

How to specify your Pumpteck pump set

Pump model: 356U-190/M26

Example:

356U
Pump
Series

-190
Cam
Size

/M26
Motor

Catalog performance data is with standard cam size. Other flow/pressure are possible by simply changing cam size (Kit C). The following steps will aid in selection:

- 1) Refer to the **THEORETICAL FLOW CHART** to select desired flow.
- 2) Refer to the **MOTOR AMPERAGE CHART** as a guide to system amperage requirement.
- 3) Refer to the **WIRE AND CABLE SELECTION CHART** to identify pump sets available.

THEORETICAL FLOW CHART (GPM) for 3/4" diameter plunger

RPM	Series 114T & 112T Flow Range					Series 212T, 314U, 314T, 348U, 356U, 357U Flow Range														
	Cam Size		Std.											Std. 212T		Std.				
	.040	.065	.075	.085	.095	.100	.110	.120	.130	.140	.150	.160	.170	.180	.190	.200	.210	.220	.230	.240
1700	0.52	0.84	0.98	1.11	1.24	1.30	1.43	1.56	1.69	1.82	1.95	2.08	2.21	2.34	2.47	2.60	2.73	2.86	2.99	3.12
1800	0.55	0.89	1.03	1.17	1.31	1.38	1.52	1.65	1.79	1.93	2.07	2.20	2.34	2.48	2.62	2.76	2.89	3.03	3.17	3.31
1900	0.58	0.94	1.09	1.24	1.38	1.45	1.60	1.75	1.89	2.04	2.18	2.33	2.47	2.62	2.76	2.91	3.05	3.20	3.34	3.49
2000	0.61	0.99	1.15	1.30	1.45	1.53	1.68	1.84	1.99	2.14	2.30	2.45	2.60	2.76	2.91	3.06	3.21	3.37	3.52	3.67
2200	0.67	1.09	1.26	1.43	1.60	1.68	1.85	2.02	2.19	2.36	2.53	2.69	2.86	3.03	3.20	3.37	3.54	3.70	3.87	4.04
2400	0.73	1.19	1.38	1.56	1.75	1.84	2.02	2.20	2.39	2.57	2.76	2.94	3.12	3.31	3.49	3.67	3.86	4.04	4.22	4.41

Std. = Standard cam sizes are indicated by shaded area and bold type

NOTE: 12 VDC motors speed (RPM) will vary with load (PSI & GPM) required. Maximum flows are at lowest pressures. Maximum pressures are at lowest flows.

MOTOR AMPERAGE CHART

Approximate amperage requirement for various pressure and flow combinations

PSI	GPM															
	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00
100	9	9	9	9	9	12	15	15	20	30	30	30	30	40	40	40
200	9	9	15	15	30	30	40	40	40	40	50	50	60	60	75	75
300	9	15	20	30	40	40	50	50	60	75	75					
400	9	15	30	40	40	50	60	75								
500	15	20	30	40	60	75										

Data intended for guidance when designing systems. Many factors will affect final system performance.