



## MODEL T23 X 720 PERFORMANCE

KIFCO MODEL T23 X 720 PERFORMANCE													ACRES PER FULL RUN	PRECIP. RATE: 320 Ins/Hr Degree Arc.	
NELSON SR100 RING NOZ.	SPRINKLER PERFORMANCE			IRRIGATED AREA			SYSTEM INLET PSI	INCHES DEPTH OF APPLICATION							
	PSI	GPM	DIA	WIDE	X	LONG		0.2	0.5	0.75	1	1.25	1.5	TRAVEL SPEED - FEET PER HOUR	
0.712	50	74	220	154	X	797	77	202	81	54	40	32	27	2.8	0.26
0.712	60	81	235	165	X	802	91	207	83	55	41	33	28	3.0	0.25
0.712	70	88	245	172	X	806	104	216	86	58	43	35	29	3.2	0.25
0.712	80	94	255	179	X	809	117	222	89	59	44	35	30	3.3	0.25
0.768	50	88	225	158	X	799	84	235	94	63	47	38	31	2.9	0.30
0.768	60	96	240	168	X	804	98	241	96	64	48	39	32	3.1	0.28
0.768	70	104	250	175	X	808	113	250	100	67	50	40	33	3.2	0.28
0.768	80	111	265	186	X	813	127	252	101	67	50	40	34	3.5	0.27
0.812	50	100	230	161	X	801	90	262	105	70	52	42	35	3.0	0.32
0.812	60	110	245	172	X	806	106	270	108	72	54	43	36	3.2	0.31
0.812	70	118	260	182	X	811	121	273	109	73	55	44	36	3.4	0.30
0.812	80	127	275	193	X	816	137	278	111	74	56	44	37	3.6	0.29
0.857	50	115	240	168	X	804	99	288	115	77	58	46	38	3.1	0.34
0.857	60	125	260	182	X	811	116	289	116	77	58	46	39	3.4	0.32
0.857	70	135	275	193	X	816	133	295	118	79	59	47	39	3.6	0.30
0.857	80	145	285	200	X	820	150	306	122	82	61	49	41	3.8	0.30
0.895	50	129	250	175	X	808	109	311	124	83	62	50	41	3.2	0.35
0.895	60	141	270	189	X	815	127	314	126	84	63	50	42	3.5	0.33
0.895	70	152	290	203	X	822	146	315	126	84	63	50	42	3.8	0.31

System inlet pressure shown above is for Turbine Drives. Engine Drives will be approx. 10 PSI lower. Acres covered may vary depending on wind conditions, field dimensions, and use of unspecified sprinklers. The "System Inlet Pressure" is the pressure required at the traveler inlet. It includes allowances for the traveler, plumbing and drive, PE tube, and sprinkler pressure. No allowance for field elevation or mainline loss is included.

Feet of PE Tube:	Retraction Speed of Irrigation Tube (Ft / Hr)														
	400	350	300	250	200	175	150	125	100	90	80	70	60	50	40
720	1.8	2.1	2.4	2.9	3.6	4.1	4.8	5.8	7.2	8.0	9.0	10.3	12.0	14.4	18.0

Hours to Retract Irrigation Tube. 505-0066-0



**MODEL T27 X 980 PERFORMANCE**

NELSON SR100 NOZ:	SPRINKLER PERFORMANCE			IRRIGATED AREA			SYSTEM INLET PSI	INCHES DEPTH OF APPLICATION						ACRES PER FULL RUN	PRECIP. RATE: Ins/Hr 320 Degree Arc.
	PSI	GPM	DIA	WIDE	X	LONG		TRAVEL SPEED - FEET PER HOUR							
								0.2	0.5	0.75	1	1.25	1.5		
0.712	50	74	220	154	X	1057	71	202	81	54	40	32	27	3.7	0.26
0.712	60	81	235	164	X	1062	83	208	83	55	42	33	28	4.0	0.25
0.712	70	88	245	171	X	1066	95	217	87	58	43	35	29	4.2	0.25
0.712	80	94	255	178	X	1069	107	-	89	59	44	36	30	4.4	0.25
0.768	50	88	225	157	X	1059	75	-	94	63	47	38	31	3.8	0.30
0.768	60	96	240	168	X	1064	88	-	96	64	48	39	32	4.1	0.28
0.768	70	104	250	175	X	1068	100	-	100	67	50	40	33	4.3	0.28
0.768	80	111	265	185	X	1073	113	-	101	67	51	40	34	4.6	0.27
0.812	50	100	230	161	X	1061	79	-	105	70	52	42	35	3.9	0.32
0.812	60	110	245	171	X	1066	93	-	108	72	54	43	36	4.2	0.31
0.812	70	118	260	182	X	1071	106	-	109	73	55	44	36	4.5	0.30
0.812	80	127	275	192	X	1076	119	-	111	74	56	45	37	4.7	0.29
0.857	50	115	240	168	X	1064	85	-	115	77	58	46	38	4.1	0.34
0.857	60	125	260	182	X	1071	99	-	116	77	58	46	39	4.5	0.32
0.857	70	135	275	192	X	1076	113	-	118	79	59	47	39	4.7	0.30
0.857	80	145	285	199	X	1080	128	-	123	82	61	49	41	4.9	0.30
0.895	50	129	250	175	X	1068	90	-	124	83	62	50	41	4.3	0.35
0.895	60	141	270	189	X	1075	106	-	126	84	63	50	42	4.7	0.33
0.895	70	152	290	203	X	1082	121	-	126	84	63	50	42	5.0	0.31

System inlet pressure shown above is for Turbine Drives. Engine Drives will be approx. 10 PSI lower.  
 Acres covered may vary depending on wind conditions, field dimensions, and use of unspecified sprinklers.  
 The "System Inlet Pressure" is the pressure required at the traveler inlet. It includes allowances for the traveler plumbing and drive, PE tube and sprinkler pressure. No allowance for field elevation or mainline loss is included.

Retraction Speed of Irrigation Tube (Ft / Hr)															
Feet of	400	350	300	250	200	175	150	125	100	90	80	70	60	50	40
PE Tube:	-- ---	-- ---	-- ---	-- ---	-- ---	-- ---	-- ---	-- ---	-- ---	-- ---	-- ---	-- ---	-- ---	-- ---	-- ---
980	2.5	2.8	3.3	3.9	4.9	5.6	6.5	7.8	9.8	10.9	12.3	14.0	16.3	19.6	24.5
Hours to Retract Irrigation Tube.															



**MODEL T30 X 660 PERFORMANCE**

KOMET 140 NOZ:	SPRINKLER PERFORMANCE			IRRIGATED AREA			SYSTEM INLET	INCHES DEPTH OF APPLICATION						ACRES PER FULL RUN	PRECIP. RATE: 320 Ins/Hr Degree Arc.
	PSI	GPM	DIA	WIDE	X	LONG	PSI	0.3	0.5	0.75	1	1.25	1.5		
								TRAVEL SPEED - FEET PER HOUR							
.79"	50	125	267	187	X	753	72	225	113	75	56	45	38	3.2	0.30
.79"	60	138	282	197	X	759	84	236	118	79	59	47	39	3.4	0.30
.79"	70	149	297	208	X	764	96	242	121	81	60	48	40	3.7	0.29
.79"	80	159	312	218	X	769	108	245	123	82	61	49	41	3.9	0.28
.87"	50	152	283	198	X	759	77	259	129	86	65	52	43	3.5	0.32
.87"	60	167	298	209	X	764	90	270	135	90	67	54	45	3.7	0.32
.87"	70	180	314	220	X	770	103	276	138	92	69	55	46	3.9	0.31
.87"	80	192	329	230	X	775	116	281	140	94	70	56	47	4.1	0.30
.94"	50	181	300	210	X	765	83	291	145	97	73	58	48	3.7	0.34
.94"	60	198	315	221	X	770	97	303	151	101	76	61	50	3.9	0.34
.94"	70	214	323	226	X	773	111	319	160	106	80	64	53	4.0	0.35
.94"	80	229	344	241	X	780	125	321	160	107	80	64	53	4.3	0.33
1.02"	50	212	315	221	X	770	91	324	162	108	81	65	54	3.9	0.36
1.02"	60	233	331	232	X	776	107	339	169	113	85	68	56	4.1	0.36
1.02"	70	251	347	243	X	781	122	348	174	116	87	70	58	4.4	0.36
1.02"	80	269	361	253	X	786	138	359	179	120	90	72	60	4.6	0.35
1.10"	50	246	330	231	X	776	100	359	179	120	90	72	60	4.1	0.38
1.10"	60	270	347	243	X	781	118	375	187	125	94	75	62	4.4	0.38
1.10"	70	291	362	253	X	787	135	387	194	129	97	77	65	4.6	0.38
1.18"	50	283	343	240	X	780	112	397	199	132	99	79	66	4.3	0.41
1.18"	60	310	360	252	X	786	132	xxx	207	138	104	83	69	4.6	0.41

