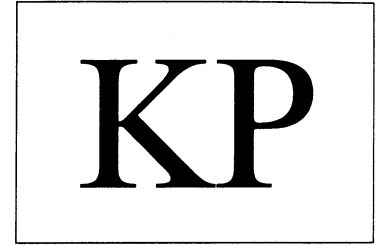




PROCESS EQUIPMENT INC.

PERFORMANCE CURVES



MODEL KP326. KPi50160, KPj50160

3550 RPM, 1750 RPM, 2950 RPM and 1450 RPM

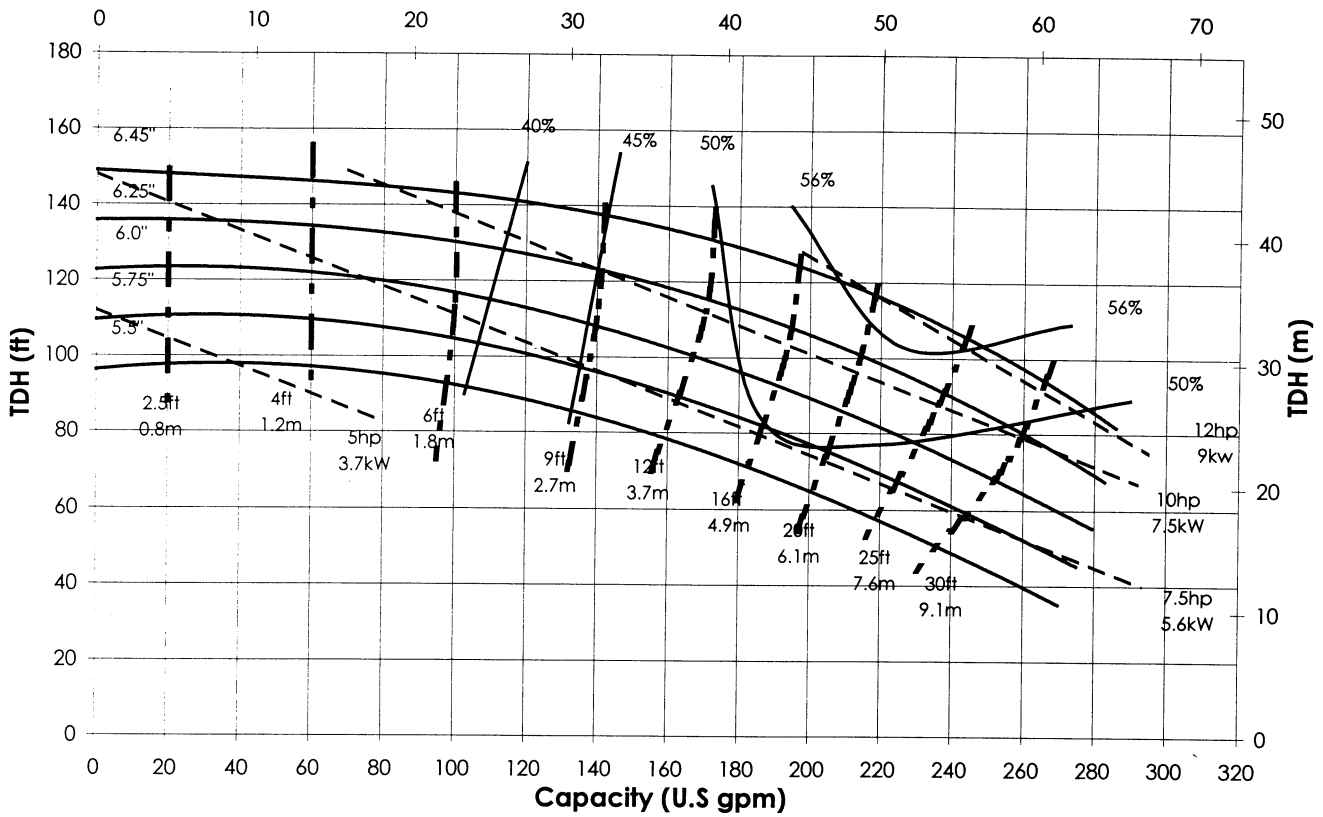
Issued November 1, 2000



