

The best partner for you

KEUMDUK PUMP INDUSTRIAL Co., Ltd.



공작기계, 디지털 맞춤형과 유량계, 디지털 안력계, 가압식 밀폐탱크, 6m 길이의 수조 등 최고 수준의 장비와 엄격한 품질관리를 통해 신뢰할 수 있는 제품을 생산하고 있습니다.

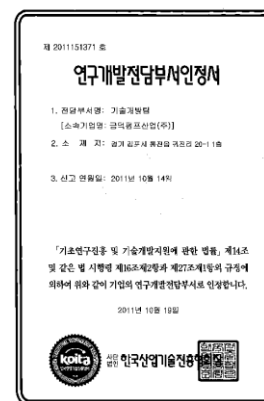


INTRODUCTION

- Company Name : KEUMDUKPUMP INDUSTRIAL Co., Ltd
- CEO : Gil-Seon Lee
- Address : 24, Aegibong-ro 662 beon-gil, Tongjin-eup, Gimpo-si, Gyeonggi-do, Korea
- Established : August 1, 1998
- Employees : 12 people (12.2022)
- Credit Rating : B- (E credible)
- Capital : 300 million won
- Homepage : www.keumduk.com
- Tel No. : +82-31-983-6881
- Fax No. : +82-31-983-6880

HISTORY

- 1998. 08 : Founded (Banghwadong, Gangseo-gu, Seoul)
- 2000. 01 : Incorporated Keumduk Pump Industrial co.,Ltd
- 2007. 01 : Remove to Bucheon Si Wonmi-gu, Gyeonggi-Do
- 2009. 01 : Registered the Factory in Bucheon
- 2011. 05 : Completed GIMPO Factory
- 2011. 05 : Started centrifugal pump planning and production
- 2011. 10 : Acquired ISO9001 Quality System Certificate
- 2011. 10 : Acquired R & D Department Certificate
- 2012. 07 : KCCI Certified Clean Plant
(Korea Chamber of Commerce & Industry)
- 2012. 09 : Participated in Korea Precision Machinery Exhibition
- 2012. 12 : The Korea Chamber of Commerce & Industry award
- 2013. 01 : Acquired GL Certificate (Germanischer Lloyd) (High-Ballast Pump)
- 2013. 05 : Acquired CE Certificate (Communaute Europeenne) [KDW, KVS]
- 2013. 11 : Registered SAUDI ELECTRICITY COMPANY
- 2014. 07 : Acquired CE Certificate (Communaute Europeenne) [KAP8x6-13]
- 2015. 05 : Enlarged Company
- 2015. 12 : Export tower of 5 million dollars Award
- 2015. 12 : Acquired OHSAS18001 Certificate
- 2015. 12 : Acquired ISO14001 Certificate
- 2016. 01 : Acquired CE Certificate(5 Models of Pump)
- 2016. 02 : Acquired Manufacturing certificate
- 2016. 10 : Gyeonggi-do Promising Small and Medium Enterprise Selection
- 2017. 06 : Acquired ATEX Explosion Proof Certificate(Submersible Pump)
- 2017. 08 : Signed Strategic Cooperation Agreement with SCHLUMBERGER
- 2017. 08 : Acquired KS Certificate(Double-suction Volute Pump)
- 2017. 12 : Acquired IECEX Explosion Proof Certificate(Submersible Mixer)
- 2018.02 : Acquired KGS Explosion Proof Certificate(Submersible Mixer)
- 2018.05 : Acquired KS Certificate(Submersible Pump)
- 2018.11 : Patent certification by the Patent Office (centrifugal pump with Water Shock Mitigation System)
- 2020.06 : Patent certification by the Patent Office (High-temperature water pump with heat discharging device)
- 2022.02 : Acquired Certificate of High efficiency energy using appliance(KDW model)

