

IB International Pty Ltd OCMIS HARD HOSE PERFORMANCE CHART

MAY 2005

MODEL : 125 / 250 mt. HOSE WALL 9 mm

NOZ SIZE	NOZ RADIUS	GUN mt	WETTED WIDTH 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		
28	3.0	44	70	14.13	848	50.88	2.00	72	4.5	48	4.3	36	4.3	29	4.2	24	4.2	21	4.1	18	4.1	14	4.0	12	4.0
	4.0	48	77	16.35	981	58.86	2.21	77	5.7	51	5.5	38	5.5	31	5.4	26	5.4	22	5.3	19	5.3	15	5.2	13	5.2
	4.5	50	80	17.33	1040	62.40	2.32	78	6.3	52	6.1	39	6.1	31	6.0	26	6.0	22	5.9	20	5.9	16	5.8	13	5.8
	5.0	52	83	18.27	1096	65.76	2.43	79	6.8	53	6.6	40	6.6	32	6.5	26	6.5	23	6.4	20	6.4	16	6.3	13	6.3
	5.5	54	86	19.15	1149	68.94	2.54	80	7.4	53	7.2	40	7.2	32	7.1	27	7.1	23	7.0	20	7.0	16	6.9	13	6.9
	6.0	55	88	20.03	1202	72.12	2.60	82	8.0	55	7.8	41	7.8	33	7.7	27	7.7	23	7.6	20	7.6	16	7.5	14	7.5
RECOMMENDED GEAR SELECTION								4		3		3		2		2		2		2		1		1	
30	3.0	48	77	16.23	974	58.44	2.21	76	4.7	51	4.5	38	4.5	30	4.4	25	4.4	22	4.3	19	4.3	15	4.2	13	4.2
	4.0	52	83	18.78	1127	67.62	2.43	81	5.9	54	5.7	41	5.7	33	5.6	27	5.6	23	5.5	20	5.5	16	5.4	14	5.4
	4.5	53	85	19.92	1195	71.70	2.48	85	6.5	56	6.3	42	6.3	34	6.2	28	6.2	24	6.1	21	6.1	17	6.0	14	6.0
	5.0	56	90	21.00	1260	75.60	2.65	84	7.1	56	6.9	42	6.9	34	6.8	28	6.8	24	6.7	21	6.7	17	6.6	14	6.6
	5.5	57	91	22.00	1320	79.20	2.71	87	7.7	58	7.5	43	7.5	35	7.4	29	7.4	25	7.3	22	7.3	17	7.2	14	7.2
	6.0	60	96	23.02	1381	82.86	2.88	86	8.3	58	8.1	43	8.1	35	8.0	29	8.0	25	7.9	22	7.9	17	7.8	14	7.8
RECOMMENDED GEAR SELECTION								4		3		3		2		2		2		2		2		1	
32	4.0	54	86	21.37	1282	76.92	2.54	89	6.1	59	5.9	45	5.9	36	5.8	30	5.8	25	5.7	22	5.7	18	5.6	15	5.6
	4.5	56	90	22.65	1359	81.54	2.65	91	6.7	61	6.5	46	6.5	36	6.4	30	6.4	26	6.3	23	6.3	18	6.2	15	6.2
	5.0	58	93	23.88	1433	85.98	2.77	93	7.3	62	7.1	46	7.1	37	7.0	31	7.0	26	6.9	23	6.9	19	6.8	15	6.8
	5.5	60	96	25.02	1501	90.06	2.88	94	8.0	63	7.8	47	7.8	38	7.7	31	7.7	27	7.6	23	7.6	19	7.5	16	7.5
	6.0	62	99	26.17	1570	94.20	3.00	95	8.6	63	8.4	47	8.4	38	8.3	32	8.3	27	8.2	24	8.2	19	8.1	16	8.1
	RECOMMENDED GEAR SELECTION								4		3		3		2		2		2		2		2		1
34	4.5	57	91	25.60	1536	92.16	2.71	101	7.0	67	6.8	51	6.8	40	6.7	34	6.7	29	6.6	25	6.6	20	6.5	17	6.5
	5.0	59	94	26.98	1619	97.14	2.82	103	7.7	69	7.5	51	7.5	41	7.4	34	7.4	29	7.3	26	7.3	21	7.2	17	7.2
	5.5	61	98	28.27	1696	101.76	2.94	104	8.3	70	8.1	52	8.1	42	8.0	35	8.0	30	7.9	26	7.9	21	7.8	17	7.8
	6.0	64	102	29.57	1774	106.44	3.11	104	9.0	69	8.8	52	8.8	42	8.7	35	8.7	30	8.6	26	8.6	21	8.5	17	8.5
	7.0	68	109	31.88	1913	114.78	3.35	105	10.2	70	10.0	53	10.0	42	9.9	35	9.9	30	9.8	26	9.8	21	9.7	18	9.7
	RECOMMENDED GEAR SELECTION								4		4		3		3		2		2		2		2		2
36	4.5	58	93	28.68	1721	103.26	2.77	111	7.4	74	7.2	56	7.2	45	7.1	37	7.1	32	7.0	28	7.0	22	6.9	19	6.9
	5.0	61	98	30.23	1814	108.84	2.94	112	8.0	74	7.8	56	7.8	45	7.7	37	7.7	32	7.6	28	7.6	22	7.5	19	7.5
	5.5	63	101	31.68	1901	114.06	3.05	113	8.7	75	8.5	57	8.5	45	8.4	38	8.4	32	8.3	28	8.3	23	8.2	19	8.2
	6.0	66	106	33.13	1988	119.28	3.23	113	9.4	75	9.2	56	9.2	45	9.1	38	9.1	32	9.0	28	9.0	23	8.9	19	8.9
	7.0	70	112	35.73	2144	128.64	3.47	115	10.7	77	10.5	57	10.5	46	10.4	38	10.4	33	10.3	29	10.3	23	10.2	19	10.2
	8.0	74	118	38.25	2295	137.70	3.72	116	12.1	78	11.9	58	11.9	47	11.8	39	11.8	33	11.7	29	11.7	23	11.6	19	11.6
RECOMMENDED GEAR SELECTION								4		4		3		3		3		2		2		2		2	

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 .