WATEX
PUMPS & MOTORS

WSP4

NUEVA BOMBA SUMERGIBLE WATEX 4”

NEW 4” WATEX SUBMERSIBLE PUMP

SPANISH COMMITMENT • SPANISH COMMITMENT •

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ESP Bomba diseñada y fabricada para trabajar en pozos con arena. El sistema de Rodete Flotante asegura una excelente resistencia contra la arena. Las partes rodantes no están en contacto una con otra. Máximo contenido en arena 150 g/m3.

El Rodete está construido de un nuevo compuesto de Noryl endurecido, reforzado para garantizar su resistencia a la abrasión.

El Difusor está construido de un nuevo Policarbonato endurecido, reforzado para garantizar su resistencia a la abrasión.

El Cuerpo de Descarga y el Cuerpo de Adaptación al motor están construidos de fundición de precisión de acero inoxidable para una mayor robustez, durabilidad y rigidez al conjunto.

EN Engineered and manufactured for continuous heavy duty operation in Sandy well. The Floating Impeller and Flat Wear Ring Design ensure an excellent resistance to wear and tear against sand. Rotating parts are not in contact with one and other. Maximun sand content of 150 g/m3.

Impeller is made of new and pure glass filled noryl. High abrasive resistance for longer life in sandy wells.

Diffuser is made of new and pure glass filled polycarbonate. High abrasive resistance for longer life in sandy wells.

The Discharge Head and Motor Adapter are made of precision casted stainless steel for superior strength, durability and rigidity.

NUEVA SERIE WATEX WSP4 - NEW SERIES WATEX WSP4

Características técnicas

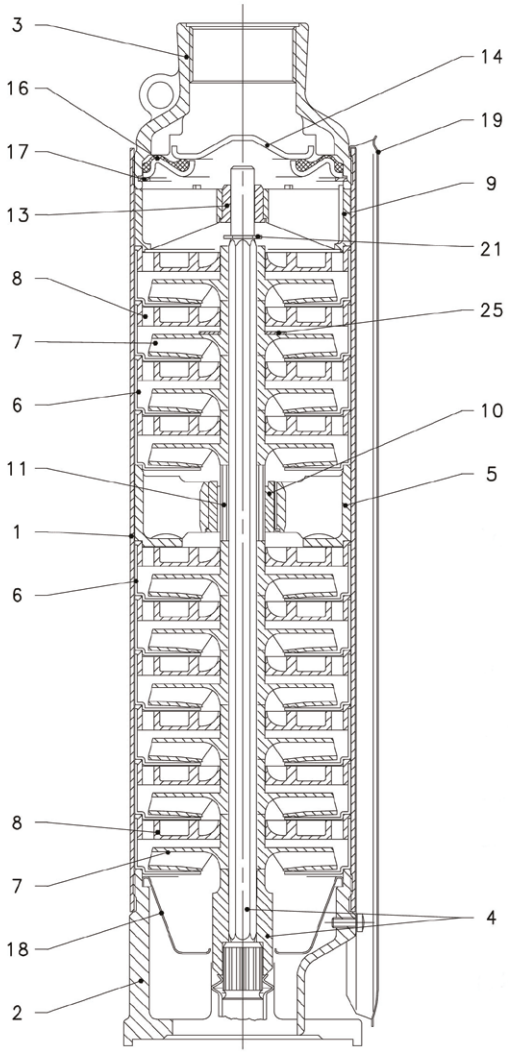
- Aislamiento clase F y protección IP58
- Motor de alto rendimiento
- Refrigerado por aceite permitido para bombeo de agua potable
- Fácil desmontaje. Rebobinable
- Estator, eje y base inferior en acero inoxidable
- Cierre mecánico grafito-cerámica
- Sobredimensionado de membrana y protección contra arenas
- Acoplamiento NEMA
- Máxima fluctuación de voltaje +6% y –10%
- Máxima temperatura de agua 40°C con al menos una velocidad de refrigeración de 0,08 mts/seg
- Numero máximo de arranques por hora: 30
- Longitud de cable: 1,78 m, 2,5 m o 4 m

Technical features

- Class F insulation and IP 58 protection
- High motor efficiency
- Enviromental friendly as the motor is filled with special Food grade white oil
- Easy disassembly and rewindability
- Motor casing, shaft and bottom end made in stainless steel
- Graphite-ceramic standard mechanical seal
- Oversized compensation diaphragm and sand slinger protection
- NEMA standard coupling dimensions
- Maximum voltage fluctuation: +6% and –10%
- Maximun water temperature: 40°C with at least 0.08 mt/s of water flow speed
- Maximun motor starting per hour: 30
- The motors come with cable length of either 1.75 m 2.5 m or 4 m

NUEVA SERIE WATEX WSP4 - NEW SERIES WATEX WSP4

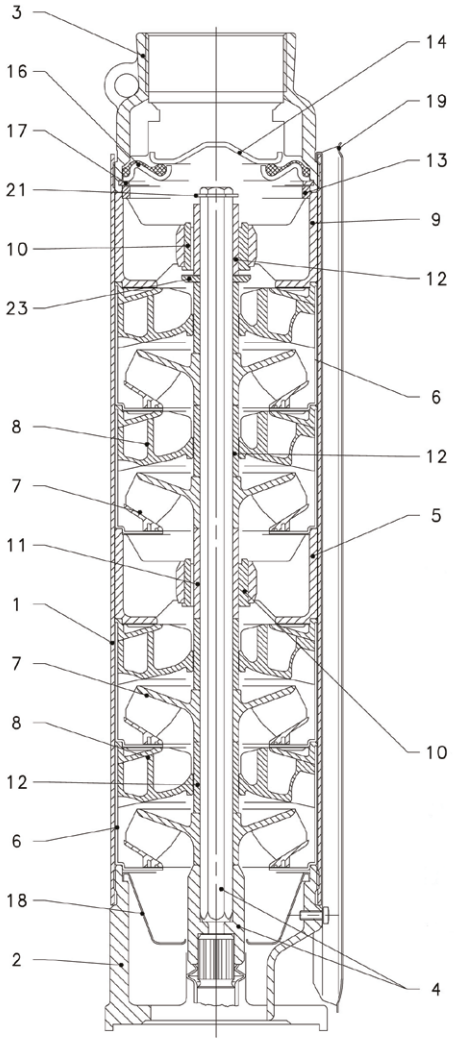
PLANO SECCIONAL Y DESPIECE PARA MODELOS WSP412 - WSP416 - CROSS SECTIONAL DRAWING AND PARTS LIST FOR WSP412 - WSP416



Ref	Descripción	Material	Description	Material
1	Camisa	Ac. Inox	Sleeve	Stainless Steel
2	Adaptación a Motor	Fundición Ac. Inox	Lower Support/ Motor Adapter	Casted Stainless Steel
3	Cuerpo de Descarga	Fundición Ac. Inox	Discharge Head	Casted Stainless Steel
4	Eje y Acoplamiento	Ac. Inox	Shaft with Coupling	Stainless Steel
5	Soporte Intermedio	Polimero	Intermediate Support	Glass Filled Engineered Composites
6	Tornillería	Ac. Inox	Bowl	Stainless Steel
7	Impulsor	Noryl Reforzado	Impeller	Glass Filled Noryl
8	Difusor	Policarbonato Reforzado	Diffuser	Glass Filled Polycarbonate
9	Cuerpo Final	Policarbonato Reforzado	Top Diffuser	Glass Filled Polycarbonate
10	Cojinete Intermedio	N.B.R.	Intermediate Bearing	N.B.R.
11	Protección eje	Ac. Inox	Shaft Bushing	Stainless Steel
13	Cojinete Final	N.B.R.	Top Bearing	N.B.R.
14	Tapa Válvula Retención	Ac. Inox	Valve Cap	Stainless Steel
16	Cuerpo Válvula Retención y Junta	Ac. Inox y N.B.R.	Valve Support with Gasket	Stainless Steel and N.B.R.
17	Anillo de Cierre Válvula	Ac. Inox	Valve Lock Ring	Stainless Steel
18	Rejilla Aspiración	Ac. Inox	Filter	Stainless Steel
19	Protección de cable	Ac. Inox	Cable Guard	Stainless Steel
21	Aro Superior	Ac. Inox	Upper Split Ring	Stainless Steel
25	Disco de Equilibrio	Ac. Inox	Thrust Washer	Stainless Steel

