

IB International Pty Ltd OCMIS HARD HOSE PERFORMANCE CHART

MAY 2005

MODEL : 90 / 400 mt. HOSE WALL 7 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			
20	3.0	35	56	7.20	432	25.92	2.38	46	5.2	31	5.2	23	5.1	19	5.0	15	4.9	13	4.9	12	4.9	9	4.9	8	4.8	
	4.0	39	62	8.35	501	30.06	2.68	48	6.7	32	6.7	24	6.6	19	6.5	16	6.4	14	6.4	12	6.4	10	6.4	8	6.3	
	4.5	41	66	8.85	531	31.86	2.83	49	7.4	32	7.4	24	7.3	19	7.2	16	7.1	14	7.1	12	7.1	10	7.1	8	7.0	
	5.0	43	69	9.33	560	33.60	2.98	49	8.0	33	8.0	24	7.9	20	7.8	16	7.7	14	7.7	12	7.7	10	7.7	8	7.6	
	5.5	44	70	9.77	586	35.16	3.06	50	8.7	33	8.7	25	8.6	20	8.5	17	8.4	14	8.4	12	8.4	10	8.4	8	8.3	
RECOMMENDED GEAR SELECTION								2.2		1.2		1.2		2.1		2.1		2.1		1.1						
22	3.0	37	59	8.70	522	31.32	2.53	53	5.8	35	5.8	26	5.7	21	5.6	18	5.5	15	5.5	13	5.5	11	5.5	9	5.4	
	4.0	41	66	10.07	604	36.24	2.83	55	7.4	37	7.4	28	7.3	22	7.2	18	7.1	16	7.1	14	7.1	11	7.1	9	7.0	
	4.5	42	67	10.68	641	38.46	2.90	57	8.1	38	8.1	29	8.0	23	7.9	19	7.8	16	7.8	14	7.8	11	7.8	10	7.7	
	5.0	45	72	11.27	676	40.56	3.13	56	8.9	38	8.9	28	8.8	23	8.7	19	8.6	16	8.6	14	8.6	11	8.6	9	8.5	
	5.5	46	74	11.80	708	42.48	3.21	58	9.7	38	9.7	29	9.6	23	9.5	19	9.4	16	9.4	14	9.4	12	9.4	10	9.3	
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	2.68	60	6.5	40	6.5	30	6.4	24	6.3	20	6.2	17	6.2	15	6.2	12	6.2	10	6.1	
	4.0	44	70	12.00	720	43.20	3.06	61	8.3	41	8.3	31	8.2	25	8.1	20	8.0	18	8.0	15	8.0	12	8.0	10	7.9	
	4.5	46	74	12.73	764	45.84	3.21	62	9.2	42	9.2	31	9.1	25	9.0	21	8.9	18	8.9	16	8.9	12	8.9	10	8.8	
	5.0	48	77	13.43	806	48.36	3.36	63	10.1	42	10.1	31	10.0	25	9.9	21	9.8	18	9.8	16	9.8	13	9.8	10	9.7	
	5.5	50	80	14.07	844	50.64	3.52	63	10.9	42	10.9	32	10.8	25	10.7	21	10.6	18	10.6	16	10.6	13	10.6	11	10.5	
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	2.83	67	7.4	45	7.4	33	7.3	27	7.2	22	7.1	19	7.1	17	7.1	13	7.1	11	7.0	
	4.0	46	74	14.10	846	50.76	3.21	69	9.4	46	9.4	34	9.3	28	9.2	23	9.1	20	9.1	17	9.1	14	9.1	11	9.0	
	4.5	48	77	14.97	898	53.88	3.36	70	10.4	47	10.4	35	10.3	28	10.2	23	10.1	20	10.1	18	10.1	14	10.1	12	10.0	
	5.0	51	82	15.77	946	56.76	3.60	70	11.4	46	11.4	35	11.3	28	11.2	23	11.1	20	11.1	17	11.1	14	11.1	12	11.0	
	5.5	52	83	16.52	991	59.46	3.68	71	12.4	48	12.4	36	12.3	29	12.2	24	12.1	20	12.1	18	12.1	14	12.1	12	12.0	
RECOMMENDED GEAR SELECTION								2.2		3.1		1.2		1.2		1.2		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 .