

FIELDJET NO.	PRESSURE IN kPa	CAPACITY IN Lit./min	"w" IN METERS	LITERS PER HECTARE										
				BASED ON SPRAYING SOLUTION WEIGHING 1.2 kg/Lit. (FOR CONVERSION FACTORS SEE AT RIGHT)										
				3	4	5	6	8	10	12	14	16		
km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h	km/h				
1/4 KLC-9	65	2.0	4.8	125	94	75	63	47	38	31	27	24		
	80	3.3	5.0	132	99	79	66	50	40	33	28	25		
	95	3.6	5.2	140	105	84	70	53	42	35	30	26		
	110	3.9	5.3	148	110	88	73	55	44	37	31	27		
	125	4.2	5.4	154	115	92	77	58	46	38	33	29		
	135	4.4	5.5	159	119	95	79	59	48	40	34	30		
1/4 KLC-18	170	4.9	5.8	170	127	102	85	64	51	42	36	32		
	205	6.4	6.9	181	136	109	90	68	54	45	39	34		
	240	6.8	6.1	190	142	114	94	71	57	47	41	36		
	275	6.9	6.2	200	150	120	100	76	60	50	43	37		
	65	6.0	5.5	220	163	131	109	82	66	54	47	41		
	80	6.4	5.6	235	176	141	117	88	70	59	50	44		
1/4 KLC-36	95	7.2	5.8	250	186	149	124	93	75	62	53	47		
	110	7.8	5.9	265	199	159	133	97	80	66	57	50		
	125	8.3	5.9	280	210	168	140	105	84	70	60	53		
	135	8.7	6.1	285	215	171	143	107	86	71	61	54		
	170	10.0	6.3	320	240	193	160	120	96	80	69	60		
	205	10.7	6.4	335	250	200	167	125	100	83	71	63		
1/4 KLC-72	240	11.5	6.6	355	265	210	176	132	106	88	76	66		
	275	12.5	6.7	370	280	225	186	140	112	93	80	70		
	65	12.1	5.6	450	320	260	215	161	129	107	92	81		
	80	13.4	5.9	460	340	270	225	170	136	113	97	85		
	95	14.6	6.3	470	350	280	235	175	140	117	100	88		
	110	15.8	6.4	495	370	300	245	185	148	123	106	92		
1/4 KLC-108	125	16.8	6.6	510	385	305	255	192	154	128	110	96		
	135	17.4	6.7	520	390	310	260	195	156	130	111	97		
	170	19.6	7.0	560	420	335	280	210	167	140	120	106		
	205	21.4	7.3	585	440	350	290	220	175	146	125	110		
	240	23.1	7.6	605	455	365	305	230	182	151	130	114		
	275	25.0	7.9	650	475	380	315	235	189	158	135	118		
3/4 KLC-72	65	24.2	6.3	775	580	465	390	290	225	194	164	148		
	80	26.9	6.4	840	630	505	420	315	250	210	180	157		
	95	29.1	6.9	850	640	510	425	320	255	215	182	159		
	110	31.4	7.2	880	660	525	440	330	265	220	188	165		
	125	33.3	7.5	890	670	535	445	335	270	225	191	167		
	135	34.8	7.6	915	685	550	455	345	275	230	196	171		
3/4 KLC-108	170	39.0	8.2	945	710	570	475	355	285	235	205	178		
	205	42.7	8.7	985	740	590	490	370	295	245	210	185		
	240	46.2	9.1	1010	760	605	505	380	305	255	215	189		
	275	49.6	9.6	1035	775	620	515	390	310	260	220	194		
	65	36.3	6.4	1135	850	680	568	425	340	284	243	213		
	80	40.1	7.0	1145	860	685	570	430	345	286	245	215		
3/4 KLC-108	95	43.5	7.5	1165	875	700	585	435	350	290	250	220		
	110	46.9	7.8	1210	905	725	605	453	360	300	259	225		
	125	50	8.2	1215	910	728	607	455	364	304	260	228		
	135	52	8.5	1220	915	730	610	456	365	305	261	230		
	170	59	9.3	1260	945	755	630	475	380	315	270	235		
	205	64	10.1	1280	960	770	640	480	385	320	275	240		
240	70	10.7	1315	985	790	655	490	395	328	280	245			
275	75	11.3	1330	995	800	665	500	400	330	285	250			

kPa = PRESSURE IN KILOPASCAL.  
 Lit./min = CAPACITY IN LITERS PER MINUTE.  
 "w" = SPRAY COVERAGE IN METERS (SEE DRWG. 17941).  
 km/h = RIG SPEED IN KILOMETERS PER HOUR.

CONVERSION FACTORS - TO OBTAIN CAPACITIES OF OTHER SOLUTIONS MULTIPLY BY CONVERSION FACTOR.

SOLUTION DATA		SOLUTION DATA	
DENSITY kg/Lit.	CONVERSION FACTORS	DENSITY kg/Lit.	CONVERSION FACTORS
0.78	1.24	1.14	1.02
0.80	1.22	1.18	1.01
0.84	1.20	1.20	1.00
0.90	1.16	1.22	0.99
0.92	1.14	1.26	0.98
0.98	1.12	1.28	0.97
0.97	1.11	1.29	0.96
1.00	1.10	1.32	0.95
1.02	1.08	1.35	0.94
1.04	1.07	1.38	0.93
1.08	1.05	1.41	0.92
1.11	1.04	1.44	0.91

SINCE THE CAPACITY TABULATION IS BASED ON A 1.2 kg/Lit. SOLUTION - IT IS NECESSARY TO MULTIPLY THE TABULATED CAPACITIES BY A CONVERSION FACTOR ANY TIME A DIFFERENT WEIGHT SOLUTION IS USED.

THE CONVERSION FACTORS ARE LISTED ABOVE AND ARE BASED ON 16°C. - 22°C. TEMPERATURES.

CAUTION: THESE CONVERSION FACTORS ARE ONLY TO BE USED ON TABULATIONS WHICH ARE BASED ON A 1.2 kg/Lit. SOLUTION. DO NOT USE ON TABULATIONS WHICH ARE BASED ON SPRAYING WATER.

**EXAMPLE:**

TO DETERMINE Lit./ha OF SOLUTION WITH DENSITY OF 1.08 kg/Lit. - WHEN USING A 1/4 KLC 36 FIELDJET AT 275 kPa - AT 10 km/h.

FROM TABLE AT LEFT - COVERAGE IS 189 Lit./ha (FOR 1.2 kg/Lit. SOLUTION)

FROM TABLE ABOVE - CONVERSION FACTOR (FOR 1.08 kg/Lit. SOLUTION) = 1.05

THEREFORE: 189 Lit./ha x 1.05 FACTOR = 198 Lit./ha (FOR 1.08 kg/Lit. SOLUTION)

FOR DETAILS ON FIELDJET NOZZLES SEE DATA SHEET 17941

DESCRIPTION:  
 LITERS PER HECTARE FOR NO. KLC-- FIELDJET NOZZLES BASED ON SPRAYING 1.2 Kg/Lit. SOLUTION AND CONVERSION FACTORS



**Spraying Systems Co.**

Spray Nozzles and Accessories  
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Rev. No.

Data Sheet No.

17942

Ref.

SHEET OF