

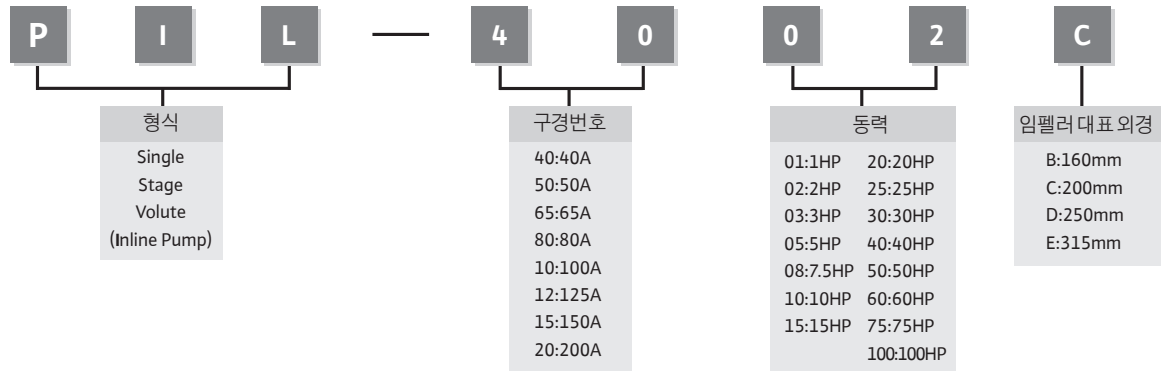
In-Line Pumps

PIL Series

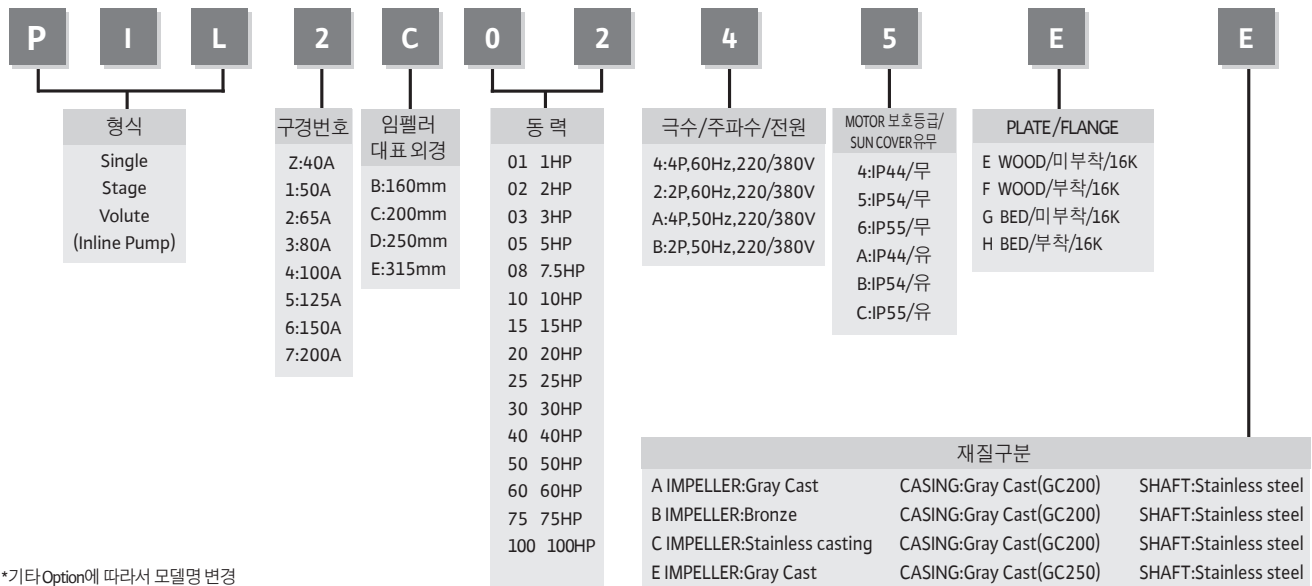
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PIL Series 모델명

