

Dry Mounted Elevator Pumps

Determining Flow Rate (GPM) from Car Speed (ft./min.)

CAR SPEED	PLUNGER DIAMETER (INCHES)														
	3 7/8	4	4 3/8	4 1/2	5	5 3/8	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2	9	10
10	6	7	8	8	10	12	12	15	17	20	23	26	29	33	41
20	12	13	16	17	20	24	25	29	34	40	46	52	59	66	82
30	18	20	23	25	31	35	37	44	52	60	69	78	88	99	122
40	24	26	31	33	41	47	49	59	69	80	92	104	118	132	163
50	31	33	39	41	51	59	62	73	86	100	115	130	147	165	204
60	37	39	47	50	61	71	74	88	103	120	138	156	177	198	245
70	43	46	55	58	71	82	86	103	121	140	160	183	206	231	285
80	49	52	62	66	82	94	99	117	138	160	183	209	236	264	326
90	55	59	70	74	92	106	111	132	155	180	206	235	265	297	367
100	61	65	78	83	102	118	123	147	172	200	229	261	294	330	408
110	67	72	86	91	112	130	136	161	189	220	252	287	324	363	448
120	73	78	94	99	122	141	148	176	207	240	275	313	353	396	489
130	80	85	101	107	132	153	160	191	224	260	298	339	383	429	530
140	86	91	109	116	143	165	173	205	241	280	321	365	412	462	571
150	92	98	117	124	153	177	185	220	258	300	344	391	442	495	611
160	98	104	125	132	163	188	197	235	275	319	367	417	471	528	652
170	104	111	133	140	173	200	210	249	293	339	390	443	501	561	693
180	110	117	140	149	183	212	222	264	310	359	413	469	530	594	734
190	116	124	148	157	194	224	234	279	327	379	436	496	559	627	774
200	122	130	156	165	204	235	247	293	344	399	458	522	589	660	815
210	128	137	164	173	214	247	259	308	362	419	481	548	618	693	856
220	135	143	172	182	224	259	271	323	379	439	504	574	648	726	897
230	141	150	179	190	234	271	284	337	396	459	527	600	677	759	937



Electro-Mech Industries

2420 Hamilton Rd., Arlington Heights, IL 60005
 Phone: (847) 593-4900 Fax (847) 593-1394

SPEC.: SM3507
 DATE: Aug. 09

MANUFACTURED BY:



ZETTIMA MECCANICA

Dry Mounted Elevator Pumps

Horsepower requirements

GPM	FULL LOAD PRESSURE (PSI)											
	250	300	350	400	450	500	550	600	650	700	750	800
40	8	9	11	12	14	16	17	19	20	22	23	25
50	10	12	14	16	18	19	21	23	25	27	29	31
60	12	14	16	19	21	23	26	28	30	33	35	37
70	14	16	19	22	25	27	30	33	35	38	41	44
75	15	18	20	23	26	29	32	35	38	41	44	47
80	16	19	22	25	28	31	34	37	40	44	47	50
90	18	21	25	28	32	35	39	42	46	49	53	56
100	19	23	27	31	35	39	43	47	51	54	58	62
110	21	26	30	34	39	43	47	51	56	60	64	68
120	23	28	33	37	42	47	51	56	61	65	70	75
125	24	29	34	39	44	49	53	58	63	68	73	78
130	25	30	35	40	46	51	56	61	66	71	76	81
140	27	33	38	44	49	54	60	65	71	76	82	87
150	29	35	41	47	53	58	64	70	76	82	88	93
160	31	37	44	50	56	62	68	75	81	87	93	100
170	33	40	46	53	60	66	73	79	86	93	99	106
175	34	41	48	54	61	68	75	82	88	95	102	109
180	35	42	49	56	63	70	77	84	91	98	105	112
190	37	44	52	59	67	74	81	89	96	103	111	118
200	39	47	54	62	70	78	86	93	101	109	117	124
210	41	49	57	65	74	82	90	98	106	114	123	131
220	43	51	60	68	77	86	94	103	111	120	128	137
225	44	53	61	70	79	88	96	105	114	123	131	140
230	45	54	63	72	81	89	98	107	116	125	134	143
240	47	56	65	75	84	93	103	112	121	131	140	149
250	49	58	68	78	88	97	107	117	126	136	146	156
260	51	61	71	81	91	101	111	121	131	142	152	162
270	53	63	74	84	95	105	116	126	137	147	158	168
275	53	64	75	86	96	107	118	128	139	150	160	171
280	54	65	76	87	98	109	120	131	142	152	163	174
290	56	68	79	90	102	113	124	135	147	158	169	180
300	58	70	82	93	105	117	128	140	152	163	175	187
310	60	72	84	96	109	121	133	145	157	169	181	193
320	62	75	87	100	112	124	137	149	162	174	187	199
325	63	76	88	101	114	126	139	152	164	177	190	202