NUEVA SERIE WATEX WSP4 - NEW SERIES WATEX WSP4

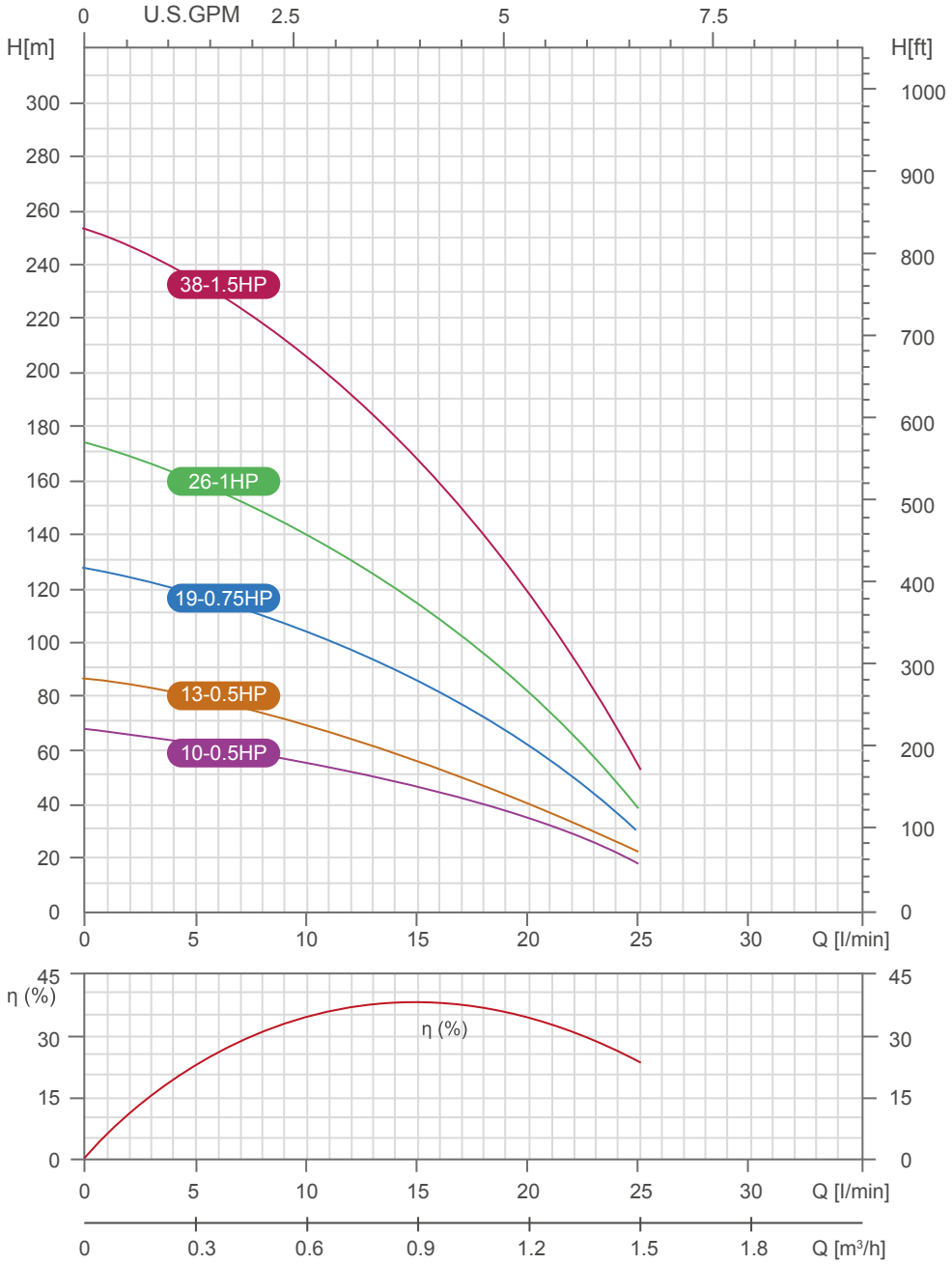
PLANO SECCIONAL Y DESPIECE PARA MODELOS WSP412 - WSP416 - CROSS SECTIONAL DRAWING AND PARTS LIST FOR WSP412 - WSP416



Ref	Descripción	Material	Description	Material
1	Camisa	Ac. Inox	Sleeve	Stainless Steel
2	Adaptación a Motor	Fundición Ac. Inox	Lower Support/ Motor Adapter	Casted Stainless Steel
3	Cuerpo de Descarga	Fundición Ac. Inox	Discharge Head	Casted Stainless Steel
4	Eje y Acoplamiento	Ac. Inox	Shaft with Coupling	Stainless Steel
5	Soporte Intermedio	Polimero	Intermediate Support	Glass Filled Engineered Composites
6	Tornillería	Ac. Inox	Bowl	Stainless Steel
7	Impulsor	Noryl Reforzado	Impeller	Glass Filled Noryl
8	Difusor	Policarbonato Reforzado	Diffuser	Glass Filled Polycarbonate
9	Cuerpo Final	Policarbonato Reforzado	Top Diffuser	Glass Filled Polycarbonate
10	Cojinete Intermedio	N.B.R.	Top Bearing	N.B.R.
11	Protección eje	Ac. Inox	Shaft Bushing	Stainless Steel
12	Espaciador	Ac. Inox	Spacer	Stainless Steel
13	Cojinete Final	N.B.R.	Adapter Ring	Stainless Steel
14	Tapa Válvula Retención	Ac. Inox	Valve Cap	Stainless Steel
16	Cuerpo Válvula Retención y Junta	Ac. Inox y N.B.R.	Valve Support with Gasket	Stainless Steel and N.B.R.
17	Anillo de Cierre Válvula	Ac. Inox	Valve Lock Ring	Stainless Steel
18	Rejilla Aspiración	Ac. Inox	Filter	Stainless Steel
19	Protección de cable	Ac. Inox	Cable Guard	Stainless Steel
21	Aro Superior	Ac. Inox	Upper Split Ring	Stainless Steel
23	Disco de Equilibrio	Ac. Inox	Thrust Washer	Stainless Steel