대표 모델명



모델명



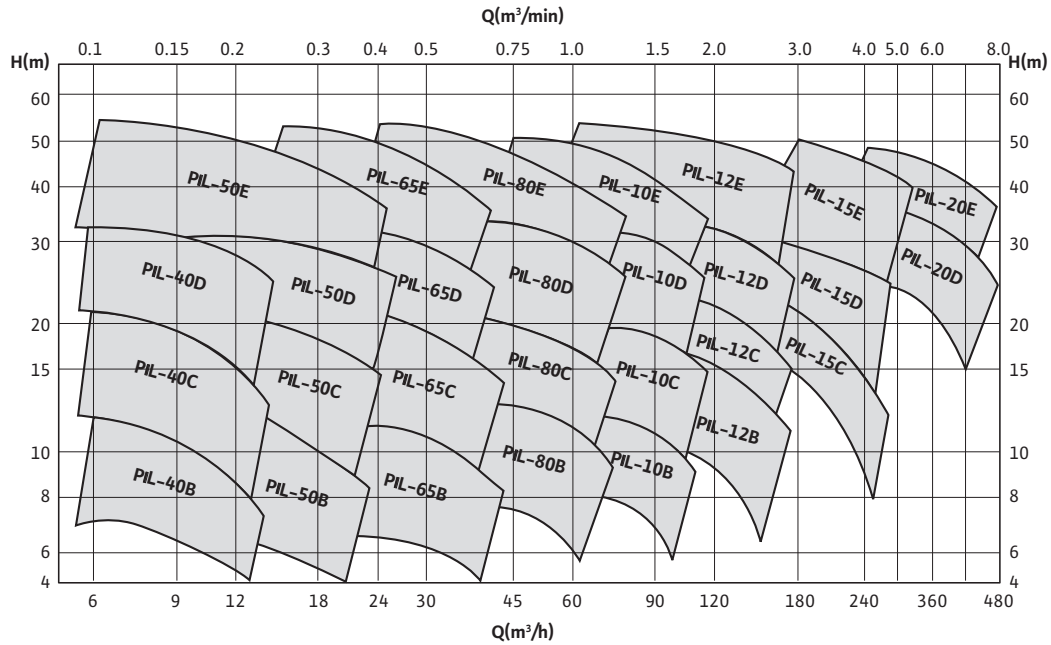
In-Line Pumps

PIL Series

PIL Series

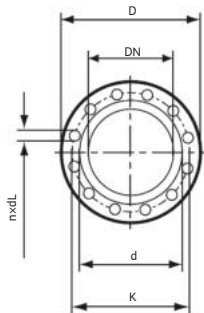
선정도 및 플랜지 규격

선정도



플랜지 규격

KS Flange



구분	DN	D	d	K	n	dL	볼트
10kgf/cm ²	32	135	76	100	4	19	M16
	40	140	81	105	4	19	M16
	50	155	96	120	4	19	M16
	65	175	116	140	4	19	M16
	80	185	126	150	8	19	M16
	100	210	151	175	8	19	M16
	125	250	182	210	8	23	M20
	150	280	212	240	8	23	M20
	200	330	262	290	12	23	M20
	250	400	324	355	12	25	M22
16kgf/cm ² (표준)	300	445	368	400	16	25	M22
	32	135	76	100	4	19	M16
	40	140	81	105	4	19	M16
	50	155	96	120	8	19	M16
	65	175	116	140	8	19	M16
	80	200	132	160	8	23	M20
	100	225	160	185	8	23	M20
	125	270	195	225	8	25	M22
	150	305	230	260	12	25	M22
	200	350	275	305	12	25	M22
20kgf/cm ²	250	430	345	380	12	27	M24
	300	480	395	430	16	27	M24
	32	135	76	100	4	19	M16
	40	140	81	105	4	19	M16
	50	155	96	120	8	19	M16
	65	175	116	140	8	19	M16
	80	200	132	160	8	23	M20
	100	225	160	185	8	23	M20
	125	270	195	225	8	25	M22
	150	305	230	260	12	25	M22
	200	350	275	305	12	25	M22
	250	430	345	380	12	27	M24
	300	480	395	430	16	27	M24

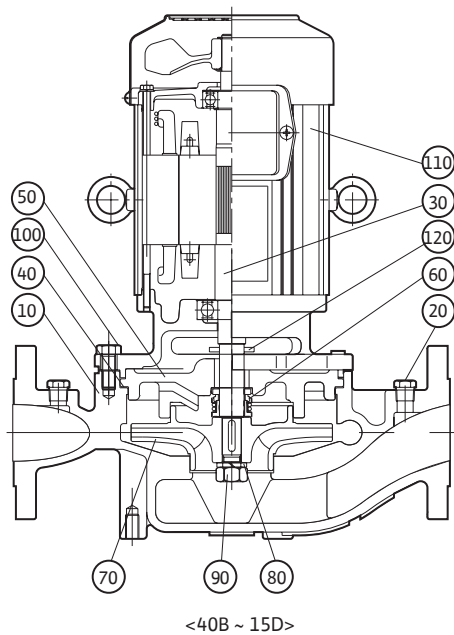
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단면도

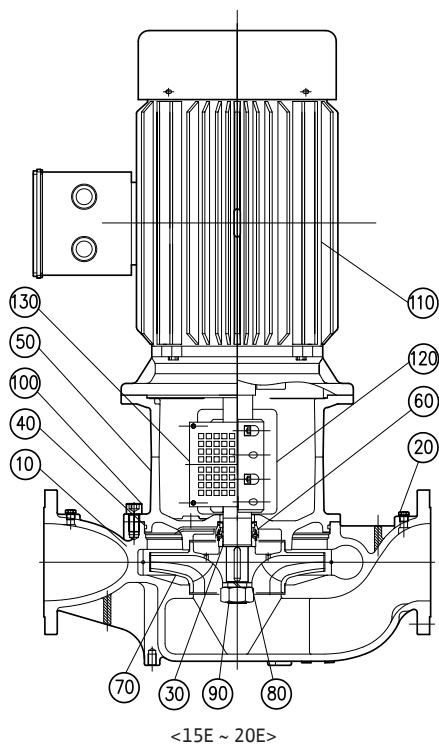


단면도

	품명	표준
10	케이싱 (Casing)	Gray Cast Iron
20	플러그 (Plug)	Steel
30	축 (Shaft)	Stainless Steel
40	케이싱 가스켓 (Casing Gasket)	Rubber
50	케이싱 커버 (Casing Cover)	Gray Cast Iron
60	미캐니컬 실 (M/Seal)	SiC/Carbon
70	임펠러 (Impeller)	Gray Cast Iron *(Bronze, Stainless Steel Casting)
80	와셔 (Washer)	STS304
90	너트 (Nut)	Steel
100	볼트 (Bolt)	Steel
110	모터 (Motor)	-
120	물막음턱 (Deflector)	Rubber

※*는 선택가능 재질

※MOTOR의 Option은 영업 또는 공장에 문의



단면도

	품명	표준
10	케이싱 (Casing)	Gray Cast Iron
20	플러그 (Plug)	Steel
30	축 (Shaft)	Stainless Steel
40	케이싱 오링 (Casing O-ring)	Rubber
50	랜턴 (Lantern)	Gray Cast Iron
60	미캐니컬 실 (M/Seal)	SiC/Carbon
70	임펠러 (Impeller)	Gray Cast Iron *(Bronze, Stainless Steel Casting)
80	임펠러 와셔 (Impeller Washer)	STS304
90	임펠러 너트 (Impeller Nut)	Steel
100	소켓볼트 (Socket Bolt)	Steel
110	모터 (Motor)	-
120	커플링 (Coupling)	Steel
130	커플링 가드 (Coupling Guard)	Steel

