

IB International Pty Ltd OCMIS HARD HOSE PERFORMANCE CHART

MAY 2005

MODEL : 90 / 450 mt. HOSE WALL 7.5mm

NOZ SIZE	NOZ RADIUS	GUN	WETTED WIDTH	CAPACITY			AREA PER RUN	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															
mm	bar	mt	x 80%				Ha.	Travel speed & pressure required at the machine																							
								mth	bar	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	2.66	46	5.4	31	5.4	23	5.3	19	5.2	15	5.1	13	5.1	12	5.1	9	5.1	8	5.0						
	4.0	39	62	8.35	501	30.06	2.99	48	6.9	32	6.9	24	6.8	19	6.7	16	6.6	14	6.6	12	6.6	10	6.6	8	6.5						
	4.5	41	66	8.85	531	31.86	3.16	49	7.6	32	7.6	24	7.5	19	7.4	16	7.3	14	7.3	12	7.3	10	7.3	8	7.2						
	5.0	43	69	9.33	560	33.60	3.32	49	8.3	33	8.3	24	8.2	20	8.1	16	8.0	14	8.0	12	8.0	10	8.0	8	7.9						
	5.5	44	70	9.77	586	35.16	3.41	50	9.0	33	9.0	25	8.9	20	8.8	17	8.7	14	8.7	12	8.7	10	8.7	8	8.6						
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	2.82	53	6.0	35	6.0	26	5.9	21	5.8	18	5.7	15	5.7	13	5.7	11	5.7	9	5.6						
	4.0	41	66	10.07	604	36.24	3.16	55	7.7	37	7.7	28	7.6	22	7.5	18	7.4	16	7.4	14	7.4	11	7.4	9	7.3						
	4.5	42	67	10.68	641	38.46	3.24	57	8.5	38	8.5	29	8.4	23	8.3	19	8.2	16	8.2	14	8.2	11	8.2	10	8.1						
	5.0	45	72	11.27	676	40.56	3.49	56	9.3	38	9.3	28	9.2	23	9.1	19	9.0	16	9.0	14	9.0	11	9.0	9	8.9						
	5.5	46	74	11.80	708	42.48	3.58	58	10.1	38	10.1	29	10.0	23	9.9	19	9.8	16	9.8	14	9.8	12	9.8	10	9.7						
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	2.99	60	6.9	40	6.9	30	6.8	24	6.7	20	6.6	17	6.6	15	6.6	12	6.6	10	6.5						
	4.0	44	70	12.00	720	43.20	3.41	61	8.7	41	8.7	31	8.6	25	8.5	20	8.4	18	8.4	15	8.4	12	8.4	10	8.3						
	4.5	46	74	12.73	764	45.84	3.58	62	9.7	42	9.7	31	9.6	25	9.5	21	9.4	18	9.4	16	9.4	12	9.4	10	9.3						
	5.0	48	77	13.43	806	48.36	3.75	63	10.6	42	10.6	31	10.5	25	10.4	21	10.3	18	10.3	16	10.3	13	10.3	10	10.2						
	5.5	50	80	14.07	844	50.64	3.92	63	11.5	42	11.5	32	11.4	25	11.3	21	11.2	18	11.2	16	11.2	13	11.2	11	11.1						
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	3.16	67	7.8	45	7.8	33	7.7	27	7.6	22	7.5	19	7.5	17	7.5	13	7.5	11	7.4						
	4.0	46	74	14.10	846	50.76	3.58	69	10.0	46	10.0	34	9.9	28	9.8	23	9.7	20	9.7	17	9.7	14	9.7	11	9.6						
	4.5	48	77	14.97	898	53.88	3.75	70	11.1	47	11.1	35	11.0	28	10.9	23	10.8	20	10.8	18	10.8	14	10.8	12	10.7						
	5.0	51	82	15.77	946	56.76	4.01	70	12.1	46	12.1	35	12.0	28	11.9	23	11.8	20	11.8	17	11.8	14	11.8	12	11.7						
	5.5	52	83	16.52	991	59.46	4.09	71	13.2	48	13.2	36	13.1	29	13.0	24	12.9	20	12.9	18	12.9	14	12.9	12	12.8						
RECOMMENDED GEAR SELECTION								2.2		3.1		1.2		1.2		1.2		2.1		2.1		2.1		2.1		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 .