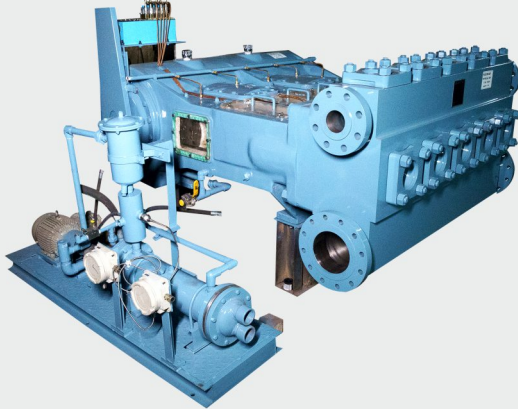


PUMP MODEL

QUINTUPLEX PLUNGER PUMP RRP 36 Q



This six-inch stroke pump is equipped with mono block Forged Steel fluid end, designed to handle various fluid.

Working Pressure

Upto 3,180 psig

Displacement

11335 bpd (330.48 gpm)

at 1250 psig

4478 bpd (130.56gpm)

At 3180 psig

SPECIFICATIONS

		ENGLISH	METRIC	MAINTENANCE FEATURES
Pump size	(max .Plunger Dia x Stroke)	Inches 3 X 6	mm 76 x 152	• Horizontal design • Large power end access covers and doors • Outside access for bearing adjustment • Separate crosshead–plunger shank construction • Open frame cradles • Removable stuffing boxes
Standard Plunger Sizes		Inches 2, 2-1/8, 2-1/4, 2-3/8, 2-1/2, 2-5/8, 2-3/4, 2-7/8, and 3	mm 51, 54, 57, 60, 64, 67, 70, 73 and 76	
Rated bhp at 360 rpm		hp 267	Kw 199	
Hydrostatic Test Pressure:	Discharge	psi 4770	kPa 32888	
	Suction	psi 1080	kPa 7446	
Maximum Working Pressure:	Discharge	psi 3180	kPa 21925	
	Suction	psi 720	kPa 4964	
Two Flanged Suction Connection:	Pipe Size	Inches 4"	mm 102	
	ANSI RATING	Class 300	Class 300	
Two Flanged Discharge Connection:	Pipe Size	Inches 3"	mm 76.	
	ANSI RATING	Class 1500	Class 1500	
Crank Shaft Extension:	Diameter	Inches 4.495	mm 114	
	Length	Inches 7%	mm 197	
	Keyway (Width x Depth)	Inches 1 x 3/8	mm 25 x 10	
Accessory Gear Units Reduction Ratio		2.698:1	2.698:1	
		3.680:1	3.680:1	
		5.500:1	5.500:1	
		7.316:1	7.316:1	
		9.500:1	9.500:1	
Rated Plunger Rod Load		Pounds 10000	N 44482	
Oil Capacity (Crank Case).		Gallons 32	Litre 121	
Gear Unit		Gallons	Litre	
Weight (On wooden shipping skid)(Est.)		Pounds 6200	Kg 2812	
Gear Unit (Est..)		Pounds 2219	Kg 1007	

PLUNGER DIA (INCH)	PLUNGER DIA (mm)	STUFFING BOX BORE (INCH)	STUFFING BOX BORE (mm)
2 - 2 ³ / ₈	51 - 60	3 ¹ / ₄	83
2 ¹ / ₂ - 3	64 - 76	4 ¹ / ₈	105