WSP 401 DATOS Y CURVAS - 50 Hz

WSP 401 PERFORMANCE DATA - 50 Hz



WSP 401

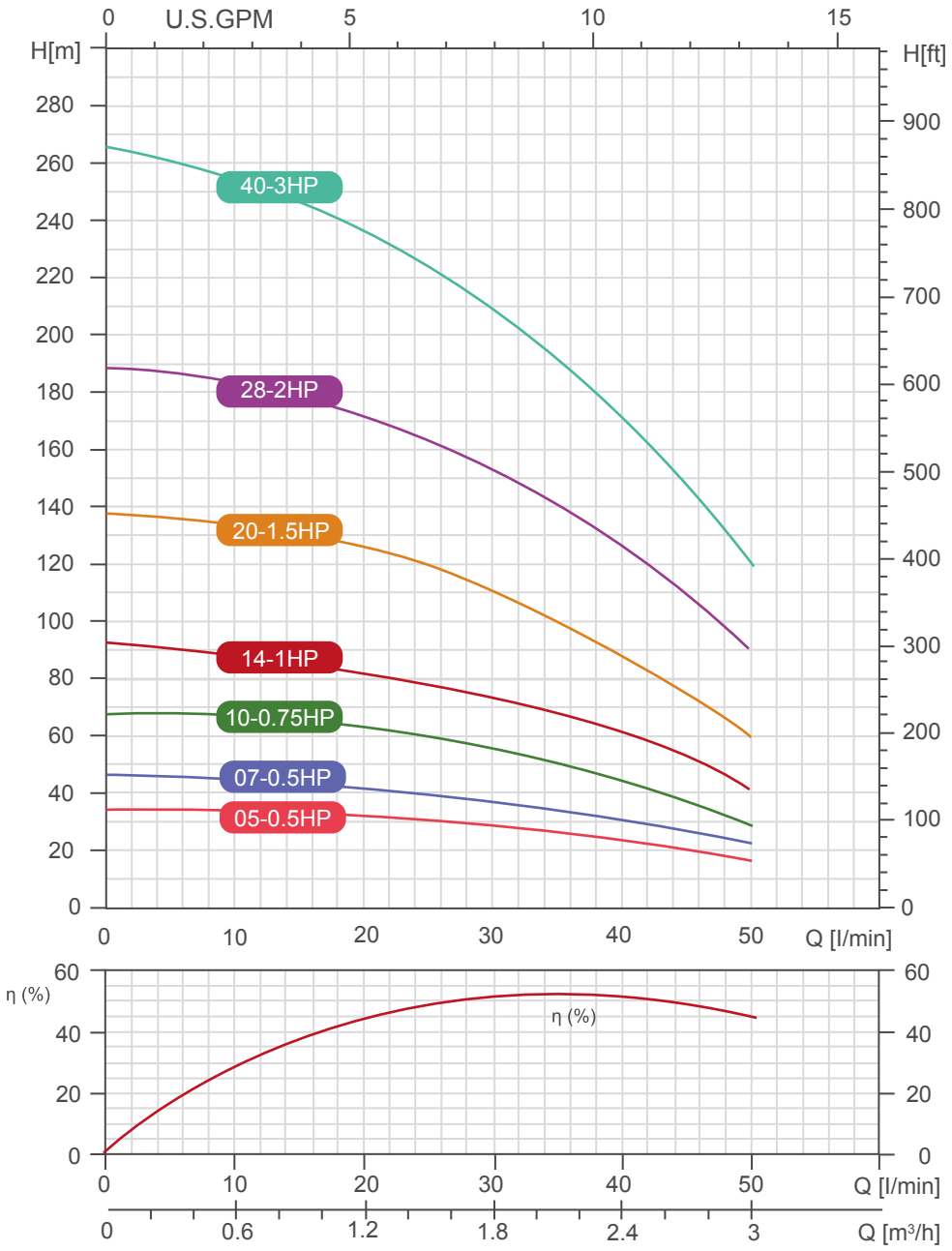
TYPE	N. OF STAGES	MOTOR		PUMP		
		KW	HP	L (mm)	DN (RPT or NPT)	kg
WSP 401-10	10	0.37	0.50	324	1.25"	3.3
WSP 401-13	13	0.37	0.50	377	1.25"	3.7
WSP 401-19	19	0.55	0.75	481	1.25"	4.7
WSP 401-26	26	0.75	1.00	642	1.25"	5.8
WSP 401-38	38	1.1	1.50	864	1.25"	8.2

TYPE	Q	DELIVERY					
	M³/hr	0	0.3	0.6	0.9	1.2	1.5
	L/min	0	5	10	15	20	25
WSP 401-10	HEAD H m	67	63	55	46	33	18
WSP 401-13		86	78	70	56	42	23
WSP 401-19		126	118	105	86	60	30
WSP 401-26		173	160	141	117	81	39
WSP 401-38		253	234	208	169	117	52

WSP 402

TYPE	N. OF STAGES	MOTOR		PUMP		
		KW	HP	L (mm)	DN (RPT or NPT)	kg
WSP 402-5	5	0.37	0.50	245	1.25"	2.6
WSP 402-7	7	0.37	0.50	280	1.25"	2.9
WSP 402-10	10	0.55	0.75	332	1.25"	3.5
WSP 402-14	14	0.75	1.00	402	1.25"	4.2
WSP 402-20	20	1.10	1.50	507	1.25"	5.3
WSP 402-28	28	1.50	2.00	680	1.25"	7.1
WSP 402-40	40	2.20	3.00	914	1.25"	10.1

TYPE	Q	DELIVERY						
	M^3/hr	0	1.5	1.8	2.1	2.4	2.7	3.0
	L/min	0	25	30	35	40	45	50
WSP 402-5	HEAD H m	33	28	26	24	20	17	13
WSP 402-7		47	39	35	32	28	24	19
WSP 402-10		67	56	52	47	41	36	27
WSP 402-14		93	78	73	66	57	50	37
WSP 402-20		133	113	104	97	82	72	53
WSP 402-28		187	158	146	130	115	97	74
WSP 402-40		267	226	208	186	164	136	106