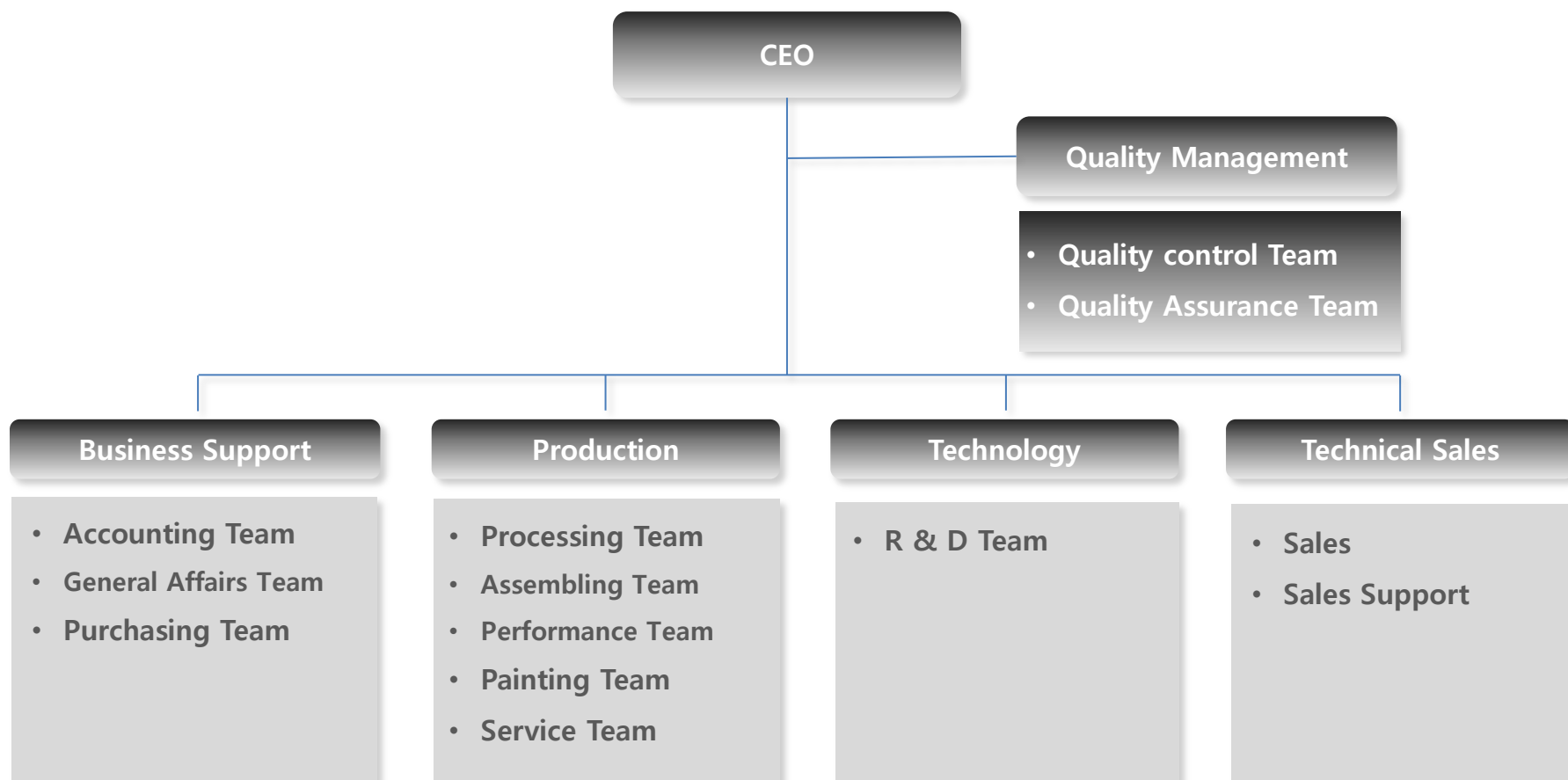


HISTORY - REGISTERED

- 1998. 09 : Hyundai Mobis
- 1998. 09 : Hynix
- 1998. 09 : DaeWoo E&C
- 2000. 05 : Hyundai heavy
- 2007. 07 : Hyundai eng/ Hyundai E&C/ Hanhwa E&C
- 2008. 03 : SK E&C / GS E&C
- 2009. 06 : SK Energy
- 2012. 08 : HYUNDAI Heavy Industries.
- 2012. 11 : SK Innovation
- 2013. 01 : KOREA SOUTH-EAST POWER CO.
- 2013. 04 : KOREA SOUTHERN POWER CO.
- 2013. 04 : KOREA WESTERN POWER CO.
- 2013. 01 : SAMSUNG C&T corporation
- 2013. 11 : SAUDI ELECTRICITY COMPANY
- 2014. 04 : SAMSUNG ENG.
- 2014. 04 : POSCO ENG.
- 2015. 10 : POSCO
- 2016. 06 : DOOSAN Heavy Industries & Construction
- 2016. 11 : HANJIN HEAVY INDUSTRY
- 2016. 12 : POSCO E&C
- 2018. 10 : LOTTE CHEMICAL



ORGANIZATION



ENLARGEMENT FOR COMPANY



TECHNOLOGY

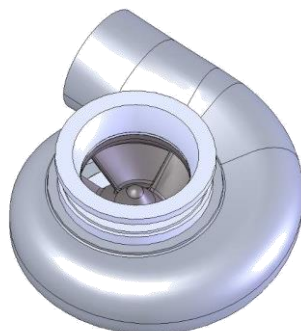
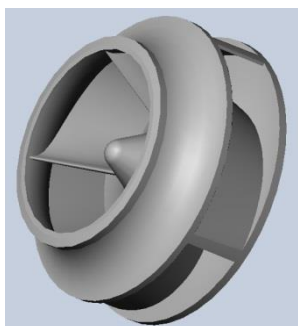
To realize the value of technology and nurture a talent KEUMDUK PUMP IND. improves the technology and quality of the pump through the R & D Department, sustainable R&D, development of new technologies has laid the groundwork.

Also, The only domestic ANSI, ISO, and API610 Of the submersible pump from the pump for land Directly , from design and production to the domestic Beyond being exported all over the world

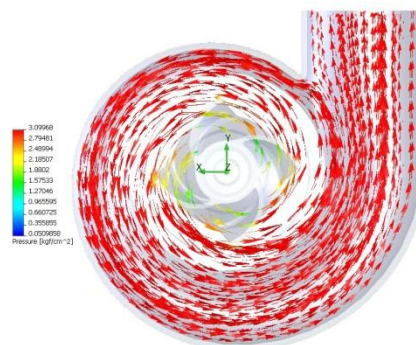
R & D Department Certificate



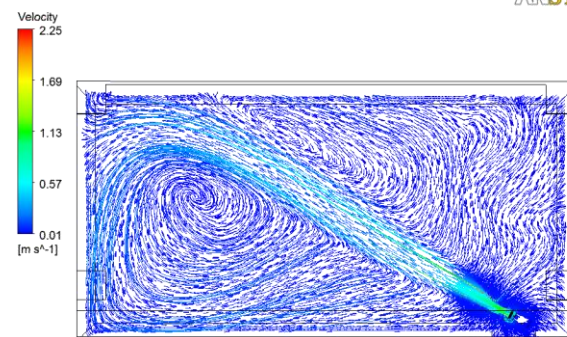
Casing & Impeller 3D Modeling Design



Centrifugal Pump floating analysis



Submersible Mixer floating analysis



PRODUCTION DEPARTMENT

FACILITIES EQUIPMENT

lathe
Radial drill press
Planer
Hydraulic linkage
Drill press
Hoist
Manual Nameplate writing
Vacuum pump
Grinder
Compressor
Wet vibration pump
Test facility
Test System (Circulation Tank)
Chain block
Pressure tester
Cutting machine
Fork lift
Air Compressor
Pipe Threading Machine
Auto Nameplate writing
Radial drill M/C

- Management of production
- Assembly team - Centrifugal Pump Part
- Submersible Pump Part
- Painting, Welding team
- Maintenance team



We produce reliable products with the highest level of equipment and strict quality control.

공작기계, 디지털 및 초음파 유량계, 디지털 압력계, 가압식 밀폐탱크, 6m깊이의 수조 등
최고 수준의 장비와 엄격한 품질관리를 통해 신뢰할 수 있는 제품을 생산하고 있습니다

QUALITY MANAGEMENT

Test Equipment
Pressure gauge
Digital Pressure Gauge
Tacho Meter
Vibration Meter
Coating Thickness Tester
Infrared Thermometer
Puncture Tester
Sound Level Meter
Dial Vacuum Gauge
Insulation Tester
True RMS Clamp Meter
Dial Vacuum Gauge
Tachometer
Magnetic flow meter
Ultrasonic flowmeter
Digital calipers
Micro Meter
Cylinder gauge

- High Voltage Inverter : 1,270kW x 6,600V
- Low Voltage Inverter : 220kW x 480V
- Pit Size : 15,000W x 10,000L x 7,000H
- NPSHre Test
 - Suction Tank : 40 ton
 - Vacuum Pump : 10HP
- Hydro Test : Max. 200bar
- **AUTO PROGRAM&DISPLAY SYSTEM**
- **PERFORMANCE & M.RUNNING TEST**



We produce reliable products with the highest level of equipment and strict quality control.

공작기계, 디지털 및 초음파 유량계, 디지털 압력계, 가압식 밀폐탱크, 6m깊이의 수조 등 최고 수준의 장비와 엄격한 품질관리를 통해 신뢰할 수 있는 제품을 생산하고 있습니다

PRODUCTS

KAP ANSI B73.1M Std.
Horizontal Centrifugal



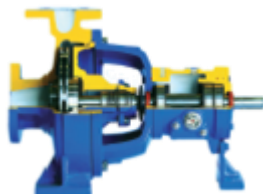
KAPI API610-OH2 Std.
Center-Line Mount



KLP Vertical
In-Line Pump



KIP ISO5199 Std.
Horizontal Centrifugal



KDR API610-BB1 Std.
Double Suction



KVP API610-VS4
Vertical Pit Pump



KSP ANSI B73.1M Std.
Self-Priming Centrifugal



KMT API610-BB4 Std.
Multi-Stage Turbine



KVMT Vertical
Multi-Stage Pump



PRODUCTS

KFP FRP Horizontal Centrifugal
(Fiber -glass Resin Plastic)



KWM Non-Clog
Abrasive Slurry Pump



KVM API610-VS1 & VS6
Single & Double Casing



KDW... Semi-Open
KDW-Ex
... ATEX Explosion proof
KDS... Non-Clog
KDV... Vortex
KDG... Grinder



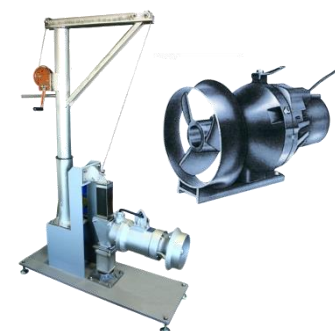
Grinder



KDH Submersible Pump
Hi-Pressure Pump



KDM Submersible Mixer



MANUFACTURE EQUIPMENT MANAGEMENT LIST

설비 관리번호	설비명칭		일련번호	규 격
	한글	영문		
KDPI-P001	범용선반	lathe	254604	Ø580 X 1500L
KDPI-P003	평면연삭(연마)	surface grinder		
KDPI-P004	유압기	hydraulic linkage		
KDPI-P005	소형 드릴머신	Small drill machine		
KDPI-P007	수동명판타각기	Manual Nameplate writing		
KDPI-P008	진공펌프	Vacuum pump		
KDPI-P009	그라인더	Grinder		
KDPI-P010	압축기	Compressor		
KDPI-P011	습식진공펌프	Vacuum pump		
KDPI-P012	시험판넬 저압 1	Test Panel(low Voltage)		
KDPI-P013	시험수조	Test System (Circulation Tank)		Max Capacity : 30 m ³ /h
KDPI-P015	수압테스티기	Pressure tester		
KDPI-P016	커팅기	Cutting machine		
KDPI-P017	지게차	Fork lift		3ton

