

IB International Pty Ltd OCMIS HARD HOSE PERFORMANCE CHART

MAY 2005

MODEL : 140 / 250 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	mth	bar
36	4.5	58	93	28.68	1721	103.26	2.77	111	6.6	74	6.6	56	6.4	45	6.3	37	6.3	32	6.2	28	6.2	22	6.1	19	6.1
	5.0	61	98	30.23	1814	108.84	2.94	112	7.2	74	7.2	56	7.0	45	6.9	37	6.9	32	6.8	28	6.8	22	6.7	19	6.7
	5.5	63	101	31.68	1901	114.06	3.05	113	7.8	75	7.8	57	7.6	45	7.5	38	7.5	32	7.4	28	7.4	23	7.3	19	7.3
	6.0	66	106	33.13	1988	119.28	3.23	113	8.4	75	8.4	56	8.2	45	8.1	38	8.1	32	8.0	28	8.0	23	7.9	19	7.9
RECOMMENDED GEAR SELECTION								4		4		3		3		2		2		2		2		1	
38	4.5	63	101	33.70	2022	121.32	3.05	120	7.0	80	7.0	60	6.8	48	6.7	40	6.7	34	6.6	30	6.6	24	6.5	20	6.5
	5.0	65	104	36.87	2212	132.72	3.17	128	7.7	85	7.7	64	7.5	51	7.4	43	7.4	36	7.3	32	7.3	26	7.2	21	7.2
	5.5	68	109	36.93	2216	132.96	3.35	122	8.2	81	8.2	61	8.0	49	7.9	41	7.9	35	7.8	31	7.8	24	7.7	20	7.7
	6.0	72	115	39.83	2390	143.40	3.59	124	9.0	83	9.0	62	8.8	50	8.7	41	8.7	36	8.6	31	8.6	25	8.5	21	8.5
RECOMMENDED GEAR SELECTION								4		4		3		3		2		2		2		2		1	
40	5.0	65	104	37.33	2240	134.40	3.17	129	7.8	86	7.8	65	7.6	52	7.5	43	7.5	37	7.4	32	7.4	26	7.3	22	7.3
	6.0	69	110	40.92	2455	147.30	3.41	133	9.1	89	9.1	67	8.9	53	8.8	44	8.8	38	8.7	33	8.7	27	8.6	22	8.6
	7.0	73	117	44.13	2648	158.88	3.66	136	10.4	91	10.4	68	10.2	54	10.1	45	10.1	39	10.0	34	10.0	27	9.9	23	9.9
	7.5	78	125	47.23	2834	170.04	3.97	136	11.2	91	11.2	68	11.0	55	10.9	45	10.9	39	10.8	34	10.8	27	10.7	23	10.7
RECOMMENDED GEAR SELECTION								4		4		3		3		2		2		2		2		1	

N.B. This is page 2 of 2 Page 1 = nozzle sizes 30, 32, 34mm
 Page 2 = nozzle sizes 36, 38, 40mm

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 .