System inlet pressure shown above is for Turbine Drives. Engine Drives will be approx. 10 PS lower. Acres covered may vary depending on wind conditions, field dimensions, and use c unspecified sprinklers. The "System Inlet Pressure" is the pressure required at the traveler inlet It includes allowances for the traveler plumbing and drive, PE tube and sprinkler pressure No allowance for field elevation or mainline loss is includec

Feet of PE Tube:	Retraction Speed of Irrigation Tube (Ft / Hr)														
	400	350	300	250	200	175	150	125	100	90	80	70	60	50	40
660	1.7	1.9	2.2	2.6	3.3	3.8	4.4	5.3	6.6	7.3	8.3	9.4	11.0	13.2	16.5

Hours to Retract Irrigation Tube. 501-0513-0



**MODEL T30 X 660 PERFORMANCE**

Nelson SR150 NOZ:	SPRINKLER PERFORMANCE			IRRIGATED AREA			SYSTEM INLET PSI	INCHES DEPTH OF APPLICATION						ACRES PER FULL RUN	PRECIP. RATE: Ins/Hr 320 Degree Arc.
	PSI	GPM	DIA	WIDE	X	LONG		TRAVEL SPEED - FEET PER HOUR							
								0.3	0.5	0.75	1	1.25	1.5		
0.97	50	130	265	186	X	753	72	236	118	79	59	47	39	3.2	0.32
0.97	60	143	280	196	X	758	85	246	123	82	61	49	41	3.4	0.31
0.97	70	155	290	203	X	762	97	257	129	86	64	51	43	3.6	0.31
0.97	80	165	300	210	X	765	109	265	132	88	66	53	44	3.7	0.31
1.08	50	165	285	200	X	760	79	279	139	93	70	56	46	3.5	0.35
1.08	60	182	300	210	X	765	93	292	146	97	73	58	49	3.7	0.34
1.08	70	197	310	217	X	769	107	306	153	102	76	61	51	3.8	0.35
1.08	80	210	320	224	X	772	120	316	158	105	79	63	53	4.0	0.35
1.18	50	205	300	210	X	765	89	329	165	110	82	66	55	3.7	0.39
1.18	60	225	315	221	X	770	104	344	172	115	86	69	57	3.9	0.39
1.18	70	245	330	231	X	776	120	357	179	119	89	71	60	4.1	0.38
1.18	80	260	340	238	X	779	135	368	184	123	92	74	61	4.3	0.38
1.26	50	255	320	224	X	772	103	384	192	128	96	77	64	4.0	0.42
1.26	60	275	335	235	X	777	120	395	198	132	99	79	66	4.2	0.42
1.26	70	295	350	245	X	783	137	-	203	135	101	81	68	4.4	0.41
1.34	50	300	335	235	X	777	118	-	216	144	108	86	72	4.2	0.46
1.34	60	330	350	245	X	783	140	-	227	151	113	91	76	4.4	0.46

System inlet pressure shown above is for Turbine Drives. Engine Drives will be approx. 10 PS lower. Acres covered may vary depending on wind conditions, field dimensions, and use of unspecified sprinklers. The "System Inlet Pressure" is the pressure required at the traveler inlet. It includes allowances for the traveler plumbing and drive, PE tube and sprinkler pressure. No allowance for field elevation or mainline loss is included.

Feet of PE Tube:	Retraction Speed of Irrigation Tube (Ft / Hr)															
	400	350	300	250	200	175	150	125	100	90	80	70	60	50	40	
660	1.7	1.9	2.2	2.6	3.3	3.8	4.4	5.3	6.6	7.3	8.3	9.4	11.0	13.2	16.5	

Hours to Retract Irrigation Tube. 501-0513-0



**MODEL 30 X 980 PERFORMANCE**

Nelson 150 NOZ:	SPRINKLER PERFORMANCE			IRRIGATED AREA			SYSTEM INLET PSI	INCHES DEPTH OF APPLICATION						ACRES PER FULL RUN	PRECIP. RATE: Ins/Hr 320 Degree Arc.
	PSI	GPM	DIA	WIDE	X	LONG		0.2	0.5	0.75	1	1.25	1.5		
								TRAVEL SPEED - FEET PER HOUR							
0.86	50	100	245	172	X	1066	71	246	98	66	49	39	33	4.2	0.28
0.86	60	110	260	182	X	1071	84	255	102	68	51	41	34	4.5	0.28
0.86	70	120	270	189	X	1075	96	268	107	71	54	43	36	4.7	0.28
0.86	80	128	280	196	X	1078	108	275	110	73	55	44	37	4.9	0.28
0.97	50	130	265	186	X	1073	78	295	118	79	59	47	39	4.6	0.32
0.97	60	143	280	196	X	1078	92	307	123	82	61	49	41	4.9	0.31
0.97	70	155	290	203	X	1082	106	322	129	86	64	51	43	5.0	0.31
0.97	80	165	300	210	X	1085	119	331	132	88	66	53	44	5.2	0.31
1.08	50	165	285	200	X	1080	89	xxx	139	93	70	56	46	5.0	0.35
1.08	60	182	300	210	X	1085	104	xxx	146	97	73	58	49	5.2	0.34
1.08	70	197	310	217	X	1089	120	xxx	153	102	76	61	51	5.4	0.35
1.08	80	210	320	224	X	1092	135	xxx	158	105	79	63	53	5.6	0.35
1.18	50	205	300	210	X	1085	103	xxx	165	110	82	66	55	5.2	0.39
1.18	60	225	315	221	X	1090	121	xxx	172	115	86	69	57	5.5	0.39
1.18	70	245	330	231	X	1096	140	xxx	179	119	89	71	60	5.8	0.38
1.26	50	255	320	224	X	1092	124	xxx	192	128	96	77	64	5.6	0.42
1.26	60	275	335	235	X	1097	144	xxx	198	132	99	79	66	5.9	0.42

System inlet pressure shown above is for Turbine Drives. Engine Drives will be approx. 10 PSI lower. Acres covered may vary depending on wind conditions, field dimensions, and use of unspecified sprinklers. The "System Inlet Pressure" is the pressure required at the traveler inlet. It includes allowances for the traveler plumbing and drive, PE tube and sprinkler pressure. No allowance for field elevation or mainline loss is included.

Feet of PE Tube:	Retraction Speed of Irrigation Tube (Ft / Hr)														
	400	350	300	250	200	175	150	125	100	90	80	70	60	50	40
980	2.5	2.8	3.3	3.9	4.9	5.6	6.5	7.8	9.8	10.9	12.3	14.0	16.3	19.6	24.5

Hours to Retract Irrigation Tube.