KDQF-502

금덕펌프산업주식회사

설비 관리번호	설비명칭		일련번호	규 격
	한글	영문		
KDPI-P018	에어 콤프레샤	Air Compressor		11kW
KDPI-P019	관용 나사 절삭기	PIPE THREADING MACHINE		
KDPI-P020	자동명판타각기	Auto Nameplate writing		
KDPI-P021	레디알 드릴머신	Radial drill M/C	3호기	NRD-1600
KDPI-P022	전자 저울	Electronic scale		5ton
KDPI-P023	호이스트	hoist		5t
KDPI-P024	에어 콤프레샤	Air Compressor		15kW
KDPI-P025	지게차	Fork lift		3.5ton
KDPI-P026	인버터판넬 (고압)	Inverter control panel (high voltage)		
KDPI-P028	인버터판넬 (저압)	Inverter control panel (low voltage)		
KDPI-P029	시험수조	Test tank (Circulation Tank)		
KDPI-P030	도장부스	Painting room		
KDPI-P032	모터특성시험기 40KVA	PANEL METER	1702011 1702010 1702019	3p40kva, input. 3p380v.out3p 0v/480v
KDPI-P033	용접기	Welding Machine		M230, 6.8KW

KDQF-502

금덕펌프산업주식회사

MEASURING EQUIPMENT MANAGEMENT LIST

설비 관리번호	설비명칭		기기번호	규격 / 모델
	한글	영문		
KDI-102	게이지압용 압력계	Pressure gauge	039310	3 bar
KDI-103	게이지압용 압력계	Pressure gauge	19P0132	6 bar
KDI-104	게이지압용 압력계	Pressure gauge	19P0133	6 bar
KDI-105	게이지압용 압력계	Pressure gauge	033598	70 bar
KDI-106	게이지압용 압력계	Pressure gauge	205401	10 bar
KDI-107	게이지압용 압력계	Pressure gauge	205404	50 bar
KDI-108	게이지압용 압력계	Pressure gauge	193561	100 bar
KDI-112	게이지압용 압력계	Pressure gauge	513248	15 bar
KDI-118	게이지압용 압력계	Pressure gauge	193431	100 bar
KDI-119	게이지압용 압력계	Pressure gauge	193432	150 bar
KDI-121	게이지압용 압력계	Pressure gauge	19P0021	20 bar
KDI-122	게이지압용 압력계	Pressure gauge	19P0022	20 bar
KDI-123	게이지압용 압력계	Pressure gauge	19P0045	350 bar
KDI-124	게이지압용 압력계	Pressure gauge	19P0046	350 bar
KDI-201	전자 압력계	Digital Pressure Gauge	A1106cx093	P602H15KOAT
KDI-202	전자 압력계	Digital Pressure Gauge	21403211	SENSORTEC, 70K
KDI-203	전자 압력계	Digital Pressure Gauge	A1507MP126	50Kgf/cm2
KDI-204	전자 압력계	Digital Pressure Gauge	A1507MP127	50Kgf/cm2
KDI-205	전자연성계	Compound gauge	A1507WP124	-1 ~ 1
KDI-206	전자연성계	Compound gauge	A1507WP125	-1 ~ 1
KDI-207	전자압력계	Digital Pressure Gauge	A1601MP009	P601H0150KGAT
KDI-301	회전속도계	Photo TachoMeter	111-0039	TM-5010
KDI-304	적외선복사온도계	Infrared Thermometer	090501574	TES 1327
KDI-305	내압시험기	Puncture Tester	100620-13	PTI-5010

KDQF-501

금덕펌프산업주식회사

설비 관리번호	설비명칭		기기번호	규격 / 모델
	한글	영문		
KDI-504	마이크로 메다	Micro Meter	17208688	75-100M/M103-140
KDI-505	마이크로 메다	Micro Meter	27053024	100-125M/M103-141
KDI-506	마이크로 메다	Micro Meter	103-142-10(06135610)	125-150M/M103-142
KDI-507	마이크로 메다	Micro Meter	46079296	150-300M
KDI-601	실린더게이지	cylinder gauge	2138468	35-60M/CG60AX
KDI-602	실린더게이지	cylinder gauge	2143005	50-150mm/CG150AX
KDI-603	실린더게이지	cylinder gauge	858728	10-18.5mm/CG18.5AX
KDI-604	실린더게이지	cylinder gauge	2187774	18-35mm/CG35AX
KDI-605	실린더게이지	cylinder gauge	4293573	160-250mm
KDI-606	실린더게이지	cylinder gauge	3223206	250-400mm
KDI-701	버니어 캘리퍼스	Vernier calipers	10007525	600mm
KDI-702	디지털 캘리퍼스	Digital Vernier calipers	12151717	CD-20CPX(200mm)
KDI-703	캘리퍼스	Vernier calipers	14153262	CD-20CPX(300mm)
KDI-704	캘리퍼스	Vernier calipers	14152538	CD-20CPX(300mm)
KDI-705	디지털 캘리퍼스	Digital Vernier calipers	07414548(500-193-20)	CD-12"CSX(300mm)
KDI-801	시운전장 수조 물	Test Water		
KDI-802	다이얼게이지	Dial Gauge	UBB895	10mm / 0.01mm
KDI-803	다이얼게이지	Dial Gauge	SHB266	10mm / 0.01mm
KDI-804	다이얼게이지	Dial Gauge	RLS170	10mm / 0.01mm
KDI-805	다이얼게이지	Dial Gauge	QST524	10mm / 0.01mm
KDI-806	다이얼게이지	Dial Gauge	QRN260	10mm / 0.01mm
KDI-807	다이얼게이지	Dial Gauge	STS04	30mm / 0.01mm

KDQF-501

금덕펌프산업주식회사

MEASURING EQUIPMENT MANAGEMENT LIST

설비 관리번호	설비명칭		기기번호	규 격 / 모 델
	한글	영문		
KDI-504	마이크로 메다	Micro Meter	17208688	75-100M/M103-140
KDI-505	마이크로 메다	Micro Meter	27053024	100-125M/M103-141
KDI-506	마이크로 메다	Micro Meter	103-142-10(06135610)	125-150M/M103-142
KDI-507	마이크로 메다	Micro Meter	46079296	150-300M
KDI-601	실린더게이지	cylinder gauge	2138468	35-60M/CG60AX
KDI-602	실린더게이지	cylinder gauge	2143005	50-150mm/CG150AX
KDI-603	실린더게이지	cylinder gauge	858728	10-18.5mm/CG18.5AX
KDI-604	실린더게이지	cylinder gauge	2187774	18-35mm/CG35AX
KDI-605	실린더게이지	cylinder gauge	4293573	160-250mm
KDI-606	실린더게이지	cylinder gauge	3223206	250-400mm
KDI-701	버니어 캘리퍼스	Vernier calipers	10007525	600mm
KDI-702	디지털 캘리퍼스	Digital Vernier calipers	12151717	CD-20CPX(200mm)
KDI-703	캘리퍼스	Vernier calipers	14153262	CD-20CPX(300mm)
KDI-704	캘리퍼스	Vernier calipers	14152538	CD-20CPX(300mm)
KDI-705	디지털 캘리퍼스	Digital Vernier calipers	07414548(500-193-20)	CD-12"CSX(300mm)
KDI-801	시운전장 수조 물	Test Water		
KDI-802	다이얼게이지	Dial Gauge	UB8895	10mm / 0.01mm
KDI-803	다이얼게이지	Dial Gauge	SH8266	10mm / 0.01mm
KDI-804	다이얼게이지	Dial Gauge	RLS170	10mm / 0.01mm
KDI-805	다이얼게이지	Dial Gauge	QST524	10mm / 0.01mm
KDI-806	다이얼게이지	Dial Gauge	QRN260	10mm / 0.01mm
KDI-807	다이얼게이지	Dial Gauge	STS04	30mm / 0.01mm