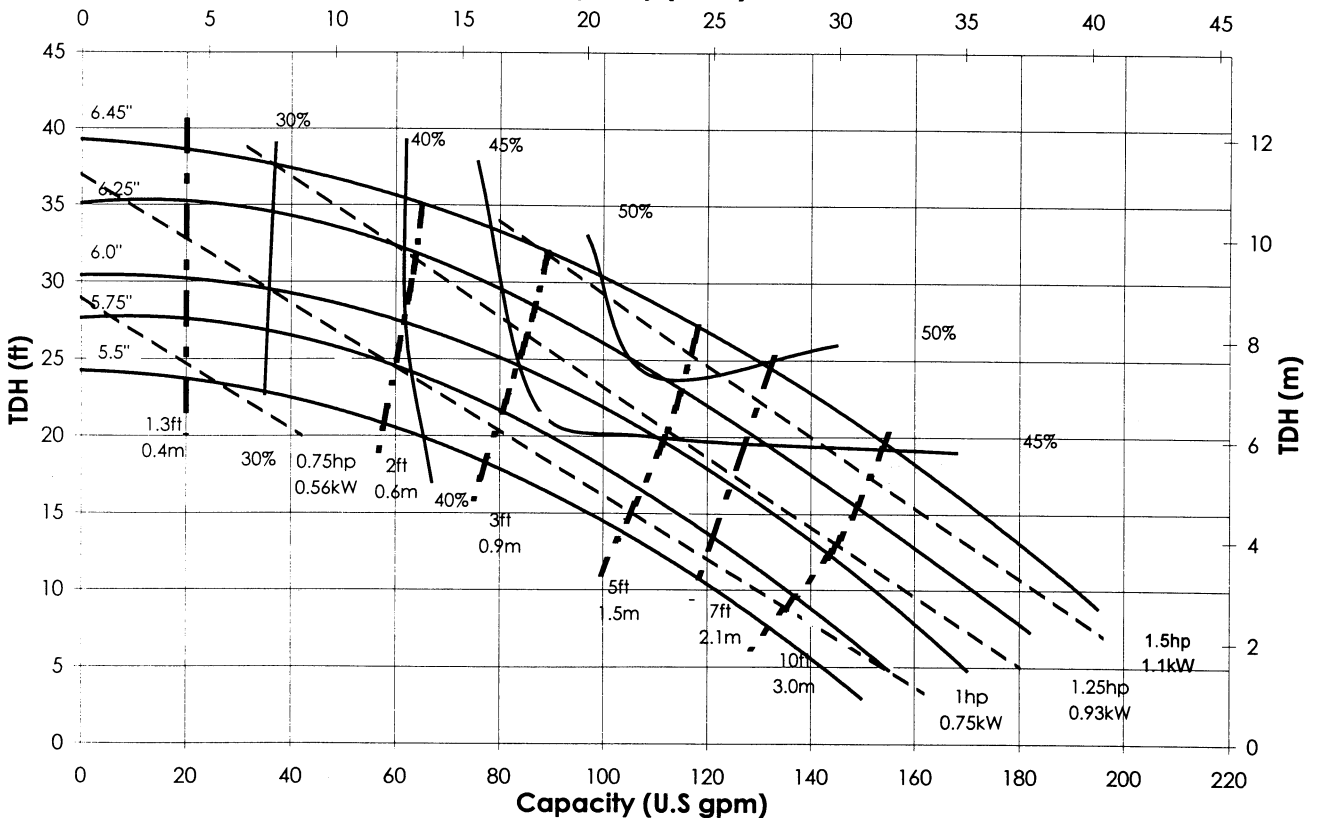
Simple by Design.™

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