

IB International Pty Ltd OCMIS HARD HOSE PERFORMANCE CHART

MAY 2005

MODEL : 75 / 330 mt. HOSE WALL 5.5mm

NOZ SIZE	NOZ RADIUS	GUN WIDTH	WETTED x 80%	CAPACITY			AREA PER RUN	mm = Application rate per irrigated run																		
				Lt/Sec	Lt/Min	M3/h		10mm	15 mm	20 mm	25 mm	30 mm	35 mm	40 mm	50 mm	60 mm										
							Travel speed & pressure required at the machine																			
							Ha.		mth		bar		mth		bar		mth		bar		mth		bar			
14	2.0	25	40	2.90	174	10.44	1.38	26	3.5	17	3.2	13	3.0	10	3.0	9	3.0	7	3.0							
	3.0	29	46	3.53	212	12.72	1.62	27	4.7	18	4.4	14	4.2	11	4.2	9	4.2	8	4.2							
	3.5	30	48	3.82	229	13.74	1.68	29	5.3	19	5.0	14	4.8	11	4.8	10	4.8	8	4.8							
	4.0	32	51	4.08	245	14.70	1.80	29	5.9	19	5.6	14	5.4	11	5.4	10	5.4	8	5.4							
	4.5	33	53	4.33	260	15.60	1.86	30	6.5	20	6.2	15	6.0	12	6.0	10	6.0	8	6.0							
	5.5	35	56	4.78	287	17.22	1.99	31	7.7	21	7.4	15	7.2	12	7.2	10	7.2	9	7.2	8	7.2					
RECOMMENDED GEAR SELECTION								3		2		1		1		1		1		1						
16	3.0	32	51	4.60	276	16.56	1.80	32	5.1	22	4.8	16	4.6	13	4.6	11	4.6	9	4.6	8	4.6					
	4.0	36	58	5.33	320	19.20	2.05	33	6.5	22	6.2	17	6.0	13	6.0	11	6.0	10	6.0	8	6.0					
	4.5	37	59	5.63	338	20.28	2.11	34	7.1	23	6.8	17	6.6	14	6.6	11	6.6	10	6.6	9	6.6					
	5.0	39	62	5.93	356	21.36	2.24	34	7.8	23	7.5	17	7.3	14	7.3	11	7.3	10	7.3	9	7.3					
	5.5	41	66	6.22	373	22.38	2.37	34	8.4	23	8.1	17	7.9	14	7.9	11	7.9	10	7.9	9	7.9					
RECOMMENDED GEAR SELECTION								3		2		2		1		1		1		1						
18	3.0	33	53	5.83	350	21.00	1.86	40	5.7	27	5.4	20	5.2	16	5.2	13	5.2	11	5.2	10	5.2	8	5.1			
	4.0	37	59	6.73	404	24.24	2.11	41	7.2	27	6.9	20	6.7	16	6.7	14	6.7	12	6.7	10	6.7	8	6.6			
	4.5	39	62	7.15	429	25.74	2.24	41	8.0	28	7.7	21	7.5	17	7.5	14	7.5	12	7.5	10	7.5	8	7.4			
	5.0	41	66	7.53	452	27.12	2.37	41	8.7	28	8.4	21	8.2	17	8.2	14	8.2	12	8.2	10	8.2	8	8.1			
	5.5	42	67	7.90	474	28.44	2.43	42	9.4	28	9.1	21	8.9	17	8.9	14	8.9	12	8.9	11	8.9	8	8.8			
RECOMMENDED GEAR SELECTION								3		2		2		2		1		1		1		1				
20	3.0	35	56	7.20	432	25.92	1.99	46	6.5	31	6.2	23	6.0	19	6.0	15	6.0	13	6.0	12	6.0	9	5.9	8	5.9	
	4.0	39	62	8.35	501	30.06	2.24	48	8.2	32	7.9	24	7.7	19	7.7	16	7.7	14	7.7	12	7.7	10	7.6	8	7.6	
	4.5	41	66	8.85	531	31.86	2.37	49	9.1	32	8.8	24	8.6	19	8.6	16	8.6	14	8.6	12	8.6	10	8.5	8	8.5	
	5.0	43	69	9.33	560	33.60	2.50	49	9.9	33	9.6	24	9.4	20	9.4	16	9.4	14	9.4	12	9.4	10	9.3	8	9.3	
	5.5	44	70	9.77	586	35.16	2.56	50	10.8	33	10.5	25	10.3	20	10.3	17	10.3	14	10.3	12	10.3	10	10.2	8	10.2	
RECOMMENDED GEAR SELECTION								3		3		2		2		2		2		1		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 .