NEW HOLLAND
P2050
Air Drill

SERVICE MANUAL



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MACHINE SPECIFICATIONS

AIR DRILL DIMENSIONS

Metric Dimensions (Meters)

BASE MACHINE	7.2" SPACING		10" SPACING		12" SPACING	
	# OF SHANKS	WIDTH OF CUT	# OF SHANKS	WIDTH OF CUT	# OF SHANKS	WIDTH OF CUT
8.2	45	8.2	34	8.6	28	8.5
10.1	55	10.1	40	10.2	34	10.4
11.9	65	11.9	48	12.2	40	12.2
13.7	75	13.7	56	14.2	46	14.0
15.5	85	15.5	62	25.7	52	15.9
17.4	95	17.4	70	17.8	58	17.7

BASE MACHINE	TRANSPORT WIDTH (1)	TRANSPORT HEIGHT (2)	AIR DRILL LENGTH
8.2	5.8	3.6	8.3
10.1	5.8	4.5	8.3
11.9	5.7	5.4	8.3
13.7	5.8	4.4	9.7
15.5	5.8	5.3	9.7
17.4	5.8	5.3	9.7

Imperial Dimensions (Feet)

BASE MACHINE	7.2" SPACING		10" SPACING		12" SPACING	
	# OF SHANKS	WIDTH OF CUT	# OF SHANKS	WIDTH OF CUT	# OF SHANKS	WIDTH OF CUT
27	45	27	34	28.3	28	28.0
33	55	33	40	33.3	34	34.0
39	65	39	48	40.0	40	40.0
45	75	45	56	46.7	46	46.0
51	85	51	62	51.7	52	52.0
57	95	57	70	58.3	58	58.0

BASE MACHINE	TRANSPORT WIDTH (1)	TRANSPORT HEIGHT (2)	AIR DRILL LENGTH
27	19'	11' 8"	27' 3"
33	19'	14' 8"	27' 3"
39	18' 10"	17' 9"	27' 3"
45	19'	14' 6"	31' 11"
51	19'	17' 6.5"	31' 11"
57	19'	17' 6.5"	31' 11"

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TROUBLESHOOTING TABLES

NOTE: For more information regarding air system troubleshooting refer to the air cart service or operator's manual.

PROBLEM	POSSIBLE CAUSES	POSSIBLE SOLUTIONS
The center manifold lines are plugged. Secondary manifold lines are plugged or hoses are pinched.	1. Not enough air velocity. 2. Fan turning too slowly. 3. Fan inlet is restricted. 4. Fan is rotating backwards. 5. Fan impeller flutes are clogged. 6. Air pack primary hoses may have too tight of a bend to center section manifold.	1. Adjust the air dampers. 2. Increase the fan RPM. 3. Keep the fan inlet clean. 4. Reverse hydraulic hoses at the fan motor. 5. Keep impeller flutes clean. 6. Check that the hoses have no restrictions.
Air is too 'thin'.	1. Air temperature is too high. 2. Operating at high elevation.	1. Reduce rate or ground speed. 2. Reduce rate or ground speed.
System capacity is exceeded.	1. Rate setting is too high. 2. Ground speed is too fast. 3. Product quality is poor.	1. Reduce application rate. 2. Reduce ground speed. 3. Use dry product.
Premature distribution system plugging.	1. Too many fines.	1. Use free flowing product.
System restricted too much.	1. Blockage downstream. 2. Restrictive boots.	1. Clear blockage or straighten kinked hoses. 2. Use larger opening on boots.
Unbalanced air flow (double shoot air system).	1. Unbalanced distribution system. 2. Air dampers not adjusted. 3. Product has collected in 'quiet zone' between valves.	1. Balance system. 2. Make proper air damper adjustments. 3. Allow some air to pass through to remove product.

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