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ZETIMA MECCANICA

Dry Mounted Pumps

Pump Shaft Speed

● Pressure: 400 PSI ● Viscosity: 100 SSU

	Flow Rate (GPM)											
	30	40	50	60	70	75	80	90	100	110	120	130
GR 45 SMTU 180L	1909	2489	3071									
GR 45 SMTU 210L			2618	3110								
GR 55 SMTU 250L				2498	2888	3083	3278					
GR 55 SMTU 300L					2571	2743	2915	3260				
GR 55 SMTU 330L							2654	2966	3278	3591		
GR 55 SMTU 380L								2628	2902	3177		
GR 60 SMTU 440L									2465	2695	2925	3156
GR 60 SMTU 500L											2649	2856
GR 70 SMTU 560L											2470	2662

	Flow Rate (GPM)											
	140	150	160	170	175	180	190	200	210	220	225	230
GR 70 SMTU 560L	2854	3047	3240	3433	3530							
GR 70 SMTU 600L	2530	2699	2869	3038	3123	3208						
GR 70 SMTU 660L		2446	2598	2750	2826	2902	3055					
GR 70 SMTU 800L					2446	2511	2641					
GR 80 SMTU 1000L								2161	2261	2360	2410	2460

	Flow Rate (GPM)					
	240	250	260	270	275	280
GR 80 SMTU 1000L	2560					
GR 80 SMTU 1200L		2220	2302	2384	2425	2466