In-Line Pumps

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제품사양

인라인 펌프의 장점

1. 케이싱

- 흡입구에 정류판을 설치하여 흡입성능을 향상시키고, 순환수의 와류 및 케비테이션 감소
- 16kgf/cm² 또는 20kgf/cm² (option)으로 가압조건에 사용가능
단, 수격현상(워터해머)에 대해서는 보증하지 않음
- 흡입, 토출측에 압력을 측정 할 수 있도록 Plug(3/8", 1/4")가 장착
- 지상설치가 가능하도록 Tap이 설치
- 운전 정지시 펌프 내부에 유체를 제거 하도록 드레인 Plug(3/8")가 장착

2. 임펠러

- Shell Core 주조법으로 수로부가 깨끗하여 유체의 흐름 손실 감소
- CAD에 의한 3차원 Vane으로 양수성능이 우수
- STS304 재질의 임펠러 고정용 와셔는 내부식성이 우수

3. 미캐니컬실

- Carbon/Silicon Carbide 재질을 기본으로 장착하고 있어, 순환수 수온 120°C, Glycol 20%, 최대 40%까지 Option으로 사용 가능
- 일시적인 역회전에서도 누수가 되지 않음
- 케이싱 커버에 형성된 자체 Flushing 구멍은 윤활, 냉각 작용을 향상
- 임펠러에 의해 고정되어 분해, 조립이 간편

4. 모터

- 알루미늄 프레임(10HP 이하)을 적용하여 외관이 깨끗하고 열발산이 잘 되도록 냉각핀이 형성
- 16kgf/cm² 또는 20kgf/cm²의 운전에도 견딜 수 있는 option모델 공급 가능하며, 밀폐형 볼 베어링을 장착
- Shaft의 재질을 STS410으로 채용하여 내식성을 향상

Model	구경 (흡입X토출)	동력	
		(HP)	(kW)
PIL-4001B	40X40	1	0.75
PIL-4002B	40X40	2	1.5
PIL-5001B	50X50	1	0.75
PIL-5002B	50X50	2	1.5
PIL-6502B	65X65	2	1.5
PIL-6503B	65X65	3	2.2
PIL-8003B	80X80	3	2.2
PIL-8005B	80X80	5	3.7
PIL-1005B	100X100	5	3.7
PIL-1008B	100X100	7.5	5.5
PIL-1208B	125X125	7.5	5.5
PIL-1210B	125X125	10	7.5
PIL-4002C	40X40	2	1.5
PIL-5003C	50X50	3	2.2
PIL-6503C	65X65	3	2.2
PIL-6505C	65X65	5	3.7
PIL-8005C	80X80	5	3.7
PIL-8008C	80X80	7.5	5.5
PIL-8010C	80X80	10	7.5
PIL-1008C	100X100	7.5	5.5
PIL-1010C	100X100	10	7.5
PIL-1210C	125X125	10	7.5
PIL-1215C	125X125	15	11
PIL-1515C	150X150	15	11
PIL-1520C	150X150	20	15
PIL-1525C	150X150	25	18.5
PIL-4003D	40X40	3	2.2
PIL-4005D	40X40	5	3.7
PIL-5005D	50X50	5	3.7
PIL-5008D	50X50	7.5	5.5
PIL-6505D	65X65	5	3.7
PIL-6508D	65X65	7.5	5.5
PIL-8008D	80X80	7.5	5.5
PIL-8010D	80X80	10	7.5
PIL-8015D	80X80	15	11
PIL-1010D	100X100	10	7.5
PIL-1015D	100X100	15	11
PIL-1020D	100X100	20	15
PIL-1215D	125X125	15	11
PIL-1220D	125X125	20	15
PIL-1225D	125X125	25	18.5
PIL-1230D	125X125	30	22
PIL-1525D	150X150	25	18.5
PIL-1530D	150X150	30	22
PIL-1540D	150X150	40	30
PIL-2040D	200X200	40	30
PIL-2050D	200X200	50	37
PIL-2060D	200X200	60	45
PIL-5008E	50X50	7.5	5.5
PIL-5010E	50X50	10	7.5
PIL-5015E	50X50	15	11
PIL-6510E	65X65	10	7.5
PIL-6515E	65X65	15	11
PIL-8015E	80X80	15	11
PIL-8020E	80X80	20	15
PIL-8025E	80X80	25	18.5
PIL-1020E	100X100	20	15
PIL-1025E	100X100	25	18.5
PIL-1030E	100X100	30	22
PIL-1230E	125X125	30	22
PIL-1240E	125X125	40	30
PIL-1540E	150X150	40	30
PIL-1550E	150X150	50	37
PIL-1560E	150X150	60	45
PIL-1575E	150X150	75	55
PIL-2060E	200X200	60	45
PIL-2075E	200X200	75	55
PIL-20100E	200X200	100	75