Acres covered may vary depending on wind conditions, field dimensions, and use of unspecified sprinklers. The "System Inlet Pressure" is the pressure required at the traveler inlet. It includes allowances for the traveler plumbing and drive, PE tube and sprinkler pressure. No allowance for field elevation or mainline loss is included.



## MODEL T30 X 980 PERFORMANCE

KOMET 140 NOZ:	SPRINKLER PERFORMANCE			IRRIGATED AREA			SYSTEM INLET PSI	INCHES DEPTH OF APPLICATION						ACRES PER FULL RUN	PRECIP. RATE: Ins/Hr 320 Degree Arc.
	PSI	GPM	DIA	WIDE	X	LONG		TRAVEL SPEED - FEET PER HOUR							
								0.2	0.5	0.75	1	1.25	1.5		
.79"	50	125	267	187	X	1073	77	282	113	75	56	45	38	4.6	0.30
.79"	60	138	282	197	X	1079	91	295	118	79	59	47	39	4.9	0.30
.79"	70	149	297	208	X	1084	104	302	121	81	60	48	40	5.2	0.29
.79"	80	159	312	218	X	1089	117	307	123	82	61	49	41	5.5	0.28
.87"	50	152	283	198	X	1079	85	-	129	86	65	52	43	4.9	0.32
.87"	60	167	298	209	X	1084	99	-	135	90	67	54	45	5.2	0.32
.87"	70	180	314	220	X	1090	114	-	138	92	69	55	46	5.5	0.31
.87"	80	192	329	230	X	1095	128	-	140	94	70	56	47	5.8	0.30
.94"	50	181	300	210	X	1085	94	-	145	97	73	58	48	5.2	0.34
.94"	60	198	315	221	X	1090	110	-	151	101	76	61	50	5.5	0.34
.94"	70	214	323	226	X	1093	126	-	160	106	80	64	53	5.7	0.35
.94"	80	229	344	241	X	1100	143	-	160	107	80	64	53	6.1	0.33
1.02"	50	212	315	221	X	1090	106	-	162	108	81	65	54	5.5	0.36
1.02"	60	233	331	232	X	1096	124	-	169	113	85	68	56	5.8	0.36
1.02"	70	251	347	243	X	1101	142	-	174	116	87	70	58	6.2	0.36
1.10"	50	246	330	231	X	1096	120	-	179	120	90	72	60	5.8	0.38
1.10"	60	270	347	243	X	1101	141	-	187	125	94	75	62	6.2	0.38

System inlet pressure shown above is for Turbine Drives. Engine Drives will be approx. 10 PS lower. Acres covered may vary depending on wind conditions, field dimensions, and use of unspecified sprinklers. The "System Inlet Pressure" is the pressure required at the traveler inlet. It includes allowances for the traveler plumbing and drive, PE tube and sprinkler pressure. No allowance for field elevation or mainline loss is included.

Feet of PE Tube:	Retraction Speed of Irrigation Tube (Ft / Hr)														
	400	350	300	250	200	175	150	125	100	90	80	70	60	50	40
980	2.5	2.8	3.3	3.9	4.9	5.6	6.5	7.8	9.8	10.9	12.3	14.0	16.3	19.6	24.5

Hours to Retract Irrigation Tube.

501-0515-0



## MODEL T30 X 1200 PERFORMANCE

KIFCO MODEL T30 X 1200 PERFORMANCE													ACRES	PRECIP. RATE: Ins/Hr	
Komet 140 NOZ:	SPRINKLER PERFORMANCE			IRRIGATED AREA			SYSTEM INLET	INCHES DEPTH OF APPLICATION						PER FULL RUN	320 Degree Arc.
	PSI	GPM	DIA	WIDE	X	LONG	PSI	0.2	0.5	0.75	1	1.25	1.5	5.6	6.2
								TRAVEL SPEED - FEET PER HOUR							
.79"	50	125	267	187	X	1293	81	-	113	75	56	45	38	5.6	0.30
.79"	60	138	282	197	X	1299	95	-	118	79	59	47	39	5.9	0.30
.79"	70	149	297	208	X	1304	109	-	121	81	60	48	40	6.2	0.29
.79"	80	159	312	218	X	1309	123	-	123	82	61	49	41	6.6	0.28
.87"	50	152	283	198	X	1299	90	-	129	86	65	52	43	5.9	0.32
.87"	60	167	298	209	X	1304	106	-	135	90	67	54	45	6.3	0.32
.87"	70	180	314	220	X	1310	121	-	138	92	69	55	46	6.6	0.31
.87"	80	192	329	230	X	1315	136	-	140	94	70	56	47	7.0	0.30
.94"	50	181	300	210	X	1305	102	-	145	97	73	58	48	6.3	0.34
.94"	60	198	315	221	X	1310	119	-	151	101	76	61	50	6.6	0.34
.94"	70	214	323	226	X	1313	137	-	160	106	80	64	53	6.8	0.35
1.02"	50	212	316	221	X	1311	116	-	162	108	81	65	54	6.7	0.36
1.02"	60	233	331	232	X	1316	137	-	169	113	85	68	56	7.0	0.36

System inlet pressure shown above is for Turbine Drives. Engine Drives will be approx. 10 PSI lower. Acres covered may vary depending on wind conditions, field dimensions, and use of unspecified sprinklers. The "System Inlet Pressure" is the pressure required at the traveler inlet. It includes allowances for the traveler plumbing and drive, PE tube and sprinkler pressure. No allowance for field elevation or mainline loss is included.

Retraction Speed of Irrigation Tube (Ft / Hr)															
Feet of	400	350	300	250	200	175	150	125	100	90	80	70	60	50	40
PE Tube:	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1200	3.0	3.4	4.0	4.8	6.0	6.9	8.0	9.6	12.0	13.3	15.0	17.1	20.0	24.0	30.0
Hours to Retract Irrigation Tube.															501-0516-0



## MODEL T30 X 1200 PERFORMANCE

													ACRES	PRECIP. RATE: Ins/Hr 320 Degree Arc.	
															PER FULL RUN
NELSON SR150 NOZ:	SPRINKLER PERFORMANCE			IRRIGATED AREA			SYSTEM INLET PSI	INCHES DEPTH OF APPLICATION							
	PSI	GPM	DIA	WIDE	X	LONG		0.2	0.5	0.75	1	1.25	1.5		
							TRAVEL SPEED - FEET PER HOUR								
0.97	50	130	265	186	X	1293	83	-	118	79	59	47	39	5.5	0.32
0.97	60	143	280	196	X	1298	97	-	123	82	61	49	41	5.8	0.31
0.97	70	155	290	203	X	1302	111	-	129	86	64	51	43	6.1	0.31
0.97	80	165	300	210	X	1305	125	-	132	88	66	53	44	6.3	0.31
1.08	50	165	285	200	X	1300	95	-	139	93	70	56	46	6.0	0.35
1.08	60	182	300	210	X	1305	112	-	146	97	73	58	49	6.3	0.34
1.08	70	197	310	217	X	1309	129	-	153	102	76	61	51	6.5	0.35
1.08	80	210	320	224	X	1312	145	-	158	105	79	63	53	6.8	0.35
1.18	50	205	300	210	X	1305	112	-	165	110	82	66	55	6.3	0.39
1.18	60	225	315	221	X	1310	132	-	172	115	86	69	57	6.6	0.39
1.18	70	240	330	231	X	1316	150	-	175	117	88	70	58	7.0	0.38

**System inlet pressure shown above is for Turbine Drives. Engine Drives will be approx. 10 PSI lower. Acres covered may vary depending on wind conditions, field dimensions, and use of unspecified sprinklers. The "System Inlet Pressure" is the pressure required at the traveler inlet. It includes allowances for the traveler plumbing and drive, PE tube and sprinkler pressure. No allowance for field elevation or mainline loss is included.**