CERTIFICATON(ISO 9001, 14001, 18001)

CERTIFICATE

QUALITY MANAGEMENT SYSTEM



Registration Date 2020-05-11
Expiration Date 2023-09-10
Initial Registration Date 2016-02-24
Revision Date 2020-03-08
Certificate Number AC - 00162

Keumduk Pump Industrial Co., Ltd.

24, Aegibong-ro 662beon-gil, Tongjin-eup, Gimpo-si, Gyeonggi-do, Korea (Zip code : 10010)

Korean Foundation for Quality certifies that The Quality Management System of the above organization has been audited and has complied with the requirements of the following standard

Standard **ISO 9001:2015/KS Q ISO 9001:2015**

Scope of certification
DESIGN, MANUFACTURE, SALES AND MAINTENANCE OF PUMP AND SUBMERSIBLE MIXER



Kfqa has been accredited in respect of ISO 9001 covered by the KAB Accreditation Certificate Number KAB-0041

Ji Young Song
Ji Young Song
President & CEO of KPQ

Kfqa has been accredited in respect of ISO 9001 covered by the KAB Accreditation Certificate Number KAB-0041

Certificate of ISO 9001

CERTIFICATE

ENVIRONMENTAL MANAGEMENT SYSTEM



Registration Date 2018-12-24
Expiration Date 2021-12-23
Initial Registration Date 2015-12-24
Revision Date 2018-12-18
Certificate Number EAC - 00126

Keumduk Pump Industrial Co., Ltd.

24, Aegibong-ro 662beon-gil, Tongjin-eup, Gimpo-si, Gyeonggi-do, Korea (Zip code : 10010)

Korean Foundation for Quality certifies that The Environmental Management System of the above organization has been audited and has complied with the requirements of the following standard

Standard **ISO 14001:2015/KS I ISO 14001:2015**

Scope of certification
DESIGN, MANUFACTURE, SALES AND MAINTENANCE OF PUMP AND SUBMERSIBLE MIXER



Kfqa has been accredited in respect of ISO 14001 covered by the KAB Accreditation Certificate Number KAB-0041

Daehyun Nam
Daehyun Nam
President & CEO of KPQ

Kfqa has been accredited in respect of ISO 14001 covered by the KAB Accreditation Certificate Number KAB-0041

Certificate of ISO 14001

CERTIFICATE

OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM



Registration Date 2018-12-24
Expiration Date 2021-03-11
Initial Registration Date 2015-12-24
Revision Date 2018-12-18
Certificate Number SAC - 06127

Keumduk Pump Industrial Co., Ltd.

24, Aegibong-ro 662beon-gil, Tongjin-eup, Gimpo-si, Gyeonggi-do, Korea (Zip code : 10010)

Korean Foundation for Quality certifies that The Occupational Health and Safety Management System of the above organization has been audited and has complied with the requirements of the following standard

Standard **OHSAS 18001:2007/K-OHSMS 18001:2007**

Scope of certification
DESIGN, MANUFACTURE, SALES AND MAINTENANCE OF PUMP AND SUBMERSIBLE MIXER



Kfqa has been accredited in respect of OHSAS 18001 covered by the KAB Accreditation Certificate Number KAB-0041

Daehyun Nam
Daehyun Nam
President & CEO of KPQ

Kfqa has been accredited in respect of OHSAS 18001 covered by the KAB Accreditation Certificate Number KAB-0041

Certificate of OHSAS 18001

CERTIFICATON(Explosion Proof)





Ośrodek Badań, Atestacji i Certyfikacji Sp. z o.o.
44-121 Gliwice, ul. Łabędzka 21

(1) **Schedule No. 1**
to
the certificate No. OBAC 19 ATEX 0351X

(2) Equipment, components or protective systems intended for use in potentially explosive atmospheres. Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014.

(3) Product: **Submersible Motor Pump**

(4) Manufacturer: **Keumduk Pump Industrial CO., Ltd.**

(5) Address: **Aegibong-ro 662 beon -gil 24 Tongjin-eup Geosonggi-do Kimpo-si Korea**

(6) Compliance with the Safety Requirements has been assured by conformity with:
EN IEC 60079-0:2018 EN 60079-1:2014 EN 60079-31:2014

(7) Description of changes:
Change is motor 2.2 (1.5) kW rated power

Marking

80 K D W ** EX
Explosion proof explosion
Motor Output in kW: (Horsepower Output = kW x 1.341)
3.7, 5.5, 1.5, 2.2
Impeller Type: O=Open, E=Enclosed, W= Semi-Open,
V= Vortex, SV= Semi-Vortex, PL= Propeller,
M= Mixed, G= Grinde
Manufacturer's Designation: KD=KEUMDUK
Discharge Size in mm



Certification Body Manager
Piotr Tarnawski M. Com.

Gliwice, 29 January 2020
Druk nr OBAC/PO-6/F3 wyd. 1 Strona 1 z 3

Certificate of ATEX Explosion Proof





Ośrodek Badań, Atestacji i Certyfikacji Sp. z o.o.
44-121 Gliwice, ul. Łabędzka 21

(1) **Schedule No. 1**
to
the certificate No. OBAC 19 ATEX 0351X

Rated data:

Output (3.7 kW 2 P)			
No.	Voltage (V)	60Hz Amp.(A)	50 Hz Amp.(A)
1	220	14.5	14.5
2	230	13.9	13.9
3	380	8.4	8.4
4	400	8.0	8.0
5	415	7.7	7.7
6	440	7.3	7.3
7	460	7.0	7.0
8	480	6.6	6.6
9	515	6.2	6.2
10	660	4.8	4.8
11	690	4.6	4.6

Output (1.5 kW 4 P)			
No.	Voltage (V)	60Hz Amp.(A)	50 Hz Amp.(A)
1	220	6.6	6.6
2	230	6.3	6.3
3	380	3.8	3.8
4	400	3.6	3.6
5	415	3.5	3.5
6	440	3.3	3.3
7	460	3.2	3.2
8	480	3.0	3.0
9	515	2.8	2.8
10	660	2.2	2.2
11	690	2.0	2.0

Output (3.5 kW 2 P)			
No.	Voltage (V)	60Hz Amp.(A)	50 Hz Amp.(A)
1	220	21.0	21.0
2	230	20.2	20.2
3	380	12.2	12.2
4	400	11.6	11.6
5	415	11.2	11.2
6	440	10.6	10.6
7	460	10.1	10.1
8	480	9.7	9.7
9	515	9.0	9.0
10	660	7.0	7.0
11	690	6.7	6.7

Output (2.2 kW 4 P)			
No.	Voltage (V)	60Hz Amp.(A)	50 Hz Amp.(A)
1	220	9.4	9.4
2	230	9.0	9.0
3	380	5.4	5.4
4	400	5.2	5.2
5	415	5.0	5.0
6	440	4.7	4.7
7	460	4.5	4.5
8	480	4.3	4.3
9	515	4.0	4.0
10	660	3.1	3.1
11	690	3.0	3.0



Druk nr OBAC/PO-6/F3 wyd. 1 Strona 2 z 3

Certificate of ATEX Explosion Proof





Ośrodek Badań, Atestacji i Certyfikacji Sp. z o.o.
44-121 Gliwice, ul. Łabędzka 21

(1) **Schedule No. 1**
to
the certificate No. OBAC 19 ATEX 0351X

The remaining conditions for safe use are not subject to change and are the same as in the certificate OBAC 19 ATEX 0351X.