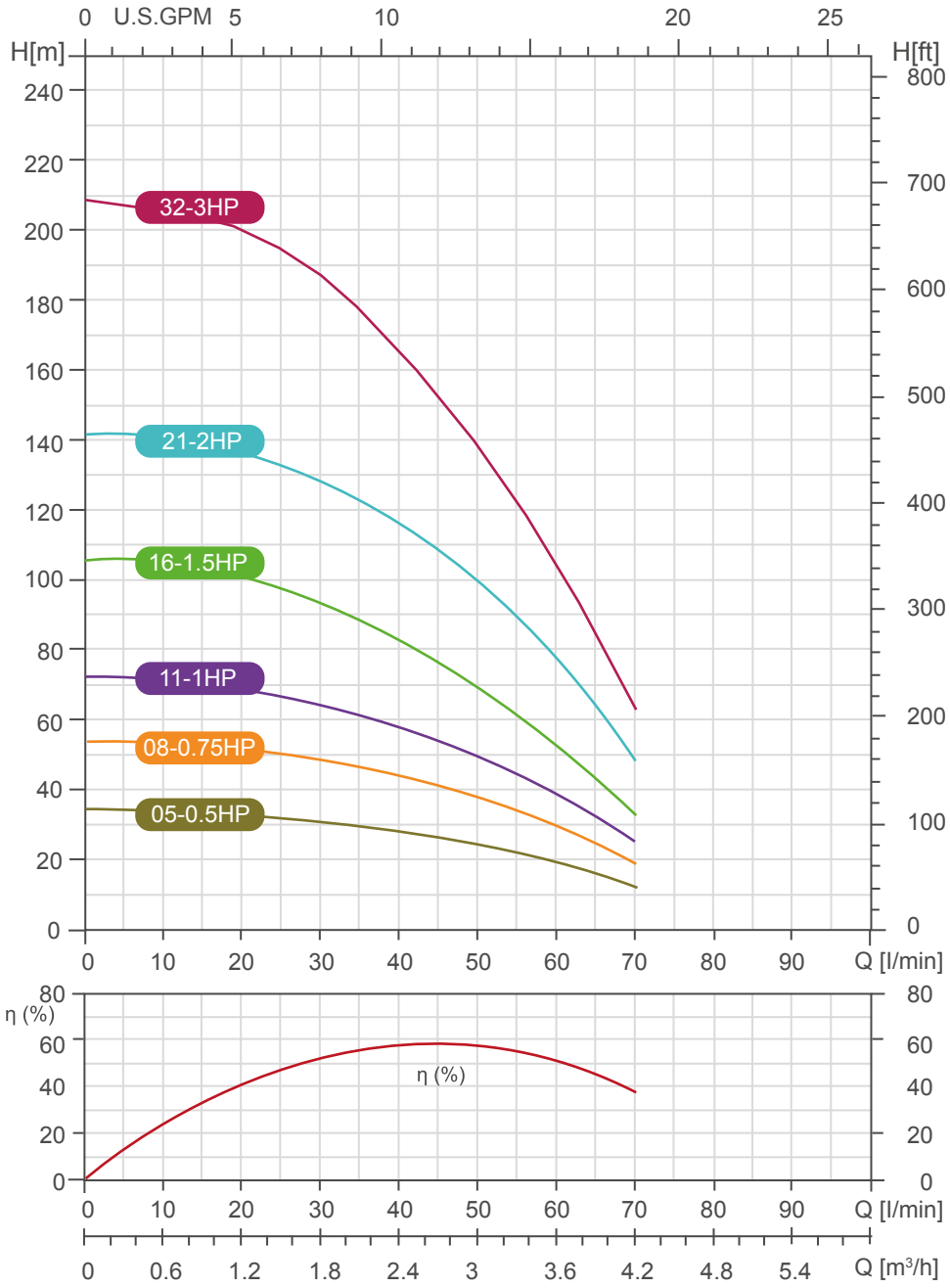
WSP 402 DATOS Y CURVAS - 50 Hz

WSP 402 PERFORMANCE DATA - 50 Hz

WATEX

WSP 403

WSP 403 DATOS Y CURVAS - 50 Hz
WSP 403 PERFORMANCE DATA - 50 Hz



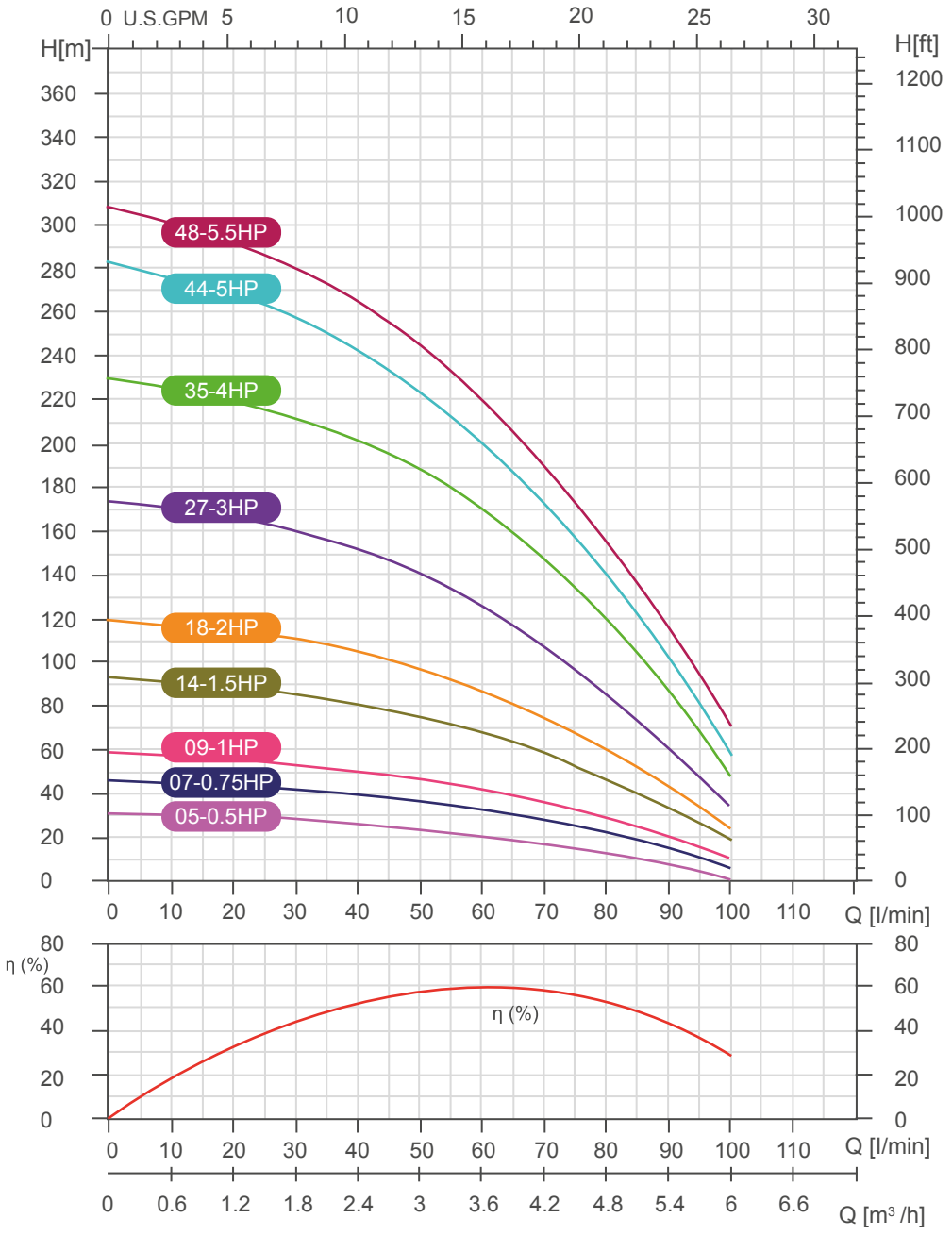
TYPE	N. OF STAGES	MOTOR		PUMP		
		KW	HP	L (mm)	DN (RPT or NPT)	kg
WSP 403-5	5	0.37	0.50	236	1.25"	2.5
WSP 403-8	8	0.55	0.75	289	1.25"	2.9
WSP 403-11	11	0.75	1.00	342	1.25"	3.4
WSP 403-16	16	1.10	1.50	430	1.25"	4.2
WSP 403-21	21	1.50	2.00	519	1.25"	5.0
WSP 403-32	32	2.20	3.00	749	1.25"	7.1

TYPE	Q	DELIVERY						
	M³/hr	0	2.1	2.4	2.7	3.0	3.6	4.2
	L/min	0	35	40	45	50	60	70
WSP 403-5	HEAD H m	34	29	27	25	23	18	12
WSP 403-8		54	46	43	41	38	30	19
WSP 403-11		72	61	58	54	49	38	28
WSP 403-16		106	89	83	77	70	54	34
WSP 403-21		142	122	115	108	100	79	49
WSP 403-32		208	177	165	152	138	104	64

