

Field Sprayer, Trailed Type Semi Hydraulic

APACHE YHL



agromaster®

We know the soil

www.agromaster.com

MODERN AND EFFICIENT **AGRICULTURE WITH CORRECT SPRAYING**

Spring system that minimizes oscillation on uneven land.

Clean water tank independent from main tank.

Pressure filter that increases spraying efficiency by filtering pressurized water.

Control that provides homogeneous and precise spraying norm.

Draining system that quickly drains the water remaining in the tank after spraying.



We know the soil



APACHE YHL SERIES

Field Sprayer, Trailed Type Semi Hydraulic

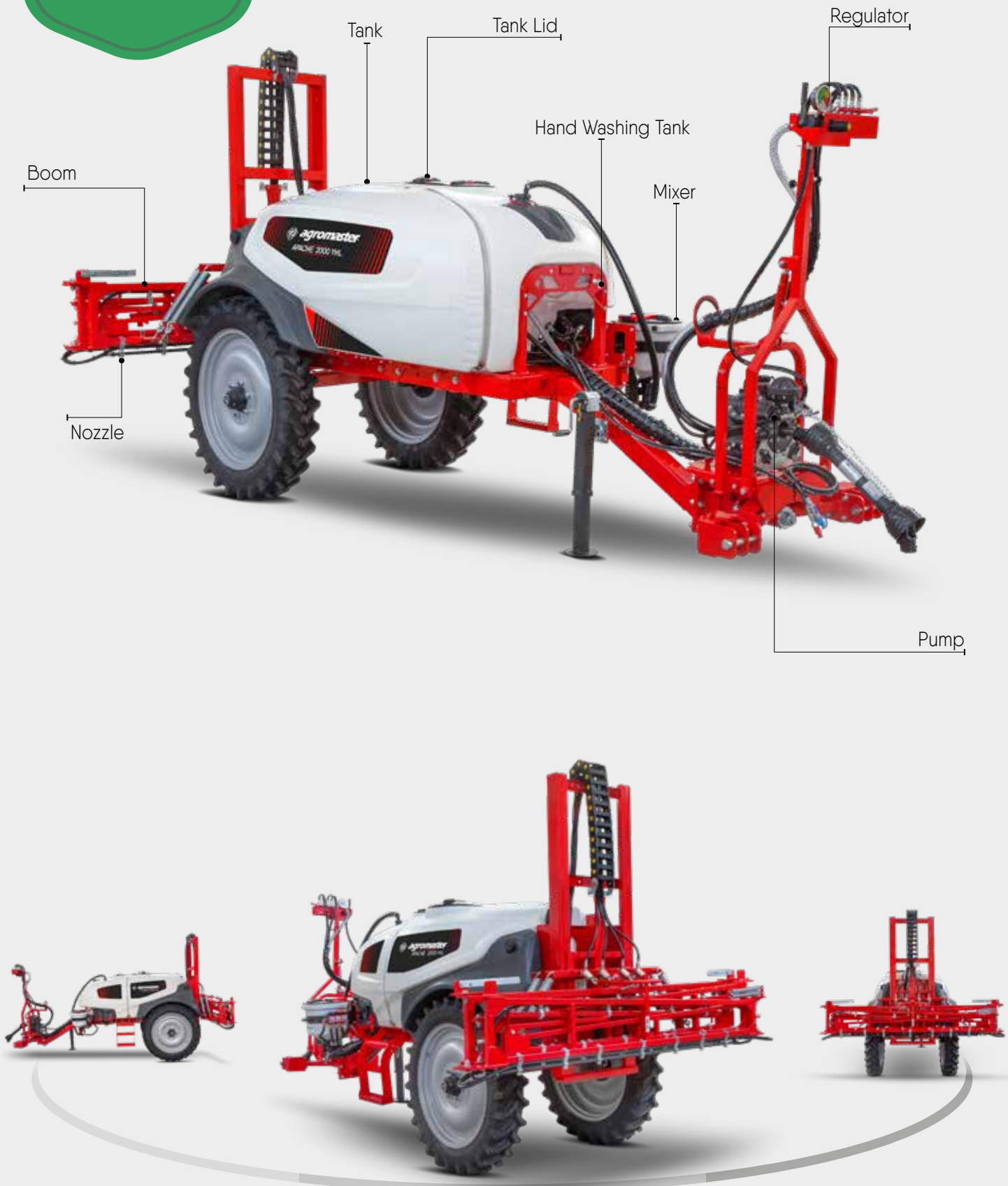
Agromaster sprayers are versatile sprayers ever built. APACHE YHL series heavy-duty semi-hydraulic boom sprayers are durable for many options and it finds use in traditional farming, horticulture, orchards, vineyards and on grasslands. Trailed type 2000, 3000 L field sprayers are used for multipurpose plant protection. Sprayers connected to drawbar of tractor and powered by P.T.O.