Retraction Speed of Irrigation Tube (Ft / Hr)															
Feet of	400	350	300	250	200	175	150	125	100	90	80	70	60	50	40
PE Tube:	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1200	3.0	3.4	4.0	4.8	6.0	6.9	8.0	9.6	12.0	13.3	15.0	17.1	20.0	24.0	30.0
Hours to Retract Irrigation Tube.															501-0516-1



**MODEL T33 X 1120 PERFORMANCE**

NELSON SR150 NOZ:	SPRINKLER PERFORMANCE			IRRIGATED AREA			SYSTEM INLET PSI	INCHES DEPTH OF APPLICATION						ACRES PER FULL RUN	PRECIP. RATE: Ins/Hr 320 Degree Arc.
	PSI	GPM	DIA	WIDE	X	LONG		TRAVEL SPEED - FEET PER HOUR							
								0.3	0.5	0.75	1	1.25	1.5		
1.08	50	165	285	200	X	1220	81	232	139	93	70	56	46	5.6	0.35
1.08	60	182	300	210	X	1225	95	243	146	97	73	58	49	5.9	0.34
1.08	70	197	310	217	X	1229	109	255	153	102	76	61	51	6.1	0.35
1.08	80	210	320	224	X	1232	122	263	158	105	79	63	53	6.3	0.35
1.18	50	205	300	210	X	1225	91	274	165	110	82	66	55	5.9	0.39
1.18	60	225	315	221	X	1230	107	287	172	115	86	69	57	6.2	0.39
1.18	70	245	330	231	X	1236	123	298	179	119	89	71	60	6.6	0.38
1.18	80	260	340	238	X	1239	138	307	184	123	92	74	61	6.8	0.38
1.26	50	255	320	224	X	1232	106	320	192	128	96	77	64	6.3	0.42
1.26	60	275	335	235	X	1237	123	329	198	132	99	79	66	6.7	0.42
1.26	70	295	350	245	X	1243	140	338	203	135	101	81	68	7.0	0.41
1.34	50	300	335	235	X	1237	122	359	216	144	108	86	72	6.7	0.46
1.34	60	330	350	245	X	1243	144	378	227	151	113	91	76	7.0	0.46

System inlet pressure shown above is for Turbine Drives. Engine Drives will be approx. 10 PSI lower.  
 Acres covered may vary depending on wind conditions, field dimensions, and use of unspecified sprinklers.  
 The "System Inlet Pressure" is the pressure required at the traveler inlet. It includes allowances for the travel plumbing and drive, PE tube and sprinkler pressure. No allowance for field elevation or mainline loss is included.

Feet of PE Tube:	Retraction Speed of Irrigation Tube (Ft / Hr)															
	400	350	300	250	200	175	150	125	100	90	80	70	60	50	40	
1120	2.8	3.2	3.7	4.5	5.6	6.4	7.5	9.0	11.2	12.4	14.0	16.0	18.7	22.4	28.0	

Hours to Retract Irrigation Tube.



**MODEL T33 X 1120 PERFORMANCE**

**PRECIP. RATE:**  
Ins/Hr  
320  
Degree  
Arc.

Komet 140 NOZ:	SPRINKLER PERFORMANCE			IRRIGATED AREA			SYSTEM INLET PSI	INCHES DEPTH OF APPLICATION						ACRES PER FULL RUN	
	PSI	GPM	DIA	WIDE	X	LONG		0.3	0.5	0.75	1	1.25	1.5		
								TRAVEL SPEED - FEET PER HOUR							
.94"	50	181	300	210	X	1225	84	242	145	97	73	58	48	5.9	0.34
.94"	60	198	315	221	X	1230	99	252	151	101	76	61	50	6.2	0.34
.94"	70	214	323	226	X	1233	113	266	160	106	80	64	53	6.4	0.35
.94"	80	229	344	241	X	1240	128	267	160	107	80	64	53	6.9	0.33
1.02"	50	212	315	221	X	1230	93	270	162	108	81	65	54	6.2	0.36
1.02"	60	233	331	232	X	1236	109	282	169	113	85	68	56	6.6	0.36
1.02"	70	251	347	243	X	1241	125	290	174	116	87	70	58	6.9	0.36
1.02"	80	269	361	253	X	1246	141	299	179	120	90	72	60	7.2	0.35
1.10"	50	246	330	231	X	1236	103	299	179	120	90	72	60	6.6	0.38
1.10"	60	270	347	243	X	1241	121	312	187	125	94	75	62	6.9	0.38
1.10"	70	291	362	253	X	1247	139	323	194	129	97	77	65	7.3	0.38
1.18"	50	283	343	240	X	1240	116	331	199	132	99	79	66	6.8	0.41
1.18"	60	310	360	252	X	1246	136	346	207	138	104	83	69	7.2	0.41

System inlet pressure shown above is for Turbine Drives. Engine Drives will be approx. 10 PSI lower.  
 Acres covered may vary depending on wind conditions, field dimensions, and use of unspecified sprinkler:  
 The "System Inlet Pressure" is the pressure required at the traveler inlet. It includes allowances for the travel plumbing and drive, PE tube and sprinkler pressure. No allowance for field elevation or mainline loss is included.

Feet of PE Tube:	Retraction Speed of Irrigation Tube (Ft / Hr)														
	400	350	300	250	200	175	150	125	100	90	80	70	60	50	40
1120	2.8	3.2	3.7	4.5	5.6	6.4	7.5	9.0	11.2	12.4	14.0	16.0	18.7	22.4	28.0

Hours to Retract Irrigation Tube.



**MODEL T33 X 1120 PERFORMANCE**

NELSON SR150 NOZ:	SPRINKLER PERFORMANCE			IRRIGATED AREA			SYSTEM INLET PSI	INCHES DEPTH OF APPLICATION						ACRES PER FULL RUN	PRECIP. RATE: Ins/Hr 320 Degree Arc.
	PSI	GPM	DIA	WIDE	X	LONG		TRAVEL SPEED - FEET PER HOUR							
								0.3	0.5	0.75	1	1.25	1.5		
1.08	50	165	285	200	X	1220	81	232	139	93	70	56	46	5.6	0.35
1.08	60	182	300	210	X	1225	95	243	146	97	73	58	49	5.9	0.34
1.08	70	197	310	217	X	1229	109	255	153	102	76	61	51	6.1	0.35
1.08	80	210	320	224	X	1232	122	263	158	105	79	63	53	6.3	0.35
1.18	50	205	300	210	X	1225	91	274	165	110	82	66	55	5.9	0.39
1.18	60	225	315	221	X	1230	107	287	172	115	86	69	57	6.2	0.39
1.18	70	245	330	231	X	1236	123	298	179	119	89	71	60	6.6	0.38
1.18	80	260	340	238	X	1239	138	307	184	123	92	74	61	6.8	0.38
1.26	50	255	320	224	X	1232	106	320	192	128	96	77	64	6.3	0.42
1.26	60	275	335	235	X	1237	123	329	198	132	99	79	66	6.7	0.42
1.26	70	295	350	245	X	1243	140	338	203	135	101	81	68	7.0	0.41
1.34	50	300	335	235	X	1237	122	359	216	144	108	86	72	6.7	0.46
1.34	60	330	350	245	X	1243	144	378	227	151	113	91	76	7.0	0.46

System inlet pressure shown above is for Turbine Drives. Engine Drives will be approx. 10 PSI lower.  
 Acres covered may vary depending on wind conditions, field dimensions, and use of unspecified sprinklers.  
 The "System Inlet Pressure" is the pressure required at the traveler inlet. It includes allowances for the travel plumbing and drive, PE tube and sprinkler pressure. No allowance for field elevation or mainline loss is included.

