

IB International Pty Ltd OCMIS HARD HOSE PERFORMANCE CHART

MAY 2005

MODEL : 90 / 320 mt. HOSE WALL 6.7mm

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	
			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	mth	bar		
22	3.0	37	59	8.70	522	31.32	2.05	53	5.4	35	5.2	26	5.1	21	5.0	18	5.0	15	4.9	13	4.9	11	4.9	9	4.9		
	4.0	41	66	10.07	604	36.24	2.30	55	6.9	37	6.7	28	6.6	22	6.5	18	6.5	16	6.4	14	6.4	11	6.4	9	6.4		
	4.5	42	67	10.68	641	38.46	2.37	57	7.6	38	7.4	29	7.3	23	7.2	19	7.2	16	7.1	14	7.1	11	7.1	10	7.1		
	5.0	45	72	11.27	676	40.56	2.56	56	8.3	38	8.1	28	8.0	23	7.9	19	7.9	16	7.8	14	7.8	11	7.8	9	7.8		
	5.5	46	74	11.80	708	42.48	2.62	58	9.0	38	8.8	29	8.7	23	8.6	19	8.6	16	8.5	14	8.5	12	8.5	10	8.5		
RECOMMENDED GEAR SELECTION								2.2		3.1		1.2		1.2		2.1		2.1		2.1		1.1		1.1			
24	3.0	39	62	10.38	623	37.38	2.18	60	6.0	40	5.8	30	5.7	24	5.6	20	5.6	17	5.5	15	5.5	12	5.5	10	5.5		
	4.0	44	70	12.00	720	43.20	2.49	61	7.5	41	7.3	31	7.2	25	7.1	20	7.1	18	7.0	15	7.0	12	7.0	10	7.0		
	4.5	46	74	12.73	764	45.84	2.62	62	8.3	42	8.1	31	8.0	25	7.9	21	7.9	18	7.8	16	7.8	12	7.8	10	7.8		
	5.0	48	77	13.43	806	48.36	2.75	63	9.1	42	8.9	31	8.8	25	8.7	21	8.7	18	8.6	16	8.6	13	8.6	10	8.6		
	5.5	50	80	14.07	844	50.64	2.88	63	9.8	42	9.6	32	9.5	25	9.4	21	9.4	18	9.3	16	9.3	13	9.3	11	9.3		
RECOMMENDED GEAR SELECTION								2.2		3.1		1.2		1.2		2.1		2.1		2.1		1.1		1.1			
26	3.0	41	66	12.20	732	43.92	2.30	67	6.6	45	6.4	33	6.3	27	6.2	22	6.2	19	6.1	17	6.1	13	6.1	11	6.1		
	4.0	46	74	14.10	846	50.76	2.62	69	8.4	46	8.2	34	8.1	28	8.0	23	8.0	20	7.9	17	7.9	14	7.9	11	7.9		
	4.5	48	77	14.97	898	53.88	2.75	70	9.2	47	9.0	35	8.9	28	8.8	23	8.8	20	8.7	18	8.7	14	8.7	12	8.7		
	5.0	51	82	15.77	946	56.76	2.95	70	10.1	46	9.9	35	9.8	28	9.7	23	9.7	20	9.6	17	9.6	14	9.6	12	9.6		
	5.5	52	83	16.52	991	59.46	3.01	71	10.9	48	10.7	36	10.6	29	10.5	24	10.5	20	10.4	18	10.4	14	10.4	12	10.4		
RECOMMENDED GEAR SELECTION								2.2		3.1		1.2		1.2		2.1		2.1		2.1		2.1		1.1		1.1	
28	3.0	44	70	14.13	848	50.88	2.49	72	7.4	48	7.2	36	7.1	29	7.0	24	7.0	21	6.9	18	6.9	14	6.9	12	6.9		
	4.0	48	77	16.35	981	58.86	2.75	77	9.3	51	9.1	38	9.0	31	8.9	26	8.9	22	8.8	19	8.8	15	8.8	13	8.8		
	4.5	50	80	17.33	1040	62.40	2.88	78	10.3	52	10.1	39	10.0	31	9.9	26	9.9	22	9.8	20	9.8	16	9.8	13	9.8		
	5.0	52	83	18.27	1096	65.76	3.01	79	11.3	53	11.1	40	11.0	32	10.9	26	10.9	23	10.8	20	10.8	16	10.8	13	10.8		
	5.5	54	86	19.15	1149	68.94	3.14	80	12.2	53	12.0	40	11.9	32	11.8	27	11.8	23	11.7	20	11.7	16	11.7	13	11.7		
RECOMMENDED GEAR SELECTION								2.2		3.1		3.1		3.1		2.1		2.1		2.1		2.1		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 .