

Medium Vacuum Performance (Dry Air)

Model Number (Inlet x Outlet Size) measured in inches	Vacuum in inches Hg.		4	8	12	16	20	24	26	26.4	Average Service Liquid Flow USGPM
	Absolute Pressure in Inches Hg.		25.92	21.92	17.92	13.92	9.92	5.92	3.92	3.52	
	Absolute Pressure in mm Hg.		658	557	455	354	252	150	100	89	
	Speed	Horsepower	CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM	
LPH 20103 (1¼ x 1¼)	3500	*1.5	13.6	14.3	14.8	14.7	13.8	11.3	-	-	1.0
	LPH 20105 (1¼ x 1¼)	2	23.5	27.0	29.0	29.5	28.0	22.0	-	-	1.0
		3	29.5	32.0	33.5	34.0	31.7	23.0	-	-	1.1
LPH 3404 (1½ x 1½)	1150	2	20	20	19	17	10	-	-	-	3
	1750	3	40	40	40	40	40	32	-	-	3
LPH 3408 (1½ x 1½)	1150	3	40	40	38	34	23	-	-	-	3
	1750	5	75	75	75	75	74	65	-	-	3
LPH 40412 (1½ x 1½)	1750	7.5	118	118	118	118	117	102	60	-	3
LPH 40517 (2 x 2)	1750	10	164	167	167	167	163	147	105	-	5
LPH 50518 (2½ x 2½)	1150	*7.5	152	153	155	151	142	118	82	70	8
	1750	15	248	250	250	248	240	217	184	170	8
LPH 50523 (2½ x 2½)	1150	10	182	186	187	184	173	142	90	70	7
	1750	20	315	325	330	327	318	288	250	235	7
LPH 60520 (4 x 4)	1150	15	225	232	235	233	218	175	120	-	7
	1450	20	295	300	305	305	300	276	225	175	7
	1750	25	365	365	365	362	352	322	267	220	7
LPH 60527 (4 x 4)	1150	20	283	290	295	295	290	255	150	-	8
	1450	25	395	395	395	395	390	350	285	225	8
	1750	40	470	470	470	470	456	415	350	300	8
LPH 70123 (4 x 4)	880	30	455	455	455	455	440	375	285	259	10
	975	*30	502	502	502	502	483	410	330	295	10
	1030	40	540	540	540	540	520	440	340	300	10
	1150	*40	600	600	600	600	580	485	380	305	10
LPH 70530 (5 x 5)	880	40	590	590	590	590	575	535	450	365	15
	975	*40	685	685	685	675	655	590	485	410	15
	1030	50	735	735	730	720	690	625	520	420	15
	1150	60	825	820	812	795	760	685	545	430	15
LPH 70540 (5 x 5)	880	50	850	850	850	850	830	770	630	500	17
	975	60	913	913	913	913	910	845	700	600	17
	1030	60	985	985	985	985	980	910	770	660	17
	1150	75	1120	1120	1120	1120	1095	1000	825	700	17
LPH 80540 (8 x 8)	700	75	1153	1188	1200	1190	1137	1025	918	875	27
	735	75	1235	1258	1275	1255	1220	1108	980	940	27
	880	100	1437	1470	1475	1466	1425	1320	1168	1120	27
LPH 80553 (8 x 8)	700	100	1490	1532	1560	1565	1550	1425	1210	1150	31
	735	100	1600	1635	1655	1650	1625	1525	1305	1250	31
	880	125	1890	1933	1955	1950	1905	1787	1555	1495	31
LPH 80557 (8 x 8)	575	75	1610	1610	1600	1560	1500	1350	1100	950	24
	680	100	1960	1950	1935	1890	1820	1700	1410	1140	24
	735	125	2130	2125	2115	2080	2015	1880	1580	1440	24
LPH 90554 (10 x 10)	465	100	1610	1610	1590	1560	1500	1354	1120	1000	44
	600	125	2150	2150	2150	2120	2060	1915	1670	1590	44
	700	150	2470	2470	2470	2440	2380	2200	1880	1765	44
LPH 90567 (10 x 10)	465	125	1830	1830	1825	1810	1760	1580	1260	1145	53
	600	150	2650	2650	2650	2640	2590	2420	2150	2060	53
	700	200	2980	2980	2980	2975	2930	2780	2460	2295	53
LPH 10054 (12 x 12)	410	*150	3000	3000	3000	2970	2900	2620	2000	1678	74
	490	*200	3650	3720	3770	3750	3660	3445	3000	2886	74
	565	*250	4300	4300	4300	4280	4200	3930	3500	3357	74
LPH 11055 (14 x 14)	335	250	4240	4240	4240	4230	4130	3710	2600	2060	108
	415	*300	5600	5600	5600	5550	5480	5064	4200	3828	108
	475	400	6300	6300	6300	6260	6150	5770	4900	4416	108

* Horsepower given is for motors with 1.15 service factor only. Use next larger size with 1.0 service factor motors.

This data represents average values for pumps in standard material of construction discharging against atmospheric pressure at sea level. Capacity in cubic feet per minute at inlet pressure for air at 20°C (68°F) and using 15°C (59°F) water as the service liquid. When handling 100% saturated air see performance data on following pages.