Feet of PE Tube:	Retraction Speed of Irrigation Tube (Ft / Hr)														
	400	350	300	250	200	175	150	125	100	90	80	70	60	50	40
1120	2.8	3.2	3.7	4.5	5.6	6.4	7.5	9.0	11.2	12.4	14.0	16.0	18.7	22.4	28.0

Hours to Retract Irrigation Tube.



**MODEL T33 X 1120 PERFORMANCE**

**PRECIP. RATE:**  
Ins/Hr  
320  
Degree  
Arc.

Komet 140 NOZ:	SPRINKLER PERFORMANCE			IRRIGATED AREA			SYSTEM INLET PSI	INCHES DEPTH OF APPLICATION						ACRES PER FULL RUN	
	PSI	GPM	DIA	WIDE	X	LONG		0.3	0.5	0.75	1	1.25	1.5		
								TRAVEL SPEED - FEET PER HOUR							
.94"	50	181	300	210	X	1225	84	242	145	97	73	58	48	5.9	0.34
.94"	60	198	315	221	X	1230	99	252	151	101	76	61	50	6.2	0.34
.94"	70	214	323	226	X	1233	113	266	160	106	80	64	53	6.4	0.35
.94"	80	229	344	241	X	1240	128	267	160	107	80	64	53	6.9	0.33
1.02"	50	212	315	221	X	1230	93	270	162	108	81	65	54	6.2	0.36
1.02"	60	233	331	232	X	1236	109	282	169	113	85	68	56	6.6	0.36
1.02"	70	251	347	243	X	1241	125	290	174	116	87	70	58	6.9	0.36
1.02"	80	269	361	253	X	1246	141	299	179	120	90	72	60	7.2	0.35
1.10"	50	246	330	231	X	1236	103	299	179	120	90	72	60	6.6	0.38
1.10"	60	270	347	243	X	1241	121	312	187	125	94	75	62	6.9	0.38
1.10"	70	291	362	253	X	1247	139	323	194	129	97	77	65	7.3	0.38
1.18"	50	283	343	240	X	1240	116	331	199	132	99	79	66	6.8	0.41
1.18"	60	310	360	252	X	1246	136	346	207	138	104	83	69	7.2	0.41

System inlet pressure shown above is for Turbine Drives. Engine Drives will be approx. 10 PSI lower.  
 Acres covered may vary depending on wind conditions, field dimensions, and use of unspecified sprinkler:  
 The "System Inlet Pressure" is the pressure required at the traveler inlet. It includes allowances for the travel plumbing and drive, PE tube and sprinkler pressure. No allowance for field elevation or mainline loss is included.

Feet of PE Tube:	Retraction Speed of Irrigation Tube (Ft / Hr)														
	400	350	300	250	200	175	150	125	100	90	80	70	60	50	40
1120	2.8	3.2	3.7	4.5	5.6	6.4	7.5	9.0	11.2	12.4	14.0	16.0	18.7	22.4	28.0

Hours to Retract Irrigation Tube.



**MODEL T37 X 1220 PERFORMANCE**

Komet 160 NOZ:	SPRINKLER PERFORMANCE			IRRIGATED AREA			SYSTEM INLET PSI	INCHES DEPTH OF APPLICATION						ACRES PER FULL RUN	PRECIP. RATE: 320 Ins/Hr Degree Arc.
	PSI	GPM	DIA	WIDE	X	LONG		0.3	0.5	0.75	1	1.25	1.5		
								TRAVEL SPEED - FEET PER HOUR							
1.08"	50	233	317	222	X	1331	84	x	177	118	88	71	59	6.8	0.40
1.08"	60	255	350	245	X	1343	99	x	175	117	88	70	58	7.6	0.35
1.08"	70	275	371	260	X	1350	113	x	178	119	89	71	59	8.1	0.34
1.08"	80	294	384	269	X	1354	127	x	184	123	92	74	61	8.4	0.34
1.18"	50	277	333	233	X	1337	94	x	200	134	100	80	67	7.2	0.43
1.18"	60	303	367	257	X	1348	110	x	199	133	99	80	66	8.0	0.38
1.18"	70	328	390	273	X	1357	126	x	202	135	101	81	67	8.5	0.37
1.18"	80	350	404	283	X	1361	142	x	209	139	104	83	70	8.9	0.37
1.28"	50	325	348	244	X	1342	105	x	225	150	112	90	75	7.5	0.46
1.28"	60	356	386	270	X	1355	123	x	222	148	111	89	74	8.4	0.41
1.28"	70	384	407	285	X	1362	141	x	227	151	114	91	76	8.9	0.39
1.38"	50	377	364	255	X	1347	119	x	249	166	125	100	83	7.9	0.48
1.38"	60	413	401	281	X	1360	140	x	248	165	124	99	83	8.8	0.44

System inlet pressure shown above is for Turbine Drives. Engine Drives will be approx. 10 PSI lower.  
 Acres covered may vary depending on wind conditions, field dimensions, and use of unspecified sprinklers.  
 The "System Inlet Pressure" is the pressure required at the traveler inlet. It includes allowances for the traveler plumbing and drive, PE tube and sprinkler pressure. No allowance for field elevation or mainline loss is included.

Feet of PE Tube:	Retraction Speed of Irrigation Tube (Ft / Hr)														
	400	350	300	250	200	175	150	125	100	90	80	70	60	50	40
1220	3.1	3.5	4.1	4.9	6.1	7.0	8.1	9.8	12.2	13.6	15.3	17.4	20.3	24.4	30.5

Hours to Retract Irrigation Tube.



**MODEL T37 X 1220 PERFORMANCE**

NELSON SR150 NOZ:	SPRINKLER PERFORMANCE			IRRIGATED AREA			SYSTEM INLET PSI	INCHES DEPTH OF APPLICATION						ACRES PER FULL RUN	PRECIP. RATE: 320 Ins/Hr Degree Arc.
	PSI	GPM	DIA	WIDE	X	LONG		0.2	0.5	0.75	1	1.25	1.5		
								TRAVEL SPEED - FEET PER HOUR							
1.18	50	205	300	210	X	1325	79	411	165	110	82	66	55	6.4	0.39
1.18	60	225	315	221	X	1330	93	430	172	115	86	69	57	6.7	0.39
1.18	70	245	330	231	X	1336	107	447	179	119	89	71	60	7.1	0.38
1.18	80	260	340	238	X	1339	120	460	184	123	92	74	61	7.3	0.38
1.26	50	255	320	224	X	1332	89	480	192	128	96	77	64	6.9	0.42
1.26	60	275	335	235	X	1337	103	494	198	132	99	79	66	7.2	0.42
1.26	70	295	350	245	X	1343	118	507	203	135	101	81	68	7.6	0.41
1.26	80	315	360	252	X	1346	133	527	211	140	105	84	70	7.8	0.41
1.34	50	300	335	235	X	1337	99	539	216	144	108	86	72	7.2	0.46
1.34	60	330	350	245	X	1343	116	567	227	151	113	91	76	7.6	0.46
1.34	70	355	365	256	X	1348	133	585	234	156	117	94	78	7.9	0.45
1.34	80	380	380	266	X	1353	150	602	241	161	120	96	80	8.3	0.45
1.41	50	350	350	245	X	1343	112	x	241	161	120	96	80	7.6	0.49
1.41	60	385	365	256	X	1348	132	x	254	169	127	102	85	7.9	0.49
1.41	70	415	380	266	X	1353	151	x	263	175	131	105	88	8.3	0.49

System inlet pressure shown above is for Turbine Drives. Engine Drives will be approx. 10 PSI lower.  
 Acres covered may vary depending on wind conditions, field dimensions, and use of unspecified sprinklers.  
 The "System Inlet Pressure" is the pressure required at the traveler inlet. It includes allowances for the traveler plumbing and drive, PE tube and sprinkler pressure. No allowance for field elevation or mainline loss is included.

