



KNB CORPORATION

2014

**Stainless Steel
Impeller Borehole
Pump - 50Hz**

WS

combine the quality materials with superior hydraulic design. They work with great efficiency during periods of high demand – an efficiency which lasts even after years of operation.

Product Features

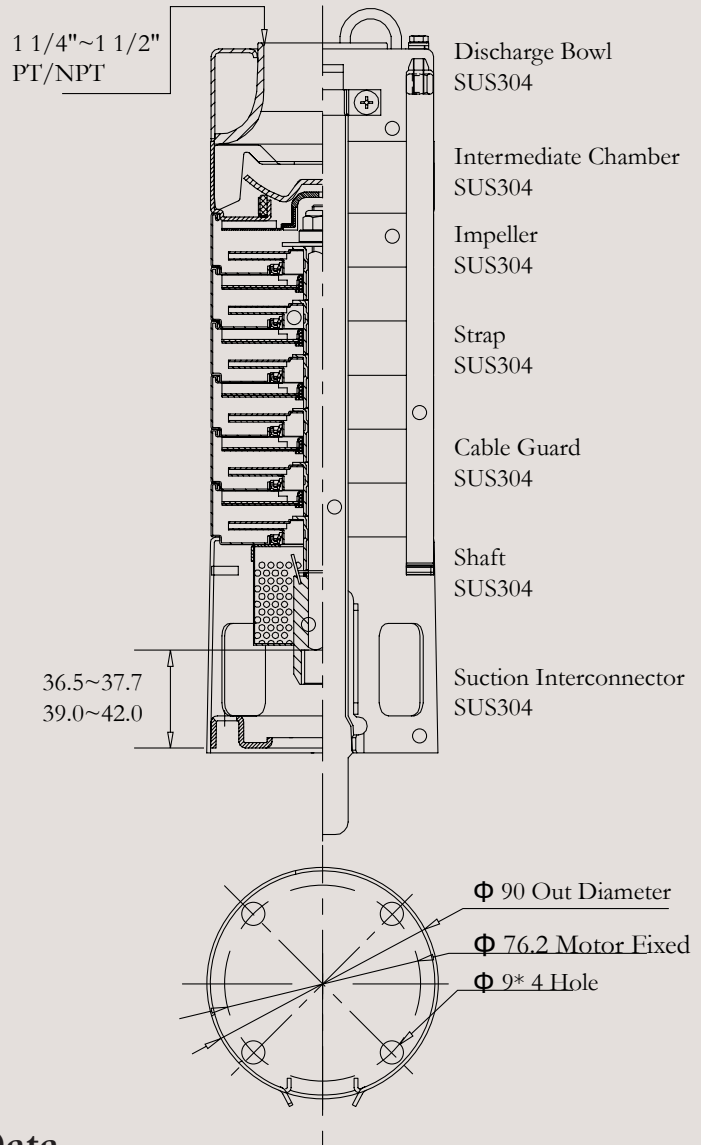
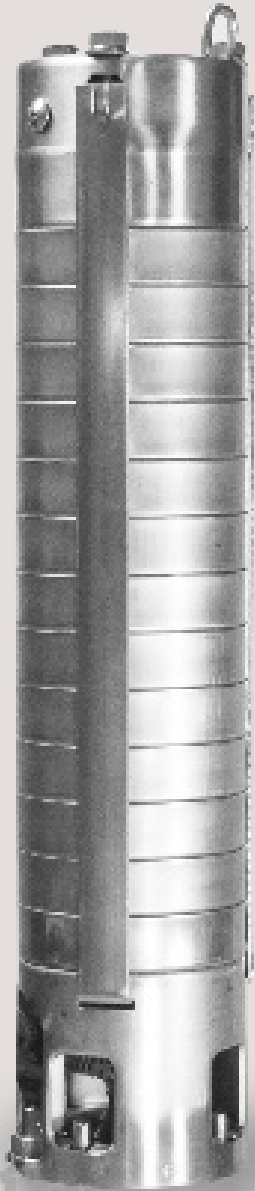
- 100% SUS 304 stainless steel made
- Superior hydraulics, reliability and pumping efficiency
- Longer lifetime
- Strong, stainless-steel quality
- Sand resistance

Product Range

1. 4" stainless steel submersible borehole pump
WS-01/02/03/05/08/14
2. 6" stainless steel submersible borehole pump
WS-17/30/46/60
3. 8" stainless steel submersible borehole pump
WS-77/95/
 - 50 Hz version:
Capable of handling flows up to 60 m³/h - Head up to 300 m
 - 60 Hz version:
Capable of handling flows up to 60 m³/h - Head up to 420 m



WS-01/02/03/05 SERIES CONSTRUCTIONS/APPLICATIONS



Technical Data

- Max. sand content: 50g/m³
- pH values: 6 to 8
- Liquid Temp. up to 35°C
- Material:
 1. Impellers/Diffusers - SUS 304
 2. Shaft -SUS304

Applications

- Irrigation/ water supply
- Groundwater intake/ water supply
- Dewatering (pasturage, sump, pond, and mining drainage, etc.)
- Fountains
- Pressure boosting



Ω- shape Hook
Non-welding method
avoids material
damaged



260HV Strap
Intensity against
pumping pressure

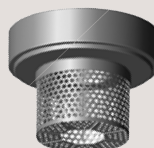
**Top bearing with sand
channel**
Avoid shaft swing and
sand damage while
operating



