

PYD

ELECTROBOMBAS

Serie 4ST



DIFUSORES REFORZADOS EN INOX

REINFORCED STAINLESS STEEL DIFFUSERS •
DIFFUSEURS EN ACIER INOXYDABLE RENFORCÉ

CATÁLOGO TÉCNICO

Bombas sumergibles para pozos profundos de 4 " o grandes, fabricadas con materiales resistentes a la corrosión y abrasión, acopladas al motor sumergible NEMA standar.

Diseñado para caudales de hasta 28m³/ h y cabezal hasta 325 metros.

Submersible pumps for 4" or larger deep wells made of corrosion and abrasion resistant materials corrosion and abrasion resistant materials, coupled to a NEMA standard NEMA standard.

Designed for flow rates up to 28m³ / h and head up to 325 meters up to 325 metres.

Pompes submersibles pour puits profonds de 4" ou plus, fabriquées avec des matériaux résistant à la corrosion et à l'abrasion, couplées au moteur submersible standard NEMA.

Conçu pour des débits jusqu'à 28m³ / h et une hauteur de chute jusqu'à 325 mètres.



MATERIALES

Cuerpo bomba: AISI304SS
Impulsor: PPO
Difusor: PC
Eje rotor: AISI304SS
Rodamientos: PU
Adapador motor: AISI304SS.

ÁREA DE TRABAJO

Protección: IP 58/IER
bajo demanda
Aislamiento: Class F
Eficiencia: IE 2
Fluidos: agua limpia
Temperatura: -15°C ~ 90°C
*hasta 150° con cierre especial

MATERIALS

Pump casing: AISI304SS
Impeller: PPO
Diffuser: PC
Rotor shaft: AISI304SS
Bearings: PU
Motor adaptor: AISI304SS.

WORKING RANGE

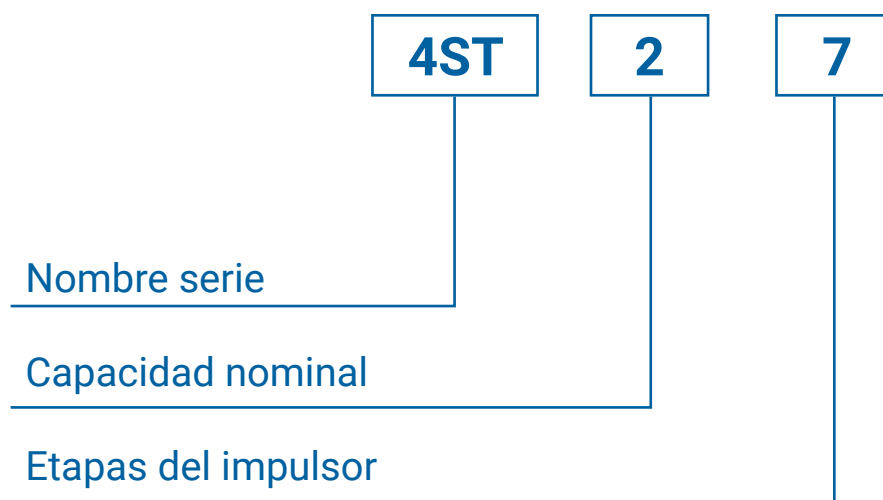
Protection: IP 58 /IER
on demand
Isolation: Class F
Efficiency: IE 2
Fluids: Clean water
Temperature: -15°C ~ 90°C
*up to 150° with special closure

MATÉRIELS

Corps de pompe : AISI304SS
Roue : PPO
Diffuseur : PC
Arbre du rotor : AISI304SS
Roulements : PU
Adaptateur moteur : AISI304SS.

PLAQUE DE TRAVAIL

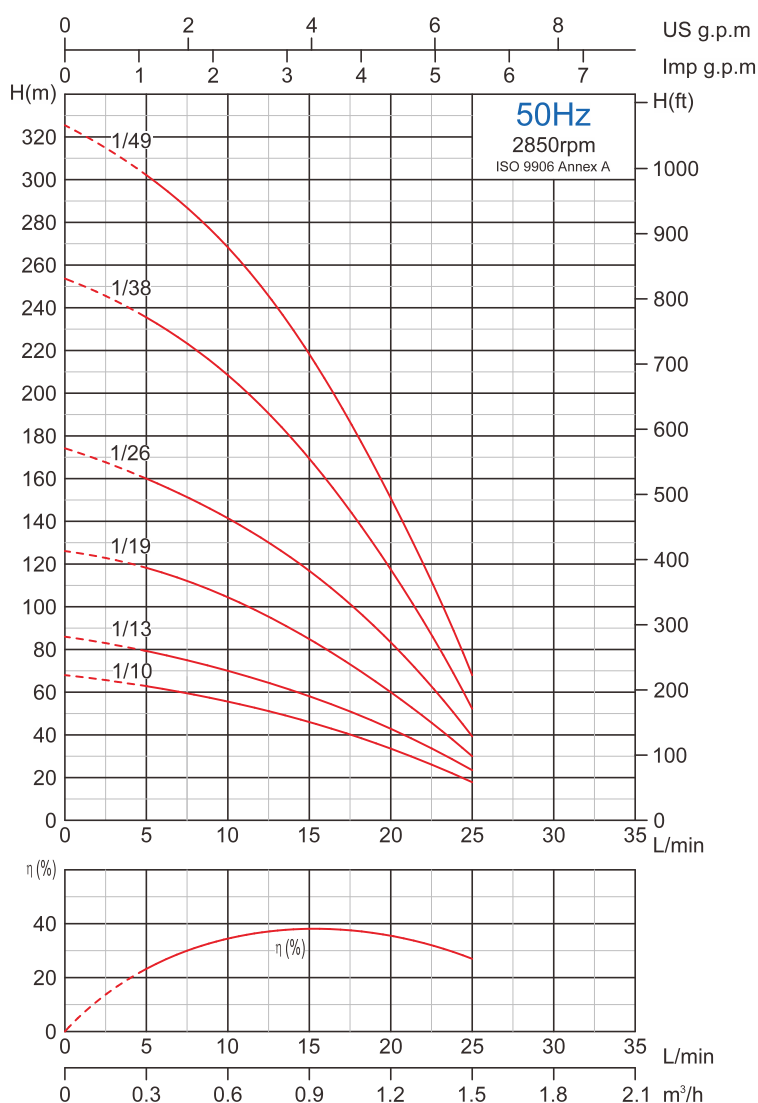
Protection: IP 58 /IER sur demande
Isolement: Class F
Efficacité: IE 2
Fluide: Eau propre
Température: -15°C ~ 90°C
jusqu'à 150° avec fermeture spéciale



