

IB International Pty Ltd OCMIS HARD HOSE PERFORMANCE CHART

MAY 2005

MODEL : 100 / 275 mt. HOSE WALL 7.0mm

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	mt	RUN			Ha.	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			
24	3.0	39	62	10.38	623	37.38	1.90	60	5.0	40	4.8	30	4.7	24	4.6	20	4.6	17	4.6	15	4.5	12	4.5	10	4.5	
	4.0	44	70	12.00	720	43.20	2.18	61	6.3	41	6.1	31	6.0	25	5.9	20	5.9	18	5.9	15	5.8	12	5.8	10	5.8	
	4.5	46	74	12.73	764	45.84	2.29	62	6.9	42	6.7	31	6.6	25	6.5	21	6.5	18	6.5	16	6.4	12	6.4	10	6.4	
	5.0	48	77	13.43	806	48.36	2.40	63	7.5	42	7.3	31	7.2	25	7.1	21	7.1	18	7.1	16	7.0	13	7.0	10	7.0	
	5.5	50	80	14.07	844	50.64	2.52	63	8.2	42	8.0	32	7.9	25	7.8	21	7.8	18	7.8	16	7.7	13	7.7	11	7.7	
RECOMMENDED GEAR SELECTION								2.2		3.1		3.1		1.2		2.1		2.1		2.1		1.1		1.1		
26	3.0	41	66	12.20	732	43.92	2.01	67	5.3	45	5.1	33	5.0	27	4.9	22	4.9	19	4.9	17	4.8	13	4.8	11	4.8	
	4.0	46	74	14.10	846	50.76	2.29	69	6.7	46	6.5	34	6.4	28	6.3	23	6.3	20	6.3	17	6.2	14	6.2	11	6.2	
	4.5	48	77	14.97	898	53.88	2.40	70	7.3	47	7.1	35	7.0	28	6.9	23	6.9	20	6.9	18	6.8	14	6.8	12	6.8	
	5.0	51	82	15.77	946	56.76	2.58	70	8.0	46	7.8	35	7.7	28	7.6	23	7.6	20	7.6	17	7.5	14	7.5	12	7.5	
	5.5	52	83	16.52	991	59.46	2.64	71	8.7	48	8.5	36	8.4	29	8.3	24	8.3	20	8.3	18	8.2	14	8.2	12	8.2	
RECOMMENDED GEAR SELECTION								2.2		3.1		3.1		1.2		1.2		2.1		2.1		2.1		1.1		1.1
28	3.0	44	70	14.13	848	50.88	2.18	72	5.7	48	5.5	36	5.4	29	5.3	24	5.3	21	5.3	18	5.2	14	5.2	12	5.2	
	4.0	48	77	16.35	981	58.86	2.40	77	7.2	51	7.0	38	6.9	31	6.8	26	6.8	22	6.8	19	6.7	15	6.7	13	6.7	
	4.5	50	80	17.33	1040	62.40	2.52	78	7.9	52	7.7	39	7.6	31	7.5	26	7.5	22	7.5	20	7.4	16	7.4	13	7.4	
	5.0	52	83	18.27	1096	65.76	2.64	79	8.6	53	8.4	40	8.3	32	8.2	26	8.2	23	8.2	20	8.1	16	8.1	13	8.1	
	5.5	54	86	19.15	1149	68.94	2.76	80	9.3	53	9.1	40	9.0	32	8.9	27	8.9	23	8.9	20	8.8	16	8.8	13	8.8	
	6.0	55	88	20.03	1202	72.12	2.82	82	10.1	55	9.9	41	9.8	33	9.7	27	9.7	23	9.7	20	9.6	16	9.6	14	9.6	
RECOMMENDED GEAR SELECTION								2.2		2.2		3.1		1.2		1.2		1.2		2.1		2.1		2.1		2.1
30	3.0	46	74	16.23	974	58.44	2.29	79	6.1	53	5.9	40	5.8	32	5.7	26	5.7	23	5.7	20	5.6	16	5.6	13	5.6	
	4.0	50	80	18.78	1127	67.62	2.52	85	7.7	56	7.5	42	7.4	34	7.3	28	7.3	24	7.3	21	7.2	17	7.2	14	7.2	
	4.5	52	83	19.92	1195	71.70	2.64	86	8.5	57	8.3	43	8.2	34	8.1	29	8.1	25	8.1	22	8.0	17	8.0	14	8.0	
	5.0	54	86	21.00	1260	75.60	2.76	88	9.3	58	9.1	44	9.0	35	8.9	29	8.9	25	8.9	22	8.8	18	8.8	15	8.8	
	5.5	55	88	22.00	1320	79.20	2.82	90	10.1	60	9.9	45	9.8	36	9.7	30	9.7	26	9.7	23	9.6	18	9.6	15	9.6	
RECOMMENDED GEAR SELECTION								3.2		2.2		3.1		3.1		1.2		1.2		2.1		2.1		2.1		2.1

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 .