WSP 404

TYPE	N. OF STAGES	MOTOR		PUMP		
		KW	HP	L (mm)	DN (RPT or NPT)	kg
WSP 404-5	5	0.37	0.50	257	1.25"	2.7
WSP 404-7	7	0.55	0.75	301	1.25"	3.0
WSP 404-9	9	0.75	1.00	344	1.25"	3.3
WSP 404-14	14	1.10	1.50	452	1.25"	4.1
WSP 404-18	18	1.50	2.00	538	1.25"	4.7
WSP 404-27	27	2.20	3.00	767	1.25"	6.2
WSP 404-35	35	3.00	4.00	934	1.25"	7.9
WSP 404-44	44	3.70	5.00	1128	1.25"	9.3
WSP 404-48	48	4.00	5.50	1253	1.25"	9.9

TYPE	Q	DELIVERY						
	M^3/hr	0	3.0	3.6	4.2	4.8	5.4	6.0
	L/min	0	50	60	70	80	90	100
WSP 404-5	HEAD Hm	33	22	21	17	13	8	3
WSP 404-7		46	36	33	28	21	13	7
WSP 404-9		59	47	43	37	28	20	10
WSP 404-14		93	76	68	58	47	33	19
WSP 404-18		120	98	88	75	60	42	25
WSP 404-27		175	141	127	109	87	61	35
WSP 404-35		231	184	166	145	119	85	49
WSP 404-44		285	223	201	173	139	99	55
WSP 404-48		322	245	228	198	160	118	70