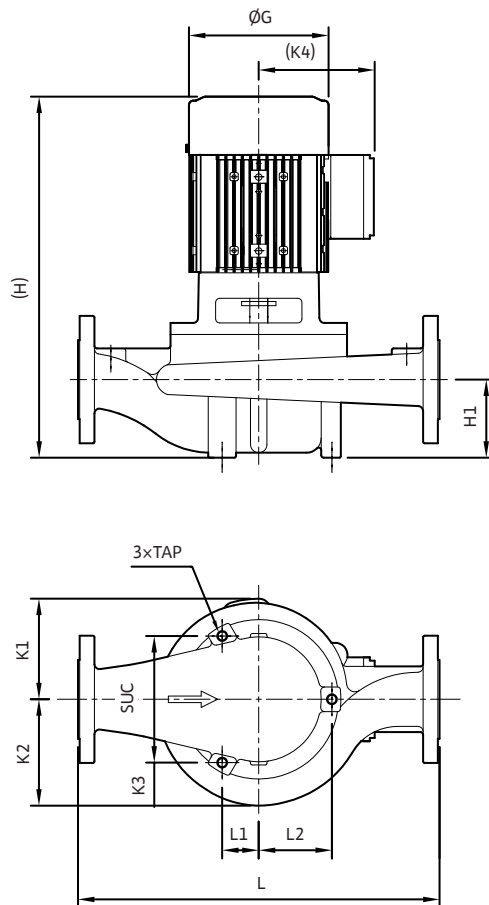
In-Line Pumps

PIL Series

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PIL Series

외형도 및 치수



외형치수도

Model	H	H1	K1	K2	K3	K4	L	L1	L2	ØG	TAP	Wt. (kg)
PIL-4001B	435	90	123	123	139	142	390	40	80	170	M12	49
PIL-4002B	481	90	123	123	139	154	390	40	80	196	M12	58
PIL-5001B	440	95	123	130	154	142	440	45	89	170	M12	50
PIL-5002B	486	95	123	130	154	154	440	45	89	196	M12	59
PIL-6502B	503	110	123	138	154	154	474	45	89	196	M12	65
PIL-6503B	553	110	123	138	154	151	474	45	89	196	M12	72
PIL-8003B	582	130	131	155	170	151	524	49	95	196	M12	74
PIL-8005B	634	130	131	155	170	192	524	49	95	255	M12	75
PIL-1005B	659	150	138	171	195	192	574	55	110	255	M12	103
PIL-1008B	719	150	138	171	195	227	574	55	110	282	M12	120
PIL-1208B	760	185	167	211	250	227	652	72	144	282	M16	135
PIL-1210B	760	185	167	211	250	227	652	72	144	282	M16	140
PIL-4002C	478	90	145	145	130	154	390	30	0	196	M12	58
PIL-5003C	533	100	145	149	154	151	440	60	85	196	M12	73
PIL-6503C	550	110	149	167	154	151	475	60	85	196	M12	79
PIL-6505C	596	110	149	167	154	192	475	60	85	255	M12	81
PIL-8005C	629	130	157	180	170	192	500	65	95	255	M12	90
PIL-8008C	689	130	157	180	170	227	500	65	95	282	M12	103
PIL-1008C	721	150	155	184	195	227	550	55	110	282	M12	109
PIL-1010C	721	150	155	184	195	227	550	55	110	282	M12	117
PIL-1210C	732	165	168	207	250	227	652	72	144	282	M16	140
PIL-1215C	767	165	168	207	250	289	652	72	144	319	M16	183
PIL-1515C	794	185	184	234	286	289	750	83	165	319	M16	203
PIL-1520C	794	185	184	234	286	289	750	83	165	319	M16	235
PIL-1525C	818	185	184	234	286	309	750	83	165	359	M16	275
PIL-4003D	524	90	176	176	154	151	474	45	89	196	M12	80
PIL-4005D	580	90	176	176	154	192	474	45	89	255	M12	82
PIL-5005D	591	100	176	176	154	192	474	45	89	255	M12	77
PIL-5008D	652	100	176	176	154	227	474	45	89	282	M12	90
PIL-6505D	607	115	176	176	195	192	524	55	110	255	M12	89
PIL-6508D	668	115	176	176	195	227	524	55	110	282	M12	102
PIL-8008D	702	130	176	194	195	227	550	55	110	282	M12	115
PIL-8010D	702	130	176	194	195	227	550	55	110	282	M12	120
PIL-8015D	736	130	176	194	195	289	550	55	110	319	M12	173
PIL-1010D	726	140	186	212	225	227	620	65	130	282	M12	130
PIL-1015D	760	140	186	212	225	289	620	65	130	319	M12	173
PIL-1020D	760	140	186	212	225	289	620	65	130	319	M12	178
PIL-1215D	776	165	182	213	250	289	700	72	144	319	M16	180
PIL-1220D	776	165	182	213	250	289	700	72	144	319	M16	215
PIL-1225D	801	165	182	213	250	309	700	72	144	359	M16	263
PIL-1230D	801	165	182	213	250	309	700	72	144	359	M16	281
PIL-1525D	841	200	198	241	286	309	750	83	165	359	M16	277
PIL-1530D	841	200	198	241	286	309	750	83	165	359	M16	294
PIL-1540D	908	200	198	241	286	317	750	83	165	358	M16	400
PIL-5008E	665	110	203	203	195	227	524	55	110	282	M12	108
PIL-5010E	665	110	203	203	195	227	524	55	110	282	M12	110
PIL-5015E	690	110	203	203	195	289	524	55	110	319	M12	163
PIL-6510E	686	130	203	212	195	289	600	55	110	282	M12	112
PIL-6515E	720	130	203	212	195	289	600	55	110	319	M12	172
PIL-8015E	750	150	203	218	195	289	650	55	110	319	M12	193
PIL-8020E	750	150	203	218	195	289	650	55	110	319	M12	215
PIL-8025E	774	150	203	218	195	309	650	55	110	359	M12	257
PIL-1020E	755	165	205	223	225	289	700	65	130	319	M12	215
PIL-1025E	779	165	205	223	225	309	700	65	130	359	M12	265
PIL-1030E	779	165	205	223	225	309	700	65	130	359	M12	278
PIL-1230E	804	185	220	246	250	309	700	72	144	359	M16	294
PIL-1240E	860	185	220	246	250	317	700	72	144	358	M16	492