**N-shape design in
diffuser**
18kg water pressure
resistance to prevent
leakage



**R-angle suction
interconnector inlet**
200 kg tensile strength
against outside impacts



**S-shape suction
interconnector plate**
900 kg tensile
strength leads better
sustainability



Sand flush vane
To prevent sand block



Flower-shape shaft
Robustness Leads superior
hydraulics



**Coupling with 35HRC
Forged coupling** to avoid
abrasion and perfectly fitted
into different types of motors

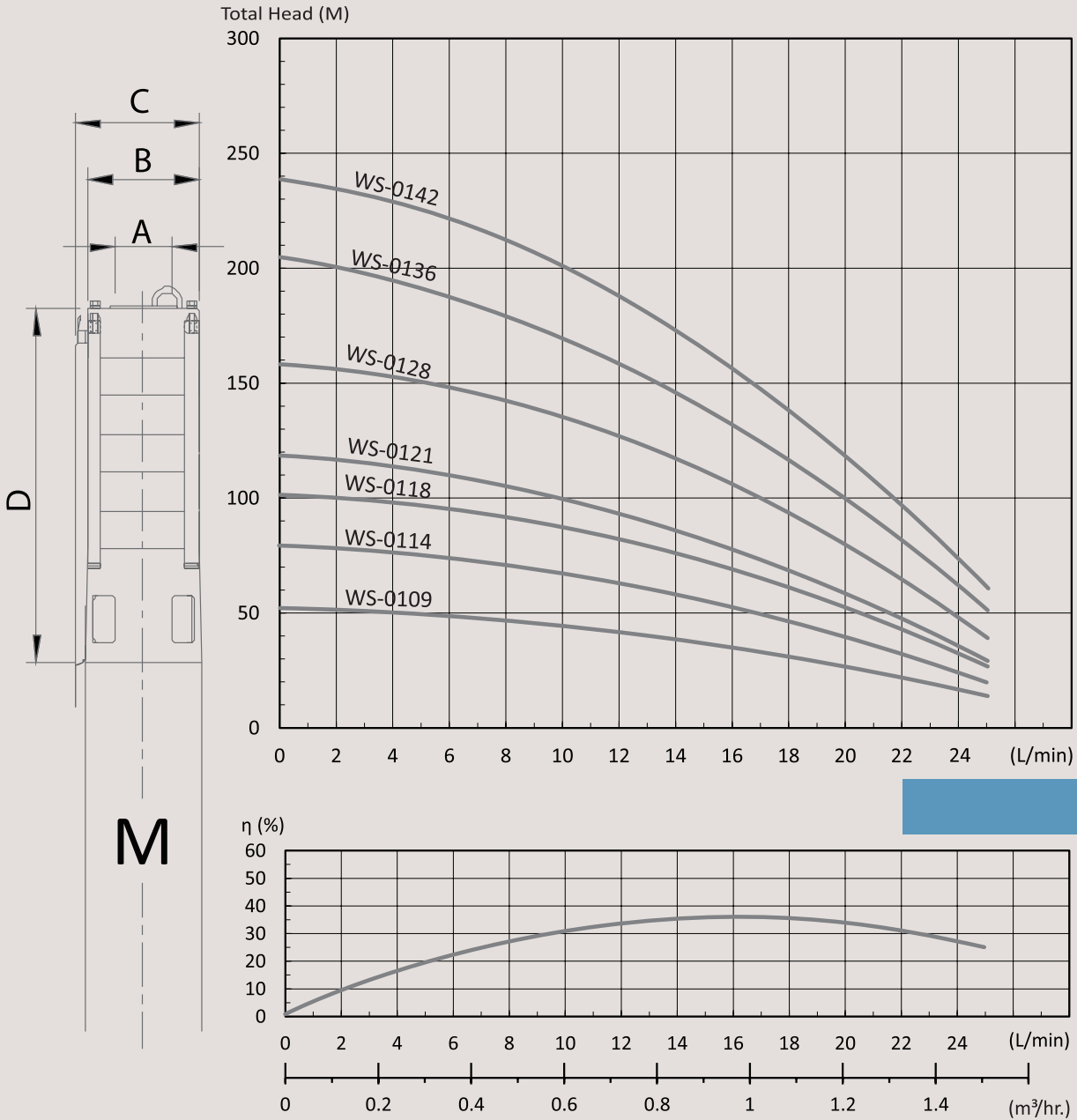


**WS-01/02/03/05 SERIES
FEATURES**

WS-01 series / 4 Inch / 50Hz

Specifications & Performance Curve

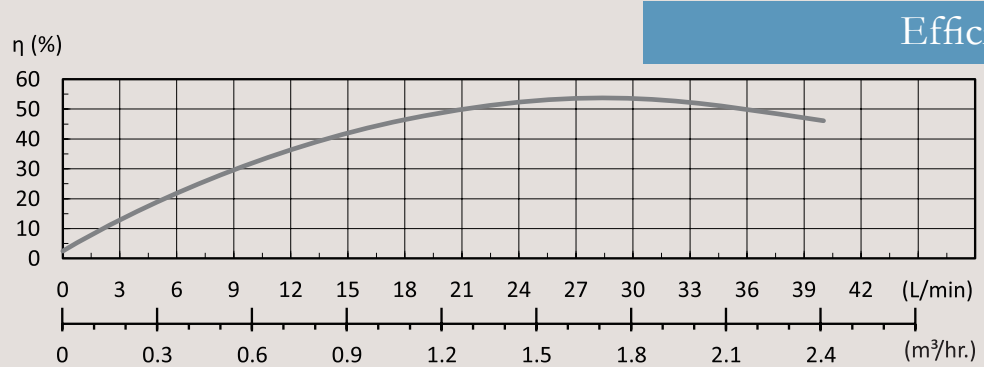
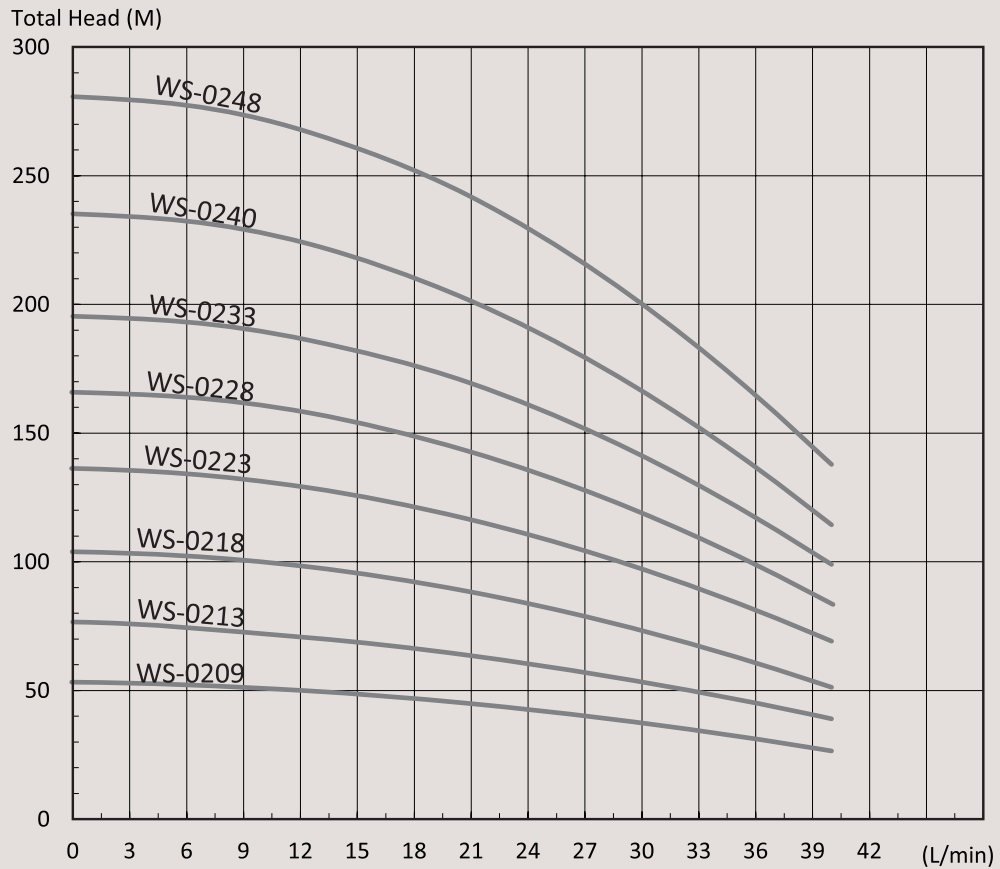
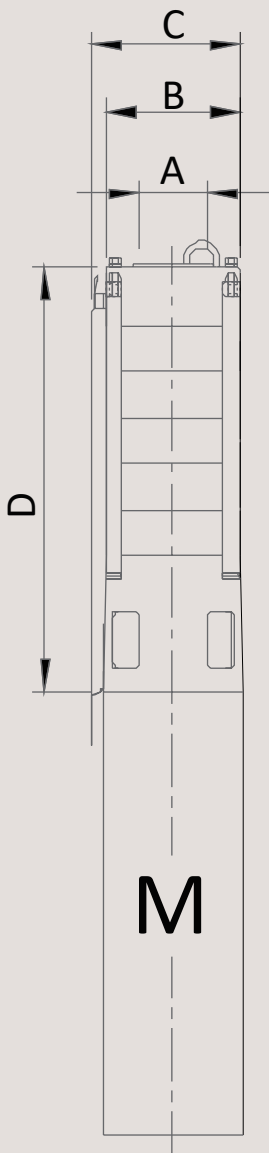
6



Efficiency

MODEL	CAPACITY		POWER		Stages	CAPACITY						Disch		
	GPM	m³/hr	HP	kW		HEAD (m)	m³/hr	0	0.3	0.6	0.9		1.2	1.5
							GPM	0	1.3	2.6	4.0		5.3	6.6
WS-0109			0.5	0.37	9	52	48	45	36	27	14			
WS-0114			0.5	0.37	14	79	76	68	56	38	21			
WS-0118			0.75	0.55	18	102	96	88	72	52	27			
WS-0121	5	1	0.75	0.55	21	118	112	100	81	58	30	1-1/4"		
WS-0128			1	0.75	28	158	153	138	111	78	42			
WS-0136			1.5	1.1	36	205	195	175	134	103	54			
WS-0142			1.5	1.1	42	238	235	203	167	118	67			

7 Specifications & Performance Curve

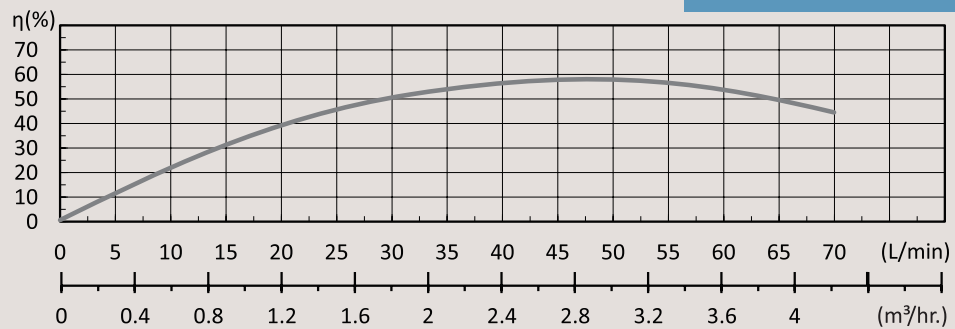
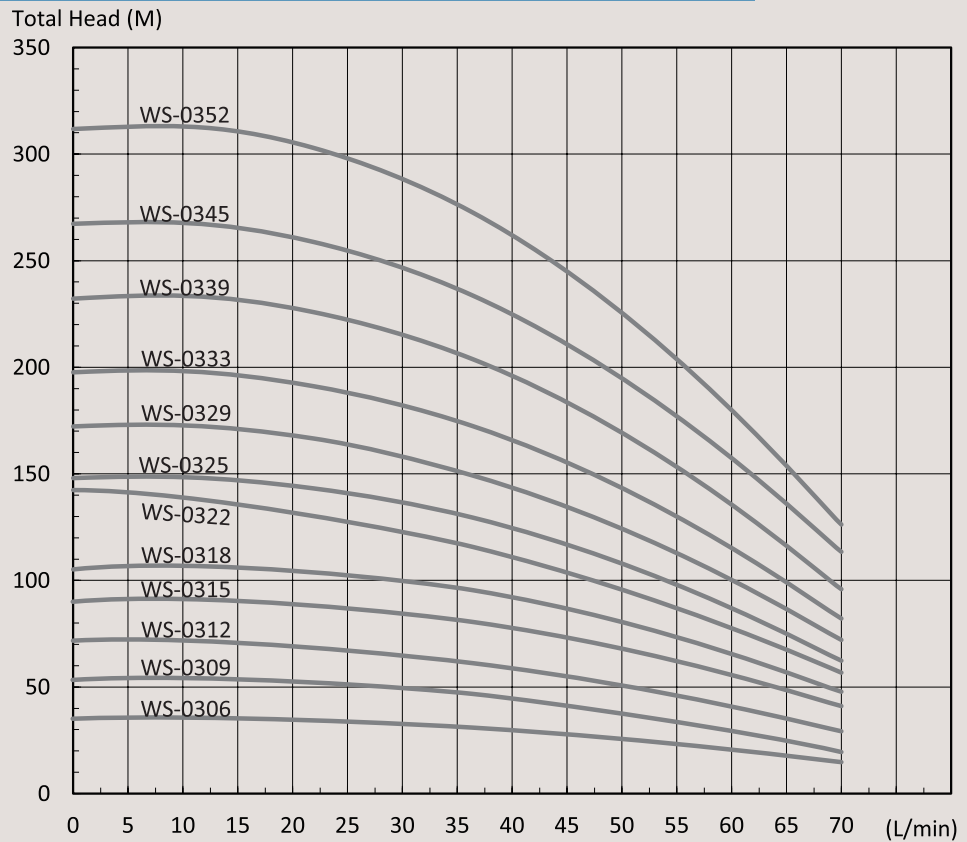
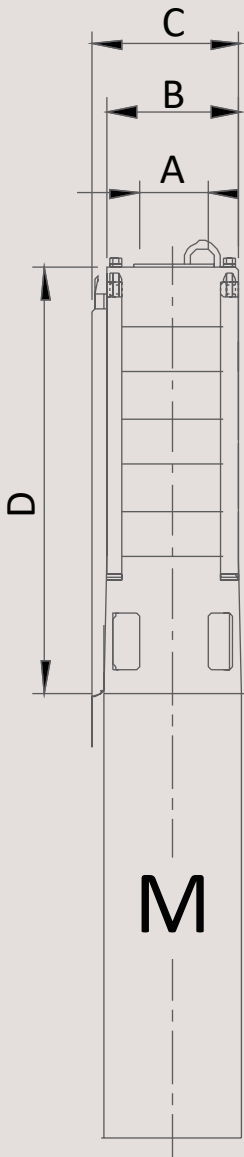


MODEL	CAPACITY		POWER		Stages	CAPACITY						Disch	
	GPM	m³/hr	HP	kW		m³/hr	0	0.9	1.2	1.5	1.8		2.4
						GPM	0	1.8	3.5	5.3	7.0		10.6
						LPM	0	7	13	20	27		40
WS-0209			0.5	0.37	9	53	48	45	42	38	26	1-1/4"	
WS-0213			0.75	0.55	13	77	68	64	58	54	38		
WS-0218			1	0.75	18	104	94	89	83	74	51		
WS-0223	10	2	1.5	1.1	23	136	124	118	108	98	69		
WS-0228			2	1.5	28	166	154	145	134	122	86		
WS-0233			2	1.5	33	195	183	173	159	143	102		
WS-0240			3	2.2	40	235	218	205	190	170	119		
WS-0248			3	2.2	48	280	261	246	228	204	143		

WS-03 series / 4 Inch / 50Hz

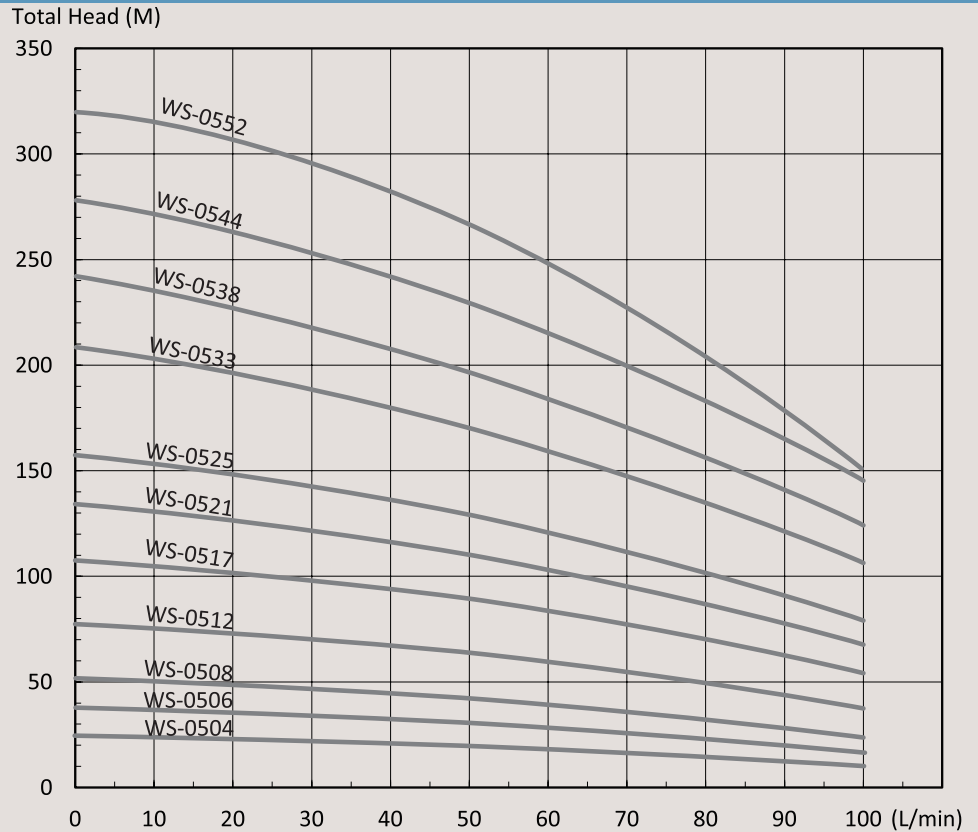
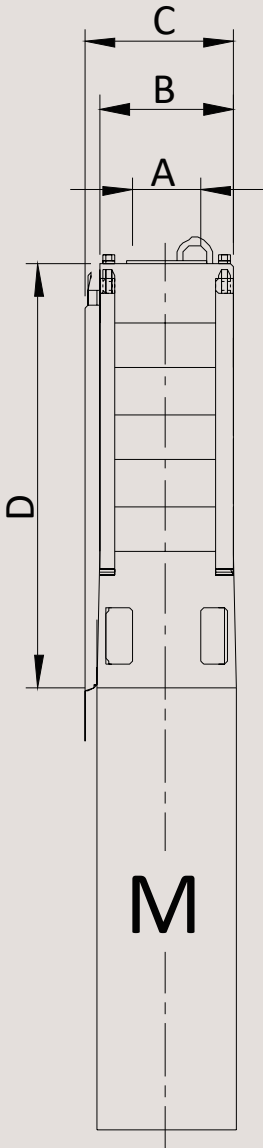
Specifications & Performance Curve

