	12	10	8	7	5
DS6-46-2	7.5	5.5		31	29	27	25	23	20	17	13
DS6-46-3	10	7.5		46	44	41	38	35	31	27	22
DS6-46-4	12.5	9.2		62	59	56	52	47	42	37	30
DS6-46-5	17.5	13		80	76	72	67	61	55	48	40
DS6-46-6	20	15		96	91	85	80	74	67	58	48
DS6-46-7	25	18.5		113	107	102	95	87	79	69	58
DS6-46-8	25	18.5		127	122	115	108	99	89	78	64
DS6-46-9	30	22		143	137	129	121	111	100	88	72
DS6-46-10	30	22		161	154	146	137	127	114	100	83
DS6-46-11	35	26		177	168	159	149	138	124	109	90
DS6-46-12	40	30		192	183	174	163	150	136	118	99
DS6-46-13	40	30		207	198	187	175	161	145	127	105
DS6-46-14	50	37		225	216	204	192	177	160	140	118
DS6-46-15	50	37		241	230	219	204	189	190	150	125
DS6-46-16	50	37		257	245	233	218	201	182	160	130
DS6-46-17	50	37		272	260	246	231	213	193	170	142
DS6-46-18	60	45		294	281	266	250	230	208	183	154
DS6-46-19	60	45		310	297	281	263	243	220	193	162

## Dimensions and weights:

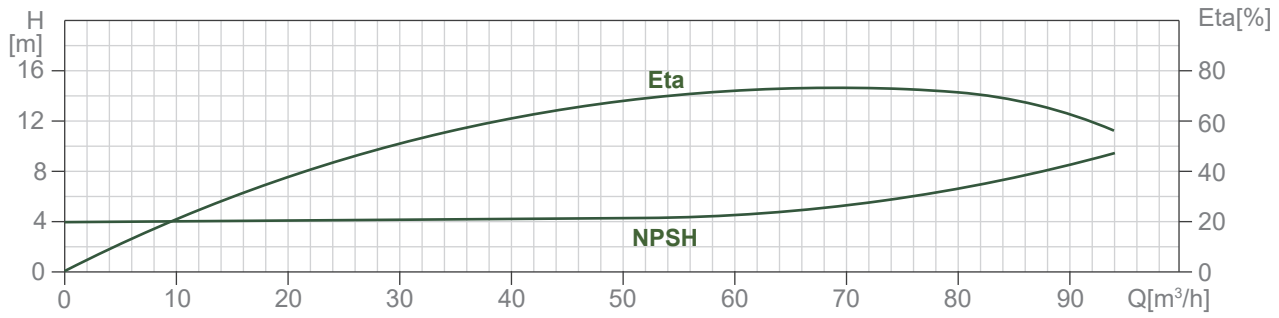
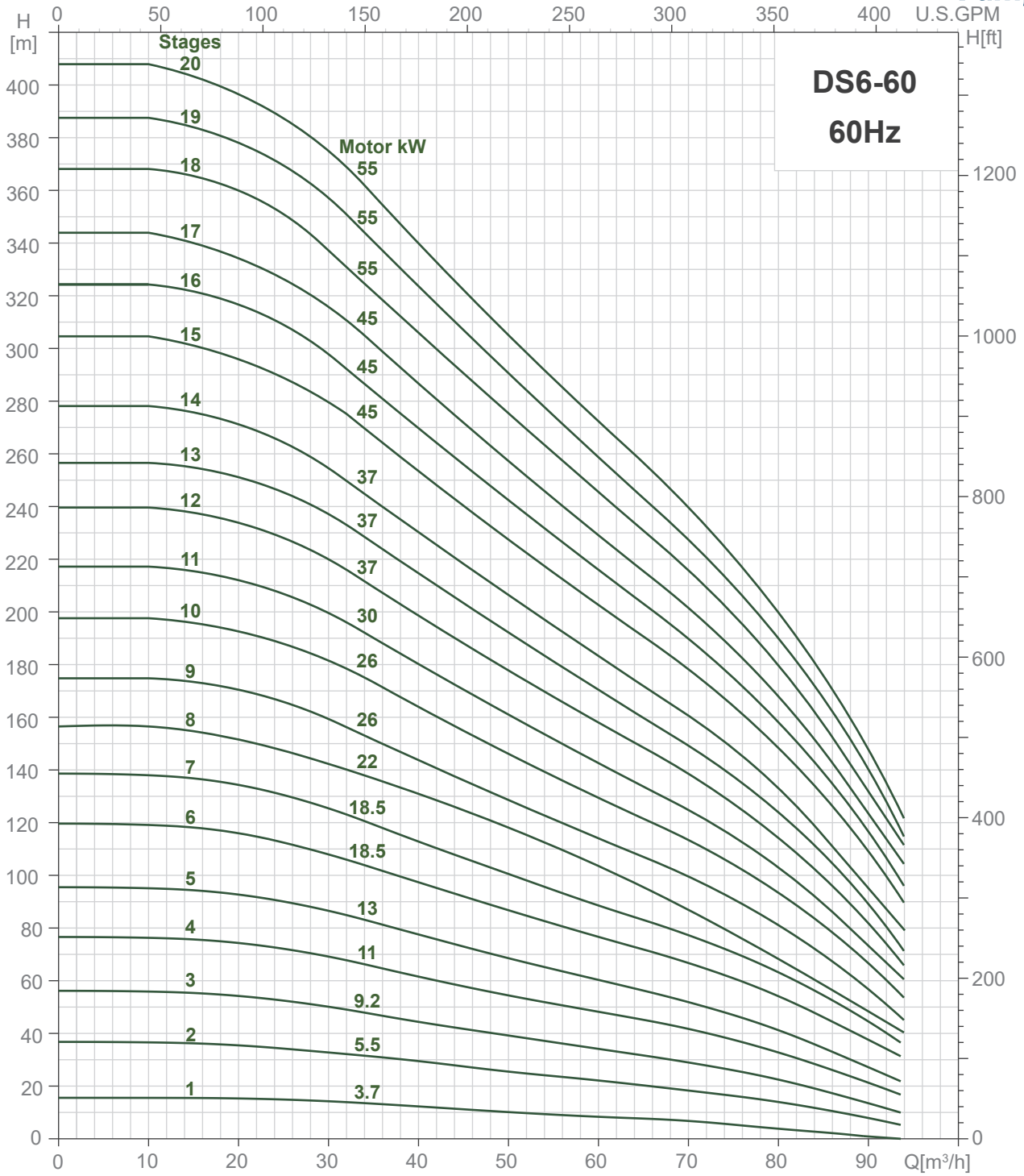
Pump Type	Dimensions (mm)			Net Weight (kg)
	A	B	C	
DS6-46-1	370	148	NPT/RP 3" or 4"	7.0
DS6-46-2	483	148		9.3
DS6-46-3	596	152		11.6
DS6-46-4	725	152		13.9
DS6-46-5	838	152		16.2
DS6-46-6	951	152		18.5
DS6-46-7	1064	152		20.8
DS6-46-8	1177	152		23.1
DS6-46-9	1290	152		25.4
DS6-46-10	1403	152		27.7
DS6-46-11	1516	152		30.0
DS6-46-12	1629	152		32.3
DS6-46-13	1742	152		34.6
DS6-46-14	1935	152		36.9
DS6-46-15	2048	152		39.2
DS6-46-16	2161	152		41.5
DS6-46-17	2274	152		43.8
DS6-46-18	2336	192		46.1
DS6-46-19	2449	192		48.4