※상기치수는 성능 향상 및 공급처에 따라 변경 가능

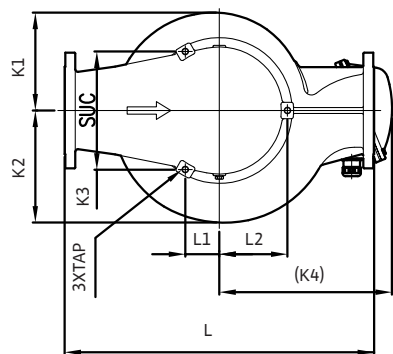
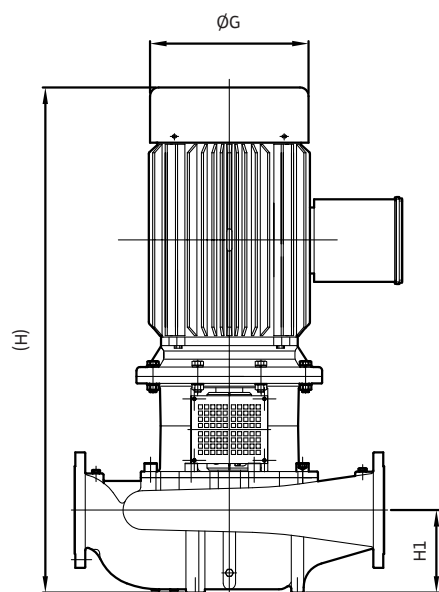
※()는 부속 모터에 따라 차이가 있으며, 참고 치수

In-Line Pumps

PIL Series

PIL Series

외형도 및 치수



외형치수도

Model	H	H1	K1	K2	K3	K4	L	L1	L2	ØG	TAP	Wt. (kg)
PIL-1540E	1112	200	238	272	286	317	750	83	165	358	M16	495
PIL-1550E	1187	200	238	272	286	409	750	83	165	402	M16	535
PIL-1560E	1187	200	238	272	286	409	750	83	165	402	M16	520
PIL-1575E	1209	200	238	272	286	443	750	83	165	445	M16	600
PIL-2040D	1176	240	251	309	395	317	905	114	228	358	M16	540
PIL-2050D	1240	240	251	309	395	409	905	114	228	402	M16	575
PIL-2060D	1240	240	251	309	395	409	905	114	228	402	M16	560
PIL-2060E	1236	240	271	332	395	409	905	114	228	402	M16	590
PIL-2075E	1258	240	271	332	395	443	905	114	228	445	M16	670
PIL-20100E	1328	240	271	332	395	480	905	114	228	513	M16	770

※상기치수는 성능 향상 및 공급처에 따라 변경 가능
※()는 부착 모터에 따라 차이가 있으며, 참고 치수

In-Line Pumps

PIL Series

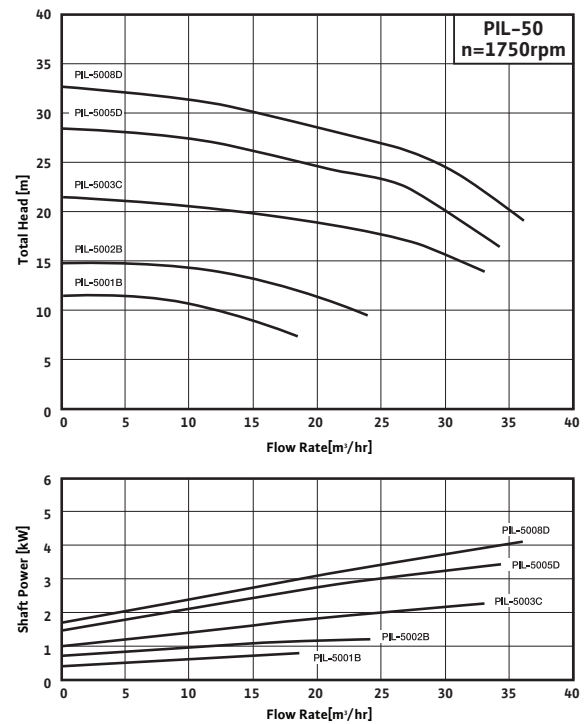
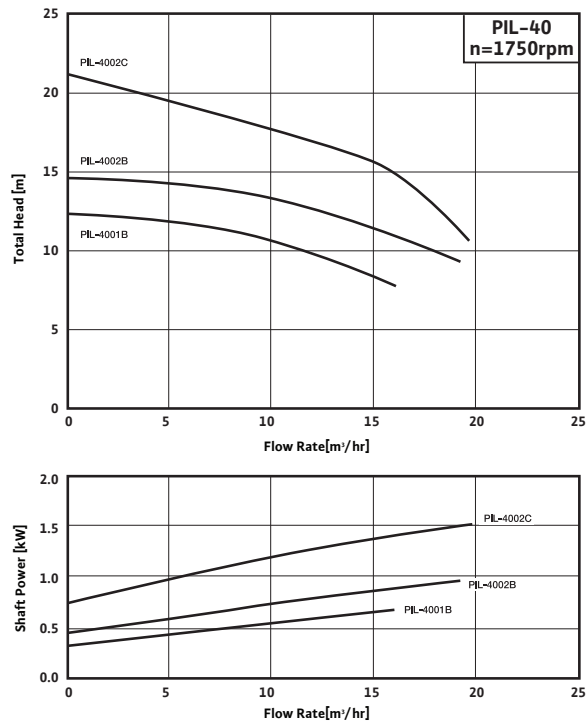
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PIL Series