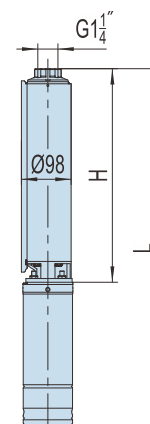
- Construcción resistente a la abrasión. La placa de desgaste delantera, combinada con los impulsores flotantes, garantiza una óptima resistencia a la abrasión.
- Los soportes superior e inferior están hechos de acero inoxidable de fundición de precisión, lo que garantiza resistencia a la corrosión, durabilidad y un acoplamiento robusto al motor.
- El eje hexagonal de la bomba garantiza una conducción efectiva del impulsor.
- Una válvula de retención de acero inoxidable se instala en la descarga para evitar cualquier flujo de agua hacia atrás y aliviar cualquier martillo de agua a la bomba, protegiendo así los impulsores y los difusores.
- Las bombas de la serie 4ST pueden acoplarse con motores 4SD (M).

4ST 1

Curva de prestaciones



Dimensiones y peso



Single Phase	H (mm)	L (mm)	N.W kg	
			H	L
4STM1/10	332	665	3.2	10.7
4STM1/13	382	715	3.7	11.2
4STM1/19	481	834	4.7	13.0
4STM1/26	596	974	5.8	14.8
4STM1/38	832	1274	8.1	19.1
4STM1/49	1052	1524	10.5	22.9

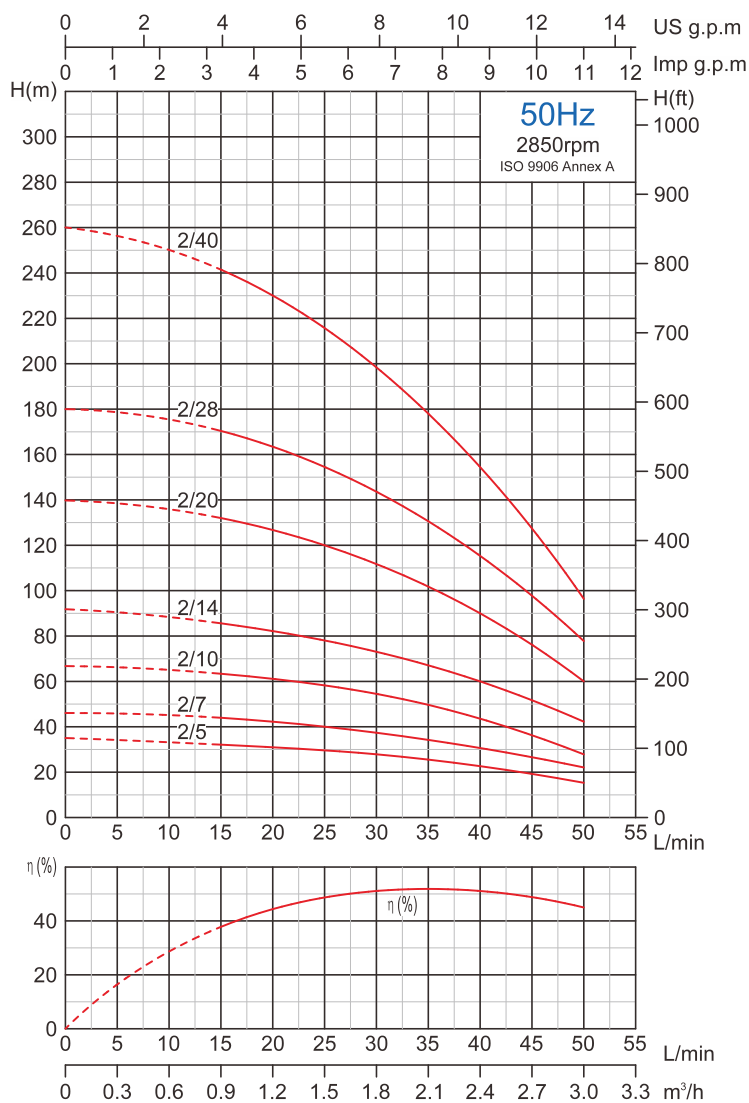
Three Phase	H (mm)	L (mm)	N.W kg	
			H	L
4ST1/10	332	665	3.2	9.7
4ST1/13	382	715	3.7	10.2
4ST1/19	481	814	4.7	12.0
4ST1/26	596	959	5.8	14.5
4ST1/38	832	1239	8.1	17.8
4ST1/49	1052	1494	10.5	21.6

Tabla de rendimiento

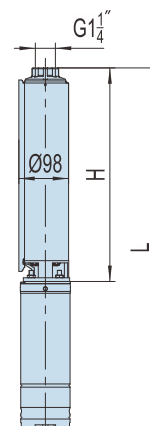
Model(50Hz)		Motor Power		Capacity						
Single Phase	Three Phase			l/min	0	5	10	15	20	25
		kW	HP	m³/h	0	0.3	0.6	0.9	1.2	1.5
4STM1/10	4ST1/10	0.37	0.5	Head (m)	67	63	55	46	33	18
4STM1/13	4ST1/13	0.37	0.5		86	78	70	56	42	23
4STM1/19	4ST1/19	0.55	0.75		126	110	105	86	60	30
4STM1/26	4ST1/26	0.75	1		173	160	141	117	81	39
4STM1/38	4ST1/38	1.1	1.5		253	234	208	169	117	52
4STM1/49	4ST1/49	1.5	2		325	302	268	219	151	68

4ST 2

Curva de prestaciones



Dimensiones y peso



Single Phase	H (mm)	L (mm)	N.W kg	
			H	L
4STM2/5	257	590	2.4	9.9
4STM2/7	293	626	2.7	10.2
4STM2/10	347	700	3.3	11.6
4STM2/14	419	797	4.0	13.0
4STM2/20	527	969	5.0	16.0
4STM2/28	671	1143	6.4	18.8
4STM2/40	963	1480	9.4	24.2

