

# Technical Data

## PUMP PERFORMANCE BY RANGE



Pump Model	Volume				Plunger Ø mm	Hub Stroke mm	Pressure max		Temp max. °C	RPM rpm	Power Consumption		Weight ca. Kg	Recommended Unloader
	max. l/min	l/h	Imp. Gpm	US Gpm			bar	PSI			kW	HP		
A11/10-100	9.4	564	2.1	2.5	18	-	100	1450	70	2700	1.8	2.4	4	**
A51/10-250	10.2	612	2.2	2.7	12	-	250	3625	70	1450	4.9	6.6	12	UL180/280
A51/20-160	19.8	1188	4.4	5.2	12	-	160	2320	70	2880	6.1	8.2	12	UL180
A51/15-200	15	900	3.3	4	12	-	200	2900	70	3000	5.8	7.8	12	UL180
NP10/4-140	3.6	216	0.8	0.9	18	3.4	140	2030	60	1450	1	1.3	5.4	ULA150, UL180
NP10/10-140	10.6	636	2.3	2.8	18	10	140	2030	70	1450	3	4	5.3	ULA150, UL180
NP10/13-140	13.1	786	2.9	3.5	18	12.4	140	2030	70	1450	3.6	4.8	5.3	ULA150, UL180
NP10/15-140	14.6	876	3.2	3.9	18	14.1	140	2030	70	1450	4.1	5.5	5.3	ULA150, UL180
NP16/13-220	14.4	864	3.2	3.8	12	14.1	220	3190	60	3450	6.2	8.3	7.3	ULA201, UL180
NP16/14-210	13.9	834	3.1	3.7	18	10.6	210	3045	70	1800	5.8	7.8	7.3	ULA201, UL180
NP16/15-210	15	900	3.3	4	18	14.1	210	3045	70	1450	6.2	8.3	7.3	ULA201, UL180
NP16/18-140	18.3	1098	4	4.8	20	14.1	140	2030	70	1450	5	6.7	7.3	ULA201, UL180
NP16/21-140	20.8	1248	4.6	5.5	20	16	140	2030	70	1450	5.7	7.7	7.3	ULA201, UL180
NP25/12-500	12.1	726	2.7	3.2	14	20	500	7250	40	1450	12.3	16.5	17	UL50/500
NP25/15-500	14.5	870	3.2	3.8	14	24	500	7250	40	1450	14.8	19.9	17	UL50/500
NP25/21-350	20.8	1248	4.6	5.5	18	20	350	5075	70	1450	14.8	19.9	16.6	VB80/400
NP25/21-280	21	1260	4.6	5.5	18	20	280	4060	70	1450	11.6	15.6	16.6	VB80/280
NP25/25-220	25.2	1512	5.5	6.6	18	24	220	3190	70	1450	11	14.8	16.6	VB80/280
NP25/30-180	31.4	1884	6.9	8.3	22	20	180	2610	70	1450	11.1	14.9	16.6	UL180/UL221
NP25/38-150	37.7	2262	8.3	9.9	22	24	150	2175	70	1450	11.1	14.9	16.6	UL221/UL262
NP25/41-140	40.6	2436	8.9	10.7	25	20	140	2030	70	1450	11.2	15	16.6	UL221/UL262
NP25/50-120	48.7	2922	10.7	12.8	25	24	120	1740	70	1450	11.5	15.4	16.6	UL262
NP25/70-100	70.1	4206	15.4	18.5	30	24	100	1450	70	1450	13.8	18.5	18	UL262
P11/3-200	3.1	186	0.7	0.8	12	8.1	200	2900	70	1420	1.3	1.7	6.3	UL180
P11/5-200	4.7	282	1	1.2	12	12.4	200	2900	70	1420	1.9	2.6	6.3	UL180
P11/10-100	10.2	612	2.2	2.7	18	10	150	2175	70	1420	3.1	4.2	6.3	UL180
P11/13-100	12.7	764	2.8	3.4	18	12.4	150	2175	70	1420	3.9	5.2	6.3	UL180
P11/15-150	14.7	882	3.2	3.9	18	14.1	150	2175	70	1420	4.5	6	6.3	UL180
P11/10-100 D	6.5/5.3	390/318	1.4/1.2	1.7/1.4	18	10	60	870	90/105	900/750	0.8/0.7	1.1/0.9	6.3	UL180*
P11/13-100 D	8.0/6.7	480/402	1.8/1.5	2.1/1.8	18	12.4	60	870	90/105	900/750	1.0/0.9	1.3/1.2	6.3	UL180*
P11/15-150 D	9.3/7.8	558/468	2.0/1.7	2.5/2.1	18	14.1	60	870	90/105	900/750	1.2/1.0	1.6/1.3	6.3	UL180*
P21/16-200	15.1	906	3.3	4	16	18	200	2900	70	1450	5.9	7.9	7.8	UL180
P21/15-160	14.7	882	3.2	3.9	18	14.1	160	2320	70	1420	4.6	6.2	7.8	UL180
P21/18-130	18.1	1086	4	4.8	20	14.1	130	1885	70	1420	4.6	6.2	7.8	UL180
P21/23-130	23.1	1386	5.1	6.1	20	18	130	1885	70	1420	5.9	7.9	7.8	UL180
P21/7-400	6.8	408	1.5	1.8	12	18	400	5800	70	1420	5.6	7.5	7.8	VB80/400***
P21/5-450	5.1	306	1.1	1.3	12	14.1	450	6525	70	1420	4.7	6.3	7.8	VB80/400***