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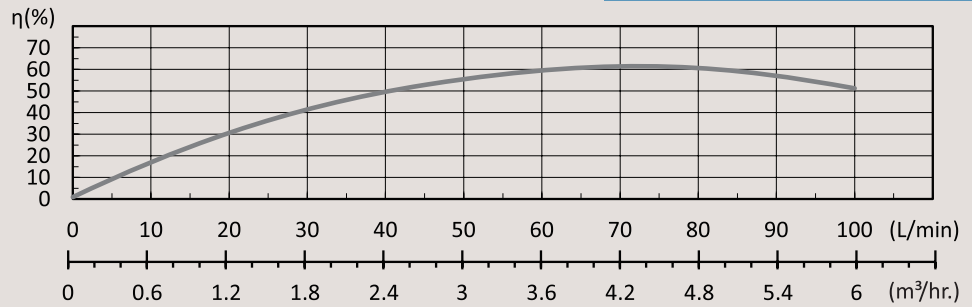


Efficiency

MODEL	CAPACITY		POWER		Stages	CAPACITY						Disch
	GPM	m ³ /hr	HP	kW		m ³ /hr	0	2.1	2.4	3.0	3.6	
WS-0306			0.5	0.37	6	36	31	30	26	22	14	1-1/4"
WS-0309			0.75	0.55	9	54	46	44	38	30	19	
WS-0312			1	0.75	12	72	62	58	52	43	28	
WS-0315			1.5	1.1	15	90	80	77	69	57	40	
WS-0318			1.5	1.1	18	104	94	90	80	67	45	
WS-0322	18	3	2	1.5	22	143	115	110	97	80	54	
WS-0325			2	1.5	25	149	128	124	110	90	60	
WS-0329			3	2.2	29	173	149	143	127	103	70	
WS-0333			3	2.2	33	198	172	164	145	118	80	
WS-0339			4	3	39	232	204	195	172	138	94	
WS-0345			4	3	45	268	233	224	199	162	110	
WS-0352			5.5	4	52	312	272	261	230	184	123	

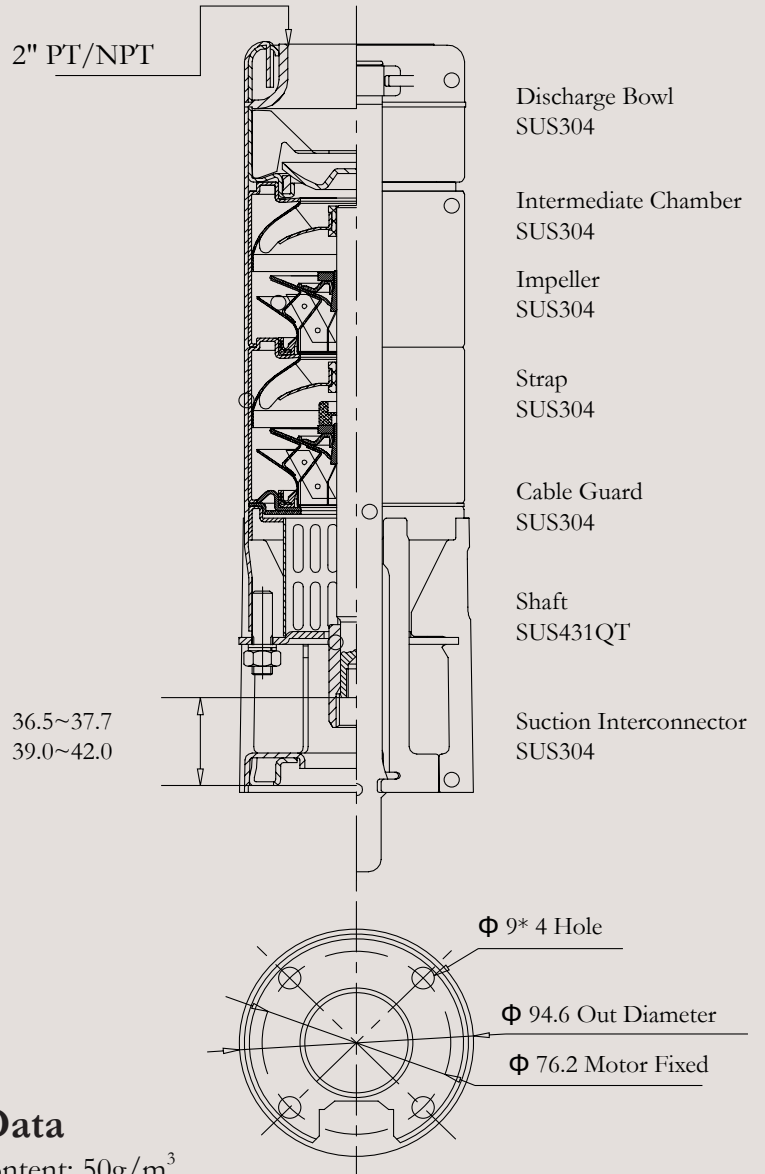


Efficiency



MODEL	CAPACITY		POWER		Stages	CAPACITY						Disch	
	GPM	m^3/hr	HP	kW		m^3/hr	0	3.0	3.6	4.2	4.8		6
						GPM	0	13.2	15.9	18.5	21.1	26.4	
						LPM	0	50	60	70	80	100	
WS-0504			0.5	0.37	4	HEAD (m)	25	20	19	17	15	10	
WS-0506			0.75	0.55	6		38	30	28	26	24	16	
WS-0508			1	0.75	8		52	41	39	36	33	23	
WS-0512			1.5	1.1	12		77	63	60	56	50	37	
WS-0517			2	1.5	17		108	88	84	77	70	54	
WS-0521	25	5	3	2.2	21		134	108	103	96	87	67	1-1/2"
WS-0525			3	2.2	25		157	127	121	113	103	78	
WS-0533			4	3	33		209	168	159	149	137	105	
WS-0538			5.5	4	38		242	194	185	172	158	123	
WS-0544			5.5	4	44		279	226	215	202	187	143	
WS-0552			7.5	5.5	52		321	261	247	233	209	147	

WS-08/14 SERIES CONSTRUCTIONS/APPLICATIONS



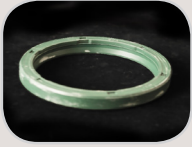
Technical Data

- Max. sand content: 50g/m³
- pH values: 6 to 8
- Liquid Temp. up to 35°C
- Material:
 1. Impellers/Diffusers - SUS 304
 2. Shaft -SUS431 QT

Applications

- Irrigation/ water supply
- Groundwater intake/ water supply
- Dewatering (pastorage, sump, pond, and mining drainage, etc.)
- Fountains
- Pressure boosting

Neck ring with inner pressure coarctation
To prevent water back flow



260HV Strap
Intensity against pumping pressure



Impeller and guide vane with "straight-line" design
Increase pumping efficiency



Round-shape shaft
Robustness leads superior hydraulics



Coupling with 35HRC
Forged coupling to avoid abrasion and perfectly fitted into different types of motors

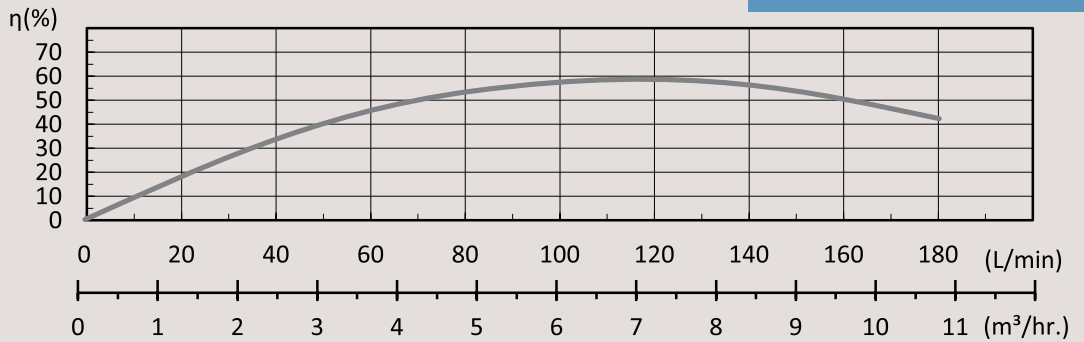
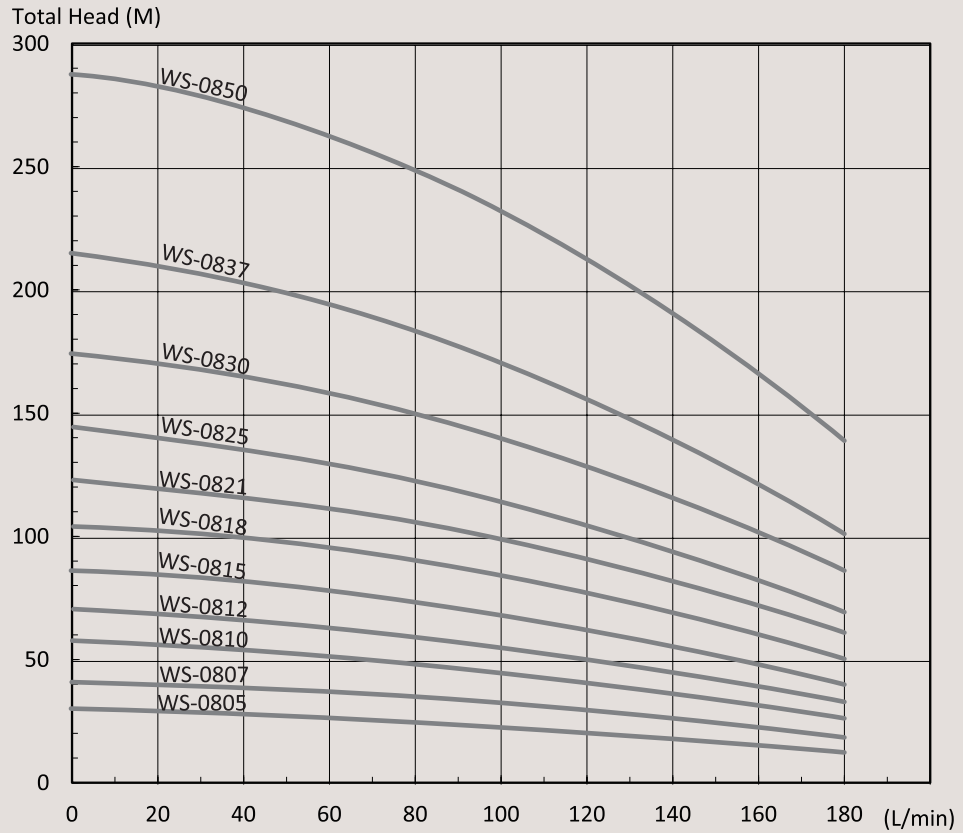
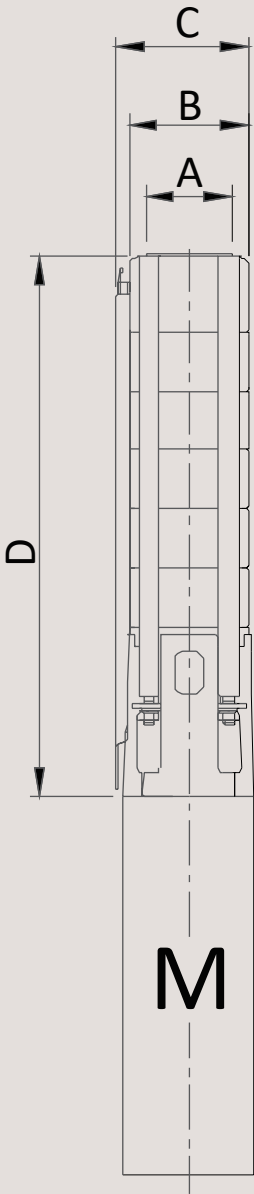


