

# IB International Pty Ltd OCMIS HARD HOSE PERFORMANCE CHART

MAY 2005

MODEL : 50 / 250 mt. HOSE WALL 3.7mm

NOZ SIZE	NOZ RADIUS	GUN WIDTH	WETTED mt	CAPACITY			AREA PER	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	x 80%				Ha.	mth	bar	mth	bar	mth	bar	mth	bar	mth	bar	mth	bar	mth	bar	mth	bar	
10	2.0	18	29	2.00	120	7.20	0.74	25	4.1	17	4.0	13	3.9	10	3.9	8	3.9	7	3.8	6	3.8			
	3.0	21	34	2.43	146	8.76	0.88	26	5.7	17	5.6	13	5.5	10	5.5	9	5.5	7	5.4	7	5.4			
	4.0	23	37	2.82	169	10.14	0.97	28	7.2	18	7.1	14	7.0	11	7.0	9	7.0	8	6.9	7	6.9			
RECOMMENDED GEAR SELECTION								2		2		2		1		1		1		1				
12	2.0	20	32	2.65	159	9.54	0.83	30	5.0	20	4.9	15	4.8	12	4.8	10	4.8	9	4.7	7	4.7			
	3.0	22	35	3.23	194	11.64	0.92	33	6.9	22	6.8	17	6.7	13	6.7	11	6.7	9	6.6	8	6.6			
	4.0	25	40	3.73	224	13.44	1.06	34	8.9	22	8.8	17	8.7	13	8.7	11	8.7	10	8.6	8	8.6			
RECOMMENDED GEAR SELECTION								3		2		2		1		1		1		1				
14	2.0	21	34	3.25	195	11.70	0.88	35	6.0	23	5.9	17	5.8	14	5.8	12	5.8	10	5.7	9	5.7			
	2.5	22	35	3.82	229	13.74	0.92	39	7.5	26	7.4	20	7.3	16	7.3	13	7.3	11	7.2	10	7.2	8	7.2	
	3.0	24	38	4.18	251	15.06	1.01	39	8.8	26	8.7	20	8.6	16	8.6	13	8.6	11	8.5	10	8.5	8	8.5	
	4.0	26	42	4.83	290	17.40	1.11	42	11.2	28	11.1	21	11.0	17	11.0	14	11.0	12	10.9	10	10.9	8	10.9	
RECOMMENDED GEAR SELECTION								3		2		2		2		1		1		1		1		
16	2.0	21	34	4.28	257	15.42	0.88	46	8.0	31	7.9	23	7.8	18	7.8	15	7.8	13	7.7	11	7.7	9	7.7	8
	3.0	24	38	5.25	315	18.90	1.01	49	11.2	33	11.1	25	11.0	20	11.0	16	11.0	14	10.9	12	10.9	10	10.9	8
	4.0	27	43	6.07	364	21.84	1.15	51	14.4	34	14.3	25	14.2	20	14.2	17	14.2	14	14.1	13	14.1	10	14.1	8
RECOMMENDED GEAR SELECTION								2		2		2		2		2		1		1		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 .