Feet of PE Tube:	Retraction Speed of Irrigation Tube (Ft / Hr)														
	400	350	300	250	200	175	150	125	100	90	80	70	60	50	40
1220	3.1	3.5	4.1	4.9	6.1	7.0	8.1	9.8	12.2	13.6	15.3	17.4	20.3	24.4	30.5

Hours to Retract Irrigation Tube.



**MODEL T40 X 1250 PERFORMANCE**

NELSON SR200 NOZ:	SPRINKLER PERFORMANCE			IRRIGATED AREA			SYSTEM INLET PSI	INCHES DEPTH OF APPLICATION						ACRES PER FULL RUN	PRECIP. RATE: Ins/Hr 320 Degree Arc.
	PSI	GPM	DIA	WIDE	X	LONG		0.2	0.5	0.75	1	1.25	1.5		
1.29	50	230	325	228	X	1364	77	-	170	114	85	68	57	7.1	0.37
1.29	60	250	340	238	X	1369	89	-	177	118	89	71	59	7.5	0.37
1.29	70	270	355	249	X	1374	102	-	183	122	92	73	61	7.9	0.37
1.29	80	290	370	259	X	1380	116	-	189	126	94	75	63	8.2	0.36
1.46	50	300	355	249	X	1374	87	-	203	136	102	81	68	7.9	0.41
1.46	60	330	370	259	X	1380	103	-	215	143	107	86	72	8.2	0.41
1.46	70	355	385	270	X	1385	117	-	222	148	111	89	74	8.6	0.41
1.46	80	380	400	280	X	1390	132	-	229	152	114	91	76	8.9	0.40
1.56	50	350	370	259	X	1380	96	-	228	152	114	91	76	8.2	0.44
1.56	60	385	390	273	X	1387	113	-	238	158	119	95	79	8.7	0.43
1.56	70	415	405	284	X	1392	130	-	247	164	123	99	82	9.1	0.43
1.56	80	445	420	294	X	1397	147	-	255	170	128	102	85	9.4	0.43
1.66	50	410	390	273	X	1387	109	-	253	169	127	101	84	8.7	0.46
1.66	60	445	410	287	X	1394	127	-	261	174	131	105	87	9.2	0.45
1.66	70	480	425	298	X	1399	145	-	272	181	136	109	91	9.6	0.45
1.66	80	515	440	308	X	1404	164	-	282	188	141	113	94	9.9	0.45
1.74	50	470	405	284	X	1392	123	-	279	186	140	112	93	9.1	0.49
1.74	60	515	425	298	X	1399	144	-	292	194	146	117	97	9.6	0.49
1.83	50	535	420	294	X	1397	140	-	307	204	153	123	102	9.4	0.52

System inlet pressure shown above is for Turbine Drives. Engine Drives will be approx. 10 PSI lower.  
 Acres covered may vary depending on wind conditions, field dimensions, and use of unspecified sprinklers.  
 The "System Inlet Pressure" is the pressure required at the traveler inlet. It includes allowances for the traveler plumbing and drive, PE tube and sprinkler pressure. No allowance for field elevation or mainline loss is included.

Feet of PE Tube:	Retraction Speed of Irrigation Tube (Ft / Hr)														
	400	350	300	250	200	175	150	125	100	90	80	70	60	50	40
1250	3.1	3.6	4.2	5.0	6.3	7.1	8.3	10.0	12.5	13.9	15.6	17.9	20.8	25.0	31.3

Hours to Retract Irrigation Tube. 508-0304-0



**MODEL T40 X 1250 PERFORMANCE**

Komet 202 NOZ:	SPRINKLER PERFORMANCE			IRRIGATED AREA			SYSTEM INLET PSI	INCHES DEPTH OF APPLICATION						ACRES PER FULL RUN	PRECIP. RATE: Ins/Hr 320 Degree Arc.
	PSI	GPM	DIA	WIDE	X	LONG		TRAVEL SPEED - FEET PER HOUR							
								0.2	0.5	0.75	1	1.25	1.5		
1.18"	50	277	333	233	X	1367	84	-	200	134	100	80	67	7.3	0.43
1.18"	60	303	367	257	X	1378	98	-	199	133	99	80	66	8.1	0.38
1.18"	70	328	390	273	X	1387	112	-	202	135	101	81	67	8.7	0.37
1.18"	80	350	404	283	X	1391	126	-	209	139	104	83	70	9.0	0.37
1.28"	50	325	348	244	X	1372	92	-	225	150	112	90	75	7.7	0.46
1.28"	60	356	386	270	X	1385	107	-	222	148	111	89	74	8.6	0.41
1.28"	70	384	407	285	X	1392	123	-	227	151	114	91	76	9.1	0.39
1.28"	80	411	421	295	X	1397	139	-	235	157	118	94	78	9.5	0.40
1.38"	50	377	364	255	X	1377	102	-	249	166	125	100	83	8.1	0.48
1.38"	60	413	401	281	X	1390	119	-	248	165	124	99	83	9.0	0.44
1.38"	70	446	422	295	X	1398	137	-	254	170	127	102	85	9.5	0.43
1.48"	50	433	377	264	X	1382	114	-	277	184	138	111	92	8.4	0.52
1.48"	60	474	414	290	X	1395	134	-	276	184	138	110	92	9.3	0.47
1.48"	70	512	435	305	X	1402	153	-	283	189	142	113	94	9.8	0.46

System inlet pressure shown above is for Turbine Drives. Engine Drives will be approx. 10 PSI lower.  
 Acres covered may vary depending on wind conditions, field dimensions, and use of unspecified sprinklers.  
 The "System Inlet Pressure" is the pressure required at the traveler inlet. It includes allowances for the traveler plumbing and drive, PE tube and sprinkler pressure. No allowance for field elevation or mainline loss is included.

Feet of PE Tube:	Retraction Speed of Irrigation Tube (Ft / Hr)														
	400	350	300	250	200	175	150	125	100	90	80	70	60	50	40
1250	3.1	3.6	4.2	5.0	6.3	7.1	8.3	10.0	12.5	13.9	15.6	17.9	20.8	25.0	31.3

Hours to Retract Irrigation Tube.

508-0304-1



**MODEL T40 X 1320 PERFORMANCE**

NELSON SR200 NOZ:	SPRINKLER PERFORMANCE			IRRIGATED AREA			SYSTEM INLET PSI	INCHES DEPTH OF APPLICATION						ACRES PER FULL RUN	PRECIP. RATE: Ins/Hr 320 Degree Arc.
	PSI	GPM	DIA	WIDE	X	LONG		TRAVEL SPEED - FEET PER HOUR							
								0.2	0.5	0.75	1	1.25	1.5		
1.29	50	230	325	228	X	1434	78	-	170	114	85	68	57	7.5	0.37
1.29	60	250	340	238	X	1439	91	-	177	118	89	71	59	7.9	0.37
1.29	70	270	355	249	X	1444	104	-	183	122	92	73	61	8.3	0.37
1.29	80	290	370	259	X	1450	117	-	189	126	94	75	63	8.6	0.36
1.46	50	300	355	249	X	1444	89	-	203	136	102	81	68	8.3	0.41
1.46	60	330	370	259	X	1450	104	-	215	143	107	86	72	8.6	0.41
1.46	70	355	385	270	X	1455	119	-	222	148	111	89	74	9.0	0.41
1.46	80	380	400	280	X	1460	135	-	229	152	114	91	76	9.4	0.40
1.56	50	350	370	259	X	1450	98	-	228	152	114	91	76	8.6	0.44
1.56	60	385	390	273	X	1457	116	-	238	158	119	95	79	9.1	0.43
1.56	70	415	405	284	X	1462	132	-	247	164	123	99	82	9.5	0.43
1.56	80	445	420	294	X	1467	150	-	255	170	128	102	85	9.9	0.43
1.66	50	410	390	273	X	1457	111	-	253	169	127	101	84	9.1	0.46
1.66	60	445	410	287	X	1464	130	-	261	174	131	105	87	9.7	0.45
1.66	70	480	425	298	X	1469	149	-	272	181	136	109	91	10.0	0.45

System inlet pressure shown above is for Turbine Drives. Engine Drives will be approx. 10 PSI lower.  
 Acres covered may vary depending on wind conditions, field dimensions, and use of unspecified sprinklers.  
 The "System Inlet Pressure" is the pressure required at the traveler inlet. It includes allowances for the traveler plumbing and drive, PE tube and sprinkler pressure. No allowance for field elevation or mainline loss is included.