**WS-08/14 SERIES
FEATURES**

WS-08 series / 4 Inch / 50Hz

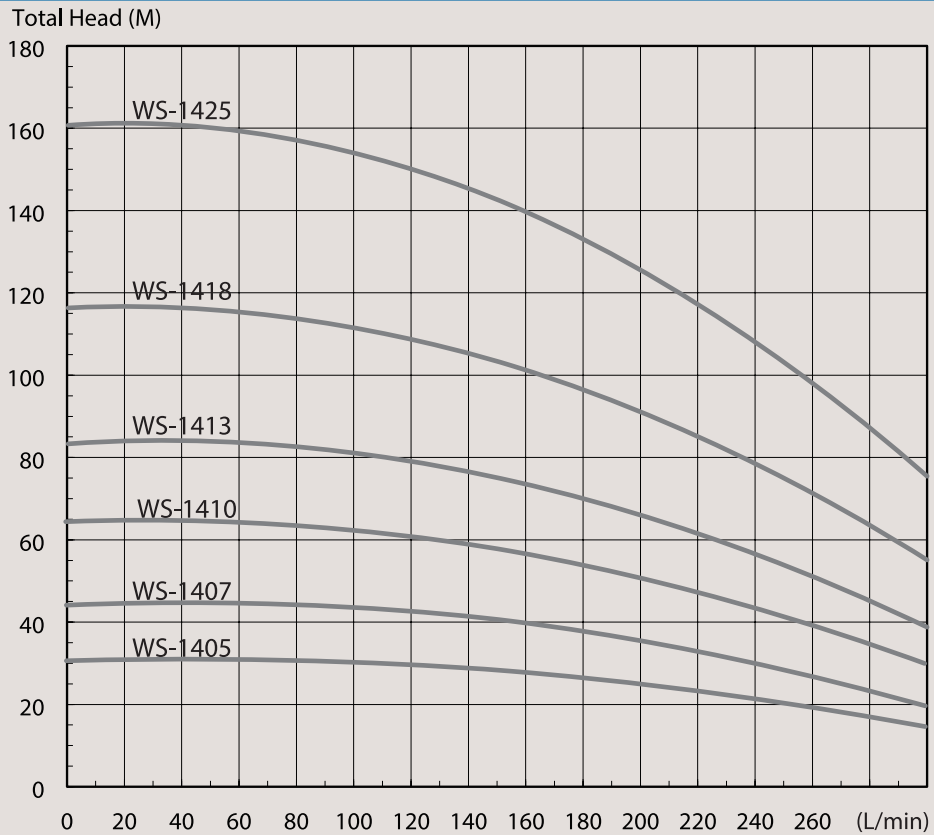
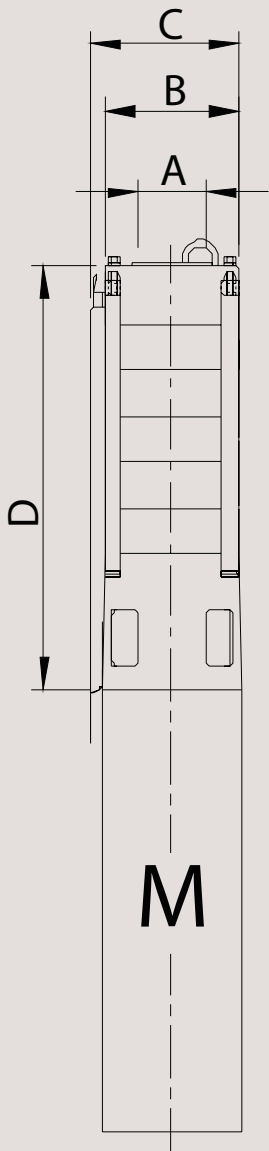
Specifications & Performance Curve

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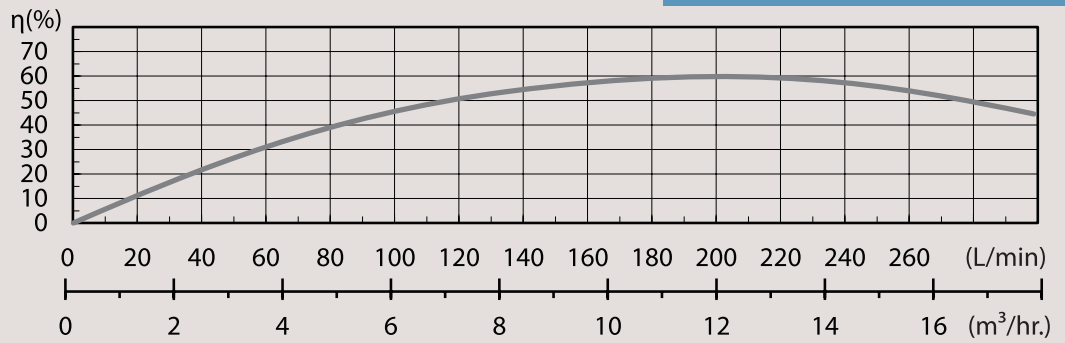


Efficiency

MODEL	CAPACITY		POWER		Stages	CAPACITY						Disch		
	GPM	m^3/hr	HP	kW		HEAD (m)	m^3/hr	0	3.6	4.8	8.4		9.6	10.8
							GPM	0	15.9	21.1	37.0		40.0	47.6
						LPM	0	60	80	140	160	180		
WS-0805			1	0.75	5		30	26	24	19	15	12		
WS-0807			1.5	1.1	7		41	36	35	27	24	17		
WS-0810			2	1.5	10		58	51	47	38	32	25		
WS-0812			3	2.2	12		71	61	58	47	40	31		
WS-0815			3	2.2	15		87	76	72	57	49	38		
WS-0818	40	8	4	3	18		104	93	88	72	60	47		
WS-0821			5.5	4	21		122	107	102	85	72	55		
WS-0825			5.5	4	25		144	126	119	97	84	64		
WS-0830			7.5	5.5	30		174	154	145	120	103	79		
WS-0837			7.5	5.5	37		215	188	177	145	122	93		
WS-0850			10	7.5	50		288	254	242	198	168	129		

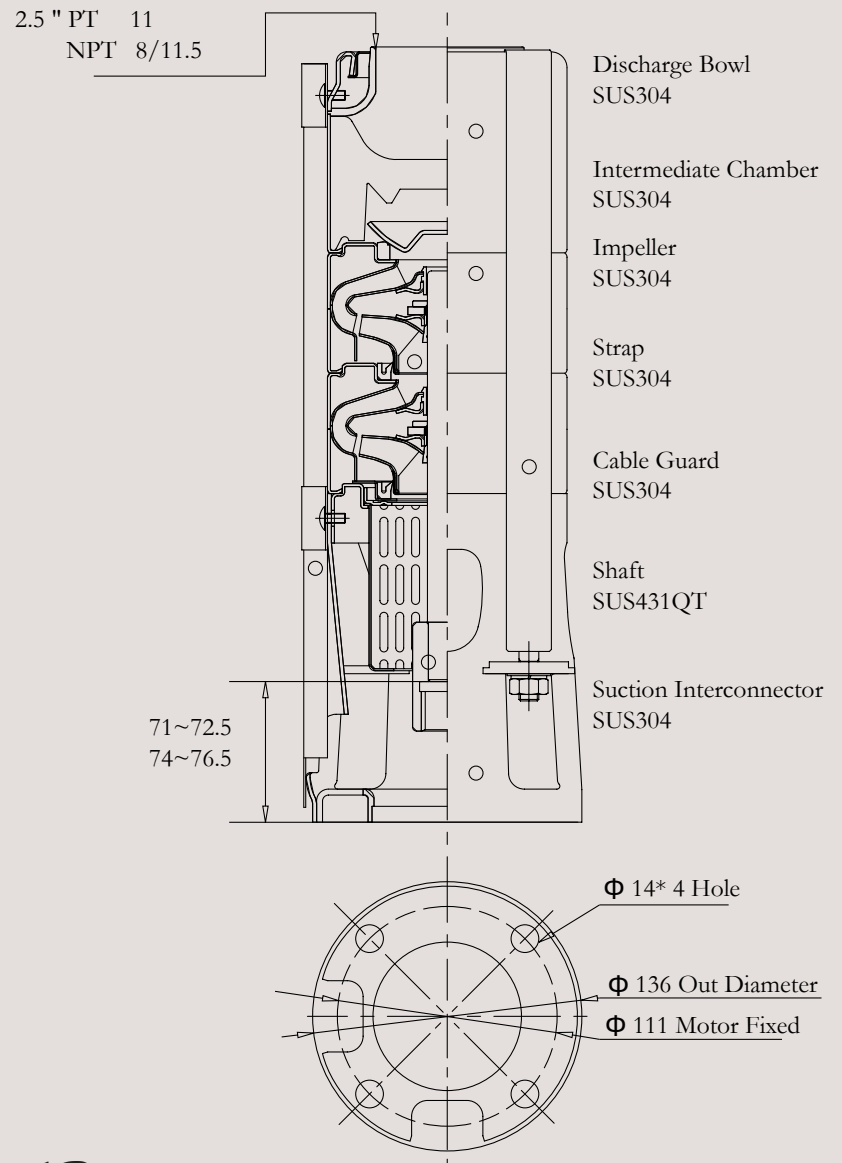
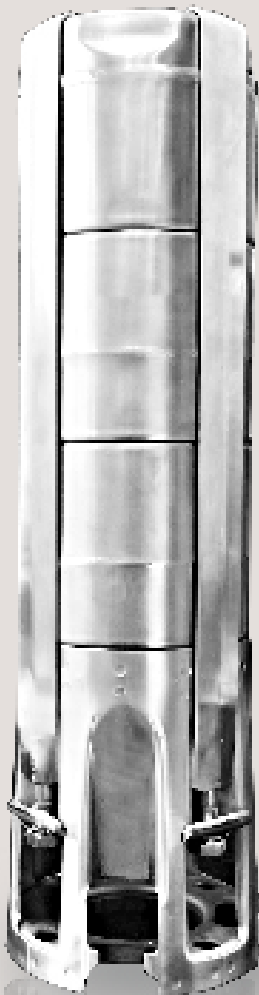