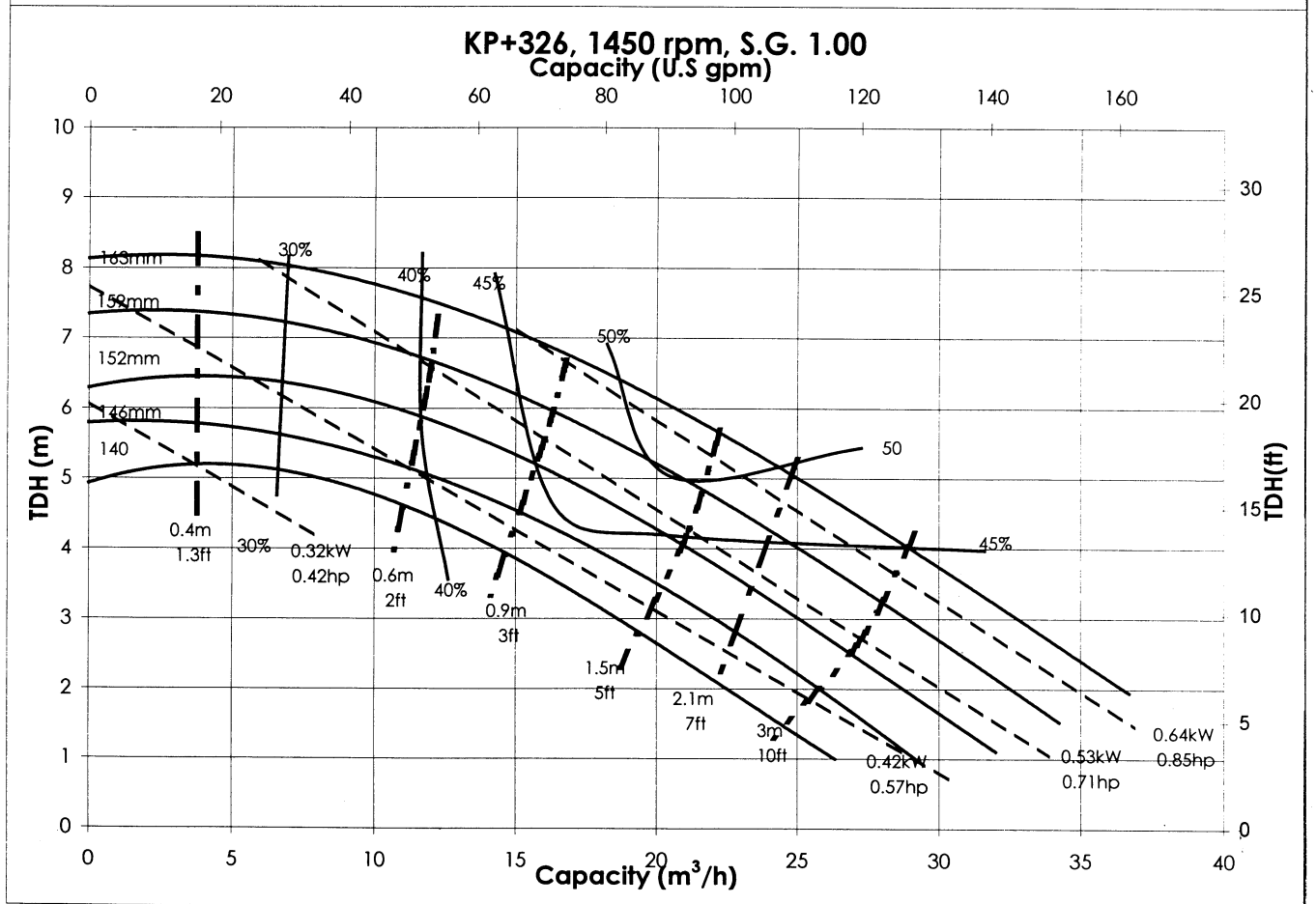
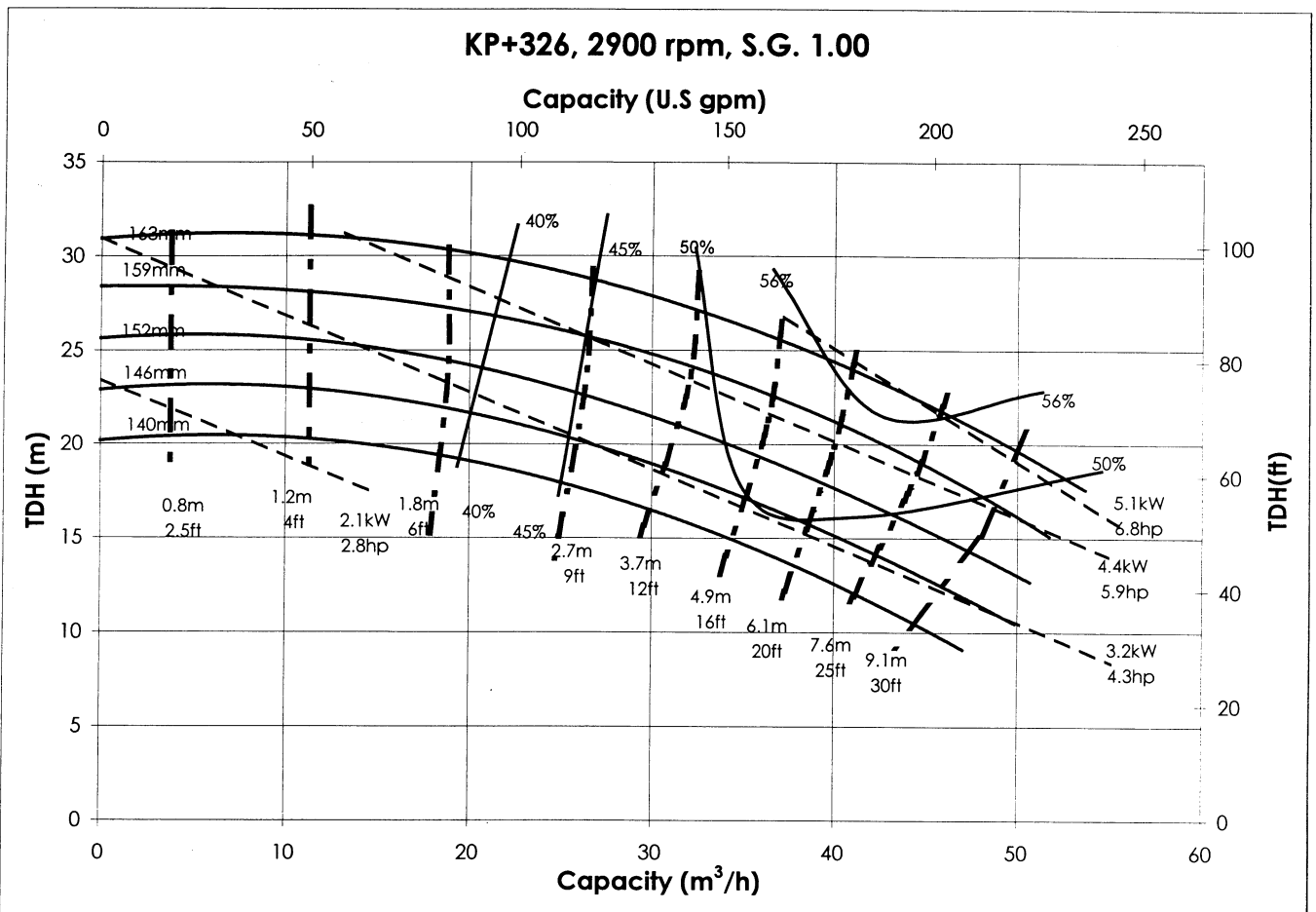
KP+326, 3500 rpm, S.G. 1.00
Capacity (m³/h)