Feet of PE Tube:	Retraction Speed of Irrigation Tube (Ft / Hr)														
	400	350	300	250	200	175	150	125	100	90	80	70	60	50	40
1320	3.3	3.8	4.4	5.3	6.6	7.5	8.8	10.6	13.2	14.7	16.5	18.9	22.0	26.4	33.0

Hours to Retract Irrigation Tube.



**MODEL T40 X 1320 PERFORMANCE**

KOMET 202 NOZ:	SPRINKLER PERFORMANCE			IRRIGATED AREA			SYSTEM INLET PSI	INCHES DEPTH OF APPLICATION						ACRES PER FULL RUN	PRECIP. RATE: 320 Degree Arc.
	PSI	GPM	DIA	WIDE	X	LONG		0.3	0.5	0.75	1	1.25	1.5		
								TRAVEL SPEED - FEET PER HOUR							
1.18"	50	277	333	233	X	1437	85	334	200	134	100	80	67	7.7	0.43
1.18"	60	303	367	257	X	1448	99	331	199	133	99	80	66	8.6	0.38
1.18"	70	328	390	273	X	1457	114	337	202	135	101	81	67	9.1	0.37
1.18"	80	350	404	283	X	1461	128	348	209	139	104	83	70	9.5	0.37
1.28"	50	325	348	244	X	1442	93	375	225	150	112	90	75	8.1	0.46
1.28"	60	356	386	270	X	1455	110	370	222	148	111	89	74	9.0	0.41
1.28"	70	384	407	285	X	1462	125	379	227	151	114	91	76	9.6	0.39
1.28"	80	411	421	295	X	1467	142	-	235	157	118	94	78	9.9	0.40
1.38"	50	377	364	255	X	1447	104	-	249	166	125	100	83	8.5	0.48
1.38"	60	413	401	281	X	1460	122	-	248	165	124	99	83	9.4	0.44
1.38"	70	446	422	295	X	1468	140	-	254	170	127	102	85	10.0	0.43
1.48"	50	433	377	264	X	1452	117	-	277	184	138	111	92	8.8	0.52
1.48"	60	474	414	290	X	1465	137	-	276	184	138	110	92	9.8	0.47

System inlet pressure shown above is for Turbine Drives. Engine Drives will be approx. 10 PSI lower. Acres covered may vary depending on wind conditions, field dimensions, and use of unspecified sprinklers. The "System Inlet Pressure" is the pressure required at the traveler inlet. It includes allowances for the traveler plumbing and drive, PE tube, and sprinkler pressure. No allowance for field elevation or mainline loss is included.

Feet of PE Tube:	Retraction Speed of Irrigation Tube (Ft / Hr)														
	400	350	300	250	200	175	150	125	100	90	80	70	60	50	40
1320	3.3	3.8	4.4	5.3	6.6	7.5	8.8	10.6	13.2	14.7	16.5	18.9	22.0	26.4	33.0
	Hours to Retract Irrigation Tube.														



**MODEL T41 X 1575 PERFORMANCE**

NELSON SR200 NOZ:	SPRINKLER PERFORMANCE			IRRIGATED AREA			SYSTEM INLET PSI	INCHES DEPTH OF APPLICATION						ACRES PER FULL RUN	PRECIP. RATE: Ins/Hr 320 Degree Arc.
	PSI	GPM	DIA	WIDE	X	LONG		TRAVEL SPEED - FEET PER HOUR							
								0.3	0.5	0.75	1	1.25	1.5		
1.29	50	230	325	228	X	1689	79		170	114	85	68	57	8.8	0.37
1.29	60	250	340	238	X	1694	92		177	118	89	71	59	9.3	0.37
1.29	70	270	355	249	X	1699	105		183	122	92	73	61	9.7	0.37
1.29	80	290	370	259	X	1705	119		189	126	94	75	63	10.1	0.36
1.46	50	300	355	249	X	1699	90		203	136	102	81	68	9.7	0.41
1.46	60	330	370	259	X	1705	106		215	143	107	86	72	10.1	0.41
1.46	70	355	385	270	X	1710	122		222	148	111	89	74	10.6	0.41
1.46	80	380	400	280	X	1715	137		229	152	114	91	76	11.0	0.40
1.56	50	350	370	259	X	1705	100			152	114	91	76	10.1	0.44
1.56	60	385	390	273	X	1712	118			158	119	95	79	10.7	0.43
1.56	70	415	405	284	X	1717	136			164	123	99	82	11.2	0.43
1.66	50	410	390	273	X	1712	114			169	127	101	84	10.7	0.46
1.66	60	445	410	287	X	1719	133			174	131	105	87	11.3	0.45
1.74	50	470	405	284	X	1717	130			186	140	112	93	11.2	0.49
1.74	60	515	425	298	X	1724	153			194	146	117	97	11.8	0.49
1.83	50	535	420	294	X	1722	149			204	153	123	102	11.6	0.52

System inlet pressure shown above is for Turbine Drives. Engine Drives will be approx. 10 PSI lower.  
 Acres covered may vary depending on wind conditions, field dimensions, and use of unspecified sprinklers.  
 The "System Inlet Pressure" is the pressure required at the traveler inlet. It includes allowances for the traveler plumbing and drive, PE tube and sprinkler pressure. No allowance for field elevation or mainline loss is included.

Feet of PE Tube:	Retraction Speed of Irrigation Tube (Ft / Hr)														
	400	350	300	250	200	175	150	125	100	90	80	70	60	50	40
1575	3.9	4.5	5.3	6.3	7.9	9.0	10.5	12.6	15.8	17.5	19.7	22.5	26.3	31.5	39.4

Hours to Retract Irrigation Tube.