Efficiency



MODEL	CAPACITY		POWER		Stages	CAPACITY						Disch		
	GPM	m³/hr	HP	kW		HEAD (m)	m³/hr	0	6	8.4	12		15	18
							GPM	0	26	37	53		66	79
							LPM	0	100	140	200		250	300
WS-1405			2	1.5	5	32	31	29	26	22	16			
WS-1407			3	2.2	7	45	44	42	36	30	20			
WS-1410	75	14	4	3	10	65	62	58	52	43	29			
WS-1413			5.5	4	13	84	80	77	67	56	38			
WS-1418			7.5	5.5	18	117	111	104	93	77	54			
WS-1425			10	7.5	25	163	154	145	129	107	75			

WS-17/30 SERIES CONSTRUCTIONS/APPLICATIONS



Technical Data

- Max. sand content: 50g/m³
- pH values: 6 to 8
- Liquid Temp. up to 35°C
- Material:
 1. Impellers/Diffusers - SUS 304
 2. Shaft -SUS431 QT

Applications

- Irrigation/ water supply
- Groundwater intake/ water supply
- Dewatering (pastorage, sump, pond, and mining drainage, etc.)
- Fountains
- Pressure boosting

Neck ring with inner pressure coarctation design
To prevent water back flow

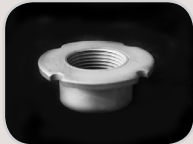


260HV Strap
Intensity against pumping pressure



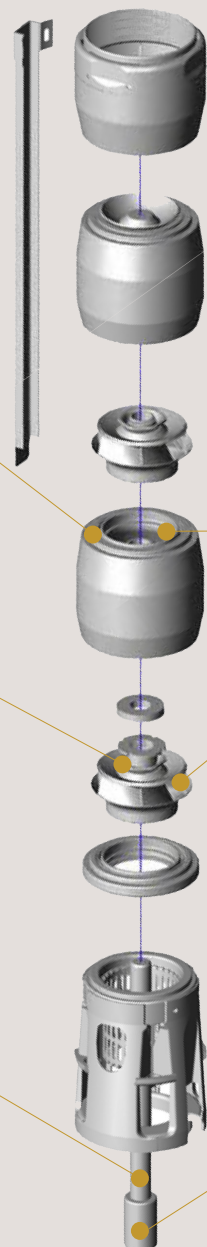
Impeller and guide vane with "straight-line" design
Increase pumping efficiency

Move bearing with 50HRC
Leads much lower abrasion and better lifespan



Coupling with 35HRC Forged coupling to avoid abrasion and perfectly fitted into different types of motors

Round-shape shaft
Robustness leads superior hydraulics

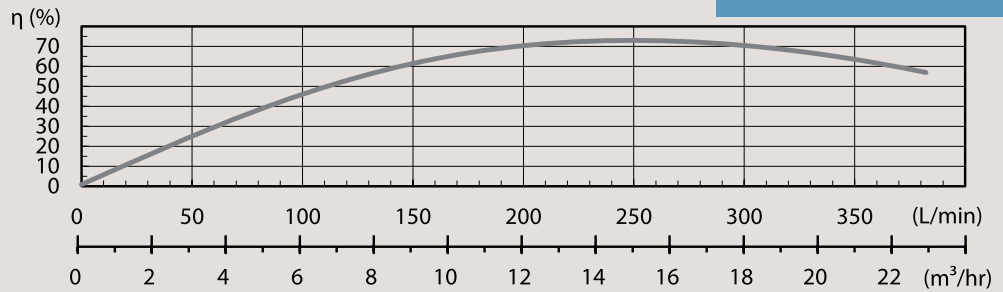
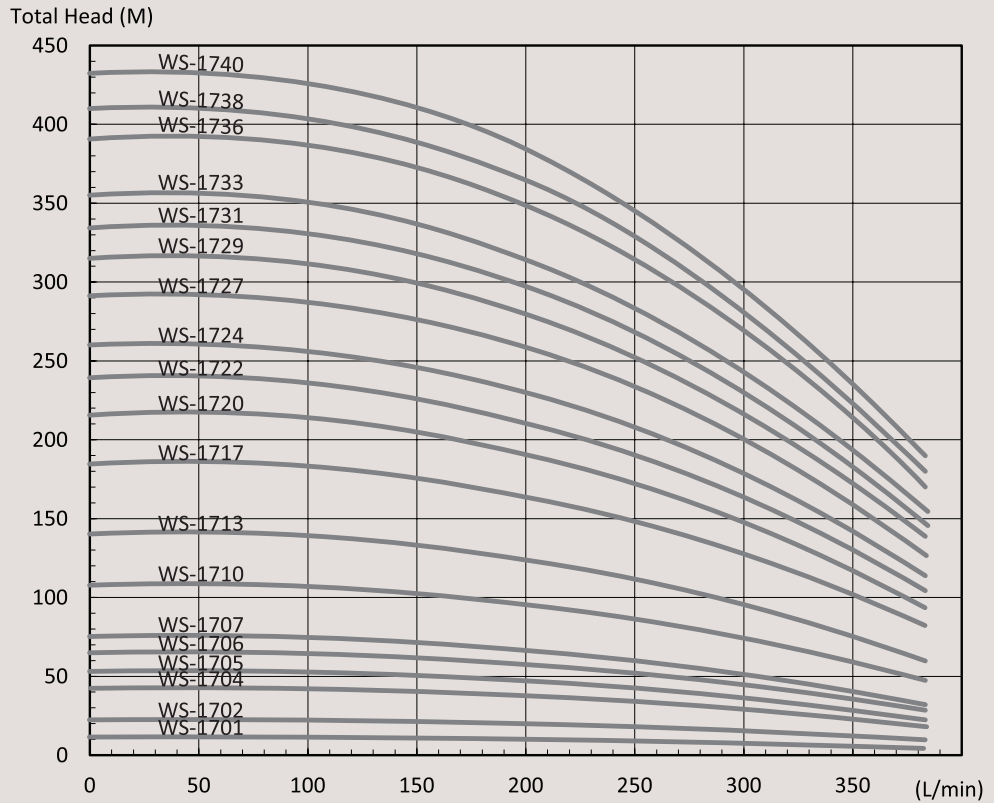
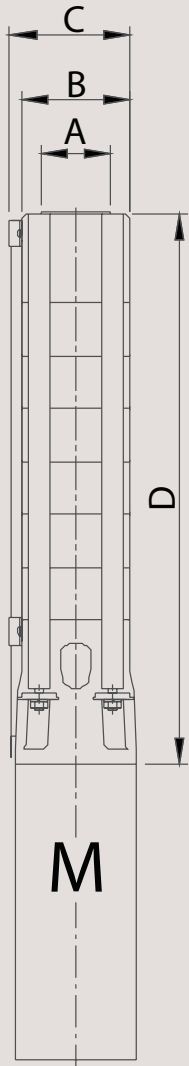


WS-17/30 SERIES
FEATURES

WS-17 series / 6 Inch / 50Hz

Specifications & Performance Curve

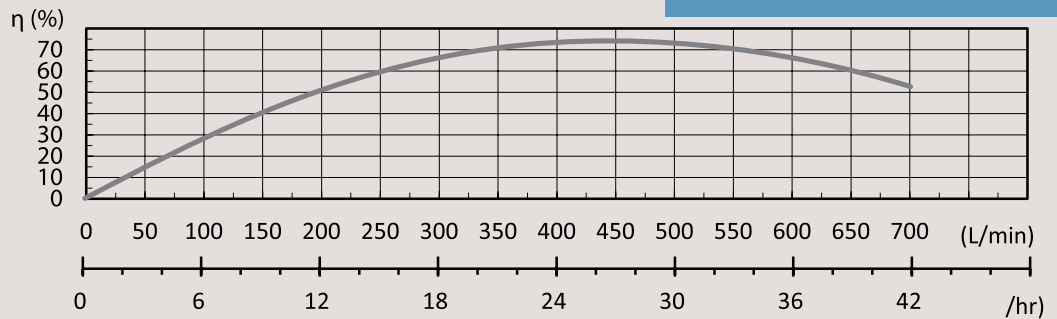
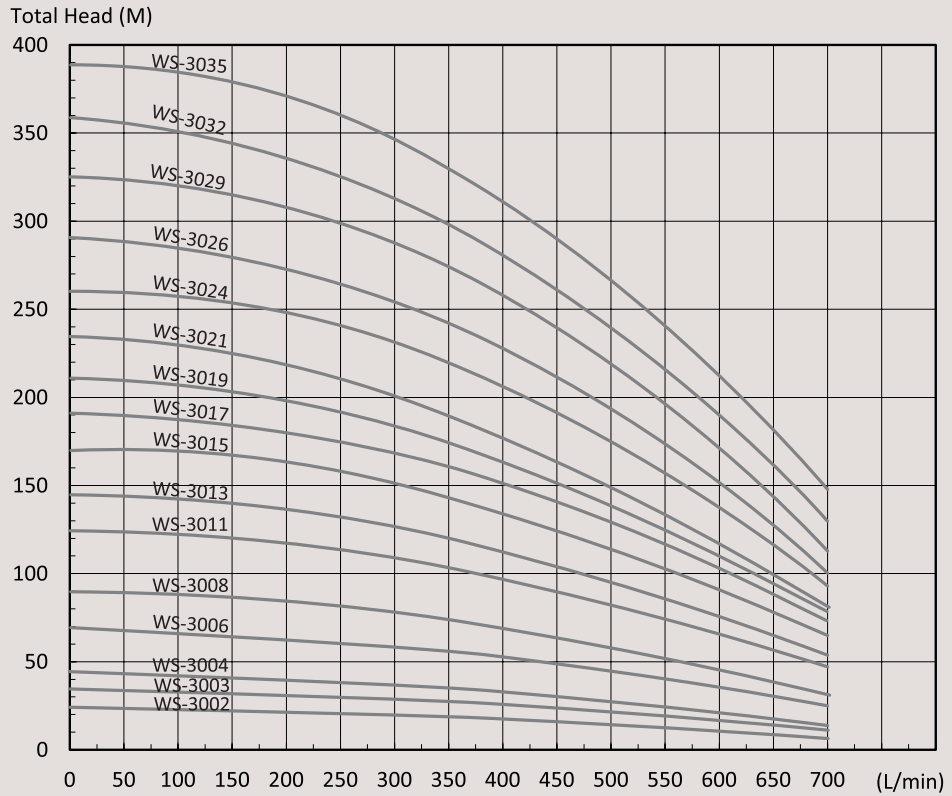
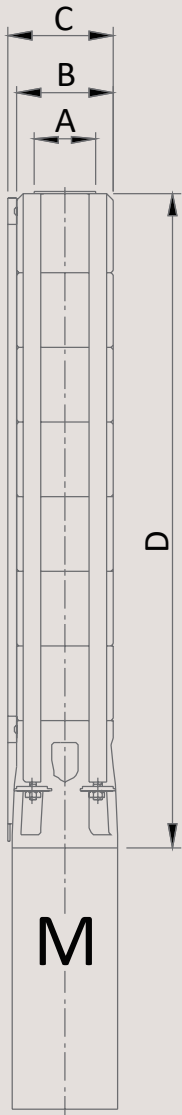
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Efficiency

