

IB International Pty Ltd OCMIS HARD HOSE PERFORMANCE CHART

MAY 2005

MODEL : 150 / 500 mt. HOSE WALL 12.22 mm

NOZ SIZE	NOZ RADIUS	GUN WIDTH	WETTER 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															
mm	bar	mt					Ha.	Travel speed & pressure required at the machine																							
								mth	bar	mth	bar	mth	bar	mth	bar	mth	bar	mth	bar	mth	bar	mth	bar	mth	bar						
30	3.0	48	77	16.23	974	58.44	4.13	76	4.6	51	4.4	38	4.4	30	4.3	25	4.2	22	4.2	19	4.2	15	4.1	13	4.1						
	4.0	52	83	18.78	1127	67.62	4.51	81	5.8	54	5.6	41	5.6	33	5.5	27	5.4	23	5.4	20	5.4	16	5.3	14	5.3						
	4.5	53	85	19.92	1195	71.70	4.60	85	6.4	56	6.2	42	6.2	34	6.1	28	6.0	24	6.0	21	6.0	17	5.9	14	5.9						
	5.0	56	90	21.00	1260	75.60	4.89	84	7.0	56	6.8	42	6.8	34	6.7	28	6.6	24	6.6	21	6.6	17	6.5	14	6.5						
	5.5	57	91	22.00	1320	79.20	4.99	87	7.6	58	7.4	43	7.4	35	7.3	29	7.2	25	7.2	22	7.2	17	7.1	14	7.1						
RECOMMENDED GEAR SELECTION								2.2		2.2		3.1		3.1		1.2		1.2		1.2		1.2		1.1		1.1					
32	4.0	54	86	21.37	1282	76.92	4.70	89	6.0	59	5.8	45	5.8	36	5.7	30	5.6	25	5.6	22	5.6	18	5.5	15	5.5						
	4.5	55	88	22.65	1359	81.54	4.80	93	6.6	62	6.4	46	6.4	37	6.3	31	6.2	26	6.2	23	6.2	19	6.1	15	6.1						
	5.0	58	93	23.88	1433	85.98	5.09	93	7.3	62	7.1	46	7.1	37	7.0	31	6.9	26	6.9	23	6.9	19	6.8	15	6.8						
	5.5	60	96	25.02	1501	90.06	5.28	94	7.9	63	7.7	47	7.7	38	7.6	31	7.5	27	7.5	23	7.5	19	7.4	16	7.4						
	6.0	62	99	26.17	1570	94.20	5.48	95	8.5	63	8.3	47	8.3	38	8.2	32	8.1	27	8.1	24	8.1	19	8.0	16	8.0						
RECOMMENDED GEAR SELECTION								2.2		2.2		3.1		3.1		1.2		1.2		1.2		1.2		1.1		1.1					
34	4.5	57	91	25.60	1536	92.16	4.99	101	6.9	67	6.7	51	6.7	40	6.6	34	6.5	29	6.5	25	6.5	20	6.4	17	6.4						
	5.0	59	94	26.98	1619	97.14	5.18	103	7.6	69	7.4	51	7.4	41	7.3	34	7.2	29	7.2	26	7.2	21	7.1	17	7.1						
	5.5	61	98	28.27	1696	101.76	5.38	104	8.2	70	8.0	52	8.0	42	7.9	35	7.8	30	7.8	26	7.8	21	7.7	17	7.7						
	6.0	64	102	29.57	1774	106.44	5.67	104	8.8	69	8.6	52	8.6	42	8.5	35	8.4	30	8.4	26	8.4	21	8.3	17	8.3						
	7.0	68	109	31.88	1913	114.78	6.07	105	10.1	70	9.9	53	9.9	42	9.8	35	9.7	30	9.7	26	9.7	21	9.6	18	9.6						
RECOMMENDED GEAR SELECTION								3.2		2.2		2.2		3.1		1.2		1.2		1.2		1.2		2.1		2.1					
36	4.5	58	93	28.68	1721	103.26	5.09	111	7.2	74	7.0	56	7.0	45	6.9	37	6.8	32	6.8	28	6.8	22	6.7	19	6.7						
	5.0	61	98	30.23	1814	108.84	5.38	112	7.9	74	7.7	56	7.7	45	7.6	37	7.5	32	7.5	28	7.5	22	7.4	19	7.4						
	5.5	63	101	31.68	1901	114.06	5.57	113	8.6	75	8.4	57	8.4	45	8.3	38	8.2	32	8.2	28	8.2	23	8.1	19	8.1						
	6.0	66	106	33.13	1988	119.28	5.87	113	9.2	75	9.0	56	9.0	45	8.9	38	8.8	32	8.8	28	8.8	23	8.7	19	8.7						
RECOMMENDED GEAR SELECTION								3.2		2.2		2.2		3.1		1.2		1.2		1.2		1.2		2.1		2.1					
38	4.5	63	101	33.70	2022	121.32	5.57	120	7.8	80	7.6	60	7.5	48	7.5	40	7.4	34	7.4	30	7.4	24	7.3	20	7.3						
	5.0	65	104	36.87	2212	132.72	5.77	128	8.7	85	8.5	64	8.5	51	8.4	43	8.3	36	8.3	32	8.3	26	8.2	21	8.2						
	5.5	68	109	36.93	2216	132.96	6.07	122	9.2	81	9.0	61	9.0	49	8.9	41	8.8	35	8.8	31	8.8	24	8.7	20	8.7						
	6.0	72	115	39.83	2390	143.40	6.47	124	10.1	83	9.9	62	9.9	50	9.8	41	9.7	36	9.7	31	9.7	25	9.6	21	9.6						
RECOMMENDED GEAR SELECTION								3.2		2.2		2.2		3.1		1.2		1.2		1.2		1.2		2.1		2.1					
40	5.0	65	104	37.33	2240	134.40	5.77	129	8.8	86	8.6	65	8.6	52	8.5	43	8.4	37	8.4	32	8.4	26	8.3	22	8.3						
	6.0	69	110	40.92	2455	147.30	6.17	133	10.2	89	10.0	67	10.0	53	9.9	44	9.8	38	9.8	33	9.8	27	9.7	22	9.7						
42	6.0	72	115	45.10	2706	162.36	6.47	141	10.8	94	10.6	70	10.6	56	10.5	47	10.4	40	10.4	35	10.4	28	10.3	23	10.3						
44	6.0	74	118	49.48	2969	178.14	6.68	150	11.5	100	11.3	75	11.3	60	11.2	50	11.1	43	11.1	38	11.1	30	11.0	25	11.0						
RECOMMENDED GEAR SELECTION								3.2		2.2		2.2		3.1		1.2		1.2		1.2		1.2		2.1		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 .