

IB International Pty Ltd OCMIS HARD HOSE PERFORMANCE CHART

MAY 2005

MODEL : 150 / 450 mt. HOSE WALL 11.77 mm

NOZ SIZE	NOZ RADIUS	GUN WIDTH	WETTED mt x 80%	CAPACITY			AREA PER RUN	mm = Application rate per irrigated run																	
				Lt/Sec	Lt/Min	M3/h		10 mm	15 mm	20 mm	25 mm	30 mm	35 mm	40 mm	50 mm	60 mm									
							Travel speed & pressure required at the machine																		
mm	bar	mt					Ha.	mth	bar	mth	bar	mth	bar	mth	bar	mth	bar	mth	bar	mth	bar	mth	bar		
34	4.5	57	91	25.60	1536	92.16	4.53	101	6.7	67	6.5	51	6.5	40	6.4	34	6.3	29	6.3	25	6.3	20	6.2	17	6.2
	5.0	59	94	26.98	1619	97.14	4.71	103	7.4	69	7.2	51	7.2	41	7.1	34	7.0	29	7.0	26	7.0	21	6.9	17	6.9
	5.5	61	98	28.27	1696	101.76	4.89	104	8.0	70	7.8	52	7.8	42	7.7	35	7.6	30	7.6	26	7.6	21	7.5	17	7.5
	6.0	64	102	29.57	1774	106.44	5.16	104	8.6	69	8.4	52	8.4	42	8.3	35	8.2	30	8.2	26	8.2	21	8.1	17	8.1
	7.0	68	109	31.88	1913	114.78	5.53	105	9.8	70	9.6	53	9.6	42	9.5	35	9.4	30	9.4	26	9.4	21	9.3	18	9.3
RECOMMENDED GEAR SELECTION								3.2		2.2		2.2		3.1		1.2		1.2		1.2		1.2		2.1	
36	4.5	58	93	28.68	1721	103.26	4.62	111	7.0	74	6.8	56	6.8	45	6.7	37	6.6	32	6.6	28	6.6	22	6.5	19	6.5
	5.0	61	98	30.23	1814	108.84	4.89	112	7.7	74	7.5	56	7.5	45	7.4	37	7.3	32	7.3	28	7.3	22	7.2	19	7.2
	5.5	63	101	31.68	1901	114.06	5.07	113	8.3	75	8.1	57	8.1	45	8.0	38	7.9	32	7.9	28	7.9	23	7.8	19	7.8
	6.0	66	106	33.13	1988	119.28	5.34	113	8.9	75	8.7	56	8.7	45	8.6	38	8.5	32	8.5	28	8.5	23	8.4	19	8.4
RECOMMENDED GEAR SELECTION								3.2		2.2		2.2		3.1		1.2		1.2		1.2		1.2		2.1	
38	4.5	63	101	33.70	2022	121.32	5.07	120	7.5	80	7.3	60	7.3	48	7.2	40	7.1	34	7.1	30	7.1	24	7.0	20	7.0
	5.0	65	104	36.87	2212	132.72	5.25	128	8.3	85	8.1	64	8.1	51	8.0	43	7.9	36	7.9	32	7.9	26	7.8	21	7.8
	5.5	68	109	36.93	2216	132.96	5.53	122	8.8	81	8.6	61	8.6	49	8.5	41	8.4	35	8.4	31	8.4	24	8.3	20	8.3
	6.0	72	115	39.83	2390	143.40	5.90	124	9.7	83	9.5	62	9.5	50	9.4	41	9.3	35	9.3	31	9.3	25	9.2	21	9.2
RECOMMENDED GEAR SELECTION								3.2		2.2		2.2		3.1		1.2		1.2		1.2		1.2		2.1	
40	5.0	65	104	37.33	2240	134.40	5.25	129	8.4	86	8.2	65	8.2	52	8.1	43	8.0	37	8.0	32	8.0	26	7.9	22	7.9
	6.0	69	110	40.92	2455	147.30	5.62	133	9.8	89	9.6	67	9.6	53	9.5	44	9.4	38	9.4	33	9.4	27	9.3	22	9.3
	7.0	73	117	44.13	2648	158.88	5.99	136	11.2	91	11.0	68	11.0	54	10.9	45	10.8	39	10.8	34	10.8	27	10.7	23	10.7
RECOMMENDED GEAR SELECTION								3.2		2.2		2.2		3.1		1.2		1.2		1.2		1.2		2.1	
42	6.0	72	115	45.10	2706	162.36	5.90	141	10.3	94	10.1	70	10.1	56	10.0	47	9.9	40	9.9	35	9.9	28	9.8	23	9.8
	7.0	78	124	48.65	2919	175.14	6.42	141	11.8	94	11.6	71	11.6	56	11.5	47	11.4	40	11.4	35	11.4	28	11.3	24	11.3
RECOMMENDED GEAR SELECTION								3.2		2.2		2.2		3.1		1.2		1.2		1.2		1.2		2.1	
44	6.0	74	118	49.48	2969	178.14	6.09	150	10.9	100	10.7	75	10.7	60	10.6	50	10.5	43	10.5	38	10.5	30	10.4	25	10.4
RECOMMENDED GEAR SELECTION								3.2		2.2		2.2		3.1		1.2		1.2		1.2		1.2		2.1	

N.B. These tables are merely indicative because they have been worked out through a mathematical formula and according to average working conditions . Consequently Ocmis and IB International decline any responsibilities deriving from their application .