MODEL	CAPACITY		POWER		Stages	CAPACITY						Disch	
	GPM	m^3/hr	HP	kW		m ³ /hr	0	12	15	18	21		23
							GPM	0	53	66	85		75
						LPM	0	200	250	300	350	383	
WS-1701			0.75	0.55	1		11.5	9.5	8	7	6	4	
WS-1702			1.5	1.1	2		22	19	17.5	14	12	9	
WS-1704			3	2.2	4		42.5	38	33	28.5	23	18	
WS-1705			4	3	5		53	47.5	42.5	37	28.5	22	
WS-1706			5	3.7	6		64	56	50	43	34	27	
WS-1707			5.5	4	7		75	66	59	50.5	40	32	
WS-1710			7.5	5.5	10		108	95	86	74	58	48	
WS-1713			10	7.5	13		141	124	112	95	75	60	
WS-1717			12.5	9.3	17		184	163	147	126	100	80	
WS-1720	85	17	15	11	20	HEAD (m)	216	192	173	147	116	95	2 1/2"
WS-1722			17.5	13	22		239	212	190	163	129	105	
WS-1724			17.5	13	24		260	230	208	178	140	115	
WS-1727			20	15	27		291	259	234	200	158	128	
WS-1729			25	18.5	29		314	279	250	215	170	138	
WS-1731			25	18.5	31		335	298	269	230	181	148	
WS-1733			25	18.5	33		355	315	285	243	191	157	
WS-1736			30	22	36		390	348	313	268	210	170	
WS-1738			30	22	38		410	365	330	281	222	180	
WS-1740			30	22	40		433	384	346	296	235	190	

17 Specifications & Performance Curve



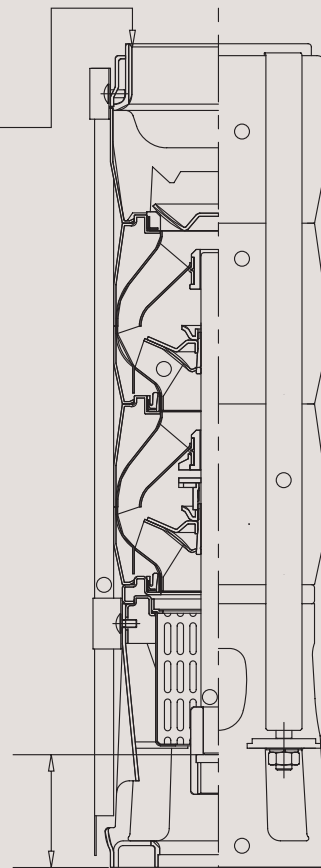
MODEL	CAPACITY		POWER		Stages	CAPACITY						Disch	
	GPM	m ³ /hr	HP	KW		m ³ /hr	0	18	24	30	36		42
							GPM	0	79	106	132		159
						LPM	0	300	400	500	600	700	
WS-3002			3	2.2	2	HEAD (m)	24	19	17	15	11	6	
WS-3003			4	3	3		34	29	26	22	17	11	
WS-3004			5	3.7	4		45	38	34	28	23	15	
WS-3006			7.5	5.5	6		69	58	52	45	36	25	
WS-3008			10	7.5	8		90	78	68	58	46	31	
WS-3011			15	11	11		124	108	97	83	67	47	
WS-3013			15	11	13		146	127	113	97	77	55	
WS-3015	300	30	20	15	15		170	150	134	113	90	65	3"
WS-3017			20	15	17		190	167	148	127	103	71	
WS-3019			25	18.5	19		210	182	161	137	110	77	
WS-3021			25	18.5	21		235	202	177	149	117	80	
WS-3024			30	22	24		260	230	207	175	137	93	
WS-3026			30	22	26		290	255	227	194	152	100	
WS-3029			35	26	29		325	287	257	220	170	113	
WS-3032			40	30	32		358	313	281	240	190	130	
WS-3035			40	30	35		388	346	311	267	211	148	

WS-46/60 SERIES CONSTRUCTIONS/APPLICATIONS



3/4" PT 11
NPT 8/11.5

71~72.5
74~76.5



Discharge Bowl
SUS304

Intermediate Chamber
SUS304

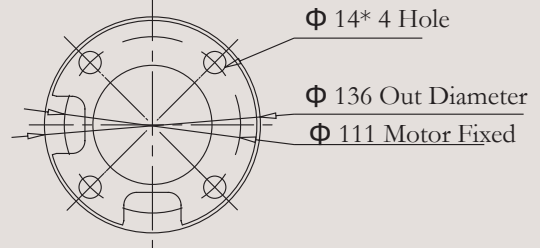
Impeller
SUS304

Strap
SUS304

Cable Guard
SUS304

Shaft
SUS431QT

Suction Interconnector
SUS304



Φ 14* 4 Hole

Φ 136 Out Diameter

Φ 111 Motor Fixed

Technical Data

- Max. sand content: 50g/m³
- pH values: 6 to 8
- Liquid Temp. up to 35°C
- Material:
 1. Impellers/Diffusers - SUS 304
 2. Shaft -SUS431 QT

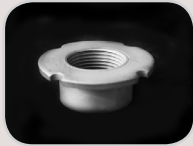
Applications

- Irrigation/ water supply
- Groundwater intake/ water supply
- Dewatering (pasturage, sump, pond, and mining drainage, etc.)
- Fountains
- Pressure boosting

Neck ring with inner pressure coarctation design
To prevent water back flow



Move bearing with 50HRC
Leads much lower abrasion and better lifespan



Round-shape shaft
Robustness leads superior hydraulics



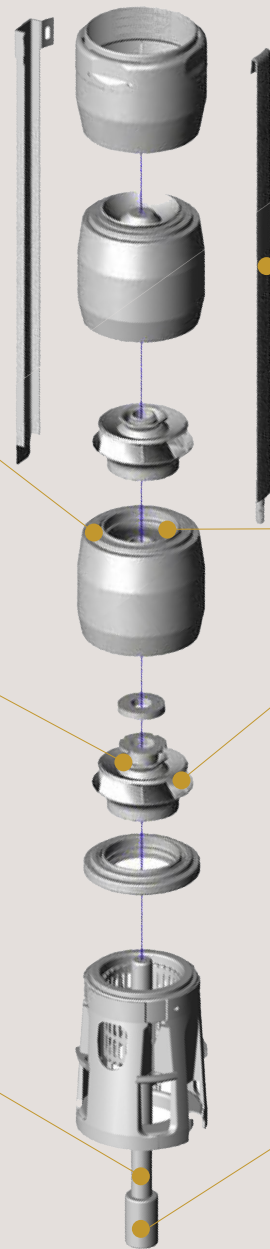
260HV Strap
Intensity against pumping pressure



Impeller and guide vane with "straight-line" design
Increase pumping efficiency



Coupling with 35HRC
Forged coupling to avoid abrasion and perfectly fitted into different types of motors

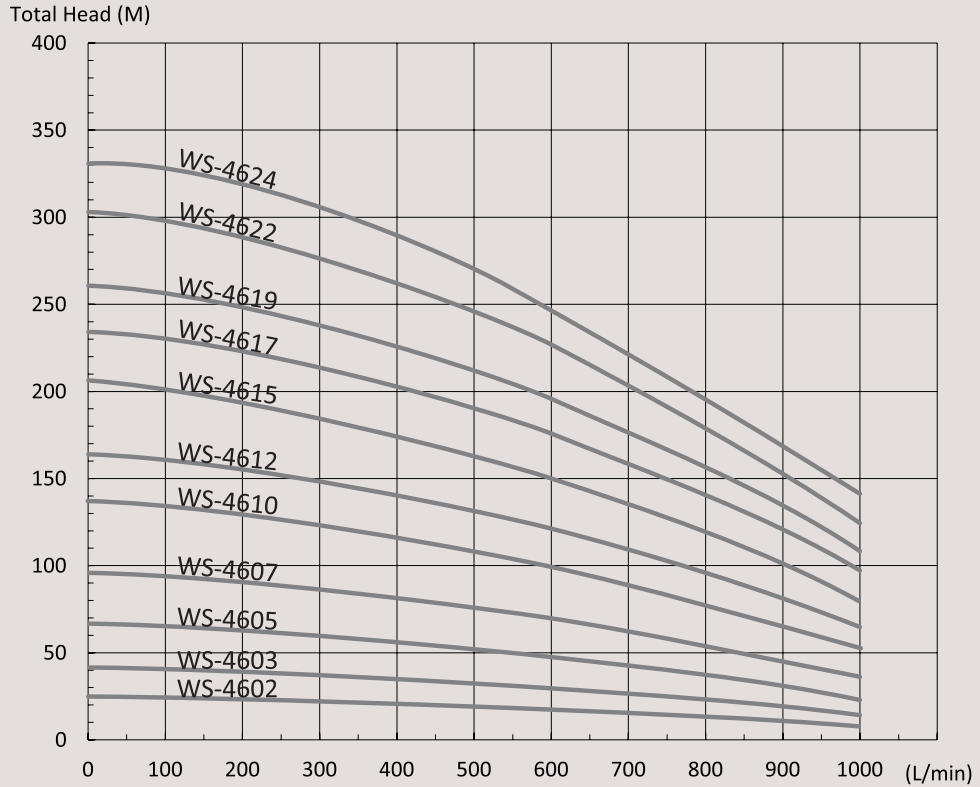
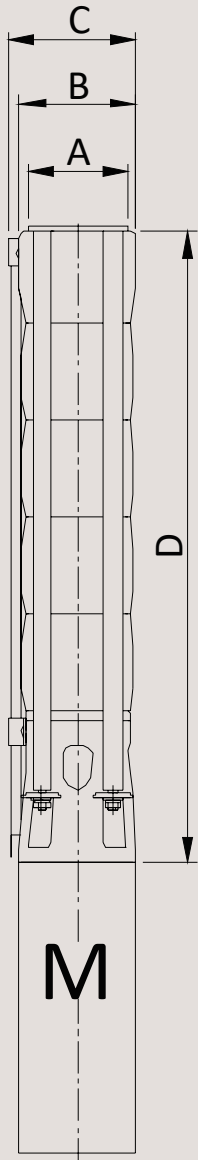