APACHE YHL 2000
APACHE YHL 3000

APACHE YHL, FIELD SPRAYER, TRAILED TYPE SEMI-HYDRAULIC BOOM

Apache YHL Trailed type 2000 lt, 3000 lt field sprayers are used for multipurpose plant protection.

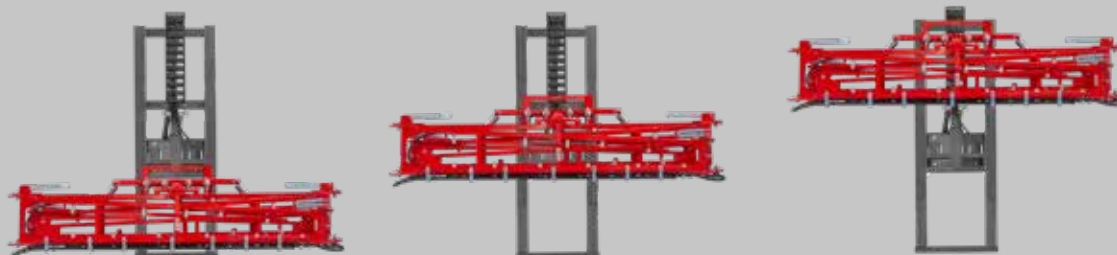


Technical Specifications*	Unit	APACHE YHL 2000	APACHE YHL 3000
Capacity	L	2000	3000
	gallon	528	792
Total Width (W)	mm	2780	2780
	ft.in	9'1"	9'1"
Total Length (L)	mm	4700	4700
	ft.in	15'5"	15'5"
Total Height (H)	mm	2650	2650
	ft.in	8'8"	8'8"
Pump Type		C 145 / membrane	
Pump Flowrate	L/min	145	
Pump Pressure	bar	50	
Boom Length	m	14-16	
	ft.in	45'-52'	
Regulator Model		OSR	
Pressure Safety Valve		Standard	
Tank Mixer		Standard	
Additional Mixer		Optional	
Tank Material		polyethylene	
PTO Rotation	rpm	540	
Required Power	hp	90	90
Total Weight	kg	-	-
	lbs	-	-

1 inch = 25,4 mm - 1 inch = 0,083 feet (foot) - 1 feet (foot) = 12 inch

* Manufacturer reserves rights to change them without notice.

EASY HEIGHT ADJUSTMENT



Manuel Controlled Boom

Technical Specifications*	Unit	BOOMS		
Working Width	m	8	10	12
	ft.in	26'3"	32'10"	39'4"
Total Length	mm	200	200	200
	ft.in	0'8"	0'8"	0'8"
Total Width	mm	2130	2130	2700
	ft.in	6'12"	6'12"	8'10"
Boom Type		mechanical		
Number of the nozzles	pcs	16	20	25
Nozzle Type		Conical/T-Jet		
Distance between Nozzle	mm	500		
	ft.in	1'8"		
Height	mm	430	430	570
	ft.in	1'5"	1'5"	1'10"
Weight	kg	35	41	63
	lbs	77	90	138

1 inch = 25,4 mm - 1 inch = 0,083 feet (foot) - 1 feet (foot) = 12 inch

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Semi-Hydraulic / Heavy Duty Semi-Hydraulic Controlled Boom

Technical Specifications*	Unit	BOOMS		
Working Width	m	12	14	16
	ft.in	39'4"	45'	52'
Total Length	mm	200	530	530
	ft.in	0'8"	1'8"	1'8"
Total Width	mm	2700	2720	2720
	ft.in	8'10"	8'11"	8'11"
Boom Type		semi-hydraulic	heavy-duty semi-hydraulic	
Number of the nozzles	pcs	25	29	33
Nozzle Type		Conical/T-Jet		
Distance between Nozzle	mm	500		
	ft.in	1'8"		
Height	mm	570	600	600
	ft.in	1'10"	1'12"	1'12"
Weight	kg	63	150	156
	lbs	138	330	343