(8) Explosion proof design is confirmed in the confidential product assessment report: OBAC/20/ATEX0031.

The introduced changes meet the requirements for equipment of group II category 2DG.

The explosion-proof design marking remains as follows:
Ex db IIC T5 Gb
Ex tb IIIB T100°C Db

(9) Special conditions for safe operation:
The same as stated in the certificate OBAC 19 ATEX 0351X

(10) Technical documentation:
- Installation, Operation & Maintenance Manual Keumduk Explosio-Proof Submersible Pumps.
Document number: KDQD-R-013, Revision number: 2.



Druk nr OBAC/PO-6/F3 wyd. 1 Strona 3 z 3

Certificate of ATEX Explosion Proof

CERTIFICATON(Explosion Proof)

IEC IECEx			IECEX Certificate of Conformity	
INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres for rules and details of the IECEx Scheme visit www.iecex.com				
Certificate No:	IECEX CML 17.0187X	Issue No:	0	Certificate History: Issue No. 0 (2017-12-08)
Status:	Current	Page 1 of 3		
Date of Issue:	2017-12-08			
Applicant:	Keumduk Pump Industrial Co. Ltd Angbang-ro 682 beon-gil 24 Tongjeong-gu Gyeonggi-do Kyeonggi-do Korea, Republic of			
Equipment:	KDM 5.67 G EX Submersible Motors			
Optional accessory:				
Type of Protection:	Flameproof			
Marking:	Ex ib IIC T4 Db Tamb = -25°C to +40°C * According to the standard signs on may be omitted from the marking.			
Approved for issue on behalf of the IECEx Certification body:	A Snowden Certification Officer			
Position:	Certification Officer			
Signature: (for printed version)				
Date:	December 8, 2017			
1. This certificate and schedule may only be reproduced in full. 2. This certificate is not transferable and remains the property of the issuing body. 3. The status and authenticity of this certificate may be verified by visiting the Official IECEx Website.				
Certificate issued by: Certification Management Limited Unit 1, Newport Business Park New Port Road Ebbw Vale, NP23 5JZ United Kingdom 				

Certificate of IECEx Explosion Proof

IEC IECEx			IECEX Certificate of Conformity	
Certificate No:	IECEX CML 17.0187X	Issue No:	0	
Date of Issue:	2017-12-08	Page 2 of 3		
Manufacturer:	Keumduk Pump Industrial Co. Ltd Angbang-ro 682 beon-gil 24 Tongjeong-gu Gyeonggi-do Kyeonggi-do Korea, Republic of			
Additional Manufacturing location(s):				
This certificate is issued on verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard set below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx Q2 and Operational Documents as amended.				
STANDARDS:				
The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:				
IEC 60079-0: 2011 Explosive atmospheres - Part 0: General requirements Edition 6.0 IEC 60079-1: 2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d" Edition 7.0				
This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.				
TEST & ASSESSMENT REPORTS:				
A sample(s) of the equipment listed has successfully met the assessment and test requirements as recorded in:				
Test Report: GB/CMU/CTR17.021290 Quality Assessment Report: GB/CMU/QAR17.051700				

Certificate of IECEx Explosion Proof

IEC IECEx			IECEX Certificate of Conformity	
Certificate No:	IECEX CML 17.0187X	Issue No:	0	
Date of Issue:	2017-12-08	Page 3 of 3		
Schedule				
EQUIPMENT:				
Equipment and systems covered by this certificate are as follows:				
The KDM 5.67 G EX Submersible Motors comprise an electric motor housed in a flameproof enclosure. See Annex for full description.				
SPECIFIC CONDITIONS OF USE: YES as shown below: See Annex for Special Conditions for Safe Use/Specific Condition of Use.				
Annex: IECEX CML 17.0187X Iss 0 Annex.pdf				

Certificate of IECEx Explosion Proof

CERTIFICATON(GL, CE)

Test Certificate for Pumps



Certificate No.: 10082 BUN
Page 1 of 2

General Data Keumduk Pump Industrial Co., Ltd., Gimpo-si, Republic of Korea

Manufacturer: Gimpo 2013-01-08
Date of test

Technical Data 2 pc(s) Self priming pump
Quantity Description
Service Water
KSP2 x 2-10S Medium
Type 12120935, 12120936
Serial no.
3.7 kW 1740 min⁻¹
Motor power Necessary power of pump Speed of rotation
12 m³/h 15
Capacity Delivery headm

Materials

Item	Material grade
Casing	BC6
Impeller	BC6
Shaft	SUS304

Workmanship Satisfactory

Tests 2.5 bar
Hydr. pressure test

Serial no.	Medium pumped	Necessary power of pump	Speed of rotation	Capacity	Delivery headm
12120935	Water	2.37 kW	1741 min ⁻¹	12.12 m ³ /h	15.1
12120936	Water	2.28 kW	1742 min ⁻¹	12.78 m ³ /h	15.3

Remarks

Certificate No.: 10082 BUN
Page 2 of 2

Additional Statements Hyundai Heavy Industries Co., Ltd.
Intended for
Continue intended for
H2014H2615
Customer order no.
Manufacturer order no.

10082 BUN
TP 2.5 bar
01 13
Stamping

We hereby certify that the pump(s) described above was (were) tested under supervision of our surveyor.

Seoul, 2013-01-14
Place / Date

Gyeong Tae Seop
Signature of GL Surveyor

1987

CE

KEUMDUK
PUMP INDUSTRIAL

EC DECLARATION OF CONFORMITY
according to Machinery Directive 2006/42 EC-Annex II, Part I, Section A

We, KEUMDUK Pump Industrial Co., Ltd.
24, Aegibong-ro 662 beon-gil, Tongjin-eup, Gimpo-si, Gyeonggi-do, 10010, Rep. of KOREA
Tel: 82 031 983 6881 Fax: 82 031 983 6880 www.keumduk.com

declare under our sole responsibility that the product :
Product : Submersible Motor Pump
Pump Models :
50KDK2.2 2T, 50KDK3.7 2T, 100KDK7.5 4T,
50KDW1.5 2T, 80KDW3.7 2T, 100KDW15 2T, 150KDW30 2T
Description :
Submersible motor pumps used for water, waste water, oily water, sanitation and other such applications.
to which this declaration relates is in conformity with the following standards or other normative documents :
EN ISO 12100:2010
Safety of machinery - General principles for design Risk assessment and risk reduction(ISO 12100:2010)
EN 60204-1:2018
Safety of machinery - Electrical equipment of machines - Part 1: General requirements
(IEC 60204-1:2016, modified)
EN 809-1998(A1:2009/AC:2010)
Pumps and pump units for liquids, Common safety requirements
EN 12162:2001+A1:2009
Liquid pumps, Safety requirements, Procedure for hydrostatic testing

following the provisions of Directive :
DIRECTIVE 2006/42/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of
17 May 2006 on machinery, and amending Directive 95/16/EC (recast)

<Manufacturer>
Gilson, Lee
President
October 30, 2020

KEUMDUK PUMP IND. CO., LTD.
Gil Seon Lee
PRESIDENT Gilson, Lee

This declaration of conformity was declared in 2020, and the CE mark was affixed to the product.