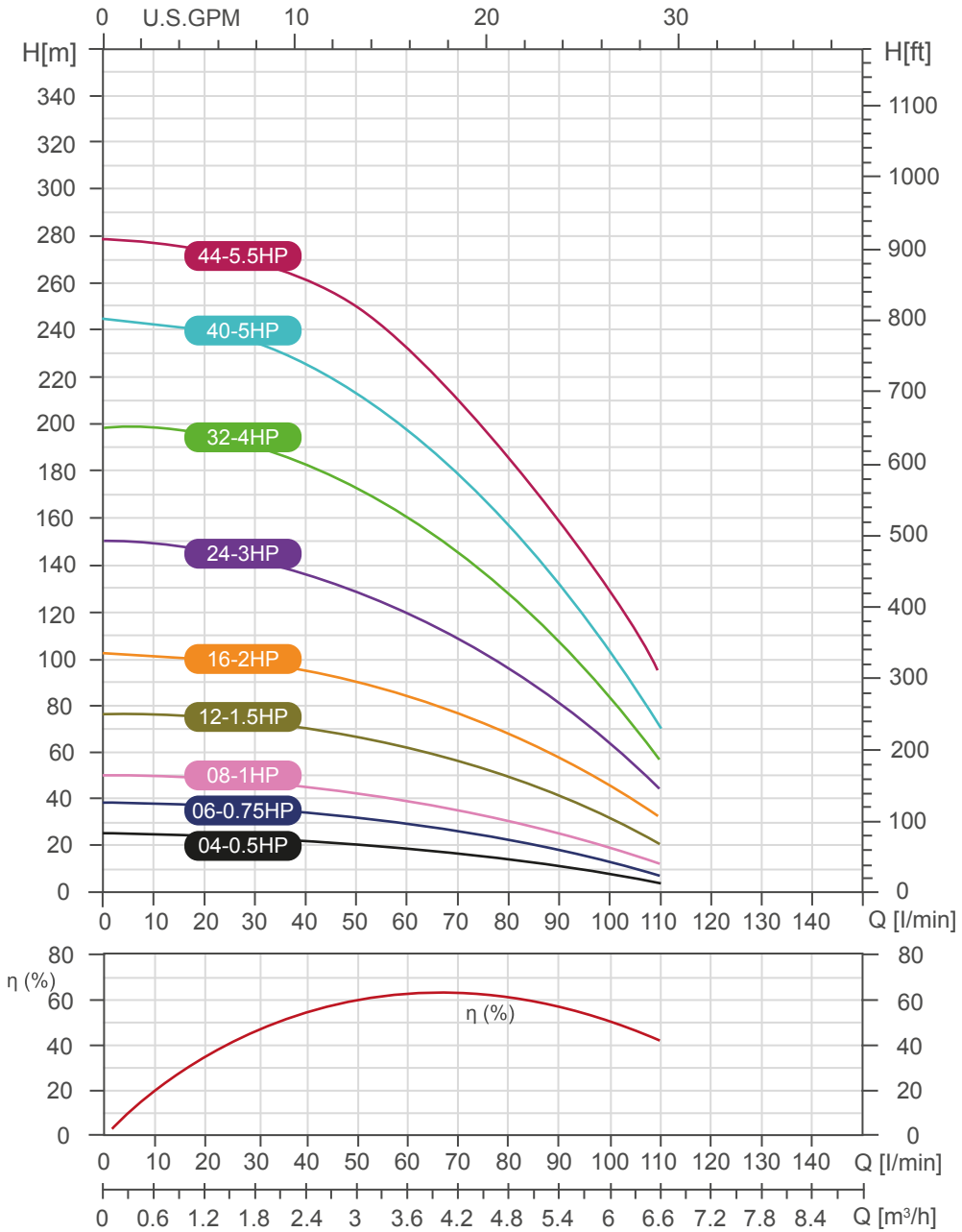


WSP 404 DATOS Y CURVAS - 50 Hz

WSP 404 PERFORMANCE DATA - 50 Hz

WATEX

WSP 405



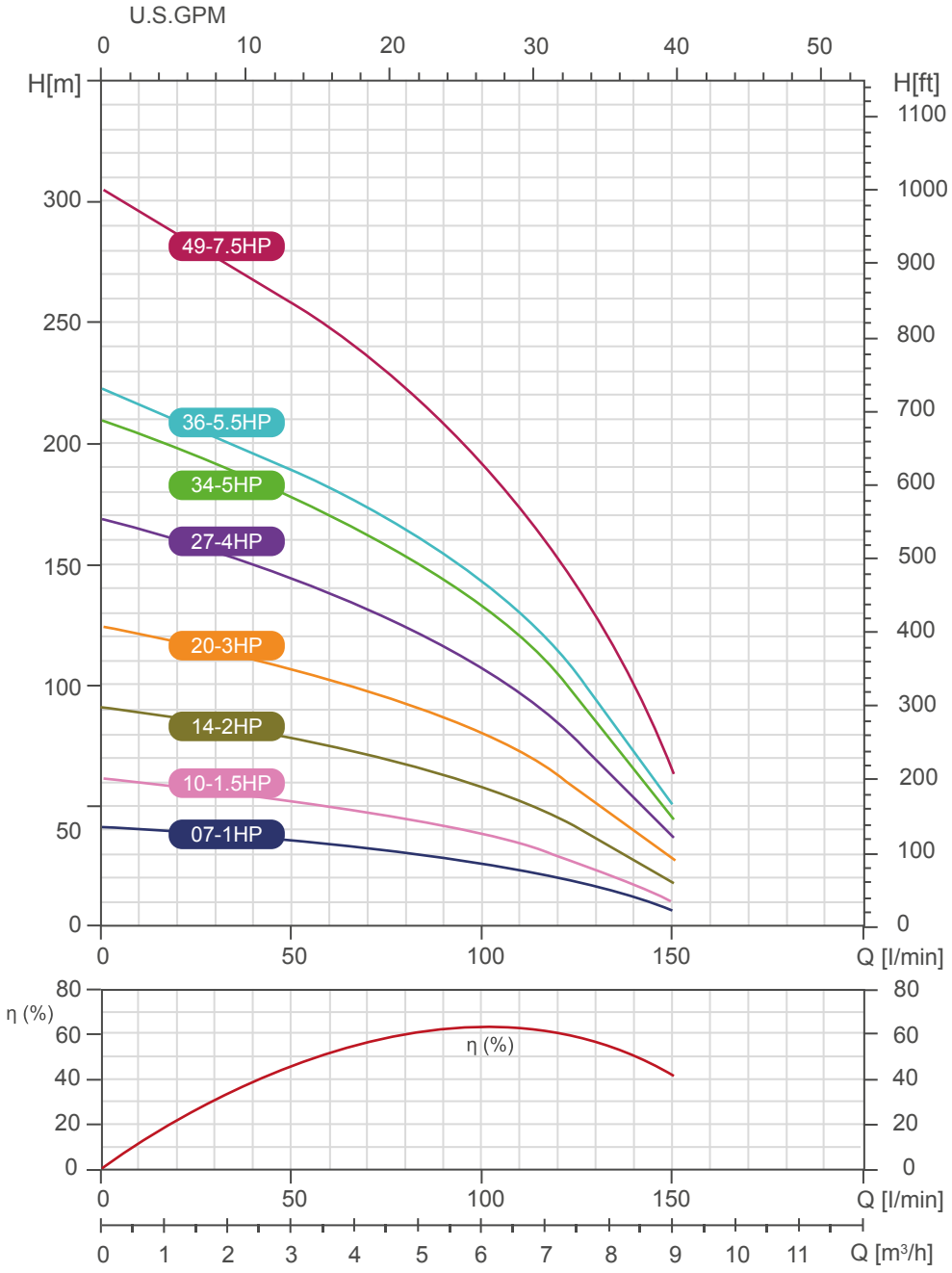
TYPE	N. OF STAGES	MOTOR		PUMP		
		KW	HP	L (mm)	DN (RPT or NPT)	kg
WSP 405-4	4	0.37	0.50	247	1.25"	2.4
WSP 405-6	6	0.55	0.75	296	1.25"	2.9
WSP 405-8	8	0.75	1.00	345	1.25"	3.3
WSP 405-12	12	1.10	1.50	433	1.25"	4.1
WSP 405-16	16	1.50	2.00	542	1.25"	5.0
WSP 405-24	24	2.20	3.00	777	1.25"	6.6
WSP 405-32	32	3.00	4.00	965	1.25"	8.7
WSP 405-40	40	3.70	5.00	1160	1.25"	10.4
WSP 405-44	44	4.00	5.50	1296	1.25"	11.2

TYPE	Q	DELIVERY						
	M³/hr	0	3.6	4.2	4.8	5.4	6.0	6.6
	L/min	0	60	70	80	90	100	110
WSP 405-4	HEAD H m	26	19	17	14	11	7	4
WSP 405-6		38	30	26	22	18	12	8
WSP 405-8		51	39	35	30	24	18	14
WSP 405-12		77	63	57	49	41	31	21
WSP 405-16		102	86	77	68	57	46	34
WSP 405-24		151	122	111	97	80	62	44
WSP 405-32		203	162	146	127	105	80	59
WSP 405-40		253	202	182	159	131	102	70
WSP 405-44		278	230	210	187	159	127	94

WSP 406

TYPE	N. OF STAGES	MOTOR		PUMP		
		KW	HP	L (mm)	DN (RPT or NPT)	kg
WSP 406-7	7	0.75	1.00	390	2"	3.7
WSP 406-10	10	1.10	1.50	483	2"	4.6
WSP 406-14	14	1.50	2.00	607	2"	5.7
WSP 406-20	20	2.20	3.00	831	2"	7.5
WSP 406-27	27	3.00	4.00	1048	2"	9.6
WSP 406-34	34	3.70	5.00	1257	2"	11.6
WSP 406-36	36	4.00	5.50	1318	2"	12.2
WSP 406-49	49	5.50	7.50	1802	2"	15.9

TYPE	Q	DELIVERY						
	M^3/hr	0	5.4	6	6.6	7.2	7.8	9
	L/min	0	90	100	110	120	130	150
WSP 406-7	HEAD H m	42	28	25	22	19	15	8
WSP 406-10		62	41	38	34	29	23	12
WSP 406-14		90	63	59	53	46	37	19
WSP 406-20		125	86	80	71	62	52	29
WSP 406-27		169	115	107	96	84	70	39
WSP 406-34		208	143	132	120	103	86	48
WSP 406-36		221	154	143	127	112	93	49
WSP 406-49		302	209	193	171	151	123	64