1 inch = 25,4 mm - 1 inch = 0,083 feet (foot) - 1 feet (foot) = 12 inch

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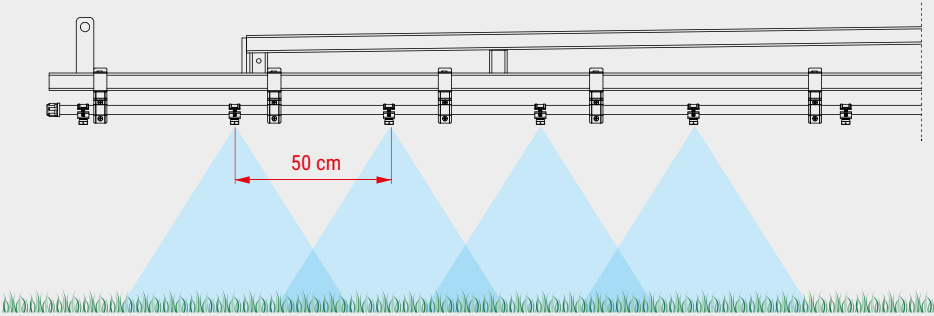
Homogeneous Mixture MAXIMUM EFFECT

Our sprayer is equipped with a dedicated mixer unit, ensuring that every chemical is blended into a perfectly homogeneous solution before it enters the main tank. This guarantees that each drop is evenly distributed, maximizing spraying efficiency and minimizing the risk of clogging

Optional



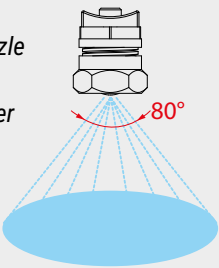
Distance Between Nozzles



Nozzle Spraying Types

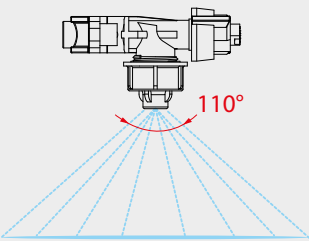
Chonic Brass Nozzle

Plate hole diameter
1.2 mm
1.5 mm

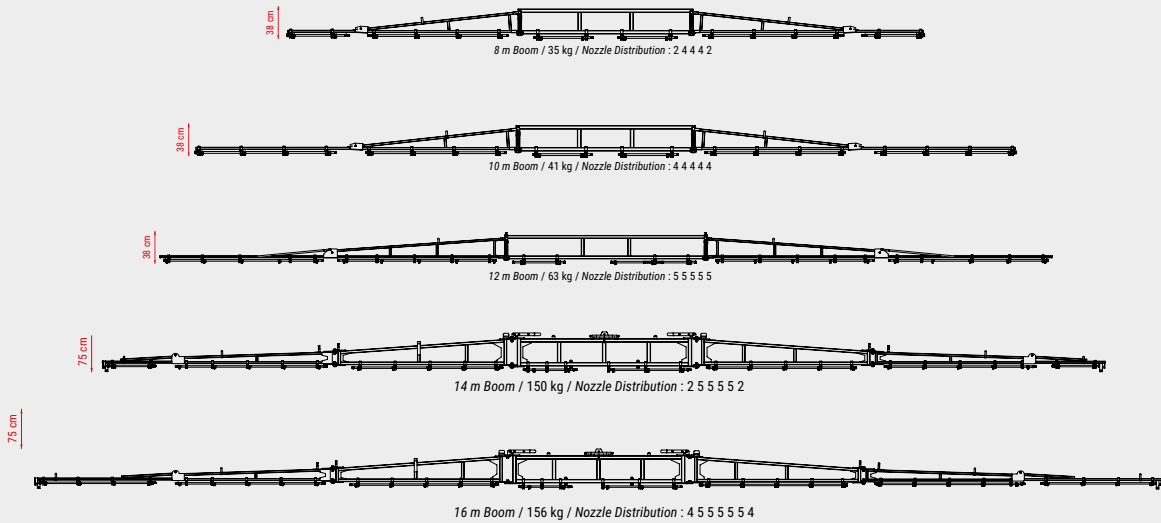


Curtain Spray Nozzle

Plate hole diameter
1.0 mm
1.2 mm
1.5 mm
2.0 mm
3.0 mm
4.0 mm



Boom Types



15 m Boom / 285 kg

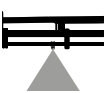
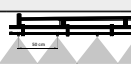
Spraying Norm Table for Conical Brass Nozzle