CERTIFICATON(SEC-Saudi Electricity Company)

Generation Projects Engineering Department

Tel: 01-494-7040
Fax: 01-494-7101
Email: GEPENMG@se.com.sa



Date : 21/11/2013 Ref # 12015001 - 13

To : Keumduk Pump Industrial Co. Ltd.
Korea

Attn. : Mr. Lee Gil Sun
Fax : +82 31 983 6880
Phone : +82 31 945 9231
E-mail : Keumduk@Keumduk.com

CC: Vendors Affairs & Support Div. Mgr (PRCVSDV@se.com.sa)

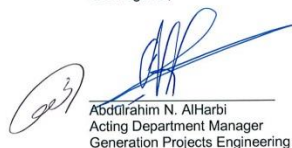
Subject : Keumduk Pump Industrial Prequalification Request

Reference to the above mentioned subject, Saudi Electricity Company is pleased to inform you that, the prequalification request of **Keumduk Pump Industrial Co. Ltd. - Korea** as a manufacturer is technically acceptable to Saudi Electricity Company, Generation Engineering and Projects Sector for the following products:

No.	Description	Limitations
1	Submersible Pump	Maximum capacity 2000 m3/hr, Discharge nozzle size 50mm to 500mm Motor power 500kW max.

Note: The financial and commercial qualification to be completed with Vendors Affairs & Support Division/ Materials Sector.

Best regards,



Abdulrahim N. AlHarbi
Acting Department Manager
Generation Projects Engineering

Form 7-6-e



Registration for SEC

CERTIFICATON(Partner Registration – Power Plant)

Issue NO.B80B-29C2-435A-8432-64D8

CERTIFICATION OF A QUALIFIED SUPPLIER

Registration Number : EASYU2020-06699
 Company Name :
 Factory Address : 24, Aegibong-ro 662 beon-gil,
 Tongjin-eup, Gimpo-si, Gyeonggi-do,
 Korea
 Item : General Centrifugal Pump(~400HP)
 Period of Validity : 2020-02-11 ~ 2023-02-10
 Remarks :

This is to certify that the above-mentioned companies have been registered as the qualified supplier of KOSPO, KOWEPO, KOMIPO, EWP, KOSEP for the listed items according to the standard for integrated management of material & equipment supplier.

2020. 04. 29

 KOREA SOUTHERN POWER CO., LTD.
  KOREA EAST-WEST POWER CO., LTD.

 KOREA MIDLAND POWER CO., LTD.
  KOREA WESTERN POWER CO., LTD.

 KOREA SOUTH-EAST POWER CO.

* This document is issued from website, you can verify this document easyu.kospo.co.kr by the issue number.

Issue NO.2C86-2B09-4903-8EC3-799B

CERTIFICATION OF A QUALIFIED SUPPLIER

Registration Number : EASYU2020-06698
 Company Name :
 Factory Address : 24, Aegibong-ro 662 beon-gil,
 Tongjin-eup, Gimpo-si, Gyeonggi-do,
 Korea
 Item : General Centrifugal Pump(400HP~ 1000HP)
 Period of Validity : 2020-02-11 ~ 2023-02-10
 Remarks :

This is to certify that the above-mentioned companies have been registered as the qualified supplier of KOSPO, KOWEPO, KOMIPO, EWP, KOSEP for the listed items according to the standard for integrated management of material & equipment supplier.

2020. 04. 29

 KOREA SOUTHERN POWER CO., LTD.
  KOREA EAST-WEST POWER CO., LTD.

 KOREA MIDLAND POWER CO., LTD.
  KOREA WESTERN POWER CO., LTD.

 KOREA SOUTH-EAST POWER CO.

* This document is issued from website, you can verify this document easyu.kospo.co.kr by the issue number.

CERTIFICATON(Business Registration)

국세청
www.mts.go.kr

(1 / 1)

발급번호 Issuance number		사업자등록증명 Certificate of Business Registration (법인사업자) (Corporate Taxpayer)		처리기간 Processing period
5664-827-5181-676				즉시 Immediately
상호(법인명) Name of company	금덕펌프산업(주) KEUMDUK PUMP IND.CO.LTD			
사업자등록번호 Business registration number	109-81-61093			
성명(대표자) Name of representative	이길선 LEE GIL SUN			
주민(법인)등록번호 Resident(Corporation) registration number	110111-1832214			
사업장소재지 Address	경기도 김포시 통진읍 귀전리 20-1 (애기봉로662번길 24) Aegibong-Ro 662, 24, 20-1, Gwijeon-ri, Tongjin-eup, Gimpo-si, Gyeonggi-do			
영업일 Date of business commencement	2000년(Year) 01월(Month) 01일(Day)			
사업자등록일 Date of business registration	2000년(Year) 01월(Month) 03일(Day)			
업태 Business type	도매/제조 Wholesale and retail trade/Manufacturing			
종목 Business item	펌프, 수처리기계 Wholesale of Other Machinery and Equipment n.e.c. (Pump) 펌프, 수처리기계 Manufacture of Fluid Power Equipment			
공동사업자 Joint business owner	성명(법인명)/ Name(Name of company)		주민(사업자)등록번호 Resident(Business) registration no.	
	해당사항 없습니다 (No Data)			
접수번호 Receipt No. 500425208651 담당부서 Department 민원봉사실 Taxpayer Service Center 담당자 Staff in Charge 김정수 Kim Jeong Soo 연락처 Telephone No. 031-980-3502				
위와 같이 증명합니다. We hereby certify the above. 2016년 6월 28일 Year Month Day 김포세무서 Head of Gimpo District Tax Office				



- 본 증명은 국세청 홈택스(www.hometax.go.kr)에서 「민원증명 원본확인」 메뉴를 통해 문서발급번호로 위·변조 여부를 확인하거나, 부서 하단의 바코드로 확인해 주십시오. 다만 문서발급번호를 통한 확인은 발급일로부터 90일까지 가능합니다.
- 본 증명은 홈택스(www.hometax.go.kr)대민 온라인 서비스를 통해 발급된 증명서입니다.

Form No. 8-2

Also available online: www.femis.go.kr

Plant Registration Certification Form

Reference No.	Date Received	Processing Time	Immediate
Company Information	Name of Company KEUMDUK PUMP IND.CO.,LTD	Tel. (Tel : (031) 983-6881)	
	Name of Chairperson LEE GIL SUN	Date of Birth (Corporate Registration No.) 110111-1832214	
	Address of Chairperson (Address of Company) 24, Aegibong-ro 662beon-gil, Tongjin-eup, Gimpo-si, Gyeonggi-do		
Plant Information	Address of Plant 24, Aegibong-ro 662beon-gil, Tongjin-eup, Gimpo-si, Gyeonggi-do	Land Category	Property Status Owned [✓] , Rented []
	Plant Registration Date 2011-08-24	Start Date of Business	No. of Employees Male: 28 Female: 6
	Business Line (Classification Code) Manufacture of Pumps for Liquids		
	Area of Site 10,819,000 m ²		
	Area of Manufacturing 1,800,000 m ²		
Area of Other Facilities 1,347,460 m ²			
Registration Conditions			
Changes (Including Dates)			
I hereby apply for a Plant Registration Certificate in accordance with Article 12-3 of the Industrial Cluster Development and Factory Establishment Act. 2016 Year 6 Month 29 Day Applicant KEUMDUK PUMP IND.CO.,LTD (Signature or Stamp)			
To Gyeonggi-do Gimpo-si			

Required Documents	Not Required	Service Charge ₩ 1000
I hereby certify that the above plant is registered in accordance with Article 16-1/16-2/16-3 of the Industrial Cluster Development and Factory Establishment Act. 2016 Year 6 Month 29 Day Gyeonggi-do Gimpo-si		
210mm x 297mm (Paper 70g / m ² (Recycled)) 김포시 1,000원 2016.06.29 5명은 그 표면을 모으실 수 있습니다. 송대현 / 6월29일 4 7:39		

CERTIFICATON

제2016-109호



경기도 유망중소기업 인증서

금덕펌프산업(주)

인증기간: 2016. 10. 4 ~ 2021. 10. 3

귀 업체를 2016년도 경기도
유망중소기업으로 선정하였기에
인증서를 교부합니다.