성능곡선

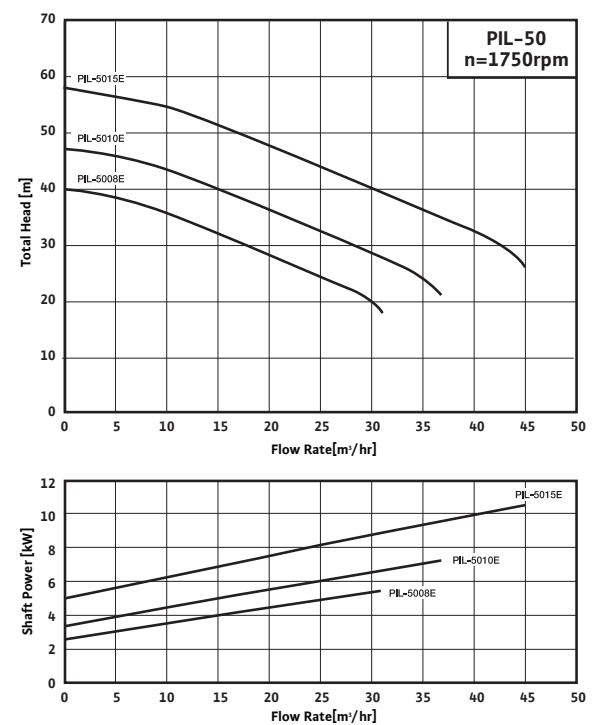
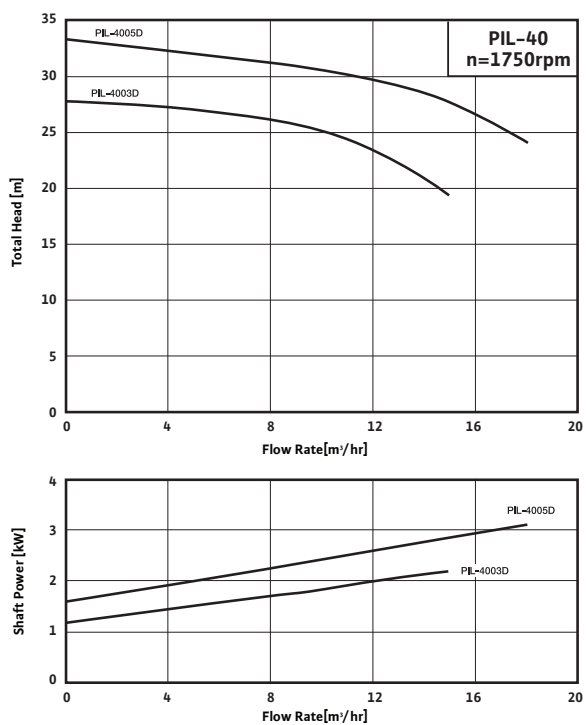
PIL- 4001B~PIL- 4002C

PIL- 5001B~PIL- 5008D



PIL- 4003D~PIL- 4005D

PIL- 5008E~PIL- 5015E



In-Line Pumps

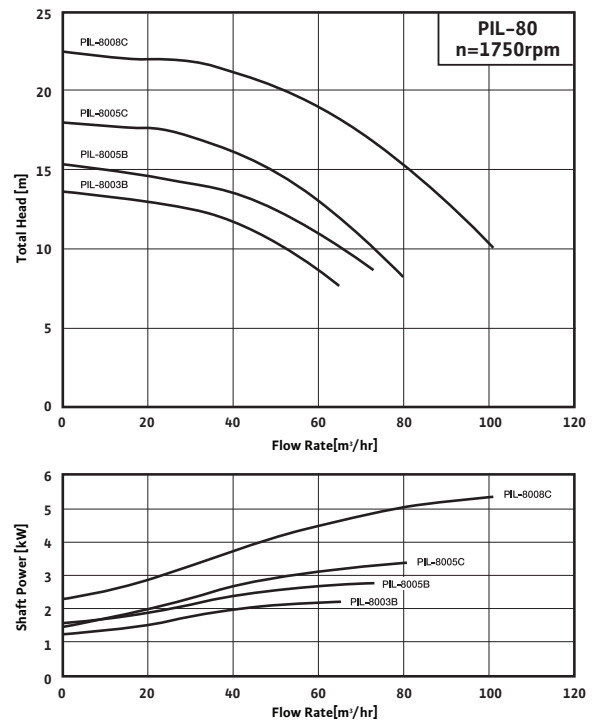
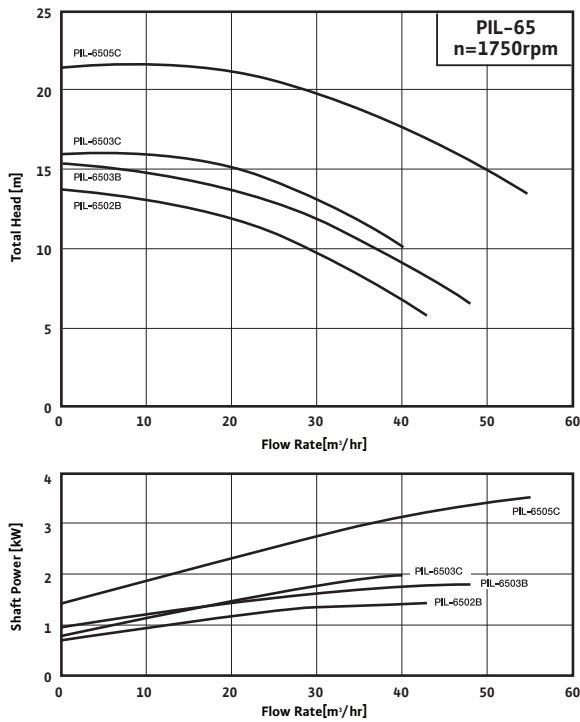
PIL Series