Medium Vacuum Performance (Saturated Air)

Model Number (Inlet x Outlet Size) measured in inches	Vacuum in inches Hg.		4	8	12	16	20	24	26	26.4	Average Service Liquid Flow USGPM
	Absolute Pressure in Inches Hg.		25.92	21.92	17.92	13.92	9.92	5.92	3.92	3.52	
	Absolute Pressure in mm Hg.		658	557	455	354	252	150	100	89	
	Speed	Horsepower	CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM	
LPH 20103 (1¼ x 1¼)	3500	*1.5	13.8	14.6	15.2	15.2	14.4	12.2	-	-	1.0
LPH 20105 (1¼ x 1¼)	3500	2	23.9	27.6	29.7	30.5	29.3	23.7	-	-	1.0
LPH 20107 (1¼ x 1¼)	3500	3	30.0	32.7	34.3	35.1	33.1	24.8	-	-	1.1
LPH 3404 (1½ x 1½)	1150	2	20	20	19	18	10	-	-	-	3
	1750	3	41	41	41	41	42	35	-	-	3
LPH 3408 (1½ x 1½)	1150	3	41	41	39	35	24	-	-	-	3
	1750	5	76	77	77	77	77	70	-	-	3
LPH 40412 (1½ x 1½)	1750	7.5	120	120	121	122	122	110	67	-	3
LPH 40517 (2 x 2)	1750	10	167	170	171	172	170	159	118	-	5
LPH 50518 (2½ x 2½)	1150	*7.5	155	156	159	156	148	127	92	80	8
	1750	15	252	255	256	256	251	234	207	194	8
LPH 50523 (2½ x 2½)	1150	10	185	190	192	190	181	153	101	80	7
	1750	20	321	332	338	338	333	311	281	268	7
LPH 60520 (4 x 4)	1150	15	229	237	241	241	228	189	135	-	7
	1450	20	300	306	313	315	314	298	253	199	7
	1750	25	371	373	374	374	368	347	300	251	7
LPH 60527 (4 x 4)	1150	20	288	296	302	305	303	275	168	-	8
	1450	25	402	403	405	408	408	377	320	256	8
	1750	40	478	480	482	485	477	448	393	342	8
LPH 70123 (4 x 4)	880	30	463	464	466	470	460	404	320	295	10
	975	*30	511	512	515	518	505	442	370	336	10
	1030	40	550	551	554	557	544	474	382	342	10
	1150	*40	611	612	615	619	606	523	427	348	10
LPH 70530 (5 x 5)	880	40	600	602	605	609	601	577	505	416	15
	975	*40	697	699	702	697	685	636	544	467	15
	1030	50	748	750	748	743	721	674	584	479	15
	1150	60	840	837	832	821	795	739	612	490	15
LPH 70540 (5 x 5)	880	50	865	868	871	877	868	830	707	570	17
	975	60	929	932	936	942	951	911	786	684	17
	1030	60	1002	1005	1010	1017	1025	981	864	752	17
	1150	75	1140	1143	1148	1156	1145	1078	926	798	17
LPH 80540 (8 x 8)	700	75	1173	1213	1230	1228	1189	1105	1030	997	27
	735	75	1257	1284	1307	1296	1276	1195	1100	1072	27
	880	100	1462	1500	1512	1513	1490	1423	1311	1277	27
LPH 80553 (8 x 8)	700	100	1516	1564	1599	1616	1621	1537	1358	1311	31
	735	100	1628	1669	1697	1703	1699	1645	1465	1425	31
	880	125	1923	1973	2004	2013	1992	1927	1745	1704	31
LPH 80557 (8 x 8)	575	75	1638	1643	1640	1610	1568	1456	1235	1083	24
	680	100	1994	1990	1984	1951	1903	1833	1583	1299	24
	735	125	2167	2169	2168	2147	2107	2027	1774	1641	24
LPH 90554 (10 x 10)	465	100	1638	1643	1630	1610	1568	1460	1257	1140	44
	600	125	2188	2195	2204	2188	2154	2065	1875	1812	44
	700	150	2513	2521	2532	2519	2489	2372	2110	2012	44
LPH 90567 (10 x 10)	465	125	1862	1868	1871	1868	1840	1704	1414	1305	53
	600	150	2697	2705	2717	2725	2708	2610	2413	2348	53
	700	200	3032	3042	3055	3071	3064	2998	2761	2616	53
LPH 10054 (12 x 12)	410	*150	3053	3062	3076	3066	3032	2825	2245	1913	74
	490	*200	3714	3797	3865	3871	3827	3715	3368	3290	74
	565	*250	4376	4389	4408	4418	4392	4238	3929	3827	74
LPH 11055 (14 x 14)	335	250	4315	4328	4347	4367	4318	4001	2919	2348	108
	415	*300	5699	5716	5741	5729	5730	5461	4715	4364	108
	475	400	6411	6430	6459	6462	6430	6222	5500	5034	108

* Horsepower given is for motors with 1.15 service factor only. Use next larger size with 1.0 service factor motors.

This data represents average values for pumps in standard material of construction discharging against atmospheric pressure at sea level. Capacity in cubic feet per minute at inlet pressure for air with 100% saturation at 20°C (68°F) and using 15°C (59°F) water as the service liquid. When handling saturated air at higher temperatures the capacity of vacuum pumps will increase substantially; performance is available upon application.