2016년 10월 4일

경기도지사 

The Best Value

제 2011151371 호

연구개발전담부서인증서

1. 전담부서명: 기술개발팀
[소속기업명: 금덕펌프산업(주)]
2. 소 재 지: 경기 김포시 통진읍 귀전리 20-1 1층
3. 신고 연월일: 2011년 10월 14일

「기초연구진흥 및 기술개발지원에 관한 법률」 제14조
및 같은 법 시행령 제16조제2항과 제27조제1항의 규정에
의하여 위와 같이 기업의 연구개발전담부서로 인정합니다.

2011년 10월 19일



사단 한국산업기술진흥협회



Certificate of R&D department

인정번호: 제 65908 호

CLEAN 사업장 인정서



사업자명: 금덕펌프산업(주)
대표자: 이길선
소재지: 경기 김포시 통진읍 예기봉로662번길 24 금덕펌프산업(주)
인정일자: 2016년 7월 18일 (유효기간: 인정일로부터 3년)

귀 사업장을 안전하고 쾌적한
'CLEAN 사업장'으로 인정합니다.

2016년 7월 18일

고용노동부장 

한국산업안전보건공단 이사장 

발급사유: 재인정 최초인정일: 2012년 7월 11일

Certificate of Clean Place of Business

Certificate of promising
small business of Gyeonggi-do

CERTIFICATON

제 2016 - 13 호



인 증 서

회 사 명 : 금덕펌프산업(주)

소 재 지 : 김포시

대 표 자 : 이길선

인증기간 : 2016. 6.16. ~ 2018. 6.15.

귀 회사는 근로자 복지향상과 일자리 창출에
기여하였기에 2016년도 경기도 일자리우수
기업으로 선정합니다.

경 기 도 지 사



[별지 제3호서식]

제 2016-0153-00001 호

직접생산확인증명서

○ 산 업 군 : 기계

○ 제 품 명 : 로터펌프(발전용 및 LNG용 제지 단,농업용은 토출구경이 판제없이 포함)

※ 동 제품의 직접생산 가능범위 : 불임의 세부품명별 '필수특이사항'에 따름

○ 생 산 업 체 명 : 금덕펌프산업(주)

○ 사 업 자 번 호 : 109-81-61093

○ 대 표 자 성 명 : 이길선

○ 소 재 지 (본 사) : 경기도 김포시 통진읍 애기봉로662번길 24

(공장1) : [109-81-61093] 경기도 김포시 통진읍 애기봉로662번길 24

○ 유효 기 간 : ※ 불임의 세부품명별 유효기간 참조

「중소기업제품 구매촉진 및 판로지원에 관한 법률」 제9조제4항 본문 및
같은 법 시행규칙 제53조제3항에 따라 위와 같이 직접생산을 증명합니다.

출력일자 : 2016년 02월 11일

중소기업중앙회



★ 유의사항(행정조치)

① 하청생산제품, 완제품에 타사상표 부착제품, 대기업제품, 해외 수입완제품 납품금지
(위반시, 모든 중간간접제품 직접생산확인 취소 및 6개월간 제정청 금지)

② 생산설비의 임대, 매각 등으로 직접생산확인기준 미충족 시 증명서 반납

(미 반납시, 해당제품 직접생산확인 취소 및 6개월간 제정청 금지)

③ 직접생산확인받은 완제품 이전 시 30일 이내 증명서 반납

★ 이 증명서는 중소기업제품 구매촉진종합정보망(www.smpg.go.kr)을 통해 출력(2016-02-11

15:33)한 증명서로서 중 정보망에서 전위어부를 확인하실 수 있습니다.

No. 2016 - 13



Certificate of Merit

Presented to

**KEUMDUK PUMP
INDUSTRIAL CO.,LTD.**

In recognition of valuable contributions to
creating employment and a superior work
environment, this certificate is hereby presented
to the recipient named above.