PUMP PERFORMANCE DATA

ENGLISH UNIT

Plgr.Dia (inch)	Plunger Area (Sq.inch)	DisplaceMent (Gal.PerRev.)	Maximum Pressure (psi)	100rpm		150 rpm		200 rpm		250 rpm		300 rpm		* 320 rpm		360		
				bpd	gpm	bpd	gpm	bpd	gpm	bpd	gpm	bpd	gpm	bpd	gpm	psi	bpd	gpm
2	3.1416	0.408	3180	1399	40.80	2099	61.22	2799	81.64	3499	102.05	4198	122.44	4478	130.61	2800	5040	147.00
2½	3.5466	0.4606	2820	1580	46.08	2370	69.13	3160	92.17	3950	115.21	4740	138.25	5055	147.44	2480	5687	165.87
2¾	3.9761	0.5164	2520	1771	51.65	2657	77.50	3542	103.31	4428	129.15	5313	154.96	5668	165.32	2220	6376	185.97
2½	4.4301	0.5753	2260	1973	57.55	2960	86.33	3947	115.12	4934	143.91	5920	172.67	6315	184.19	1980	7104	207.20
2½	4.9087	0.6375	2040	2187	63.79	3280	95.67	4373	127.55	5467	159.45	6560	191.33	6997	204.08	1800	7872	229.60
2¾	5.4119	0.7028	1840	2411	70.32	3616	105.47	4822	140.64	6027	175.79	7232	210.93	7714	224.99	1630	8679	253.14
2¾	5.9396	0.7714	1680	2646	77.18	3969	115.76	5292	154.35	6615	192.94	7937	231.50	8467	246.95	1480	9525	277.81
2¾	6.4918	0.8431	1540	2892	84.35	4338	126.53	5784	168.70	7230	210.88	8675	253.02	9254	182.41	1360	10411	303.65
3	7.0686	0.9180	1420	3149	91.85	4723	82.62	6297	183.66	7872	229.60	9446	275.51	10076	293.88	1250	11335	330.60
Brake Horse Power Required				84		126		168		210		250		267		267		

METRIC UNIT

Plgr.Dia (mm)	Plunger Area (cm²)	Displacement (L / Rev.)	Maximum Pressure (kPa)	100rpm		150 rpm		200 rpm		250 rpm		300 rpm		* 320 rpm		400 rpm		
				m³/d	L/s	m³/d	L/s	m³/d	L/s	m³/d	L/s	m³/d	L/s	m³/d	L/s	kpa	m³/d	L/s
51	20.268	1.5444	21925	222	2.57	334	3.87	445	5.15	556	6.44	667	7.72	712	8.24	19305	801	9.27
54	22.881	1.7435	19443	251	2.91	377	4.36	502	5.81	628	7.27	753	8.72	803	9.29	17099	904	10.46
57	25.652	1.9547	17374	281	3.25	422	4.88	563	6.52	704	8.15	844	9.77	901	10.43	15306	1013	11.72
60	28.581	2.1779	15582	314	3.63	470	5.44	627	7.26	784	9.07	941	10.89	1004	11.62	13652	1129	13.07
64	31.669	2.4132	14065	347	4.02	521	6.03	695	8.04	869	10.06	1042	12.06	1112	12.87	12411	1251	14.48
67	34.915	2.6605	12686	383	4.43	575	6.66	766	8.87	958	11.09	1149	13.30	1226	14.19	11238	1379	15.96
70	38.320	2.9200	11583	420	4.86	631	7.30	841	9.73	1051	12.16	1261	14.59	1346	15.58	10204	1514	17.52
73	41.883	3.1914	10618	460	5.32	689	7.97	919	10.64	1149	13.30	1379	15.96	1471	17.03	9377	1654	19.14
76	45.604	3.4750	9791	500	5.79	751	8.69	1001	11.59	1251	14.48	1501	17.37	1601	18.53	8618	1801	20.84
Kilo-watt Input				63		94		126		157		188		201		201		

ENGLISH AND METRIC

Gear Unit Pinion Shaft r / min at Gear Ratios of:	2.698:1	270	405	540	675	809	863	971
	3.680:1	368	552	736	920	1104	1176	1325
	5.500:1	550	825	1100	1375	1650	1760	1980
	7.361:1	732	1097	1463	1829	2195	2341	2634
	9.500:1	950	1425	1900	2375	2850	3040	3420

* PUMP SPEEDS IN EXCESS OF 320 RPM REQUIRES SPECIFIC APPROVAL OF THE MANUFACTURER, VISCOSITY, TEMPERATURE, VELOCITIES AND OTHER FLUID PROPERTIES OR CHARACTERISTICS COMBINED WITH THE INHERENT MECHANICAL EFFICIENCIES OF PUMP MAY RESULT IN LESS THAN OPTIMUM OPERATIONS. WE HAVE APPLIED THIS CONSERVATISM TO ASSURE YOU TOTAL PERFORMANCE