P21/18-130 D	11.5/9.6	690/576	2.5/2.1	3.0/2.5	20	14.1	60	870	90/105	900/750	1.5/1.3	2.0/1.7	7.8	UL180*
P21/23-130 D	14.7/12.2	882/732	3.2/2.7	3.9/3.2	20	18	60	870	90/105	900/750	1.9/1.6	2.6/2.1	7.8	UL180*
P22/15-280	15.1	906	3.3	4	16	18	280	4060	60	1450	8.6	11.5	8.8	UL180/280
P22/28-100	28.3	1698	6.2	7.5	22	18	100	1450	70	1450	5.8	7.8	8.8	UL180/UL221
P22/28-130	28.3	1698	6.2	7.5	22	18	130	1885	70	1450	7.5	10.1	8.8	UL180/UL221
P31/25-220	25.2	1512	5.5	6.6	20	20	220	3190	70	1420	11	14.8	19	UL180/280
P31/36-150	36.2	2172	8	9.6	24	20	150	2175	70	1420	11	14.8	19	UL221
P30/43-130	42.5	2550	9.3	11.2	26	20	130	1885	70	1420	11	14.8	19	UL221
P30/36-150 D	23.0/19.2	1380/1152	5.1/4.2	6.1/5.1	24	20	60	870	90/105	900/750	3.0/2.5	4.0/3.4	19	UL221*
P30/43-130 D	27.0/22.5	1620/1350	5.9/4.9	7.1/5.9	26	20	60	870	70	900/750	3.5/2.9	4.7/3.9	19	UL221*
P41/33-250	33.7	2022	7.4	8.9	20	26	250	3625	70	1450	17.2	23.1	30	UL262
P41/48-180	48.6	2916	10.7	12.8	24	26	180	2610	70	1450	17.9	24	30	UL262
P41/51-130	51.1	3066	11.2	13.5	28	26	130	1885	70	1100	13.6	18.3	30	UL262
P41/58-110	58.2	3492	12.8	15.4	30	26	110	1595	105	1100	13.1	17.6	30	UL262
P41/58-110 DK	39.7	2382	8.7	10.5	30	26	80	1160	60	750	6.9	9.3	30	UL262*
P45/60-250	57	3420	12.5	15	24	42	250	3625	60	1000	29.1	39.1	50	UL262
P45/75-180	74.5	4470	16.4	19.7	28	42	180	2610	60	1000	27.4	36.8	50	UL262
P45/85-160	85.5	5130	18.8	22.6	30	42	160	2320	70	1000	27.9	37.4	50	UL262
P50/94-110	93.8	5628	20.6	24.7	36	40	110	1595	105	800	20.3	27.2	50	UL262
P50/94-110 D	66.8	4008	14.7	17.6	36	40	80	1160	60	570	10.6	14.2	50	UL262*
P51/135-90	134.1	8046	29.5	35.4	42	42	90	1305	40	800	23.8	31.9	57	UL262
P52/12-1000	12.8	768	2.8	3.4	12	42	1000	14500	40	1000	26.2	35.2	52	-
P52/17-800	17.5	1050	3.8	4.6	14	42	800	11600	40	1000	28.5	38.3	52	-
P52/22-600	22.8	1368	5	6	16	42	600	8700	40	1000	27.9	37.4	52	-