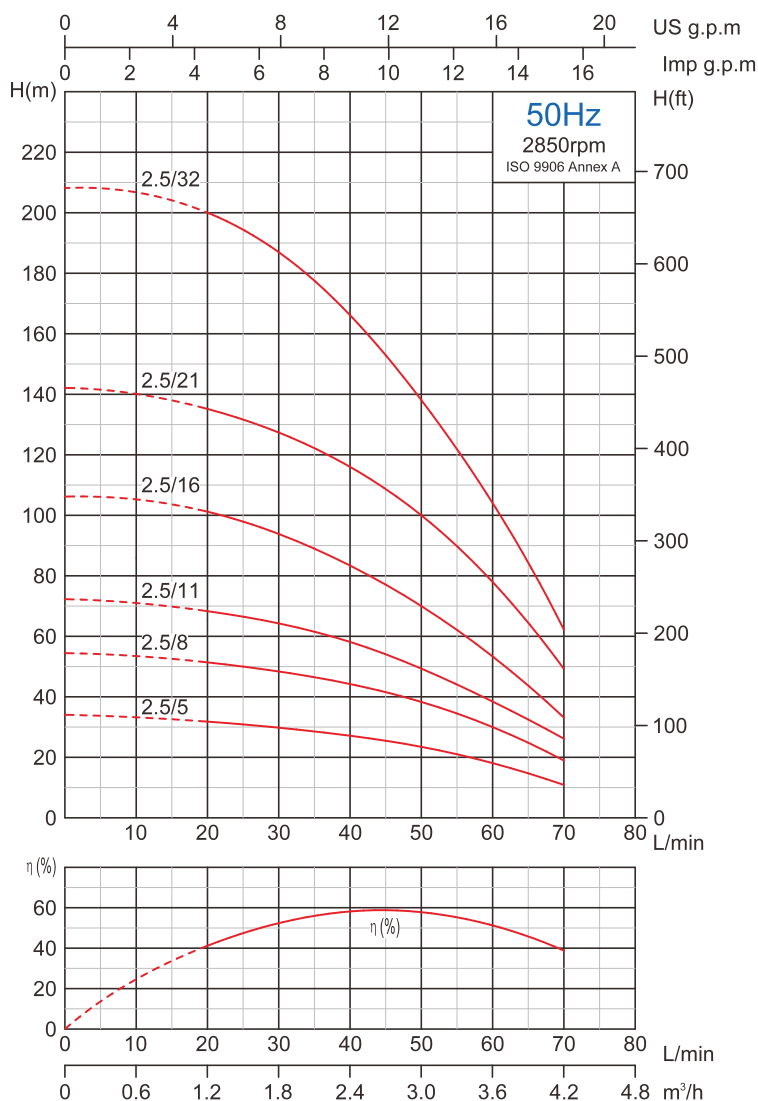
Three Phase	H (mm)	L (mm)	N.W kg	
			H	L
4ST2/5	257	590	2.4	8.9
4ST2/7	293	626	2.7	9.2
4ST2/10	347	680	3.3	10.6
4ST2/14	419	782	4.0	12.7
4ST2/20	527	934	5.0	14.7
4ST2/28	671	1113	6.4	17.5
4ST2/40	963	1465	9.4	23.2

Tabla de rendimiento

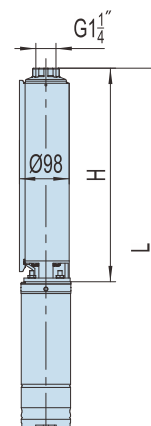
Model(50Hz)		Motor Power		Capacity									
Single Phase	Three Phase			l/min	0	15	20	25	30	35	40	45	50
		kW	HP	m³/h	0	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
4STM2/5	4ST2/5	0.37	0.5	Head (m)	34	32	31	29	27	25	23	19	16
4STM2/7	4ST2/7	0.37	0.5		46	43	42	39	36	33	29	26	22
4STM2/10	4ST2/10	0.55	0.75		67	64	61	58	54	49	43	36	28
4STM2/14	4ST2/14	0.75	1		92	86	83	79	74	67	60	52	42
4STM2/20	4ST2/20	1.1	1.5		139	131	127	120	111	101	90	75	60
4STM2/28	4ST2/28	1.5	2		180	170	164	154	144	131	115	97	78
4STM2/40	4ST2/40	2.2	3		260	243	230	215	198	178	154	137	96

4ST 2.5

Curva de prestaciones



Dimensiones y peso



Single Phase	H (mm)	L (mm)	N.W kg	
			H	L
4STM2.5/5	265	598	2.4	9.9
4STM2.5/8	323	676	2.9	11.2
4STM2.5/11	382	760	3.4	12.4
4STM2.5/16	479	921	4.3	15.3
4STM2.5/21	577	1049	5.2	17.6
4STM2.5/32	829	1346	7.4	22.2

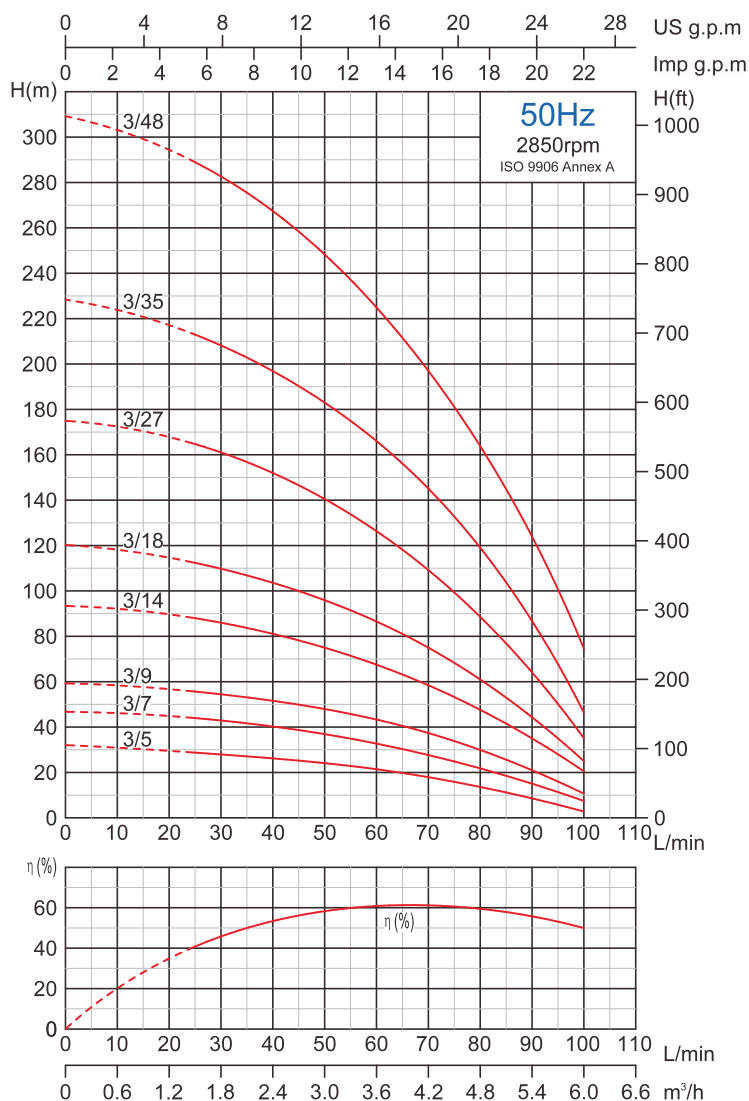
Three Phase	H (mm)	L (mm)	N.W kg	
			H	L
4ST2.5/5	265	598	2.4	8.9
4ST2.5/8	323	656	2.9	10.2
4ST2.5/11	382	745	3.4	12.1
4ST2.5/16	479	886	4.3	14.0
4ST2.5/21	577	1019	5.2	16.3
4ST2.5/32	829	1331	7.4	21.2

