

# IB International Pty Ltd OCMIS HARD HOSE PERFORMANCE CHART

MAY 2005

MODEL : 125 / 500 mt. HOSE WALL 10.4 mm

NOZ	NOZ	GUN	WETTED	CAPACITY			AREA	mm = Application rate per irrigated run																	
				Lt/Sec	Lt/Min	M3/h		PER	10 mm	15 mm	20 mm	25 mm	30 mm	35 mm	40 mm	50 mm	60 mm								
SIZE	RADIUS	WIDTH					RUN	Travel speed & pressure required at the machine																	
mm	bar	mt	x 80%				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	3.76	72	5.2	48	5.0	36	5.0	29	4.9	24	4.8	21	4.8	18	4.8	14	4.7	12	4.7
	4.0	48	77	16.35	981	58.86	4.13	77	6.6	51	6.4	38	6.4	31	6.3	26	6.2	22	6.2	19	6.2	15	6.1	13	6.1
	4.5	50	80	17.33	1040	62.40	4.32	78	7.2	52	7.0	39	7.0	31	6.9	26	6.8	22	6.8	20	6.8	16	6.7	13	6.7
	5.0	52	83	18.27	1096	65.76	4.51	79	7.9	53	7.7	40	7.7	32	7.6	26	7.5	23	7.5	20	7.5	16	7.4	13	7.4
	5.5	54	86	19.15	1149	68.94	4.70	80	8.6	53	8.4	40	8.4	32	8.3	27	8.2	23	8.2	20	8.2	16	8.1	13	8.1
	6.0	55	88	20.03	1202	72.12	4.80	82	9.2	55	9.0	41	9.0	33	8.9	27	8.8	23	8.8	20	8.8	16	8.7	14	8.7
RECOMMENDED GEAR SELECTION								2. 2		3. 1		1. 2		1. 2		1. 2		2. 1		2. 1		1. 1		1. 1	
30	3.0	48	77	16.23	974	58.44	4.13	76	5.6	51	5.4	38	5.4	30	5.3	25	5.2	22	5.2	19	5.2	15	5.1	13	5.1
	4.0	52	83	18.78	1127	67.62	4.51	81	7.0	54	6.8	41	6.8	33	6.7	27	6.6	23	6.6	20	6.6	16	6.5	14	6.5
	4.5	53	85	19.92	1195	71.70	4.60	85	7.7	56	7.5	42	7.5	34	7.4	28	7.3	24	7.3	21	7.3	17	7.2	14	7.2
	5.0	56	90	21.00	1260	75.60	4.89	84	8.4	56	8.2	42	8.2	34	8.1	28	8.0	24	8.0	21	8.0	17	7.9	14	7.9
	5.5	58	93	22.00	1320	79.20	5.09	85	9.1	57	8.9	43	8.9	34	8.8	28	8.7	24	8.7	21	8.7	17	8.6	14	8.6
	6.0	60	96	23.02	1381	82.86	5.28	86	9.9	58	9.7	43	9.7	35	9.6	29	9.5	25	9.5	22	9.5	17	9.4	14	9.4
RECOMMENDED GEAR SELECTION								2. 2		3. 1		3. 1		1. 2		1. 2		2. 1		2. 1		2. 1		1. 1	
32	4.0	54	86	21.37	1282	76.92	4.70	89	7.5	59	7.3	45	7.3	36	7.2	30	7.1	25	7.1	22	7.1	18	7.0	15	7.0
	4.5	56	90	22.65	1359	81.54	4.89	91	8.3	61	8.1	46	8.1	36	8.0	30	7.9	26	7.9	23	7.9	18	7.8	15	7.8
	5.0	58	93	23.88	1433	85.98	5.09	93	9.1	62	8.9	46	8.9	37	8.8	31	8.7	26	8.7	23	8.7	19	8.6	15	8.6
	5.5	60	96	25.02	1501	90.06	5.28	94	9.8	63	9.6	47	9.6	38	9.5	31	9.4	27	9.4	23	9.4	19	9.3	16	9.3
	6.0	62	99	26.17	1570	94.20	5.48	95	10.6	63	10.4	47	10.4	38	10.3	32	10.2	27	10.2	24	10.2	19	10.1	16	10.1
RECOMMENDED GEAR SELECTION								3. 2		2. 2		3. 1		3. 1		1. 2		1. 2		2. 1		2. 1		1. 1	
34	4.5	57	91	25.60	1536	92.16	4.99	101	8.9	67	8.7	51	8.7	40	8.6	34	8.5	29	8.5	25	8.5	20	8.4	17	8.4
	5.0	59	94	26.98	1619	97.14	5.18	103	9.8	69	9.6	51	9.6	41	9.5	34	9.4	29	9.4	26	9.4	21	9.3	17	9.3
	5.5	61	98	28.27	1696	101.76	5.38	104	10.6	70	10.4	52	10.4	42	10.3	35	10.2	30	10.2	26	10.2	21	10.1	17	10.1
	6.0	64	102	29.57	1774	106.44	5.67	104	11.4	69	11.2	52	11.2	42	11.1	35	11.0	30	11.0	26	11.0	21	10.9	17	10.9
RECOMMENDED GEAR SELECTION								3. 2		2. 2		3. 1		3. 1		3. 1		1. 2		2. 1		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 .