P52/30-500	30	1800	6.6	7.9	18	42	500	7250	60	1000	29.5	39.6	64.4	UL500/31H/UL50/500
P52/37-400	37	2220	8.1	9.8	20	42	400	5800	60	1000	30.2	40.5	54	VB80/400
P52/54-270	53.5	3210	11.8	14.1	24	42	270	3915	60	1000	28.3	38	54	UL262
P52/72-200	72.1	4326	15.8	19	28	42	200	2900	60	1000	28.4	38.1	54	UL262
P52/100-150	98.3	5898	21.6	25.9	32	42	150	2175	60	1000	29.7	39.9	54	UL262
P52/120-120	123.1	7386	27.1	32.5	36	42	120	1740	60	1000	29.1	39.1	54	UL262
P55/165-100 G	164	9840	36	43.3	32	46	100	1450	60	750	33.4	44.8	81	UL300/1, UL500/11H
P55/128-160 G	127.8	7668	28.1	33.7	36	46	160	2320	60	910	41.7	56	81	UL262
P55/100-200 G	105	6300	23.1	27.7	45	46	200	2900	60	1000	42.9	57.6	81	UL262
P62/50-420	48.5	2910	10.7	12.8	24	48	420	6090	60	800	42.4	56.9	140	UL500/31H
P62/70-300	68.1	4086	15	18	28	48	300	4350	60	800	41.7	56	140	UL500/31H
P62/90-210	88.9	5334	19.5	23.5	32	48	210	3045	60	800	36.8	49.4	140	UL262/2
P62/140-150	139	8340	30.5	36.7	40	48	150	2175	60	800	41	55	140	UL500/31H
P62/175-120	175.9	10554	38.7	46.4	45	48	120	1740	60	800	41.6	55.8	140	UL500/31H
P71/40-700	39.6	2376	8.7	10.4	22	52	700	10150	60	750	54.5	73.2	170	-
P71/50-500	48	2880	10.5	12.7	24	52	500	7250	60	750	57.2	63.4	170	UL500/31H
P71/70-400	67.7	4062	14.9	17.9	28	52	400	5800	60	750	53.3	71.5	170	UL500/31H
P71/90-300	88.5	5310	19.5	23.4	32	52	300	4350	60	750	52.3	70.2	170	UL500/31H
P71/110-250	107	6420	23.5	28.2	36	52	250	3625	60	700	52.7	70.7	170	UL500/31H
P71/145-180	145.3	8718	31.9	38.3	42	52	180	2610	60	700	51.5	69.1	170	UL300/2
P71/200-130	205.8	12348	45.2	54.3	50	52	130	1885	60	700	52.7	70.7	170	UL500/11H
P71/250-100	249.1	14946	54.7	65.7	55	52	100	1450	60	700	49	65.8	170	UL500/11H
P80/340-170	340	20400	74.9	89.8	60	72	170	2465	60	580	110	147.5	320	
P80/400-140	400	24000	88.1	105.7	65	72	140	2030	60	580	106	142.2	320	

