IB International Pty Ltd OCMIS HARD HOSE PERFORMANCE CHART

MAY 2005

MODEL : 82 / 400 mt. HOSE WALL 6.5mm

NOZ	NOZ	GUN	WETTED	CAPACITY			AREA	mm = Application rate per irrigated run															
SIZE		RADIUS	WIDTH	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	
			mt				RUN	Travel speed & pressure reqiured 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	mth	bar
14	2.0	25	40	2.90	174	10.44	1.66	26	3.1	17	3.0	13	2.9	10	2.9	9	2.9								
	3.0	29	46	3.53	212	12.72	1.94	27	4.3	18	4.2	14	4.1	11	4.1	9	4.1	8	4.1						
	3.5	30	48	3.82	229	13.74	2.02	29	4.9	19	4.8	14	4.7	11	4.7	10	4.7	8	4.7						
	4.0	32	51	4.08	245	14.70	2.16	29	5.5	19	5.4	14	5.3	11	5.3	10	5.3	8	5.3						
	4.5	33	53	4.33	260	15.60	2.23	30	6.1	20	6.0	15	5.9	12	5.9	10	5.9	8	5.9						
	5.5	35	56	4.78	287	17.22	2.38	31	7.2	21	7.1	15	7.0	12	7.0	10	7.0	9	7.0						
	RECOMMENDED GEAR SELECTION							1.2		2.1		2.1		1.1		1.1		1.1							
16	3.0	32	51	4.60	276	16.56	2.16	32	4.7	22	4.6	16	4.5	13	4.5	11	4.5	9	4.5	8	4.5				
	4.0	36	58	5.33	320	19.20	2.45	33	6.0	22	5.9	17	5.8	13	5.8	11	5.8	10	5.8	8	5.8				
	4.5	37	59	5.63	338	20.28	2.53	34	6.6	23	6.5	17	6.4	14	6.4	11	6.4	10	6.4	9	6.4				
	5.0	39	62	5.93	356	21.36	2.68	34	7.2	23	7.1	17	7.0	14	7.0	11	7.0	10	7.0	9	7.0				
	5.5	41	66	6.22	373	22.38	2.83	34	7.8	23	7.7	17	7.6	14	7.6	11	7.6	10	7.6	9	7.6				
	RECOMMENDED GEAR SELECTION							3.1		1.2		2.1		2.1		1.1		1.1		1.1					
18	3.0	33	53	5.83	350	21.00	2.23	40	5.2	27	5.1	20	5.0	16	5.0	13	5.0	11	5.0	10	5.0	8	4.9		
	4.0	37	59	6.73	404	24.24	2.53	41	6.6	27	6.5	20	6.4	16	6.4	14	6.4	12	6.4	10	6.4	8	6.3		
	4.5	39	62	7.15	429	25.74	2.68	41	7.3	28	7.2	21	7.1	17	7.1	14	7.1	12	7.1	10	7.1	8	7.0		
	5.0	41	66	7.53	452	27.12	2.83	41	8.0	28	7.9	21	7.8	17	7.8	14	7.8	12	7.8	10	7.8	8	7.7		
	5.5	42	67	7.90	474	28.44	2.90	42	8.7	28	8.6	21	8.5	17	8.5	14	8.5	12	8.5	11	8.5	8	8.4		
	RECOMMENDED GEAR SELECTION							3.1		1.2		2.1		2.1		2.1		1.1		1.1		1.1			
20	3.0	35	56	7.20	432	25.92	2.38	46	5.8	31	5.7	23	5.6	19	5.6	15	5.6	13	5.6	12	5.6	9	5.5	8	5.5
	4.0	39	62	8.35	501	30.06	2.68	48	7.5	32	7.4	24	7.3	19	7.3	16	7.3	14	7.3	12	7.3	10	7.2	8	7.2
	4.5	41	66	8.85	531	31.86	2.83	49	8.2	32	8.1	24	8.0	19	8.0	16	8.0	14	8.0	12	8.0	10	7.9	8	7.9
	5.0	43	69	9.33	560	33.60	2.98	49	9.0	33	8.9	24	8.8	20	8.8	16	8.8	14	8.8	12	8.8	10	8.7	8	8.7
	5.5	44	70	9.77	586	35.16	3.06	50	9.8	33	9.7	25	9.6	20	9.6	17	9.6	14	9.6	12	9.6	10	9.5	8	9.5
	RECOMMENDED GEAR SELECTION							2.2		1.2		2.1		2.1		2.1		2.1		1.1		1.1		1.1	
22	3.0	37	59	8.70	522	31.32	2.53	53	6.7	35	6.6	26	6.5	21	6.5	18	6.5	15	6.5	13	6.5	11	6.4	9	6.4
	4.0	41	66	10.07	604	36.24	2.83	55	8.5	37	8.4	28	8.3	22	8.3	18	8.3	16	8.3	14	8.3	11	8.2	9	8.2
	4.5	42	67	10.68	641	38.46	2.90	57	9.4	38	9.3	29	9.2	23	9.2	19	9.2	16	9.2	14	9.2	11	9.1	10	9.1
	5.0	45	72	11.27	676	40.56	3.13	56	10.3	38	10.2	28	10.1	23	10.1	19	10.1	16	10.1	14	10.1	11	10.0	9	10.0
	5.5	46	74	11.80	708	42.48	3.21	58	11.2	38	11.1	29	11.0	23	11.0	19	11.0	16	11.0	14	11.0	12	10.9	10	10.9
	RECOMMENDED GEAR SELECTION							2.2		1.2		2.1		2.1		2.1		2.1		1.1		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 .