WSP 406 DATOS Y CURVAS - 50 Hz

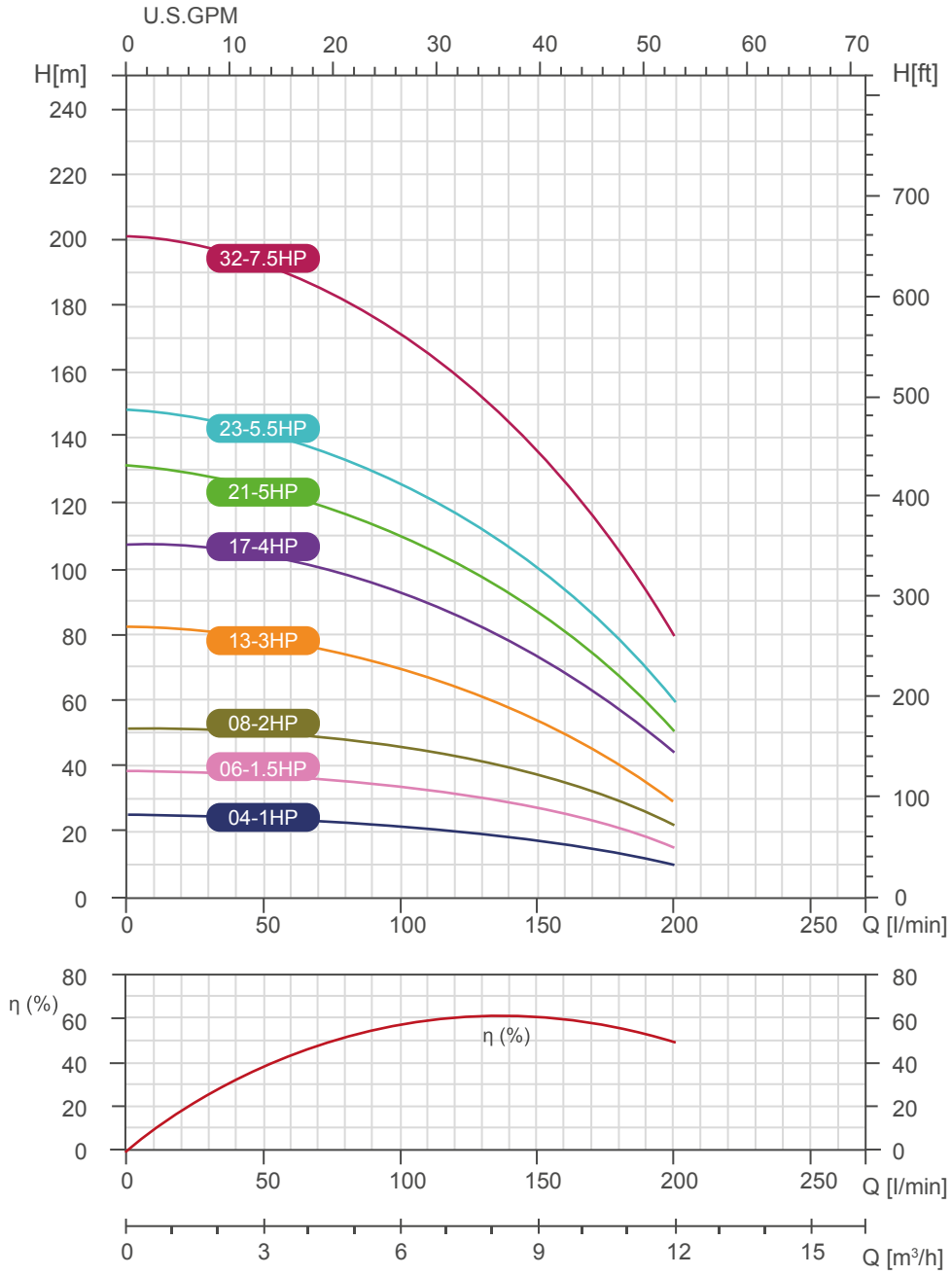
WSP 406 PERFORMANCE DATA - 50 HZ

WATEX

WSP 408 DATOS Y CURVAS - 50 Hz

WSP 408 PERFORMANCE DATA - 50 Hz

WATEX



WSP 408

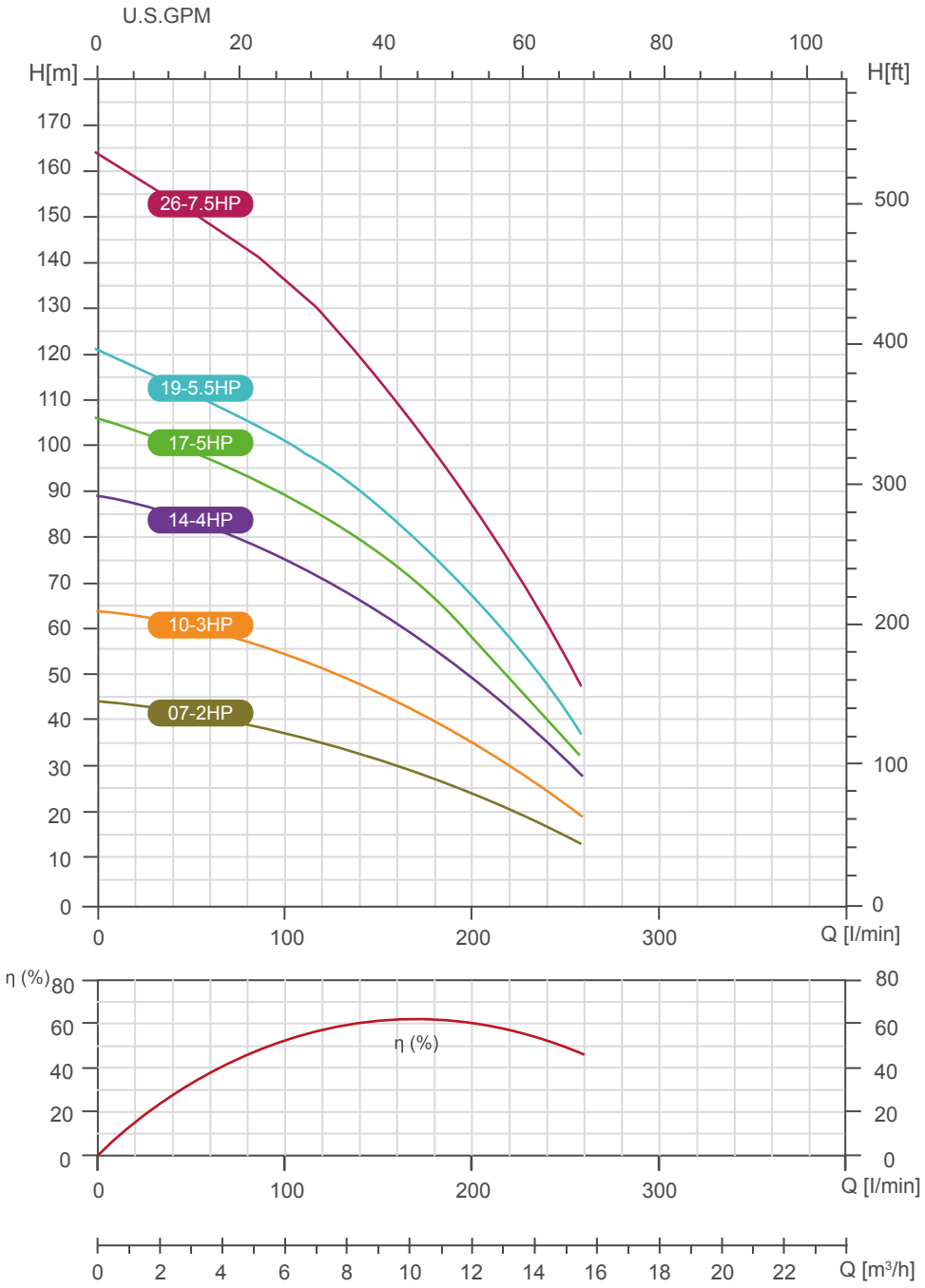
TYPE	N. OF STAGES	MOTOR		PUMP		
		KW	HP	L (mm)	DN (RPT or NPT)	kg
WSP 408-4	4	0.75	1.00	294	2"	2.8
WSP 408-6	6	1.10	1.50	356	2"	3.4
WSP 408-8	8	1.50	2.00	418	2"	4.0
WSP 408-13	13	2.20	3.00	573	2"	5.5
WSP 408-17	17	3.00	4.00	697	2"	6.6
WSP 408-21	21	3.70	5.00	859	2"	7.8
WSP 408-23	23	4.00	5.50	921	2"	8.4
WSP 408-32	32	5.50	7.50	1238	2"	11.0

TYPE	Q	DELIVERY						
	M³/hr	0	7.2	7.8	8.4	9.0	9.6	12
	L/min	0	120	130	140	150	160	200
WSP 408-4	HEAD H m	26	21	20	19	18	17	11
WSP 408-6		39	32	30	29	27	26	18
WSP 408-8		52	43	40	39	37	35	24
WSP 408-13		82	66	62	59	53	50	30
WSP 408-17		108	87	83	79	75	70	47
WSP 408-21		132	103	98	93	88	82	52
WSP 408-23		148	118	113	108	101	95	60
WSP 408-32		202	160	151	143	133	125	80

WSP 412

TYPE	N. OF STAGES	MOTOR		PUMP		
		KW	HP	L (mm)	DN (RPT or NPT)	kg
WSP 412-7	7	1.50	2.00	534	2”	5.3
WSP 412-10	10	2.20	3.00	690	2”	6.7
WSP 412-14	14	3.00	4.00	989	2”	8.6
WSP 412-17	17	3.70	5.00	1092	2”	10.1
WSP 412-19	19	4.00	5.50	1195	2”	11.0
WSP 412-26	26	5.50	7.50	1559	2”	14.3

TYPE	Q	DELIVERY						
	M^3/hr	0	9.6	10.8	12.0	13.0	14.4	15.6
	L/min	0	160	180	200	220	240	260
WSP 412-7	HEAD H m	45	31	28	25	22	18	14
WSP 412-10		64	44	41	36	32	26	20
WSP 412-14		89	62	56	49	43	35	29
WSP 412-17		107	74	67	59	51	42	33
WSP 412-19		120	89	76	68	58	48	38
WSP 412-26		163	111	100	87	75	61	47