Hole Diameter (mm)*	Working Speed (km/h)	Pressure (bar)	Average Flow (lt/min)**	Spraying Norm (lt/ha)
1,2	5	4	0,44	194,4
1,2	6	4	0,44	162
1,2	7	4	0,44	138,9
1,2	8	4	0,44	121,5
1,2	10	4	0,44	97,2
1,2	12	4	0,44	81
1,2	14	4	0,44	69,4
1,2	16	4	0,44	60,8
1,2	18	4	0,44	54
1,2	5	6	0,93	223,2
1,2	6	6	0,93	186
1,2	7	6	0,93	159,4
1,2	8	6	0,93	139,5
1,2	10	6	0,93	111,6
1,2	12	6	0,93	93
1,2	14	6	0,93	79,7
1,2	16	6	0,93	69,8
1,2	18	6	0,93	62
1,2	5	8	1,1	264
1,2	6	8	1,1	220
1,2	7	8	1,1	185,6
1,2	8	8	1,1	165
1,2	10	8	1,1	132
1,2	12	8	1,1	110
1,2	14	8	1,1	94,3
1,2	16	8	1,1	82,5
1,2	18	8	1,1	73,3

* This symbol represents hole diameter for standard booms.

** This symbol represents average flow which is measured a nozzle.

Spraying Norm Table for T-Jet Nozzle

		l/min	l/ha 								
			5.0 km/h	6.0 km/h	7.0 km/h	8.0 km/h	10.0 km/h	12.0 km/h	14.0 km/h	16.0 km/h	18.0 km/h
ST 110-01 80-01 (80 M)	2.0	0.32	77	64	55	48	38	32	27	24	21
	2.5	0.36	86	72	62	54	43	36	31	27	24
	3.0	0.39	94	78	67	59	47	39	33	29	26
	4.0	0.45	108	90	77	68	54	45	39	34	30
	5.0	0.51	122	102	87	77	61	51	44	38	34
ST 110-015 80-015 (80 M)	2.0	0.48	115	96	82	72	58	48	41	36	32
	2.5	0.54	130	108	93	81	65	54	46	41	36
	3.0	0.59	142	118	101	89	71	59	51	44	39
	4.0	0.68	163	136	117	102	82	68	58	51	45
	5.0	0.76	182	152	130	114	91	76	65	57	51
ST 110-02 80-02 (60 M)	2.0	0.65	156	130	111	98	78	65	56	49	43
	2.5	0.73	175	146	125	110	88	73	63	55	49
	3.0	0.80	192	160	137	120	96	80	69	60	53
	4.0	0.92	221	184	158	138	110	92	79	59	61
	5.0	1.03	247	206	177	155	124	103	88	77	69
SC 110-025 (60 M)	2.0	0.81	194	162	139	122	97	81	69	61	54
	2.5	0.91	218	182	156	137	109	91	78	68	61
	3.0	0.99	238	198	170	149	119	99	85	74	66
	4.0	1.15	276	230	197	173	138	115	99	86	77
	5.0	1.28	307	256	219	192	154	128	110	96	85
SC/ST 110-032 80-03 (60 M)	2.0	0.97	233	194	166	146	116	97	83	73	65
	2.5	1.08	259	216	185	162	130	108	93	81	72
	3.0	1.19	286	238	204	179	143	119	102	89	79
	4.0	1.37	329	274	235	206	164	137	117	103	91
	5.0	1.53	367	306	262	230	184	153	131	115	102
SC/ST 110-04 80-04 (60 M)	2.0	1.29	310	258	221	194	155	129	111	97	86
	2.5	1.44	346	288	247	216	173	144	123	108	96
	3.0	1.58	379	316	271	237	190	158	135	119	105
	4.0	1.82	437	364	312	273	218	182	156	137	121
	5.0	2.04	490	408	350	306	245	204	175	153	136
SC/ST 110-05 80-05 (25 M)	2.0	1.61	386	322	276	242	193	161	138	121	107
	2.5	1.80	432	360	309	270	216	180	154	135	120
	3.0	1.97	473	394	338	296	236	197	169	148	131
	4.0	2.28	547	456	391	342	274	228	195	171	152
	5.0	2.55	612	510	437	383	306	255	219	191	170
SC/ST 110-06 80-06 (25 M)	2.0	1.93	463	386	331	290	232	193	165	145	129
	2.5	2.16	516	432	370	324	259	216	185	162	144
	3.0	2.36	566	472	405	354	283	236	202	177	157
	4.0	2.73	655	546	468	410	328	273	234	205	182
	5.0	3.05	732	610	523	458	366	305	261	229	203
SC/ST 110-05 80-05 (25 M)	2.0	2.58	619	516	442	387	310	258	221	194	172
	2.5	2.88	691	576	494	432	346	288	247	216	192
	3.0	3.16	758	632	542	474	379	316	271	237	211
	4.0	3.65	876	730	626	548	438	365	313	274	243
	5.0	4.08	979	816	699	612	490	408	350	306	272



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