WS-46/60 SERIES
FEATURES

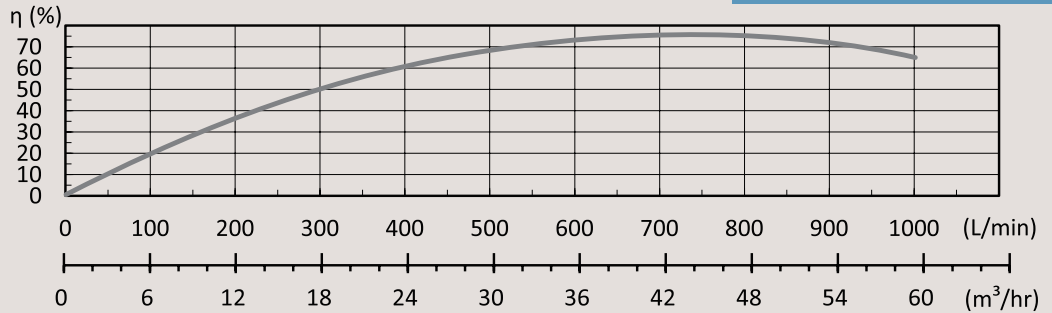
WS-46 series / 6 Inch / 50Hz

Specifications & Performance Curve

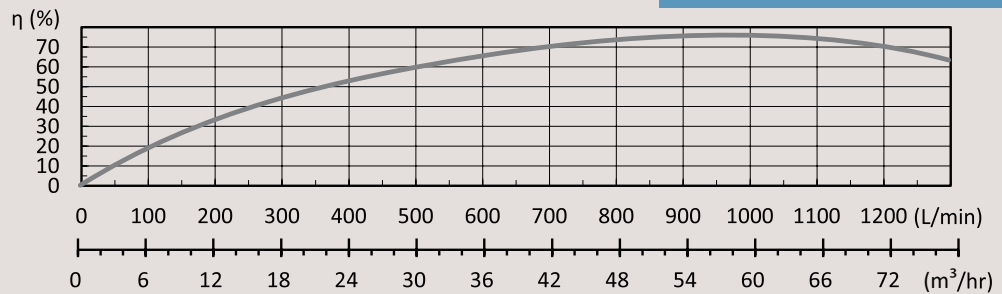
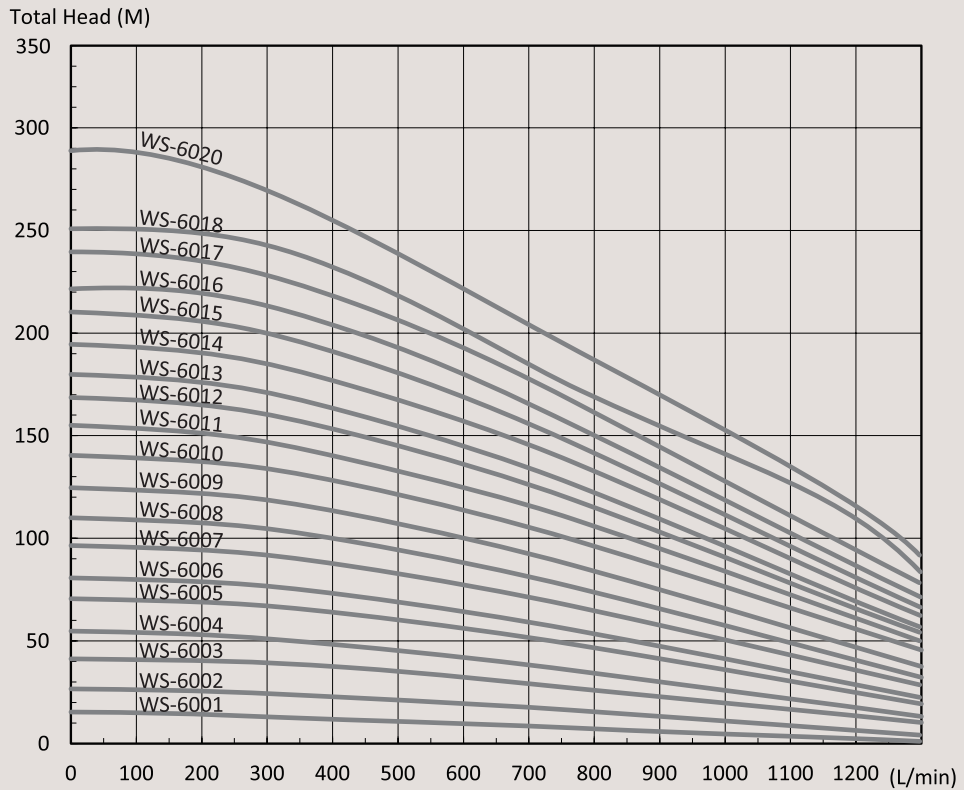
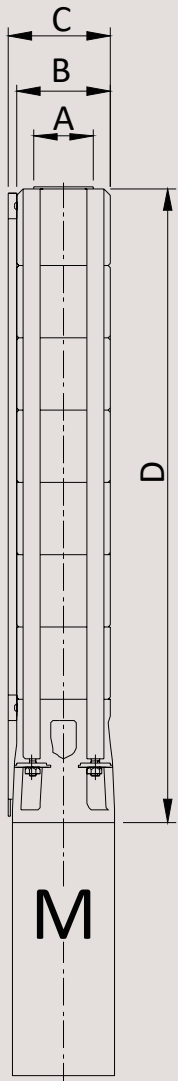
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Efficiency



MODEL	CAPACITY		POWER		Stages	CAPACITY						Disch		
	GPM	m^3/hr	HP	kW		HEAD (m)	m^3/hr	0	15	24	30		48	60
							GPM	0	66	106	132		211	264
						LPM	0	250	400	500	800	1000		
WS-4602			4	3	2		26	23.5	22	20	15	9		
WS-4603			7.5	5.5	3		41	39	35	33	23	14		
WS-4605			10	7.5	5		68	63	57	53	39	24		
WS-4607			15	11	7		69	92	82	76	57	37		
WS-4610			20	15	10		138	130	117	107	80	53		
WS-4612	230	46	25	18.5	12		163	155	140	130	98	64	4"	
WS-4615			30	22	15		208	195	176	163	124	81		
WS-4617			35	26	17		234	222	200	186	143	96		
WS-4619			40	30	19		260	248	224	208	160	107		
WS-4622			50	37	22		302	288	260	241	183	123		
WS-4624			50	37	24		330	317	287	265	199	140		

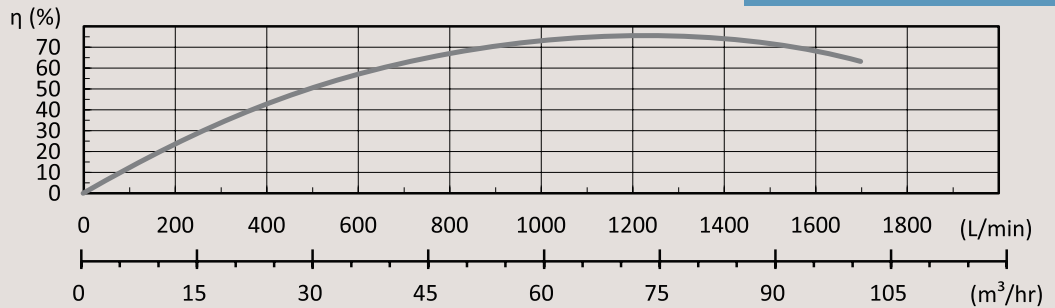
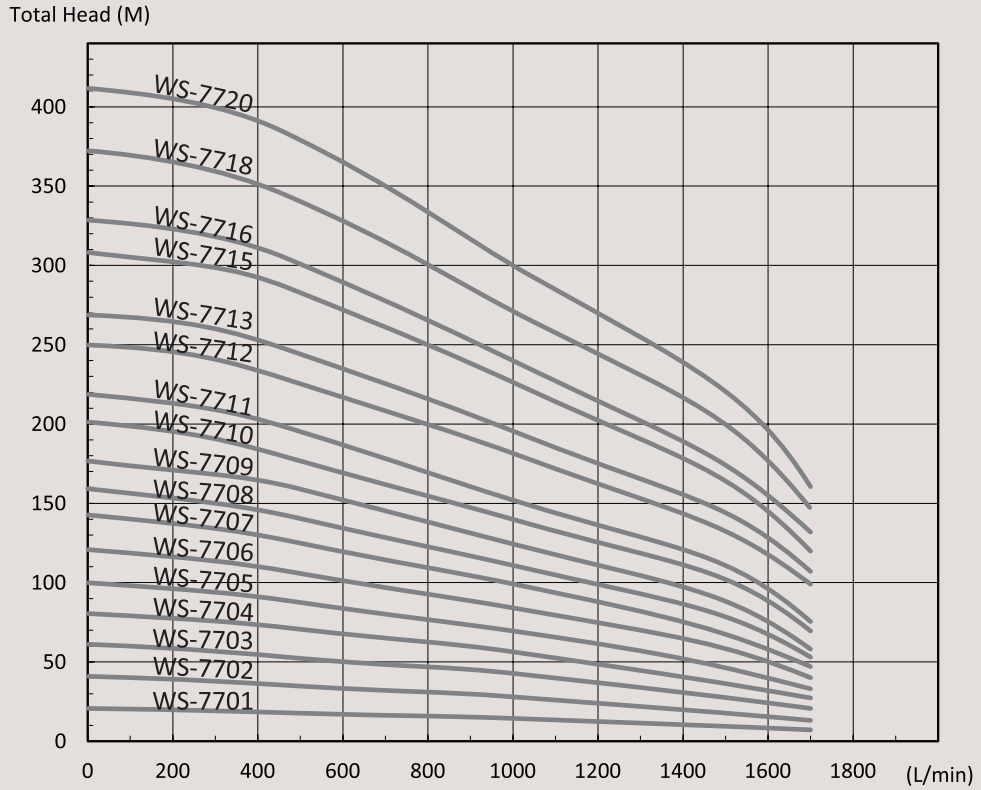
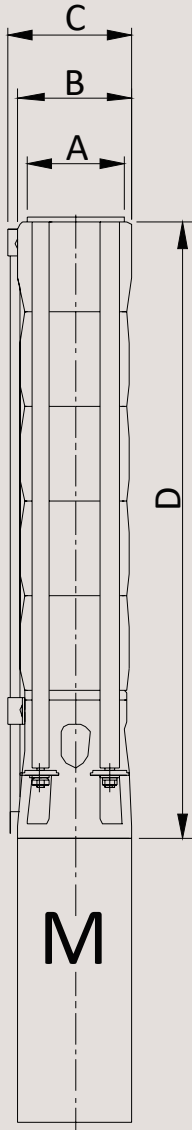


MODEL	CAPACITY		POWER		Stages	CAPACITY						Disch	
	GPM	m³/hr	HP	kW		m³/hr	0	18	27	42	60		78
						GPM	0	79	119	185	264	343	
						LPM	0	300	450	700	1000	1300	
WS-6001			3	2.2	1	HEAD (m)	15.4	13	11.5	8	5	1	4"
WS-6002			5.5	4	2		27	26	23	18	13	5	
WS-6003			7.5	5.5	3		41	40	37	28	21	10	
WS-6004			10	7.5	4		55	53	48	38	28	14	
WS-6005			12.5	11	5		70	67	62	50	38	19	
WS-6006			15	11	6		81	79	73	58	44	23	
WS-6007			17.5	13	7		97	94	86	70	54	29	
WS-6008			20	15	8		110	106	97	80	60	33	
WS-6009			25	18.5	9		125	122	112	91	69	38	
WS-6010	300	60	25	18.5	10		140	135	125	102	78	45	
WS-6011			30	22	11		154	148	137	112	86	49	
WS-6012			30	22	12		168	162	148	122	94	53	
WS-6013			35	26	13		180	173	160	132	100	57	
WS-6014			35	26	14		194	188	175	142	109	63	
WS-6015			35	26	15		210	203	187	152	116	67	
WS-6016			40	30	16		222	216	200	162	123	72	
WS-6017			50	37	17	240	230	241	175	132	78		
WS-6018			50	37	18	251	243	226	185	141	83		
WS-6020			50	37	20	288	267	248	201	153	90		