\* MAX 90°C \*\* BUILT IN UNLOADER \*\*\* UP TO 400 BAR

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# Technical Data

## PUMP PERFORMANCE BY POWER CONSUMPTION



Pump Model	Volume				Plunger Ø mm	Hub Stroke mm	Pressure max		Temp max. °C	RPM rpm	Power Consumption		Weight ca. Kg	Recommended Unloader
	max. l/min	l/h	Imp. Gpm	US Gpm			bar	PSI			kW	HP		
P11/10-100 D	6.5/5.3	390/318	1.4/1.2	1.7/1.4	18	10	60	870	90/105	900/750	0.8/0.7	1.1/0.9	6.3	UL180*
P11/13-100 D	8.0/6.7	480/402	1.8/1.5	2.1/1.8	18	12.4	60	870	90/105	900/750	1.0/0.9	1.3/1.2	6.3	UL180*
NP10/4-140	3.6	216	0.8	0.9	18	3.4	140	2030	60	1450	1	1.3	5.4	ULA150, UL180
P11/15-150 D	9.3/7.8	558/468	2.0/1.7	2.5/2.1	18	14.1	60	870	90/105	900/750	1.2/1.0	1.6/1.3	6.3	UL180*
P11/3-200	3.1	186	0.7	0.8	12	8.1	200	2900	70	1420	1.3	1.7	6.3	UL180
P21/18-130 D	11.5/9.6	690/576	2.5/2.1	3.0/2.5	20	14.1	60	870	90/105	900/750	1.5/1.3	2.0/1.7	7.8	UL180*
A11/10-100	9.4	564	2.1	2.5	18	-	100	1450	70	2700	1.8	2.4	4	**
P11/5-200	4.7	282	1	1.2	12	12.4	200	2900	70	1420	1.9	2.6	6.3	UL180
P21/23-130 D	14.7/12.2	882/732	3.2/2.7	3.9/3.2	20	18	60	870	90/105	900/750	1.9/1.6	2.6/2.1	7.8	UL180*
NP10/10-140	10.6	636	2.3	2.8	18	10	140	2030	70	1450	3	4	5.3	ULA150, UL180
P30/36-150 D	23.0/19.2	1380/1152	5.1/4.2	6.1/5.1	24	20	60	870	90/105	900/750	3.0/2.5	4.0/3.4	19	UL221*
P11/10-100	10.2	612	2.2	2.7	18	10	150	2175	70	1420	3.1	4.2	6.3	UL180
P30/43-130 D	27.0/22.5	1620/1350	5.9/4.9	7.1/5.9	26	20	60	870	70	900/750	3.5/2.9	4.7/3.9	19	UL221*
NP10/13-140	13.1	786	2.9	3.5	18	12.4	140	2030	70	1450	3.6	4.8	5.3	ULA150, UL180
P11/13-100	12.7	764	2.8	3.4	18	12.4	150	2175	70	1420	3.9	5.2	6.3	UL180
NP10/15-140	14.6	876	3.2	3.9	18	14.1	140	2030	70	1450	4.1	5.5	5.3	ULA150, UL180
P11/15-150	14.7	882	3.2	3.9	18	14.1	150	2175	70	1420	4.5	6	6.3	UL180
P21/15-160	14.7	882	3.2	3.9	18	14.1	160	2320	70	1420	4.6	6.2	7.8	UL180
P21/18-130	18.1	1086	4	4.8	20	14.1	130	1885	70	1420	4.6	6.2	7.8	UL180
P21/5-450	5.1	306	1.1	1.3	12	14.1	450	6525	70	1420	4.7	6.3	7.8	VB80/400***
A51/10-250	10.2	612	2.2	2.7	12	-	250	3625	70	1450	4.9	6.6	12	UL180/280
NP16/18-140	18.3	1098	4	4.8	20	14.1	140	2030	70	1450	5	6.7	7.3	ULA201, UL180
P21/7-400	6.8	408	1.5	1.8	12	18	400	5800	70	1420	5.6	7.5	7.8	VB80/400
NP16/21-140	20.8	1248	4.6	5.5	20	16	140	2030	70	1450	5.7	7.7	7.3	ULA201, UL180
A51/15-200	15	900	3.3	4	12	-	200	2900	70	3000	5.8	7.8	12	UL180
NP16/14-210	13.9	834	3.1	3.7	18	10.6	210	3045	70	1800	5.8	7.8	7.3	ULA201, UL180
P22/28-100	28.3	1698	6.2	7.5	22	18	100	1450	70	1450	5.8	7.8	8.8	UL180/UL221
P21/16-200	15.1	906	3.3	4	16	18	200	2900	70	1450	5.9	7.9	7.8	UL180
P21/23-130	23.1	1386	5.1	6.1	20	18	130	1885	70	1420	5.9	7.9	7.8	UL180
A51/20-160	19.8	1188	4.4	5.2	12	-	160	2320	70	2880	6.1	8.2	12	UL180
NP16/13-220	14.4	864	3.2	3.8	12	14.1	220	3190	60	3450	6.2	8.3	7.3	ULA201, UL180
NP16/15-210	15	900	3.3	4	18	14.1	210	3045	70	1450	6.2	8.3	7.3	ULA201, UL180
P41/58-110 DK	39.7	2382	8.7	10.5	30	26	80	1160	60	750	6.9	9.3	30	UL262*
P22/28-130	28.3	1698	6.2	7.5	22	18	130	1885	70	1450	7.5	10.1	8.8	UL180/UL221
P22/15-280	15.1	906	3.3	4	16	18	280	4060	60	1450	8.6	11.5	8.8	UL180/280
P50/94-110 D	66.8	4008	14.7	17.6	36	40	80	1160	60	570	10.6	14.2	50	UL262*
NP25/25-220	25.2	1512	5.5	6.6	18	24	220	3190	70	1450	11	14.8	16.6	VB80/280

