

GCC 직결식 단단 벌류트 펌프
CLOSE COUPLED VOLUTE PUMP

용도 및 적용 분야 / Usages and Applications

- 일반 산업용, 급수 시설용, 가정용수 공급용
- 화학공업용 (산, 알카리, 기름등)
- 축양장용 (염분)
- 관개용수용, 선박용, 드레인용

- For general industries, waterworks, and household water supply
- For chemical industry (acid, alkali, oil, etc.)
- For fish holders (salinity)
- For irrigation water, ships, and drainage

설계 및 구조적 특징 / Design and Operation Features

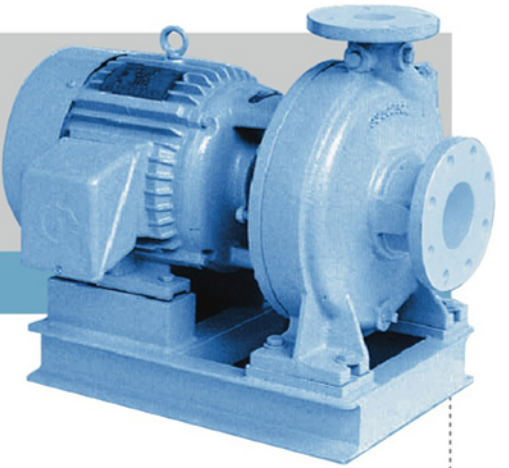
- 직결식이므로 진동이 적고 취급이 간단합니다.
- 적은 전력으로 풍부한 유량, 에너지 절감이 탁월합니다. – 고효율
- 배관의 해체없이 분해수리가 용이합니다. – 수리용이 (Back Pull-Out방식 채택)
- 우수한 설계, 표준화 부품의 호환성이 높습니다. – 고품질
- 표준화에 의한 설계로 제품의 다양화가 적용되었습니다.

- As a direct coupled type, it vibrates less and is easy to handle.
- It needs less power to transfer much flux, which is excellent in reduction of energy. – High efficiency
- It is easy to disassemble for repair without breakdown of pipes. – Easy for repair
- It has high compatibility of parts by excellent design & standardization. – High quality
- It is applied by diversification of products through standardized design

표준사양 / Standard Specification

형 식 (Model)	흡 입 (Suc.)	토 출 (Dia.)	유 량 (Capacity) [㎥/min]	전양정 (Total Head) [m]	동 력 (Power) [kW]	극 수 (Number of Phase) [P]	형 식 (Model)	흡 입 (Suc.)	토 출 (Dia.)	유 량 (Capacity) [㎥/min]	전양정 (Total Head) [m]	동 력 (Power) [kW]	극 수 (Number of Phase) [P]
GCC-5040B	50	40	0,25	11,5	1,5	4	GCC-1080C	100	80	1,6	18	7,5	4
GCC-5040C				18	2,2	4	GCC-1080D				29	15	4
GCC-5040D				29	3,7	4	GCC-1080E				46	22	4
GCC-5040E				46	7,5	4	GCC-1210B	120	100	2,5	11,5	7,5	4
GCC-6550B	65	50	0,5	11,5	2,2	4	GCC-1210C				18	11	4
GCC-6550C				18	3,7	4	GCC-1210D				29	19	4
GCC-6550D				29	5,5	4	GCC-1210E				46	30	4
GCC-6550E				46	11	4	GCC-1512C	150	125	4,0	18	19	4
GCC-8065B	80	65	1,0	11,5	3,7	4	GCC-1512D				29	30	4
GCC-8065C				18	5,5	4	GCC-1512E				46	55	4
GCC-8065D				29	11	4	GCC-2015D	200	150	6,33	29	45	4
GCC-8065E				46	15	4	GCC-2015E				46	75	4
GCC-1080B	100	80	1,6	11,5	5,5	4	GCC-2015F				72	110	4

※ 사용재질 (Used materials) : SSC13 ,SSC14 ,SSC16, A-20, Hast B,C, CD4MCu, SC46
※ FOOTNOTES : All dimensions given in millimeters / Dimension은 당사와 협의할 것.