KP+326, 1750 rpm, S.G. 1.00
Capacity (m³/h)



NPSHR based on 3% head drop, with 6.45 in impeller. Recommended minimum safety margin, add 2ft.



NPSHR based on 3% head drop. Recommended minimum safety margin, add 2ft.

12/16/97

UNIT CONVERSIONS

Flow (capacity)

gpm (US)	m ³ /h	l/min	gpm (UK)
1	0.2271	3.785	0.8327
4.403	1	16.6	3.666
0.2642	0.06	1	0.2200
1.201	0.2727	4.5458	1

$GPM (US) \times 0.2271 = m^3/h$ $l/min \times 0.2642 = GPM (US)$
 $m^3/h \times 4.403 = GPM (US)$ $GPM (US) \times 3.785 = l/min$
 $m^3/h \times 16.6 = l/min$ $l/min \times 0.06 = m^3/h$

Head (pressure / vacuum)

Ft (H ² O)	m (H ² O)	PSI	Kg/cm ²	Kpa	inch Hg	mmHg	bar
1	0.3048	0.4335	0.03048	2.989	0.8851	22.48	0.02987
3.281	1	1.422	0.100	9.807	2.904	73.76	0.3685
2.307	0.7031	1	0.07031	6.895	2.042	51.87	0.0690
32.83	10.01	14.23	1	98.07	29.04	737.6	3.685
0.3349	0.1020	0.1450	0.01020	1	0.2961	7.521	0.01
1.132	0.3450	0.491	0.03443	3.377	1	25.4	0.0339
0.04457	0.5339	0.01933	0.001356	0.1330	0.03937	1	0.005
33.5	2.714	14.50	0.2714	100	29.5	200	1

$Ft (in water) \times 0.3048 = m (in water)$ $PSI \times 2.307 = Ft (in water)$
 $m (in water) \times 3.2808 = Ft (in water)$ $Ft (in water) \times .433 = PSI$
 $Kg/cm^2 \times 32.8 = Ft (in water)$ $PSI \times 6.895 = KPa$
 $Ft (in water) \times .03049 = Kg/cm^E$ $KPa \times 0.1450 = PSI$

Volume

Ft ³	m ³	liter	gallon (US)	gallon (UK)	Lbs of water
1	0.02832	28.32	7.481	6.229	62.44
35.31	1	1000	264.2	220.00	2205
0.03531	0.001	1	0.2642	0.2200	2.204
0.1337	0.003785	3.785	1	0.8327	8.347
0.1606	0.004545	4.548	1.201	1	10.025
0.01620	0.0004537	0.4537	.1198	0.09975	1

Temperature Conversions

°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	Δ°F	Δ°C
-60	-51	0	-18	60	15.6	120	48.9	180	82.2	240	116	300	149	360	182	1	0.6
-55	-48	5	-15	65	18.3	125	51.7	185	85.0	245	118	305	152	365	185	2	1.1
-50	-46	10	-12	70	21.1	130	54.4	190	87.8	250	121	310	154	370	188	3	1.7
-45	-43	15	-9.4	75	23.9	135	57.2	195	90.6	255	124	315	157	375	191	4	2.2
-40	-40	20	-6.7	80	26.7	140	60.0	200	93.3	260	127	320	160	380	193	5	2.8
-35	-37	25	-3.9	85	29.4	145	62.8	205	96.1	265	129	325	163	385	196	6	3.3
-30	-34	30	-1.1	90	32.2	150	65.6	210	98.9	270	132	330	166	390	199	7	3.9
-25	-32	35	1.67	95	35.0	155	68.3	215	102	275	135	335	168	395	202	8	4.4
-20	-29	40	4.44	100	37.8	160	71.1	220	104	280	138	340	171	400	204	9	5.0
-15	-26	45	7.22	105	40.6	165	73.9	225	107	285	141	345	174	405	207	10	5.6
-10	-23	50	10.0	110	43.3	170	76.7	230	110	290	143	350	177	410	210	11	6.1
-5	-21	55	12.8	115	46.1	175	79.4	235	113	295	146	355	179	415	213	12	6.7

$°F = (9/5) \times °C + 32$ $°C = (5/9) \times (°F - 32)$

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