UP TO 5kw

5 - 10kw

11 - 15kw	P31/25-220	25.2	1512	5.5	6.6	20	20	220	3190	70	1420	11	14.8	19	UL180/280
	P31/36-150	36.2	2172	8	9.6	24	20	150	2175	70	1420	11	14.8	19	UL221
	P30/43-130	42.5	2550	9.3	11.2	26	20	130	1885	70	1420	11	14.8	19	UL221
	NP25/30-180	31.4	1884	6.9	8.3	22	20	180	2610	70	1450	11.1	14.9	16.6	UL180/UL221
	NP25/38-150	37.7	2262	8.3	9.9	22	24	150	2175	70	1450	11.1	14.9	16.6	UL221/UL262
	NP25/41-140	40.6	2436	8.9	10.7	25	20	140	2030	70	1450	11.2	15	16.6	UL221/UL262
	NP25/50-120	48.7	2922	10.7	12.8	25	24	120	1740	70	1450	11.5	15.4	16.6	UL262
	NP25/21-280	21	1260	4.6	5.5	18	20	280	4060	70	1450	11.6	15.6	16.6	VB80/280
	NP25/12-500	12.1	726	2.7	3.2	14	20	500	7250	40	1450	12.3	16.5	17	
	P41/58-110	58.2	3492	12.8	15.4	30	26	110	1595	105	1100	13.1	17.6	30	UL262
P41/51-130	51.1	3066	11.2	13.5	28	26	130	1885	70	1100	13.6	18.3	30	UL262	
NP25/70-100	70.1	4206	15.4	18.5	30	24	100	1450	70	1450	13.8	18.5	18		
NP25/15-500	14.5	870	3.2	3.8	14	24	500	7250	40	1450	14.8	19.9	17		
NP25/21-350	20.8	1248	4.6	5.5	18	20	350	5075	70	1450	14.8	19.9	16.6	VB80/400	
P41/33-250	33.7	2022	7.4	8.9	20	26	250	3625	70	1450	17.2	23.1	30	UL262	
P41/48-180	48.6	2916	10.7	12.8	24	26	180	2610	70	1450	17.9	24	30	UL262	
P50/94-110	93.8	5628	20.6	24.7	36	40	110	1595	105	800	20.3	27.2	50	UL262	
P51/135-90	134.1	8046	29.5	35.4	42	42	90	1305	40	800	23.8	31.9	57	UL262	
P52/12-1000	12.8	768	2.8	3.4	12	42	1000	14500	40	1000	26.2	35.2	52	-	
P45/75-180	74.5	4470	16.4	19.7	28	42	180	2610	60	1000	27.4	36.8	50	UL262	
P45/85-160	85.5	5130	18.8	22.6	30	42	160	2320	70	1000	27.9	37.4	50	UL262	
P52/22-600	22.8	1368	5	6	16	42	600	8700	40	1000	27.9	37.4	52	-	
P52/54-270	53.5	3210	11.8	14.1	24	42	270	3915	60	1000	28.3	38	54	UL262	
P52/72-200	72.1	4326	15.8	19	28	42	200	2900	60	1000	28.4	38.1	54	UL262	
P52/17-800	17.5	1050	3.8	4.6	14	42	800	11600	40	1000	28.5	38.3	52	-	