PIL Series

성능곡선

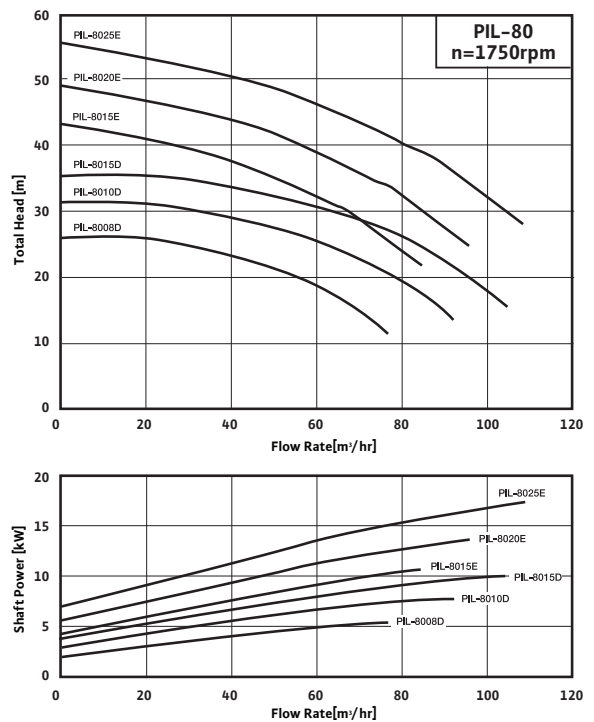
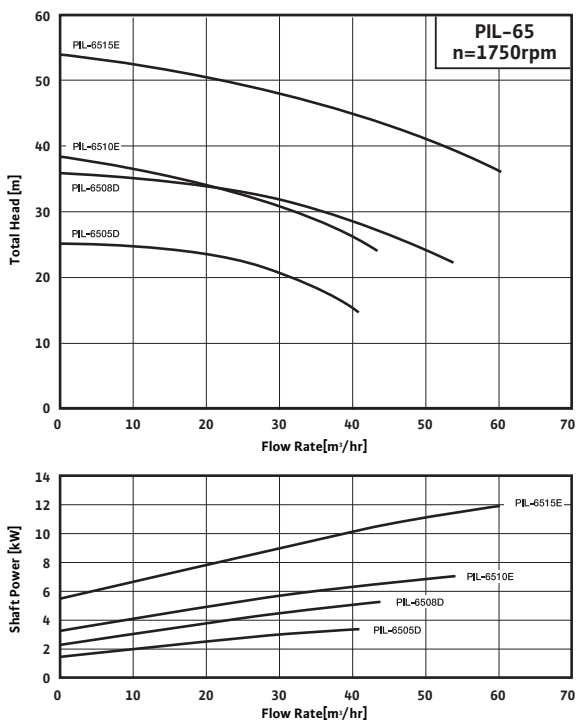
PIL- 6502B~PIL- 6505C

PIL- 8003B~PIL- 8008C



PIL- 6505D~PIL- 6515E

PIL- 8008D~PIL- 8025E



In-Line Pumps

PIL Series

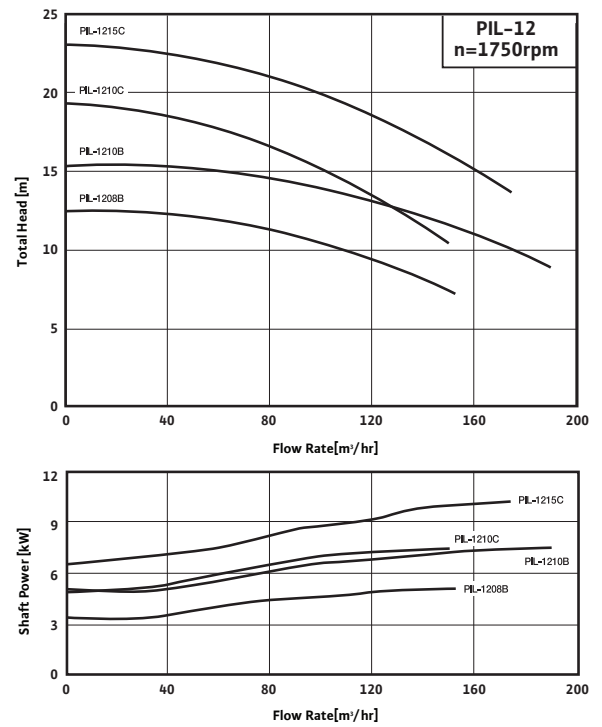
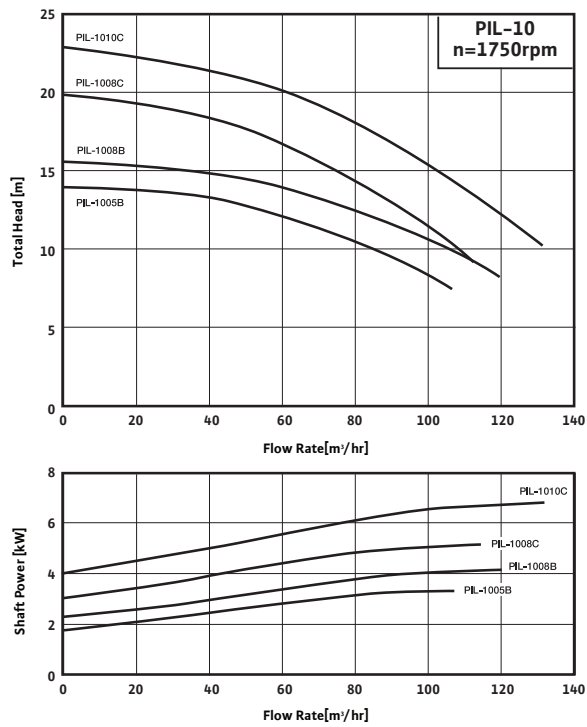
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PIL Series