Data is subject to change without notice



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SPEC.: SM3509
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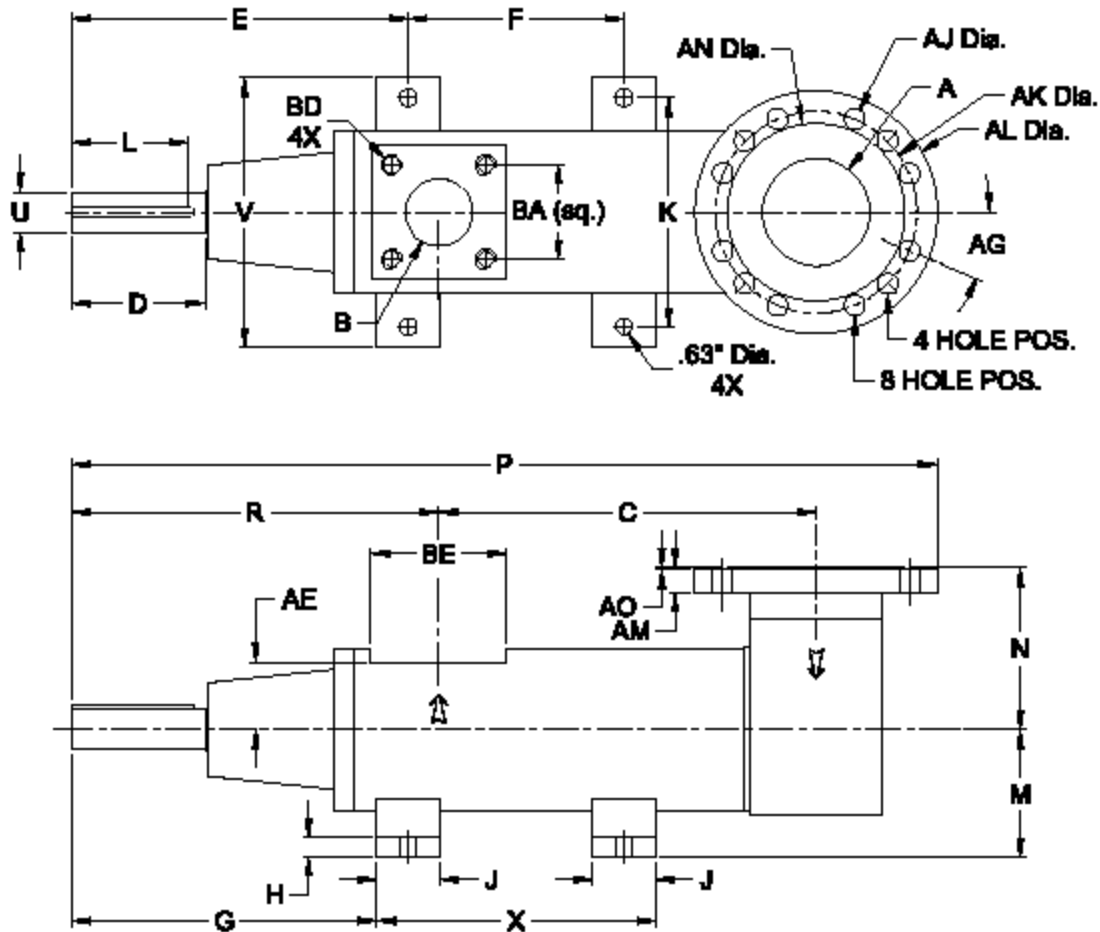
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Dry Mounted Elevator Pumps

Dimensional Data



PUMP MODEL	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	U
GR45	2.5"NPT	1.73	8.89	3.31	8.81	4.87	7.75	0.50	1.57	6.25	2.99	3.51	3.39	19.74	9.06	1.13
GR55	3.00	2.00	12.15	4.96	12.37	6.63	10.80	0.63	2.36	7.50	4.33	4.00	5.04	29.16	13.26	1.50
GR60	4.00	2.50	14.04	4.96	12.51	8.00	11.33	0.75	2.36	8.50	4.33	4.74	6.00	32.17	13.63	1.50
GR70	3.54	3.00	15.39	4.55	12.09	8.94	10.71	1.18	2.76	9.00	4.25	5.12	6.69	33.48	13.58	1.87
GR80	3.54	3.00	17.52	4.65	11.99	10.19	9.63	1.97	3.15	10.47	4.25	5.10	6.25	35.21	13.20	2.00

PUMP MODEL	V	X	AE	AG	AJ	AK	AL	AM	AN	AO	BA	BD	BE	KEY SQ.	WT. (lbs.)
GR45	7.50	7.00	2.03	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.625	5/8-11	3.937	1/4"	40
GR55	9.00	9.78	2.18	45	3/4x4	6.00	7.50	0.75	5	0.06	3.06	5/8-11	5	3/8"	77
GR60	10.00	10.36	2.50	23	3/4x8	7.50	9.00	0.94	6.19	0.06	3.5	3/4-10	5	3/8"	93
GR70	11.00	11.65	2.87	0	3/4x8	7.50	9.00	0.79	6.19	0.06	4.12	7/8-9	5.39	1/2"	124
GR80	11.97	14.91	2.80	23	3/4x8	7.50	9.00	0.94	N/A	N/A	4.12	7/8-9	6	1/2"	174

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2420 Hamilton Rd., Arlington Heights, IL 60005
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SPEC.: SM3506
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