WS-77 series / 8 Inch / 50Hz

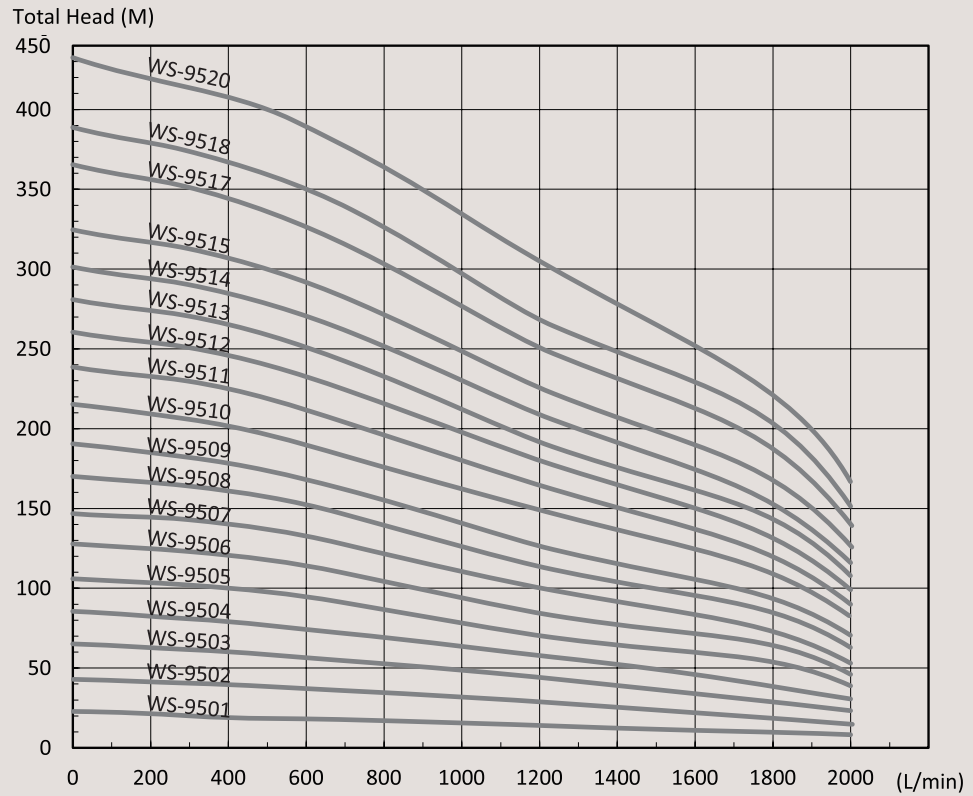
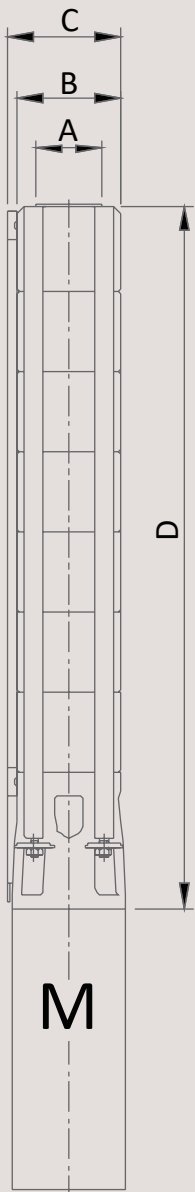
Specifications & Performance Curve

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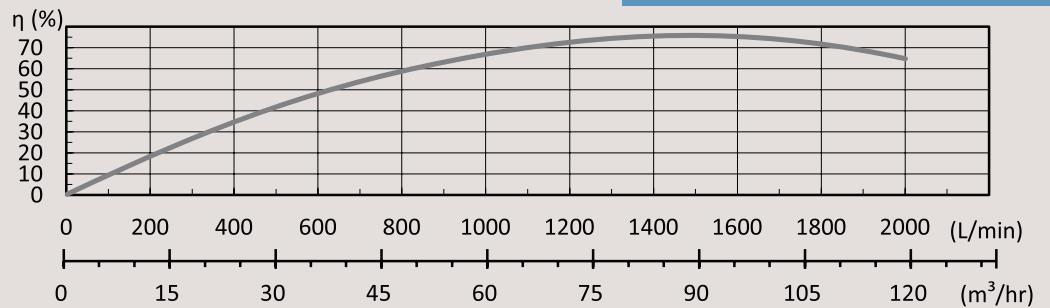


Efficiency

MODEL	CAPACITY		POWER		Stages	CAPACITY						Disch	
	GPM	m³/hr	HP	kW		m³/hr	0	18	36	54	78		102
						LPM	0	300	600	900	1300	1700	
WS-7701			7.5	5.5	1		21	19.5	17	14	12	7	
WS-7702			10	7.5	2		41	37	33	28	23	13	
WS-7703			15	11	3		61	57	50	43	35	20	
WS-7704			20	15	4		80	76	67	58	46	27	
WS-7705			25	18.5	5		100	94	84	73	57	33	
WS-7706			30	22	6		121	113	101	88	70	40	
WS-7707			35	26	7		142	133	120	104	81	47	
WS-7708			40	30	8		159	150	135	117	93	53	
WS-7709	385	77	40	30	9	HEAD (m)	177	167	152	131	104	58	5"
WS-7710			50	37	10		200	188	168	145	117	68	
WS-7711			50	37	11		218	207	186	159	128	74	
WS-7712			60	45	12		249	240	217	190	154	99	
WS-7713			75	55	13		269	259	235	205	166	107	
WS-7715			75	55	15		308	298	273	237	191	120	
WS-7716			85	63	16		328	318	290	252	202	132	
WS-7718			85	63	18		372	359	328	285	230	147	
WS-7720			100	75	20		410	397	364	315	254	159	



Efficiency



MODEL	CAPACITY		POWER		Stages	CAPACITY						Disch	
	GPM	m^3/hr	HP	kW		m^3/hr	0	18	36	60	96		120
							GPM	0	79	158	264		422
						LPM	0	300	600	1000	1600	2000	
WS-9501	475	95	7.5	5.5	1	HEAD (m)	22	21	18	15	12	8	5"
WS-9502			12.5	9.3	2		43	41	37	31	23	15	
WS-9503			17.5	13	3		65	62	57	47	35	23	
WS-9504			25	18.5	4		84	82	75	62	47	30	
WS-9505			30	22	5		106	102	94	77	59	38	
WS-9506			35	26	6		128	123	114	94	72	46	
WS-9507			40	30	7		147	143	132	110	83	53	
WS-9508			50	37	8		170	164	152	126	95	62	
WS-9509			50	37	9		190	182	169	140	106	68	
WS-9510			60	45	10		215	206	190	162	124	82	
WS-9511			75	55	11		238	230	212	180	137	90	
WS-9512			75	55	12		260	250	231	197	150	99	
WS-9513			75	55	13		280	268	250	210	160	106	
WS-9514			85	63	14		301	291	271	230	174	116	
WS-9515			100	75	15		325	312	292	248	190	126	
WS-9517			100	75	17		365	350	327	277	212	140	
WS-9518	125	93	18	388	372	350	296	227	150				
WS-9520	125	93	20	431	412	388	333	251	166				

WS-01 Series

MODEL	LENGTH	WEIGHT
	mm	KG
WS-0109	354	3.1
WS-0114	459	4
WS-0118	543	4.7
WS-0121	606	5.2
WS-0128	753	6.6
WS-0136	946	8.6
WS-0142	1072	9.8

WS-02 Series

MODEL	LENGTH	WEIGHT
	mm	KG
WS-0209	354	3.2
WS-0213	438	4
WS-0218	543	5.1
WS-0223	648	6.2
WS-0228	753	7
WS-0233	858	8.1
WS-0240	1041	10.4
WS-0248	1209	12.1

WS-03 Series

MODEL	LENGTH	WEIGHT
	mm	KG
WS-0306	291	2.6
WS-0309	354	3.1
WS-0312	417	3.7
WS-0315	480	4.2
WS-0318	543	4.9
WS-0322	627	5.4
WS-0325	690	6
WS-0333	858	7.9
WS-0339	984	9.2
WS-0345	1110	10.4
WS-0352	1257	11.8

WS-05 Series

MODEL	LENGTH	WEIGHT
	mm	KG
WS-0504	249	2.2
WS-0506	291	2.3
WS-0508	333	2.9
WS-0512	417	3.7
WS-0517	522	4.7
WS-0521	606	5.3
WS-0525	690	6.4
WS-0533	858	7.8
WS-0538	999	9.7
WS-0544	1125	11
WS-0552	1293	13.2

WS-08 Series

MODEL	LENGTH	WEIGHT
	mm	KG
WS-0805	385	4.1
WS-0807	469	5.1
WS-0810	595	6.6
WS-0812	679	7.6
WS-0815	805	9.1
WS-0818	931	10.6
WS-0821	1057	12.1
WS-0825	1225	14.1
WS-0830	1435	16.6
WS-0837	1729	20.1
WS-0850	2275	26.6

WS-14 Series

MODEL	LENGTH	WEIGHT
	mm	KG
WS-1405	503	4.9
WS-1407	633	5.9
WS-1410	828	7.4
WS-1413	1023	8.9
WS-1418	1348	11.4
WS-1425	1803	14.9

WS-17 Series

MODEL	LENGTH	WEIGHT
	mm	KG
WS-1701	317	4.6
WS-1702	377	5.9
WS-1704	497	8.5
WS-1705	557	9.8
WS-1706	617	11.1
WS-1707	677	12.4
WS-1710	857	16.1
WS-1713	1052	20.3
WS-1717	1292	25.4
WS-1720	1472	29.2
WS-1724	1712	34.3
WS-1727	1892	38.2
WS-1729	2012	40.8
WS-1731	2132	43.4
WS-1733	2252	46
WS-1736	2432	49.9
WS-1738	2552	52.5
WS-1740	2672	55.1

WS-30 Series

MODEL	LENGTH	WEIGHT
	mm	KG
WS-3002	449	6.5
WS-3003	545	8.2
WS-3004	641	9.9
WS-3006	833	13.8
WS-3008	1025	17.3
WS-3011	1313	22.7
WS-3013	1505	26.1
WS-3015	1697	29.6
WS-3017	1889	33.2
WS-3019	2081	36.7
WS-3021	2273	40.2
WS-3024	2561	45.3
WS-3026	2753	48.7
WS-3029	3041	53.8
WS-3032	3329	58.9
WS-3035	3617	64

WS-46 Series

MODEL	LENGTH	WEIGHT
	mm	KG
WS-4602	504	8.5
WS-4603	617	10.7
WS-4605	858	15.2
WS-4607	1084	19.7
WS-4610	1423	26.5
WS-4612	1649	31
WS-4615	1988	37.8
WS-4617	2214	42.3
WS-4619	2240	46.7
WS-4622	2779	53.3
WS-4624	2892	57.8

WS-60 Series

MODEL	LENGTH	WEIGHT
	mm	KG
WS-6001	391	6.4
WS-6002	504	8.7
WS-6003	617	11
WS-6004	745	13.2
WS-6005	873	15.4
WS-6006	971	17.8
WS-6007	1084	20.1
WS-6008	1197	22.3
WS-6009	1314	24.6
WS-6010	1423	26.9
WS-6011	1536	29.2
WS-6012	1762	31.4
WS-6013	1649	33.7
WS-6014	1878	36
WS-6015	1988	38.2
WS-6016	2098	40.4
WS-6017	2208	42.6
WS-6018	2318	44.8
WS-6020	2538	49.2

WS-77 Series

MODEL	LENGTH	WEIGHT
	mm	KG
WS-7701	618	25.1
WS-7702	746	28.7
WS-7703	874	32.3
WS-7704	1003	35.9
WS-7705	1131	39.5
WS-7706	1259	43
WS-7707	1387	46.6
WS-7708	1515	50.2
WS-7709	1644	53.8
WS-7710	1772	57.4
WS-7711	1900	61
WS-7712	2039	66
WS-7713	2168	69.6
WS-7715	2424	76.8
WS-7716	2552	80.4
WS-7718	2809	87.6
WS-7720	3065	94.8

WS-95 Series

MODEL	LENGTH	WEIGHT
	mm	KG
WS-9501	618	25.1
WS-9502	746	28.7
WS-9503	874	32.3
WS-9504	1003	35.9
WS-9505	1131	39.5
WS-9506	1259	43
WS-9507	1387	46.6
WS-9508	1515	50.2
WS-9509	1644	53.8
WS-9510	1783	58.8
WS-9511	1911	62.4
WS-9512	2039	66
WS-9513	2168	69.6
WS-9514	2296	73.2
WS-9515	2424	76.7
WS-9517	2680	84
WS-9518	2809	87.6
WS-9520	3065	94.8



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