Tabla de rendimiento

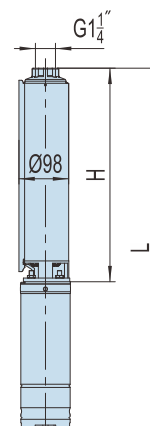
Model(50Hz)		Motor Power		Capacity										
Single Phase	Three Phase			l/min	0	20	25	30	35	40	45	50	60	70
		kW	HP	m³/h	0	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.6	4.2
4STM2.5/5	4ST2.5/5	0.37	0.5	Head (m)	34	32	31	30	29	27	25	23	18	11
4STM2.5/8	4ST2.5/8	0.55	0.75		54	51	50	49	46	43	41	38	30	19
4STM2.5/11	4ST2.5/11	0.75	1		72	68	66	64	61	58	54	49	38	26
4STM2.5/16	4ST2.5/16	1.1	1.5		106	101	98	95	89	83	77	70	54	33
4STM2.5/21	4ST2.5/21	1.5	2		142	135	132	127	122	115	106	100	79	49
4STM2.5/32	4ST2.5/32	2.2	3		208	200	194	187	177	165	152	138	104	62

4ST 3

Curva de prestaciones



Dimensiones y peso



Single Phase	H (mm)	L (mm)	N.W kg	
			H	L
4STM3/5	275	608	2.5	10.0
4STM3/7	318	671	2.8	11.1
4STM3/9	361	739	3.2	12.2
4STM3/14	468	910	4.2	15.2
4STM3/18	554	1026	4.9	17.3
4STM3/27	786	1303	6.9	21.7

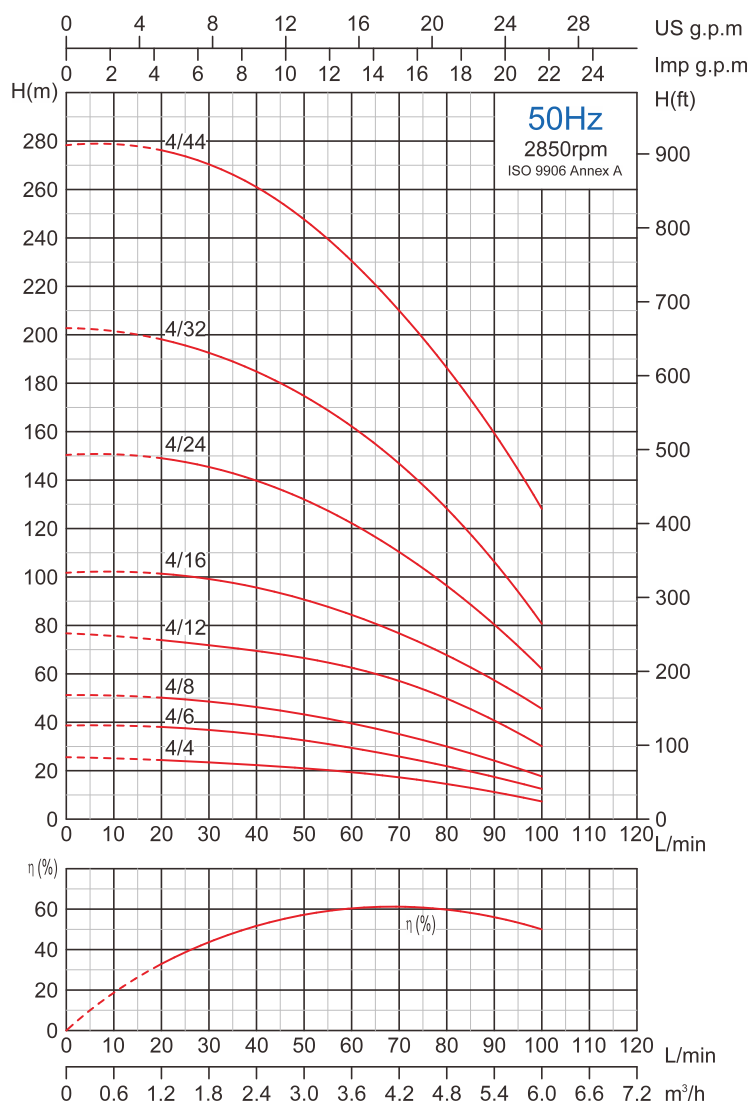
Three Phase	H (mm)	L (mm)	N.W kg	
			H	L
4ST3/5	275	608	2.5	9.0
4ST3/7	318	651	2.8	10.1
4ST3/9	361	724	3.2	11.9
4ST3/14	468	875	4.2	13.9
4ST3/18	554	996	4.9	16.0
4ST3/27	786	1288	6.9	20.7
4ST3/35	996	1548	9.1	25.7
4ST3/48	1275	1877	11.5	30.5