P45/60-250	57	3420	12.5	15	24	42	250	3625	60	1000	29.1	39.1	50	UL262	
P52/120-120	123.1	7386	27.1	32.5	36	42	120	1740	60	1000	29.1	39.1	54	UL262	
P52/30-500	30	1800	6.6	7.9	18	42	500	7250	60	1000	29.5	39.6	64.4	UL500/31H	
P52/100-150	98.3	5898	21.6	25.9	32	42	150	2175	60	1000	29.7	39.9	54	UL262	
P52/37-400	37	2220	8.1	9.8	20	42	400	5800	60	1000	30.2	40.5	54	VB80/400	
P55/165-100 G	164	9840	36	43.3	32	46	100	1450	60	750	33.4	44.8	81	UL300/1, UL500/11H	
P62/90-210	88.9	5334	19.5	23.5	32	48	210	3045	60	800	36.8	49.4	140	UL262/2	
P62/140-150	139	8340	30.5	36.7	40	48	150	2175	60	800	41	55	140	UL500/31H	
P62/175-120	175.9	10554	38.7	46.4	45	48	120	1740	60	800	41.6	55.8	140	UL500/31H	
P55/128-160 G	127.8	7668	28.1	33.7	36	46	160	2320	60	910	41.7	56	81	UL262	
P62/70-300	68.1	4086	15	18	28	48	300	4350	60	800	41.7	56	140	UL500/31H	
P62/50-420	48.5	2910	10.7	12.8	24	48	420	6090	60	800	42.4	56.9	140	UL500/31H	
P55/100-200 G	105	6300	23.1	27.7	45	46	200	2900	60	1000	42.9	57.6	81	UL262	
P71/250-100	249.1	14946	54.7	65.7	55	52	100	1450	60	700	49	65.8	170	UL500/11H	
P71/145-180	145.3	8718	31.9	38.3	42	52	180	2610	60	700	51.5	69.1	170	UL300/2	
P71/90-300	88.5	5310	19.5	23.4	32	52	300	4350	60	750	52.3	70.2	170	UL500/31H	
P71/110-250	107	6420	23.5	28.2	36	52	250	3625	60	700	52.7	70.7	170	UL500/31H	
P71/200-130	205.8	12348	45.2	54.3	50	52	130	1885	60	700	52.7	70.7	170	UL500/11H	
P71/70-400	67.7	4062	14.9	17.9	28	52	400	5800	60	750	53.3	71.5	170	UL500/31H	
P71/40-700	39.6	2376	8.7	10.4	22	52	700	10150	60	750	54.5	73.2	170	-	
P71/50-500	48	2880	10.5	12.7	24	52	500	7250	60	750	57.2	63.4	170	UL500/31H	
P80/400-140	400	24000	88.1	105.7	65	72	140	2030	60	580	106	142.2	320		
P80/340-170	340	20400	74.9	89.8	60	72	170	2465	60	580	110	147.5	320		

\* MAX 90°C \*\* BUILT IN UNLOADER \*\*\* UP TO 400 BAR

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