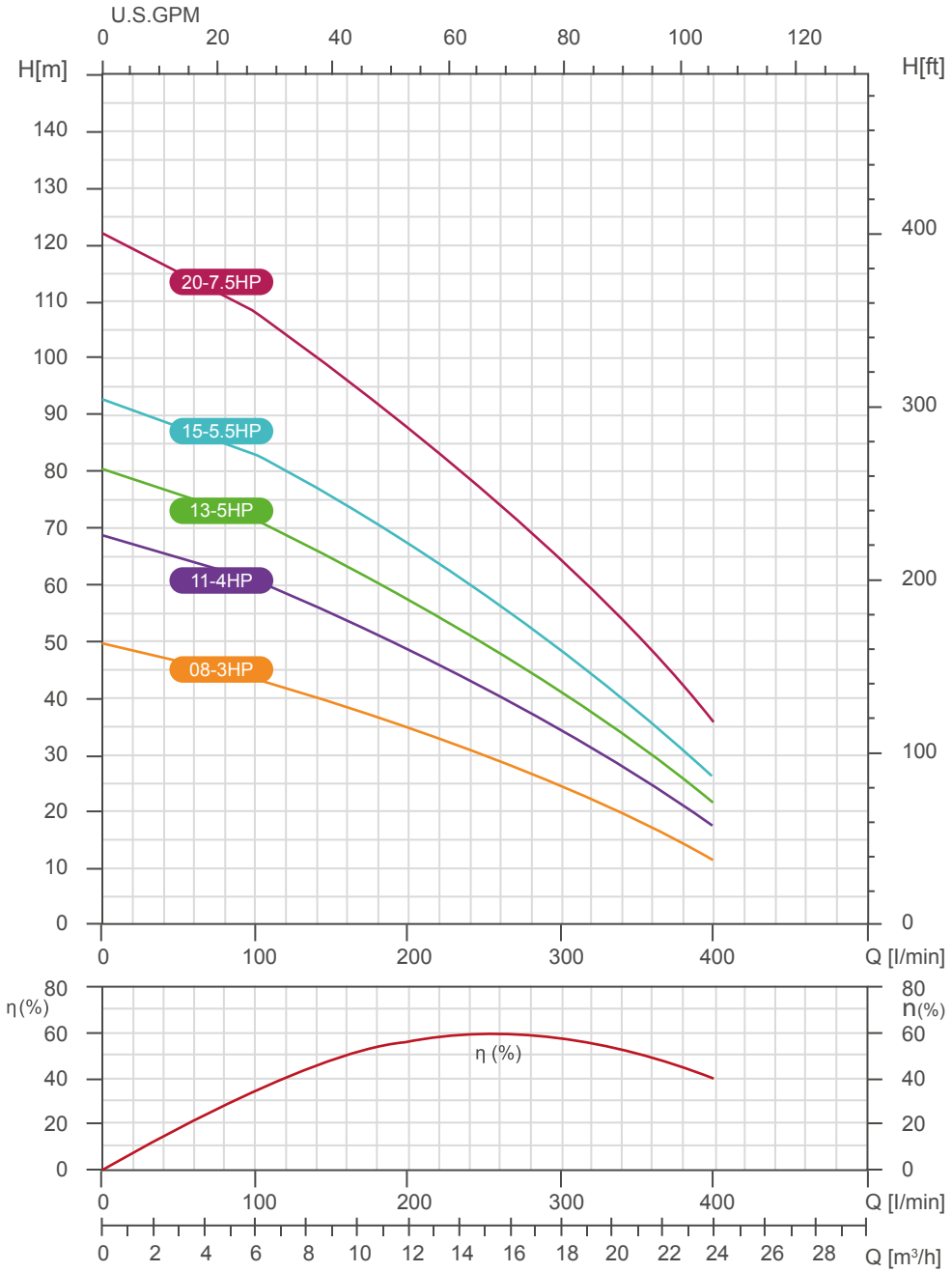


WSP 412 DATOS Y CURVAS - 50 Hz

WSP 412 PERFORMANCE DATA - 50 Hz

WATEX

WSP 416



TYPE	N. OF STAGES	MOTOR		PUMP		
		KW	HP	L (mm)	DN (RPT or NPT)	kg
WSP 416-8	8	2.20	3.00	676	2"	6.3
WSP 416-11	11	3.00	4.00	880	2"	8.1
WSP 416-13	13	3.70	5.00	1013	2"	9.3
WSP 416-15	15	4.00	5.50	1149	2"	10.5
WSP 416-20	20	5.50	7.50	1489	2"	13.5

TYPE	Q	DELIVERY						
	M^3/hr	0	15.6	16.8	18.0	19.2	20.4	24.0
	L/min	0	260	280	300	320	340	400
WSP 416-8	HEAD H m	51	29	27	24	20	18	13
WSP 416-11		70	41	38	34	30	27	18
WSP 416-13		81	48	45	41	36	32	23
WSP 416-15		97	58	54	50	43	39	27
WSP 416-20		125	74	70	65	56	44	36

50 Hz		4" Single Phase Motor - 50 Hz -												
		Thrust Load	Weight	H	KW	Hp	In	Istart	RPM	Cos	Ts/Tn	EFF%	Fμ
		N	Kg	mm			Amp						
Single Phase 220/230V 50 Hz	PRS	1500	7	325	0,37	0,5	3,4/3,6	10,2	2860	0,94	0,75	53	20
	PRS		7,6		0,55	0,75	4,2/4,5	13,6	2855	0,94	0,63	61	25
	PRS		8,7	350	0,75	1	5,8/6,0	18,5	2855	0,96	0,62	63	35
	PRS		10,3	385	1,1	1,5	8,0/8,2	26	2855	0,97	0,62	67	40
	PRS		12	420	1,5	2	10,8/11,0	34	2855	0,98	0,62	65	60
	PRS	1500	14,2	470	2,2	3	14,6/14,8	48	2820	0,96	0,64	68	80

50 Hz		4"Three Phse Motor- 50 Hz -										
		Thrust Load	Weight	H	KW	Hp	In	Istart	RPM	Cos	Ts/Tn	EFF%
		N	Kg	mm			Amp					
380/400V50Hz Three Phase	PRT	1500	6,5	325	0,37	0,5	1,4/1,6	5	2840	0,72	2,8	58
	PRT		7		0,55	0,75	1,9/2,0	7	2830	0,75	3,1	62
	PRT		7,6		0,75	1	2,4/2,6	10	2830	0,74	3,3	67
	PRT		8,7	350	1,1	1,5	3,2/3,4	14	2820	0,74	3,2	67
	PRT		10,4	385	1,5	2	4,4/4,6	17	2820	0,72	3,4	68
	PRT		12	420	2,2	3	6,0/6,2	24	2820	0,76	3,1	74
	PRTM	2500	14,2	470			6,0/6,2	24	2820	0,76	3,1	74
	PRT	2500	11,9	418	3	4	7,7/7,8	30	2860	0,8	2,8	78
	PRTM	4400	19	550			7,9/8,0	34	2860	0,78	3,5	75
	PRT	2500	13,4	468	4	5,5	9,7/9,8	45	2825	0,82	3	78
	PRTM	4400	20,5	580			10,0/10,2	47	2840	0,78	3,5	75
	PRT	2500	15,5	538	5,5	7,5	13,5/13,8	55	2820	0,83	3	78
	PRTM	4400	22,4	650			14,0/14,4	58	2830	0,79	3,5	76
	PRTM	4400	27	810	7,5	10	19,0/19,5	72	2820	0,78	3,2	76

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