Tabla de rendimiento

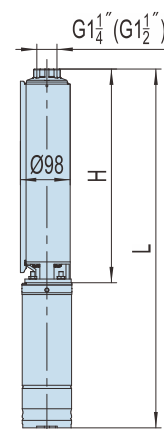
Model(50Hz)		Motor Power		Capacity												
Single Phase	Three Phase			l/min	0	25	30	35	40	45	50	60	70	80	90	100
		kW	HP	m³/h	0	1.5	1.8	2.1	2.4	2.7	3.0	3.6	4.2	4.8	5.4	6.0
4STM3/5	4ST3/5	0.37	0.5	Head (m)	33	29	28	27	26	25	24	21	18	13	8	3
4STM3/7	4ST3/7	0.55	0.75		46	43	42	41	39	38	36	33	28	22	15	7
4STM3/9	4ST3/9	0.75	1		59	55	54	52	51	49	47	43	37	28	20	10
4STM3/14	4ST3/14	1.1	1.5		93	87	86	83	81	79	76	68	58	47	33	20
4STM3/18	4ST3/18	1.5	2		120	113	111	108	105	102	98	88	75	60	42	25
4STM3/27	4ST3/27	2.2	3		175	164	161	157	152	147	141	127	109	87	61	35
	4ST3/35	3	4		228	212	208	203	197	191	184	166	145	119	85	46
	4ST3/48	4	5.5		309	289	283	276	267	258	248	225	197	162	120	73

4ST 4

Curva de prestaciones



Dimensiones y peso



Single Phase	H (mm)	L (mm)	N.W kg	
			H	L
4STM4/4	267	600	2.4	9.9
4STM4/6	317	670	2.8	11.1
4STM4/8	367	745	3.2	12.2
4STM4/12	467	909	4.1	15.1
4STM4/16	567	1039	4.9	17.3
4STM4/24	805	1322	7.0	21.8

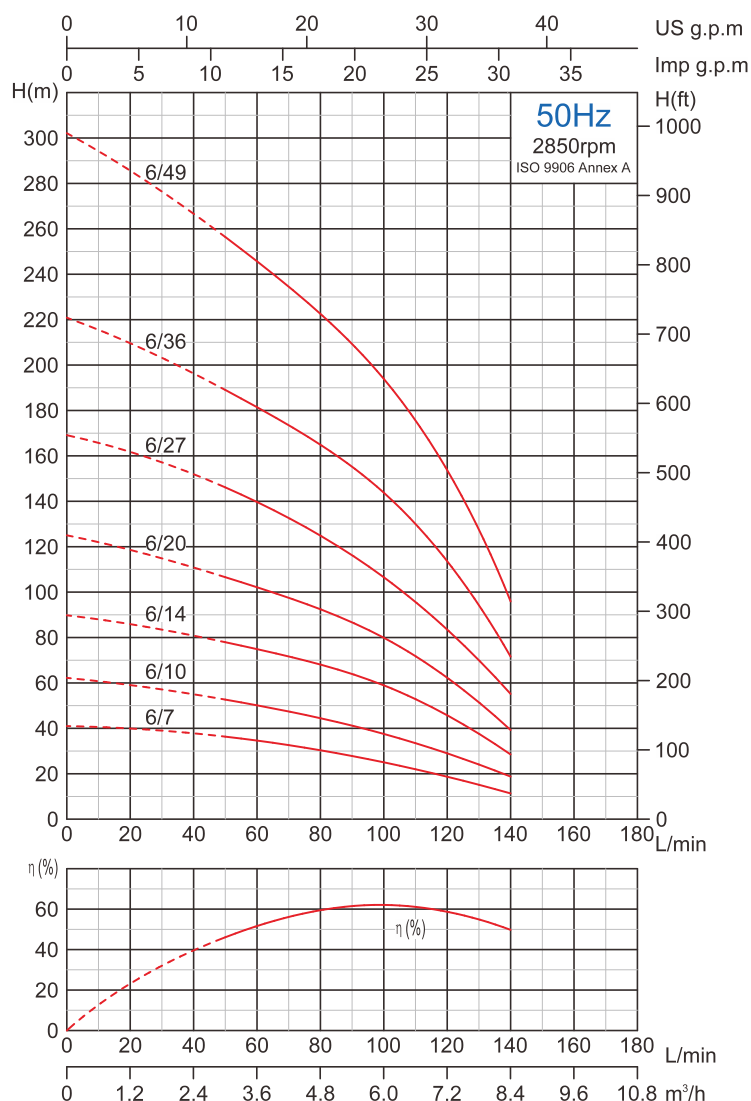
Three Phase	H (mm)	L (mm)	N.W kg	
			H	L
4ST4/4	267	600	2.4	8.9
4ST4/6	317	650	2.8	10.1
4ST4/8	367	730	3.2	11.9
4ST4/12	467	874	4.1	13.8
4ST4/16	567	1009	4.9	16.0
4ST4/24	805	1307	7.0	20.8
4ST4/32	1043	1595	9.3	25.9
4ST4/44	1343	1945	11.9	30.9

Tabla de rendimiento

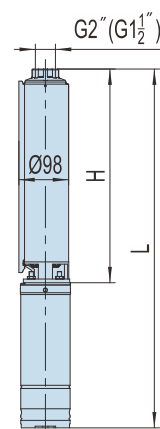
Model(50Hz)		Motor Power		Capacity										
Single Phase	Three Phase			l/min	0	35	40	45	50	60	70	80	90	100
		kW	HP	m³/h	0	2.1	2.4	2.7	3.0	3.6	4.2	4.8	5.4	6.0
4STM4/4	4ST4/4	0.37	0.5	Head (m)	26	23	22	22	21	19	17	14	11	7
4STM4/6	4ST4/6	0.55	0.75		38	36	35	33	32	30	26	22	18	12
4STM4/8	4ST4/8	0.75	1		51	47	46	44	43	39	35	30	24	18
4STM4/12	4ST4/12	1.1	1.5		77	72	71	69	68	63	57	49	41	31
4STM4/16	4ST4/16	1.5	2		102	98	96	94	92	86	77	68	57	46
4STM4/24	4ST4/24	2.2	3		151	142	139	136	132	122	111	97	80	62
	4ST4/32	3	4		203	188	185	180	175	162	146	127	105	80
	4ST4/44	4	5.5		278	265	260	254	247	230	210	187	159	127

4ST 6

Curva de prestaciones



Dimensiones y peso



Single Phase	H (mm)	L (mm)	N.W kg	
			H	L
4STM6/7	395	773	3.4	12.4
4STM6/10	488	930	4.2	15.2
4STM6/14	612	1084	5.2	17.6
4STM6/20	836	1353	7.1	21.9