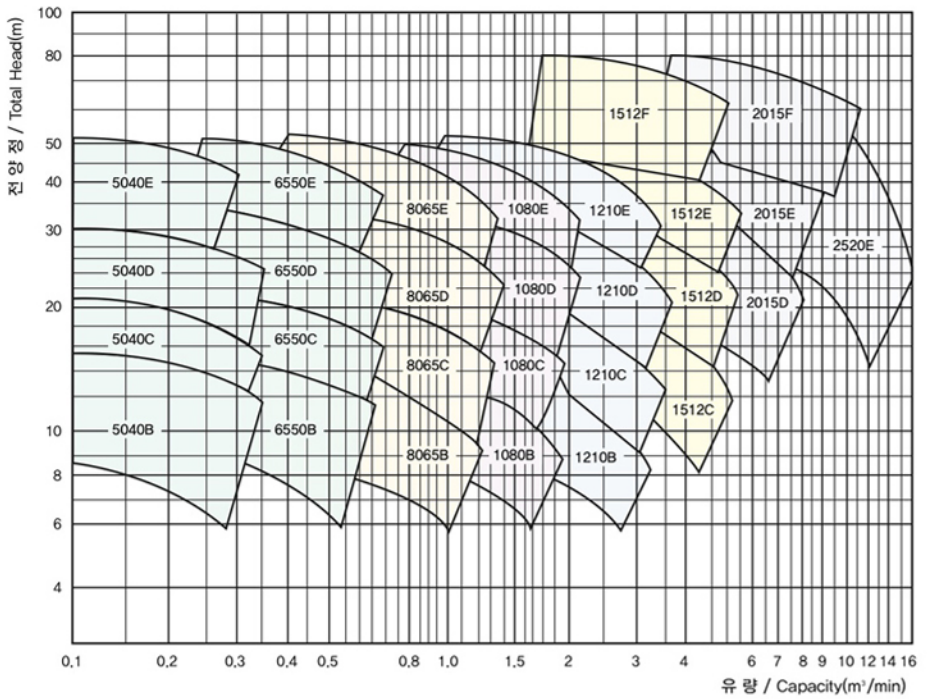


형식표시방법 / Type Nomenclature

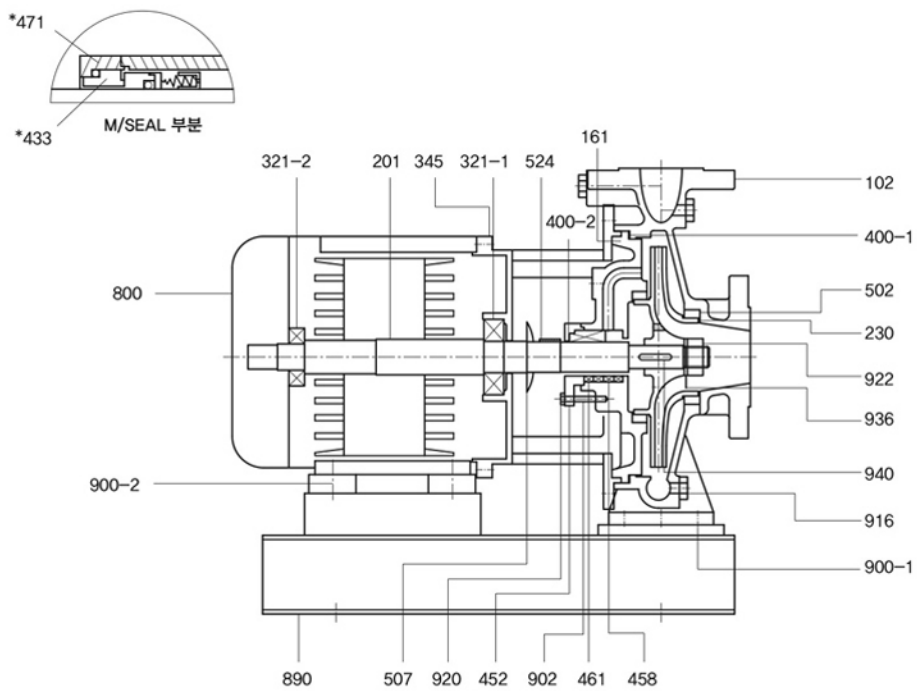
GCC	50	40	B
펌프 모델명 (Model Name)	흡입구경 (Suction Bore) [50mm]	토출구경 (Discharge Bore) [40mm]	대표 임펠러 외경 (Impeller Dia) [160mm]
CLOSE COUPLED VOLUTE PUMP	25 : 250 20 : 200 15 : 150 12 : 125 10 : 100 80 : 80 65 : 65 50 : 50 40 : 40	25 : 250 20 : 200 15 : 150 12 : 125 10 : 100 80 : 80 65 : 65 50 : 50 40 : 40	A : 125 B : 160 C : 200 D : 250 E : 315 F : 400

선정도 / Selection Chart

60Hz, 4P (1750RPM)



조립 단면도 / Sectional Drawing



범례 / Legends

*: 선택부품(Option Parts)

: 추천예비품(Recommended Spare Parts)

품 번 (Part NO.)	부품명 (Part Name)	표준재질 (Standard Material)	수 량 (Q'ty)
102	Casing	SSC13	1
161	Casing Cover	SSC13	1
201	Shaft	STS304	1
#230	Impeller	SSC13	1
#321-1	Ball Bearing(A)	STB2	1
#321-2	Ball Bearing(B)	STB2	1
345	Adapter	GC200	1
#400-1	Casing Gasket	ASB	1
#400-2	Sleeve Gasket	ASB	1
*433	Mechanical Seal	SIC/CARBON	1
452	Gland	SSC13	1
458	Lantern Ring	SSC13	1
#461	Gland Packing	TEFLON	4
*471	M/Seal Cover	STS304	1

품 번 (Part NO.)	부품명 (Part Name)	표준재질 (Standard Material)	수 량 (Q'ty)
#502	Casing Ring	SSC13	2
507	Thrower	NR610	1
#524	Sleeve	STS304	1
800	Motor	-	1
890	Bed	SS41	1
900-1	Hex Bolt	STS304	4
900-2	Hex Bolt	STS304	4
902	Gland Bolt	STS304	2
916	Plug	STS304	3
920	Hex Nut	STS304	2
922	Impeller Nut	STS304	1
936	Impeller Washer	STS304	1
#940	Impeller Key	STS304	1