성능곡선

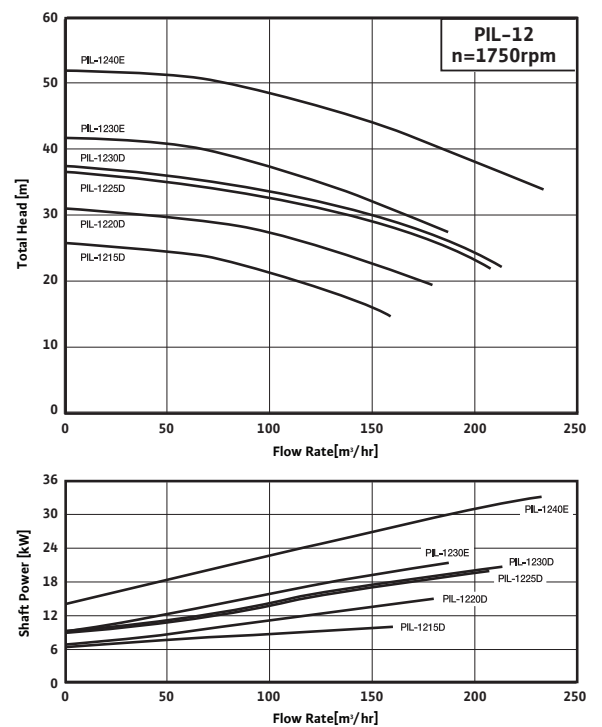
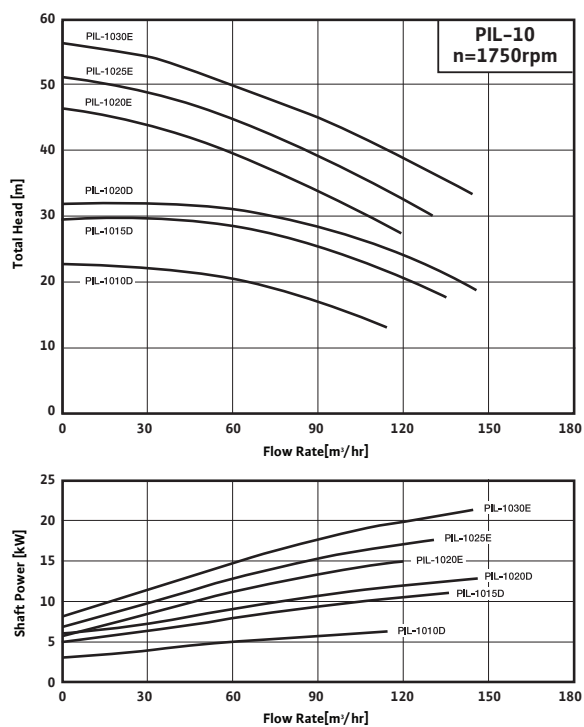
PIL- 1005B~PIL- 1010C

PIL- 1208B~PIL- 1215C



PIL- 1010D~PIL- 1030E

PIL- 1215D~PIL- 1240E



In-Line Pumps

In-Line Pumps

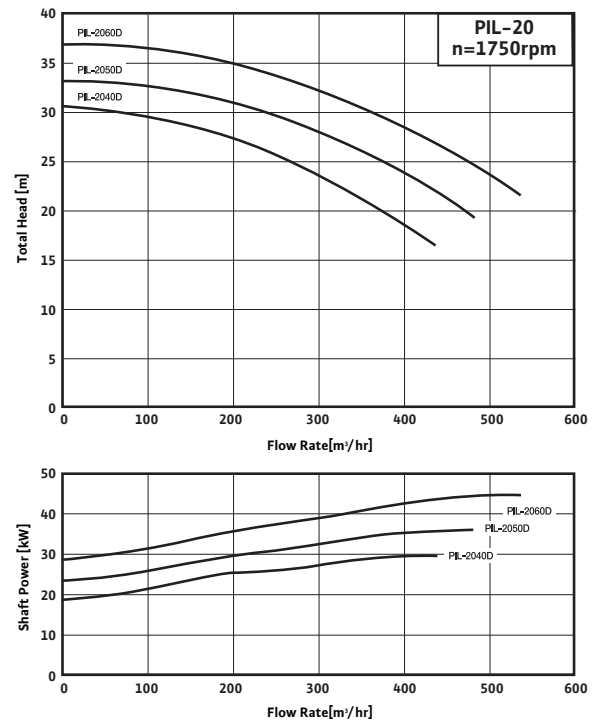
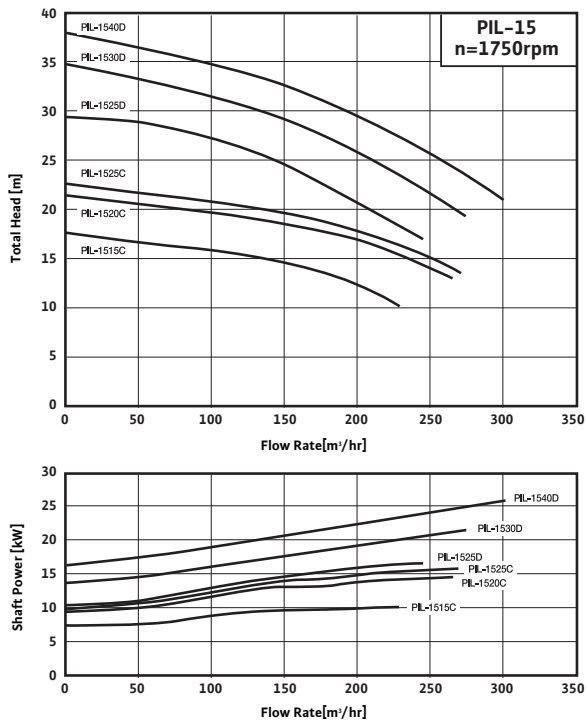
PIL Series

PIL Series

성능곡선

PIL- 1515C~PIL- 1540D

PIL- 2040D~PIL- 2060D



PIL- 1540E~PIL- 1575E

PIL- 2060E~PIL- 20100E