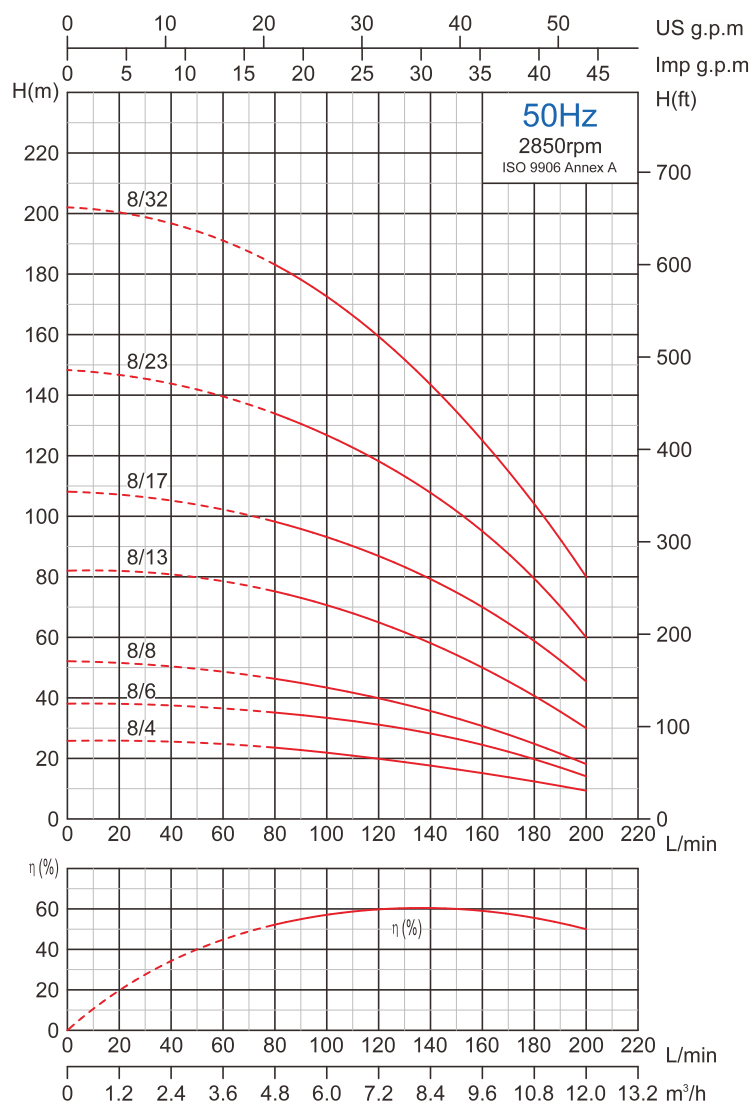
Three Phase	H (mm)	L (mm)	N.W kg	
			H	L
4ST6/7	395	758	3.4	12.1
4ST6/10	488	895	4.2	13.9
4ST6/14	612	1054	5.2	16.3
4ST6/20	836	1338	7.1	20.9
4ST6/27	1053	1605	8.9	25.5
4ST6/36	1370	1972	11.8	30.8
4ST6/49	1849	2595	15.7	43.0

Tabla de rendimiento

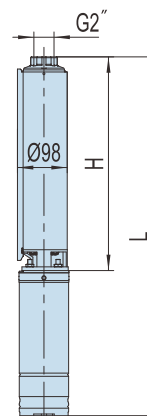
Model(50Hz)		Motor Power		Capacity									
Single Phase	Three Phase			l/min	0	50	60	70	80	90	100	120	140
		kW	HP	m³/h	0	3.0	3.6	4.2	4.8	5.4	6.0	7.2	8.4
4STM6/7	4ST6/7	0.75	1	Head (m)	42	36	34	32	30	28	25	19	11
4STM6/10	4ST6/10	1.1	1.5		62	53	51	48	45	41	38	29	18
4STM6/14	4ST6/14	1.5	2		90	77	74	71	68	63	59	46	28
4STM6/20	4ST6/20	2.2	3		125	107	102	97	92	86	80	62	40
	4ST6/27	3	4		169	145	139	131	123	115	107	84	55
	4ST6/36	4	5.5		221	190	181	173	164	154	143	112	72
	4ST6/49	5.5	7.5		302	257	246	234	222	209	193	151	96

4ST 8

Curva de prestaciones



Dimensiones y peso



Single Phase	H (mm)	L (mm)	N.W kg	
			H	L
4STM8/4	302	680	2.6	11.6
4STM8/6	364	806	3.2	14.2
4STM8/8	426	898	3.7	16.1
4STM8/13	581	1098	5.0	19.8

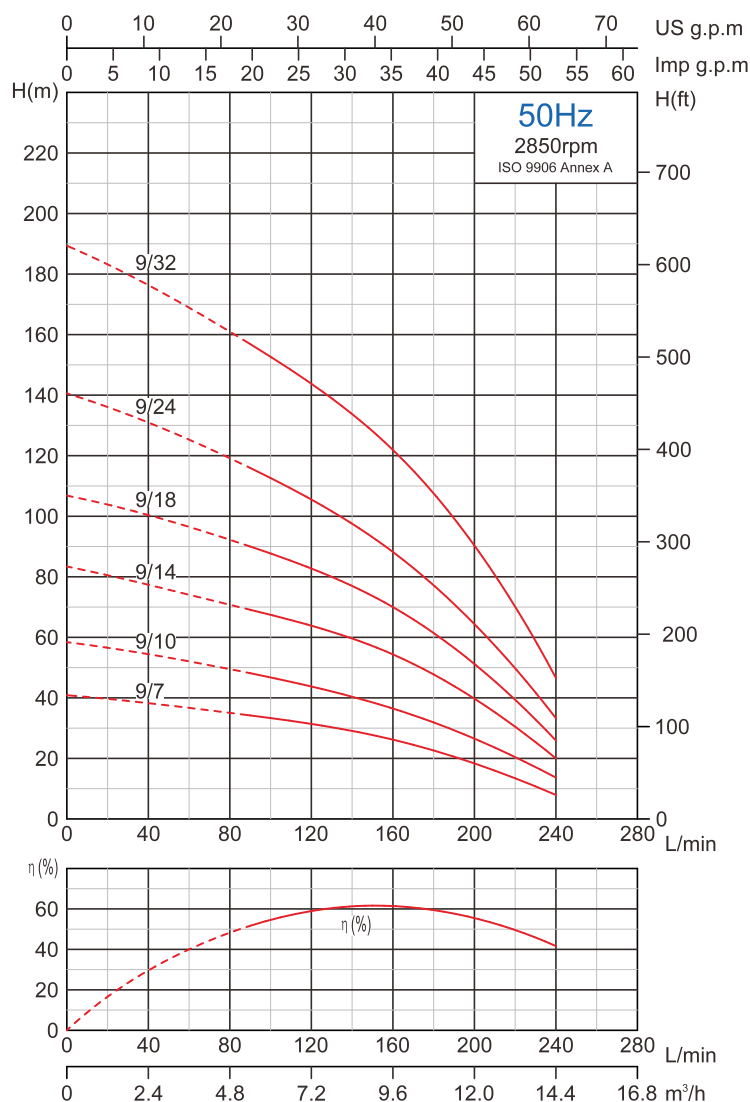
Three Phase	H (mm)	L (mm)	N.W kg	
			H	L
4ST8/4	302	665	2.6	11.3
4ST8/6	364	771	3.2	12.9
4ST8/8	426	868	3.7	14.8
4ST8/13	581	1083	5.0	18.8
4ST8/17	743	1295	6.3	22.9
4ST8/23	929	1531	7.9	26.9
4ST8/32	1246	1992	10.7	38.0