508-0301-0



**MODEL T41 X 1575 PERFORMANCE**

KOMET 202 NOZ:	SPRINKLER PERFORMANCE			IRRIGATED AREA			SYSTEM INLET PSI	INCHES DEPTH OF APPLICATION						ACRES PER FULL RUN	PRECIP. RATE: Ins/Hr 320 Degree Arc.
	PSI	GPM	DIA	WIDE	X	LONG		0.3	0.5	0.75	1	1.25	1.5		
1.18"	50	277	333	233	X	1692	86		200	134	100	80	67	9.1	0.43
1.18"	60	303	367	257	X	1703	101		199	133	99	80	66	10.1	0.38
1.18"	70	328	390	273	X	1712	116		202	135	101	81	67	10.7	0.37
1.18"	80	350	404	283	X	1716	130		209	139	104	83	70	11.2	0.37
1.28"	50	325	348	244	X	1697	95		225	150	112	90	75	9.5	0.46
1.28"	60	356	386	270	X	1710	112		222	148	111	89	74	10.6	0.41
1.28"	70	384	407	285	X	1717	128		227	151	114	91	76	11.2	0.39
1.28"	80	411	421	295	X	1722	145			157	118	94	78	11.7	0.40
1.38"	50	377	364	255	X	1702	106			166	125	100	83	10.0	0.48
1.38"	60	413	401	281	X	1715	125			165	124	99	83	11.1	0.44
1.38"	70	446	422	295	X	1723	143			170	127	102	85	11.7	0.43
1.48"	50	433	377	264	X	1707	120			184	138	111	92	10.4	0.52
1.48"	60	474	414	290	X	1720	141			184	138	110	92	11.5	0.47
1.58"	50	492	388	272	X	1711	136			204	153	122	102	10.7	0.56
1.58"	60	539	427	299	X	1724	160			203	152	122	101	11.8	0.50

System inlet pressure shown above is for Turbine Drives. Engine Drives will be approx. 10 PSI lower.  
 Acres covered may vary depending on wind conditions, field dimensions, and use of unspecified sprinklers.  
 The "System Inlet Pressure" is the pressure required at the traveler inlet. It includes allowances for the traveler plumbing and drive, PE tube and sprinkler pressure. No allowance for field elevation or mainline loss is included.

Retraction Speed of Irrigation Tube (Ft / Hr)															
Feet of PE Tube:	400	350	300	250	200	175	150	125	100	90	80	70	60	50	40
1575	3.9	4.5	5.3	6.3	7.9	9.0	10.5	12.6	15.8	17.5	19.7	22.5	26.3	31.5	39.4

Hours to Retract Irrigation Tube. 508-0301-1



**MODEL T45 X 1320 PERFORMANCE**

NELSON SR200 NOZ:	SPRINKLER PERFORMANCE			IRRIGATED AREA			SYSTEM INLET PSI	INCHES DEPTH OF APPLICATION						ACRES PER FULL RUN	PRECIP. RATE: Ins/Hr 320 Degree Arc.
	PSI	GPM	DIA	WIDE	X	LONG		TRAVEL SPEED - FEET PER HOUR							
								0.2	0.5	0.75	1	1.25	1.5		
1.46	50	300	355	249	X	1444	76	-	203	136	102	81	68	8.3	0.41
1.46	60	330	370	259	X	1450	89	-	215	143	107	86	72	8.6	0.41
1.46	70	355	385	270	X	1455	102	-	222	148	111	89	74	9.0	0.41
1.46	80	380	400	280	X	1460	115	-	229	152	114	91	76	9.4	0.40
1.56	50	350	370	259	X	1450	82	-	228	152	114	91	76	8.6	0.44
1.56	60	385	390	273	X	1457	96	-	238	158	119	95	79	9.1	0.43
1.56	70	415	405	284	X	1462	110	-	247	164	123	99	82	9.5	0.43
1.56	80	445	420	294	X	1467	124	-	255	170	128	102	85	9.9	0.43
1.66	50	410	390	273	X	1457	89	-	253	169	127	101	84	9.1	0.46
1.66	60	445	410	287	X	1464	104	-	261	174	131	105	87	9.7	0.45
1.66	70	480	425	298	X	1469	119	-	272	181	136	109	91	10.0	0.45
1.66	80	515	440	308	X	1474	134	-	282	188	141	113	94	10.4	0.45
1.74	50	470	405	284	X	1462	97	-	279	186	140	112	93	9.5	0.49
1.74	60	515	425	298	X	1469	114	-	292	194	146	117	97	10.0	0.49
1.74	70	555	440	308	X	1474	131	-	304	202	152	121	101	10.4	0.49
1.74	80	590	455	319	X	1479	147	-	312	208	156	125	104	10.8	0.49
1.83	50	535	420	294	X	1467	107	-	307	204	153	123	102	9.9	0.52
1.83	60	585	440	308	X	1474	126	-	320	213	160	128	107	10.4	0.51
1.83	70	630	455	319	X	1479	144	-	333	222	167	133	111	10.8	0.52
1.93	50	640	435	305	X	1472	126	-	354	236	177	142	118	10.3	0.58
1.93	60	695	455	319	X	1479	147	-	368	245	184	147	123	10.8	0.57

System inlet pressure shown above is for Turbine Drives. Engine Drives will be approx. 10 PSI lower.  
 Acres covered may vary depending on wind conditions, field dimensions, and use of unspecified sprinklers.  
 The "System Inlet Pressure" is the pressure required at the traveler inlet. It includes allowances for the traveler plumbing and drive, PE tube and sprinkler pressure. No allowance for field elevation or mainline loss is included.

Feet of PE Tube:	Retraction Speed of Irrigation Tube (Ft / Hr)														
	400	350	300	250	200	175	150	125	100	90	80	70	60	50	40
1320	3.3	3.8	4.4	5.3	6.6	7.5	8.8	10.6	13.2	14.7	16.5	18.9	22.0	26.4	33.0

Hours to Retract Irrigation Tube. 508-0302-0



**MODEL T 45 X 1320 PERFORMANCE**

KOMET 202 NOZ:	SPRINKLER PERFORMANCE			IRRIGATED AREA			SYSTEM INLET PSI	INCHES DEPTH OF APPLICATION						ACRES PER FULL RUN	PRECIP. RATE: Ins/Hr 320 Degree Arc.
	PSI	GPM	DIA	WIDE	X	LONG		TRAVEL SPEED - FEET PER HOUR							
								0.3	0.5	0.75	1	1.25	1.5		
1.18"	50	277	333	233	X	1437	74		200	134	100	80	67	7.7	0.43
1.18"	60	303	367	257	X	1448	87		199	133	99	80	66	8.6	0.38
1.18"	70	328	390	273	X	1457	99		202	135	101	81	67	9.1	0.37
1.18"	80	350	404	283	X	1461	112		209	139	104	83	70	9.5	0.37
1.28"	50	325	348	244	X	1442	79		225	150	112	90	75	8.1	0.46
1.28"	60	356	386	270	X	1455	92		222	148	111	89	74	9.0	0.41
1.28"	70	384	407	285	X	1462	106		227	151	114	91	76	9.6	0.39
1.28"	80	411	421	295	X	1467	119		157	118	94	78		9.9	0.40
1.38"	50	377	364	255	X	1447	85			166	125	100	83	8.5	0.48
1.38"	60	413	401	281	X	1460	99			165	124	99	83	9.4	0.44
1.38"	70	446	422	295	X	1468	114			170	127	102	85	10.0	0.43
1.48"	50	433	377	264	X	1452	92			184	138	111	92	8.8	0.52
1.48"	60	474	414	290	X	1465	108			184	138	110	92	9.8	0.47
1.58"	50	492	388	272	X	1456	101			204	153	122	102	9.1	0.56
1.58"	60	539	427	299	X	1469	118			203	152	122	101	10.1	0.50
1.58"	70	582	447	313	X	1476	135			209	157	125	104	10.6	0.50
1.58"	80	622	458	321	X	1480	153			218	163	131	109	10.9	0.51

System inlet pressure shown above is for Turbine Drives. Engine Drives will be approx. 10 PSI lower.  
 Acres covered may vary depending on wind conditions, field dimensions, and use of unspecified sprinklers.  
 The "System Inlet Pressure" is the pressure required at the traveler inlet. It includes allowances for the traveler plumbing and drive, PE tube and sprinkler pressure. No allowance for field elevation or mainline loss is included.

Feet of PE Tube:	Retraction Speed of Irrigation Tube (Ft / Hr)														
	400	350	300	250	200	175	150	125	100	90	80	70	60	50	40
1320	3.3	3.8	4.4	5.3	6.6	7.5	8.8	10.6	13.2	14.7	16.5	18.9	22.0	26.4	33.0

Hours to Retract Irrigation Tube. 508-0302-1