# DS6-60 Dimensions and Weights



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## Specifications:

Pump Type	Motor Power		Q capacity								
	HP	kW	m <sup>3</sup> /h	50	55	60	65	70	75	80	85
			l/min	833	917	1000	1083	1167	1250	1333	1417
DS6-60-1	5	3.7	H (m)	11	10	9	8	7	6	4	3
DS6-60-2	7.5	5.5		26	24	23	21	19	17	14	12
DS6-60-3	12.5	9.2		41	38	36	34	31	28	24	20
DS6-60-4	15	11		55	52	49	46	43	38	34	28
DS6-60-5	17.5	13		70	66	62	58	54	48	43	37
DS6-60-6	25	18.5		87	82	77	72	67	61	55	47
DS6-60-7	25	18.5		101	95	89	83	78	71	64	56
DS6-60-8	30	22		115	108	102	95	88	81	72	62
DS6-60-9	35	26		129	122	114	107	100	91	81	70
DS6-60-10	35	26		146	138	129	122	113	104	93	81
DS6-60-11	40	30		161	152	143	134	125	115	103	89
DS6-60-12	50	37		178	168	158	149	139	127	115	99
DS6-60-13	50	37		192	181	170	160	149	137	124	108
DS6-60-14	50	37		207	195	183	172	160	148	133	115
DS6-60-15	60	45		228	210	203	191	188	164	148	130
DS6-60-16	60	45		243	230	216	203	190	175	158	139
DS6-60-17	60	45		257	243	230	215	201	186	168	147
DS6-60-18	75	55		276	260	245	231	216	199	180	158
DS6-60-19	75	55		291	275	259	243	227	210	190	167
DS6-60-20	75	55		305	289	273	257	240	221	200	175

## Dimensions and weights:

Pump Type	Dimensions (mm)			Net Weight (kg)
	A	B	C	
DS6-60-1	370	148	NPT/RP 3" or 4"	7.0
DS6-60-2	483	148		9.3
DS6-60-3	612	156		11.6
DS6-60-4	725	156		13.9
DS6-60-5	838	156		16.2
DS6-60-6	951	156		18.5
DS6-60-7	1064	156		20.8
DS6-60-8	1177	156		23.1
DS6-60-9	1290	156		25.4
DS6-60-10	1403	156		27.7
DS6-60-11	1516	156		30.0
DS6-60-12	1709	156		32.3
DS6-60-13	1822	156		34.6
DS6-60-14	1935	156		36.9
DS6-60-15	1997	192		39.2
DS6-60-16	2110	192		41.5
DS6-60-17	2223	192		43.8
DS6-60-18	2336	192		46.1
DS6-60-19	2612	192		48.4
DS6-60-20	2725	192		50.7







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