Tabla de rendimiento

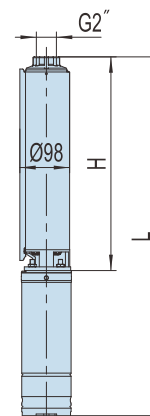
Model(50Hz)		Motor Power		Capacity									
Single Phase	Three Phase			l/min	0	80	90	100	120	140	160	180	200
		kW	HP	m³/h	0	4.8	5.4	6.0	7.2	8.4	9.6	10.8	12.0
4STM8/4	4ST8/4	0.75	1	Head (m)	26	23	22	21	20	18	16	12	9
4STM8/6	4ST8/6	1.1	1.5		38	35	34	33	31	28	24	19	14
4STM8/8	4ST8/8	1.5	2		52	47	45	44	41	37	31	25	18
4STM8/13	4ST8/13	2.2	3		82	75	73	71	66	59	50	40	30
	4ST8/17	3	4		108	98	96	94	87	79	70	58	46
	4ST8/23	4	5.5		148	134	131	127	118	108	95	79	60
	4ST8/32	5.5	7.5		202	182	178	172	160	143	125	105	80

4ST 9

Curva de prestaciones



Dimensiones y peso



Single Phase	H (mm)	L (mm)	N.W kg	
			H	L
4STM9/7	490	932	4.2	15.2
4STM9/10	623	1095	5.3	17.7
4STM9/14	839	1356	7.0	21.8

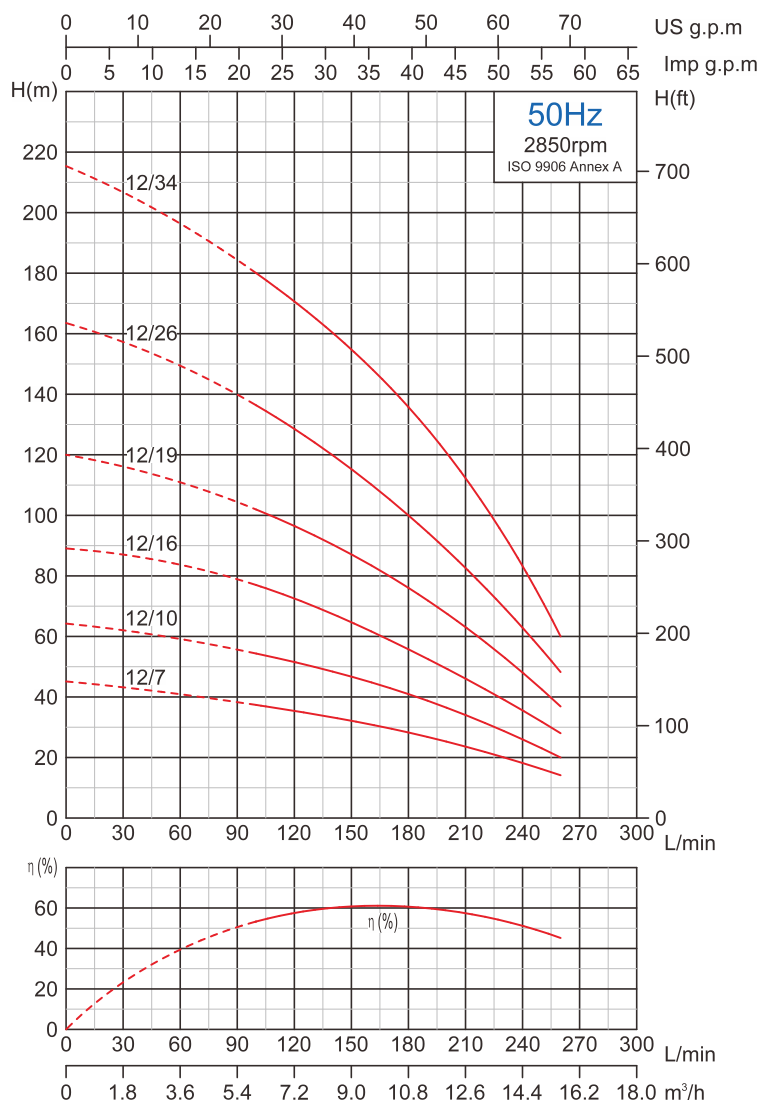
Three Phase	H (mm)	L (mm)	N.W kg	
			H	L
4ST9/7	490	897	4.2	13.9
4ST9/10	623	1065	5.3	16.4
4ST9/14	839	1341	7.0	20.8
4ST9/18	1017	1569	8.5	25.1
4ST9/24	1284	1886	10.7	29.7
4ST9/32	1754	2500	14.7	42.0

