

IB International Pty Ltd OCMIS HARD HOSE PERFORMANCE CHART

MAY 2005

MODEL : 100 / 650 mt. HOSE WALL 9.1mm

NOZ SIZE	NOZ RADIUS	GUN WIDTH	WETTED mt	CAPACITY			AREA PER RUN Ha.	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%					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	4.01	53	6.1	35	5.9	26	5.8	21	5.7	18	5.7	15	5.6	13	5.6	11	5.6	9	5.6		
	4.0	41	66	10.07	604	36.24	4.47	55	7.8	37	7.6	28	7.5	22	7.4	18	7.4	16	7.3	14	7.3	11	7.3	9	7.3		
	4.5	42	67	10.68	641	38.46	4.58	57	8.6	38	8.4	29	8.3	23	8.2	19	8.2	16	8.1	14	8.1	11	8.1	10	8.1		
	5.0	45	72	11.27	676	40.56	4.93	56	9.4	38	9.2	28	9.1	23	9.0	19	9.0	16	8.9	14	8.9	11	8.9	9	8.9		
	5.5	46	74	11.80	708	42.48	5.05	58	10.1	38	9.9	29	9.8	23	9.7	19	9.7	16	9.6	14	9.6	12	9.6	10	9.6		
RECOMMENDED GEAR SELECTION								3		3		2		2		2		1		1		1		1		1	
24	3.0	39	62	10.38	623	37.38	4.24	60	6.9	40	6.7	30	6.6	24	6.5	20	6.5	17	6.4	15	6.4	12	6.4	10	6.4		
	4.0	44	70	12.00	720	43.20	4.82	61	8.8	41	8.6	31	8.5	25	8.4	20	8.4	18	8.3	15	8.3	12	8.3	10	8.3		
	4.5	46	74	12.73	764	45.84	5.05	62	9.7	42	9.5	31	9.4	25	9.3	21	9.3	18	9.2	16	9.2	12	9.2	10	9.2		
	5.0	48	77	13.43	806	48.36	5.28	63	10.6	42	10.4	31	10.3	25	10.2	21	10.2	18	10.1	16	10.1	13	10.1	10	10.1		
	5.5	50	80	14.07	844	50.64	5.52	63	11.5	42	11.3	32	11.2	25	11.1	21	11.1	18	11.0	16	11.0	13	11.0	11	11.0		
RECOMMENDED GEAR SELECTION								3		3		2		2		2		2		1		1		1		1	
26	3.0	41	66	12.20	732	43.92	4.47	67	7.9	45	7.7	33	7.6	27	7.5	22	7.5	19	7.4	17	7.4	13	7.4	11	7.4		
	4.0	46	74	14.10	846	50.76	5.05	69	10.0	46	9.8	34	9.7	28	9.6	23	9.6	20	9.5	17	9.5	14	9.5	11	9.5		
	4.5	48	77	14.97	898	53.88	5.28	70	11.0	47	10.8	35	10.7	28	10.6	23	10.6	20	10.5	18	10.5	14	10.5	12	10.5		
RECOMMENDED GEAR SELECTION								4		3		3		2		2		2		1		1		1		1	
28	3.0	44	70	14.13	848	50.88	4.82	72	9.0	48	8.8	36	8.7	29	8.6	24	8.6	21	8.5	18	8.5	14	8.5	12	8.5		
	4.0	48	77	16.35	981	58.86	5.28	77	11.5	51	11.3	38	11.2	31	11.1	26	11.1	22	11.0	19	11.0	15	11.0	13	11.0		
	4.5	50	80	17.33	1040	62.40	5.52	78	12.7	52	12.5	39	12.4	31	12.3	26	12.3	22	12.2	20	12.2	16	12.2	13	12.2		
RECOMMENDED GEAR SELECTION								4		3		3		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 .