

# IB International Pty Ltd OCMIS HARD HOSE PERFORMANCE CHART

MAY 2005

MODEL : 82 / 160 mt. HOSE WALL 6mm

NOZ SIZE	GUN RADIUS	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						
16	3.0	32	51	4.60	276	16.56	0.93	32	4.2	22	4.1	16	4.0	13	3.9	11	3.9	9	3.9	8	3.9									
	4.0	36	58	5.33	320	19.20	1.07	33	5.3	22	5.2	17	5.1	13	5.0	11	5.0	10	5.0	8	5.0									
	4.5	37	59	5.63	338	20.28	1.11	34	5.8	23	5.7	17	5.6	14	5.5	11	5.5	10	5.5	9	5.5									
	5.0	39	62	5.93	356	21.36	1.18	34	6.4	23	6.3	17	6.2	14	6.1	11	6.1	10	6.1	9	6.1									
	5.5	41	66	6.22	373	22.38	1.25	34	6.9	23	6.8	17	6.7	14	6.6	11	6.6	10	6.6	9	6.6									
RECOMMENDED GEAR SELECTION								3		2		2		1		1		1		1										
18	3.0	33	53	5.83	350	21.00	0.97	40	4.3	27	4.2	20	4.1	16	4.0	13	4.0	11	4.0	10	4.0	8	3.9							
	4.0	37	59	6.73	404	24.24	1.11	41	5.5	27	5.4	20	5.3	16	5.2	14	5.2	12	5.2	10	5.2	8	5.1							
	4.5	39	62	7.15	429	25.74	1.18	41	6.1	28	6.0	21	5.9	17	5.8	14	5.8	12	5.8	10	5.8	8	5.7							
	5.0	41	66	7.53	452	27.12	1.25	41	6.7	28	6.6	21	6.5	17	6.4	14	6.4	12	6.4	10	6.4	8	6.3							
	5.5	42	67	7.90	474	28.44	1.29	42	7.2	28	7.1	21	7.0	17	6.9	14	6.9	12	6.9	11	6.9	8	6.8							
RECOMMENDED GEAR SELECTION								3		2		2		1		1		1		1		1		1						
20	3.0	35	56	7.20	432	25.92	1.04	46	4.6	31	4.5	23	4.4	19	4.3	15	4.3	13	4.3	12	4.3	9	4.2	8	4.2					
	4.0	39	62	8.35	501	30.06	1.18	48	5.8	32	5.7	24	5.6	19	5.5	16	5.5	14	5.5	12	5.5	10	5.4	8	5.4					
	4.5	41	66	8.85	531	31.86	1.25	49	6.4	32	6.3	24	6.2	19	6.1	16	6.1	14	6.1	12	6.1	10	6.0	8	6.0					
	5.0	43	69	9.33	560	33.60	1.33	49	7.0	33	6.9	24	6.8	20	6.7	16	6.7	14	6.7	12	6.7	10	6.6	8	6.6					
	5.5	44	70	9.77	586	35.16	1.37	50	7.7	33	7.6	25	7.5	20	7.4	17	7.4	14	7.4	12	7.4	10	7.3	8	7.3					
RECOMMENDED GEAR SELECTION								3		2		2		1		1		1		1		1		1						
22	2.0	32	51	7.17	430	25.80	0.93	50	3.6	34	3.5	25	3.4	20	3.3	17	3.3	14	3.3	13	3.3	10	3.2	8	3.2					
	3.0	37	59	8.70	522	31.32	1.11	53	4.9	35	4.8	26	4.7	21	4.6	18	4.6	15	4.6	13	4.6	11	4.5	9	4.5					
	4.0	41	66	10.07	604	36.24	1.25	55	6.2	37	6.1	28	6.0	22	5.9	18	5.9	16	5.9	14	5.9	11	5.8	9	5.8					
	4.5	42	67	10.68	641	38.46	1.29	57	6.9	38	6.8	29	6.7	23	6.6	19	6.6	16	6.6	14	6.6	11	6.5	10	6.5					
	5.0	45	72	11.27	676	40.56	1.40	56	7.5	38	7.4	28	7.3	23	7.2	19	7.2	16	7.2	14	7.2	11	7.1	9	7.1					
	5.5	46	74	11.80	708	42.48	1.44	58	8.2	38	8.1	29	8.0	23	7.9	19	7.9	16	7.9	14	7.9	12	7.8	10	7.8					
RECOMMENDED GEAR SELECTION								3		2		2		1		1		1		1		1		1						
24	3.0	39	62	10.38	623	37.38	1.18	60	5.3	40	5.2	30	5.1	24	5.0	20	5.0	17	5.0	15	5.0	12	4.9	10	4.9					
	4.0	44	70	12.00	720	43.20	1.37	61	6.7	41	6.6	31	6.5	25	6.4	20	6.4	18	6.4	15	6.4	12	6.3	10	6.3					
	4.5	46	74	12.73	764	45.84	1.44	62	7.5	42	7.4	31	7.3	25	7.2	21	7.2	18	7.2	16	7.2	12	7.1	10	7.1					
	5.0	48	77	13.43	806	48.36	1.52	63	8.2	42	8.1	31	8.0	25	7.9	21	7.9	18	7.9	16	7.9	13	7.8	10	7.8					
	5.5	50	80	14.07	844	50.64	1.60	63	8.9	42	8.8	32	8.7	25	8.6	21	8.6	18	8.6	16	8.6	13	8.5	11	8.5					
RECOMMENDED GEAR SELECTION								3		3		3		2		2		2		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 .