

IB International Pty Ltd OCMIS HARD HOSE PERFORMANCE CHART

MAY 2005

MODEL : 40 / 130 mt. HOSE WALL 3.7mm

NOZ	NOZ	GUN	WETTED	CAPACITY			AREA	mm = Application rate per irrigated run																	
				SIZE	RADIUS	WIDTH		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					
			mt				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		
8	2.0	17.0	27	0.95	57	3.42	0.37	13	3.4	8	3.3	6	3.2	5	3.2	4	3.2	4	3.1	3	3.1	3	3.1	2	3.1
	3.0	19.0	30	1.15	69	4.14	0.42	14	4.6	9	4.5	7	4.4	5	4.4	5	4.4	4	4.3	3	4.3	3	4.3	2	4.3
	4.0	20.5	33	1.33	80	4.80	0.46	15	5.9	10	5.8	7	5.7	6	5.7	5	5.7	4	5.6	4	5.6	3	5.6	2	5.6
9	2.0	17.5	28	1.18	71	4.26	0.39	15	3.7	10	3.6	8	3.5	6	3.5	5	3.5	4	3.4	4	3.4	3	3.4	3	3.4
	3.0	19.5	31	1.45	87	5.22	0.44	17	5.1	11	5.0	8	4.9	7	4.9	6	4.9	5	4.8	4	4.8	3	4.8	3	4.8
	4.0	21.0	34	1.67	100	6.00	0.47	18	6.5	12	6.4	9	6.3	7	6.3	6	6.3	5	6.2	4	6.2	4	6.2	3	6.2
10	2.0	18.0	29	1.47	88	5.28	0.40	18	4.1	12	4.0	9	3.9	7	3.9	6	3.9	5	3.8	5	3.8	4	3.8	3	3.8
	3.0	20.5	33	1.78	107	6.42	0.46	20	5.7	13	5.6	10	5.5	8	5.5	7	5.5	6	5.4	5	5.4	4	5.4	3	5.4
	4.0	23.0	37	2.07	124	7.44	0.53	20	7.3	13	7.2	10	7.1	8	7.1	7	7.1	6	7.0	5	7.0	4	7.0	3	7.0

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 .

TO MULTIPLE BY :

FROM	Kpa	M. HEAD	BAR	PSI	ATMS
Kpa	1	0.102	0.01	0.145	1
MET.	9.804	1	0.098	1.42	0.098
BAR	100	10.20	1	14.5	1
PSI	6.895	0.704	0.069	1	0.069
ATMS	100	10.33	1.0	14.7	1

1 ACRE = 0.405 HECT.
1 Ha = 2.47 ACRES
10,000 M ² = 1 HECTARE
100 Ha = 1 Km ²

Imp. 1 GPM = 1.2 US. G.P.M.	1 L.P.M. = 0.219 Imp.G.P.M.
= 4.546 L.P.M.	= 0.06 M ³ P.H
= 0.076 L.P.S.	1 L.P.S. = 13.19 Imp. G.P.H.
= 0.273 M ³ P.H	= 3.6 M ³ P.H