Tabla de rendimiento

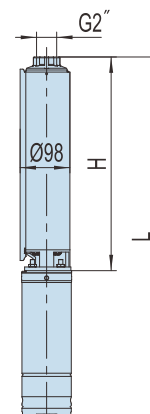
Model(50Hz)		Motor Power		Capacity										
Single Phase	Three Phase			l/min	0	90	100	120	140	160	180	200	220	240
		kW	HP	m³/h	0	5.4	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4
4STM9/7	4ST9/7	1.1	1.5	Head (m)	41	34	33	32	29	26	23	18	14	8
4STM9/10	4ST9/10	1.5	2		58	48	47	44	41	37	32	27	20	13
4STM9/14	4ST9/14	2.2	3		83	69	67	63	58	54	48	40	31	20
	4ST9/18	3	4		107	90	87	83	77	70	62	52	39	26
	4ST9/24	4	5.5		141	116	113	106	97	88	77	63	49	33
	4ST9/32	5.5	7.5		189	157	153	144	134	122	107	90	70	47

4ST 12

Curva de prestaciones



Dimensiones y peso



Single Phase	H (mm)	L (mm)	N.W kg	
			H	L
4STM12/7	542	1014	4.5	16.9
4STM12/10	698	1215	5.8	20.6

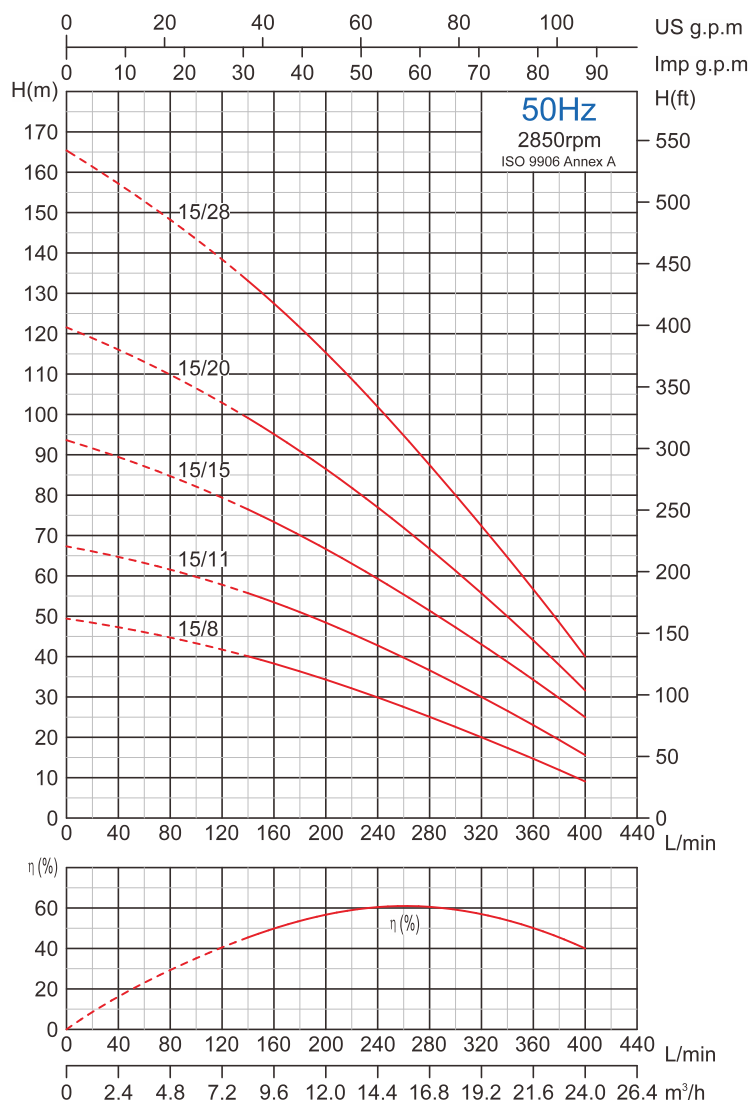
Three Phase	H (mm)	L (mm)	N.W kg	
			H	L
4ST12/7	542	984	4.5	15.6
4ST12/10	698	1200	5.8	19.6
4ST12/14	944	1496	7.8	24.4
4ST12/19	1204	1806	9.9	28.9
4ST12/26	1682	2428	13.9	41.2
4ST12/34	2098	2951	17.3	48.7

Tabla de rendimiento

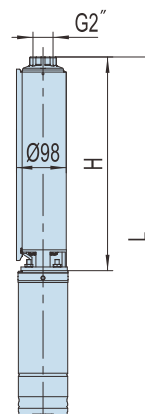
Model(50Hz)		Motor Power		Capacity										
Single Phase	Three Phase			l/min	0	100	120	140	160	180	200	220	240	260
		kW	HP	m³/h	0	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6
4STM12/7	4ST12/7	1.5	2	Head (m)	45	37	36	33	31	28	25	22	18	14
4STM12/10	4ST12/10	2.2	3		64	54	52	48	44	41	36	32	26	20
	4ST12/14	3	4		89	76	72	67	62	56	49	43	35	28
	4ST12/19	4	5.5		120	102	97	91	89	76	68	58	48	37
	4ST12/26	5.5	7.5		163	136	129	120	111	100	87	75	61	48
	4ST12/34	7.5	10		215	180	170	157	144	136	110	93	77	60

4ST 15

Curva de prestaciones



Dimensiones y peso



Single Phase	H (mm)	L (mm)	N.W kg	
			H	L
4STM15/8	680	1197	5.7	20.5

Three Phase	H (mm)	L (mm)	N.W kg	
			H	L
4ST15/8	680	1182	5.7	19.5
4ST15/11	883	1435	7.2	23.8
4ST15/15	1153	1755	9.3	28.3
4ST15/20	1528	2274	12.6	39.9
4ST15/28	2068	2921	16.7	48.1

Tabla de rendimiento

Model(50Hz)		Motor Power		Capacity										
Single Phase	Three Phase			l/min	0	140	180	220	240	260	300	320	360	400
		kW	HP	m³/h	0	8.4	10.8	13.2	14.4	15.6	18	19.2	21.6	24
4STM15/8	4ST15/8	2.2	3	Head (m)	49	39	35	32	30	28	23	20	15	9
	4ST15/11	3	4		67	54	50	45	42	39	33	30	23	16
	4ST15/15	4	5.5		93	76	69	62	59	55	47	43	34	25
	4ST15/20	5.5	7.5		122	98	90	81	76	72	61	56	44	32
	4ST15/28	7.5	10		165	132	122	108	103	95	80	73	55	40

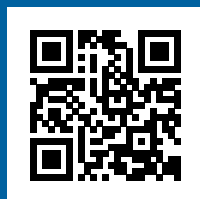
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