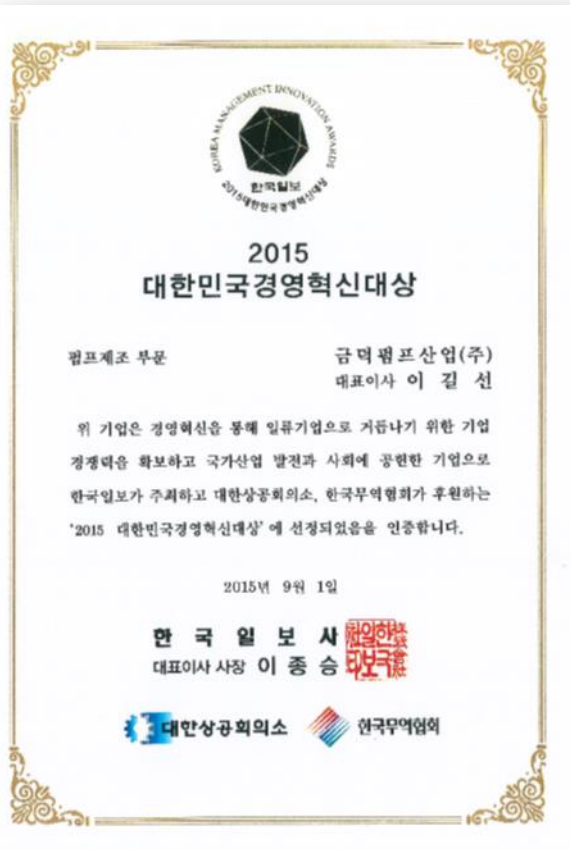
Expiration date: June 15, 2018

June 16, 2016

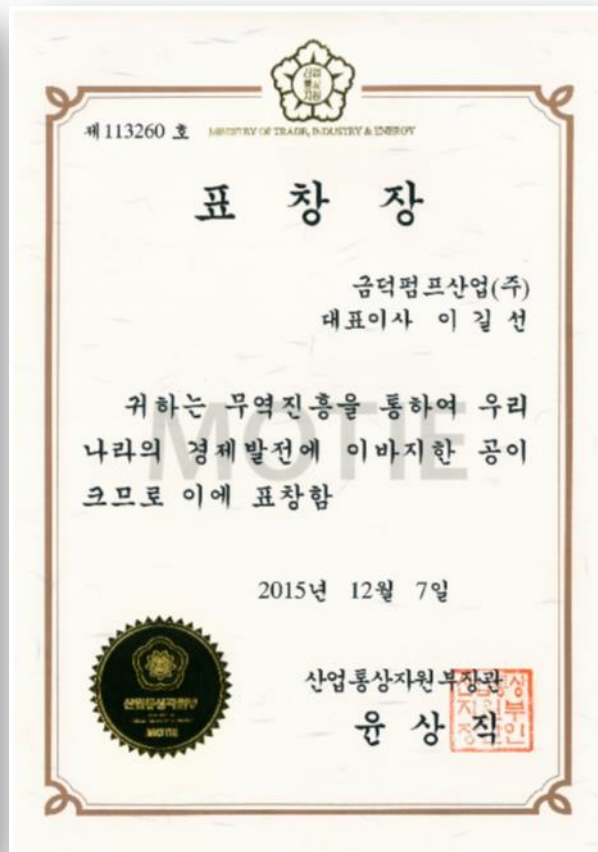
IKP Nam

Nam Kyung-pil
Governor of Gyeonggi Province

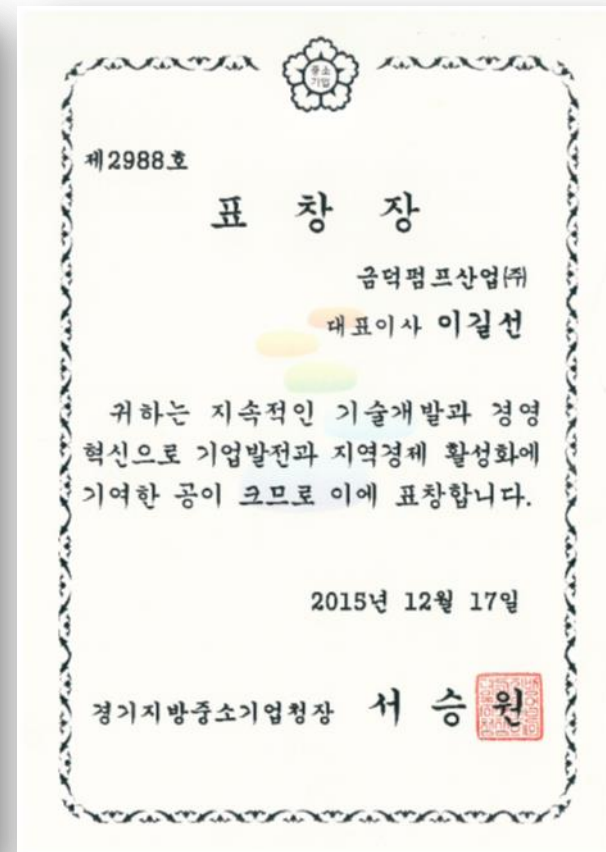
CERTIFICATON



Grand Prize of Management Innovation

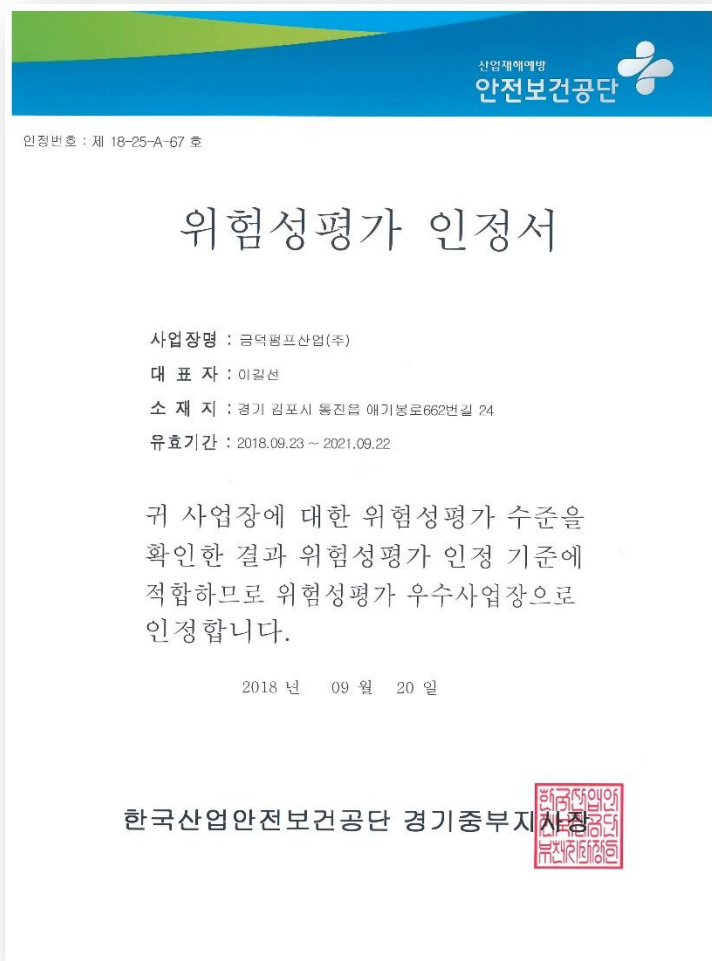


Citation by Minister of Industry and Commerce



Citation by President of Gyeonggi-do Small and Medium-sized Business Administration

CERTIFICATON



Citation by member of the National Assembly

CERTIFICATON



Grand Prize of Gimpo-si Small and Medium-sized Business



CERTIFICATON



Five Million Dollar Export Tower



CERTIFICATON



제 2012-0462 호

표 창 장

금덕펌프산업 (주)
대표이사 이 길 선

귀하는 투철한 기업가 정신으로 탁월한
경영 성과를 거둬으로써 상공업의 발전과
지역경제 활성화에 기여하였기에 이에 표창
합니다.

2012년 12월 3일



회 장 손 경



Citation by Chamber of Commerce President



제 2016-023 호

확 인 증

회 원 명 : 금덕펌프산업(주)
대 표 자 : 이길선
소 재 지 : 경기도 김포시 통진읍 애기봉로662번길 24
사업자등록번호 : 109-81-61093
유효기간 : 2016. 8. 5 ~ 2017. 8. 4

위 업체는 상공회의소법 제10조 및 14조에
의거 김포상공회의소의 회원임을 확인합니다.

2016. 8. 5

김 포 상 공 회 의 소 회 장



Confirmation by Gimpo Chamber of Commerce President

CERTIFICATON



Strategic Cooperation Agreement

This Agreement is entered into and effective on August 8th, 2017 by and between:

Schlumberger China S.A ("Schlumberger"), a company incorporated and existing under the laws of China, having its principal place of Zhaowei Huadeng Building, 14 Jiuxianqiao Road, Chaoyang district, Beijing; and

KEUMDUK PUMP INDUSTRIAL CO., LTD ("KeumDuk"), a company incorporated and existing under the laws of Korea, having its principal place of business at 24, Aegibong-Ro 662 beon-gil, Tongjin-eup, Gimpo-si, Gyeonggi-do, Korea.

The Parties agree that,

Schlumberger is willing to provide the proposal of Electrical Pump to be used for all Projects in Korea;

If KEUMDUK PUMP INDUSTRIAL CO., LTD is awarded relevant product sales contract by client in the future, Schlumberger will supply Electrical Pump in accordance with the contract between KeumDuk and Schlumberger.

Schlumberger recognizes KeumDuk as its only partner in the Electrical Pump sales in this specific project in Korea.

All the liabilities of Schlumberger regard to Electrical Pump shall limited to the liabilities regulated in the contract signed or to be signed between KeumDuk and Schlumberger.

KeumDuk shall always be regarded as an independent contract party. Any content of this agreement shall not be interpreted as any establishment of joint venture or employment relationship between Schlumberger and KeumDuk. Without prior written consent of Schlumberger, under no circumstance that KeumDuk shall represent Schlumberger or commit any obligation towards any party on behalf of Schlumberger, which have no binding effect to Schlumberger.

Within the validity and three years after the termination of the Agreement, neither party shall disclose the counterparty's confidential information it



CERTIFICATON(PATENT)

CERTIFICATE OF PATENT

Patent Number 10-1937245

Application Number 10-2018-0065953

Filing Date 2018.06.08.

Registration Date 2019.01.04.

Title of the Invention
Centrifugal pump having water hammering damper

Patentee
KEUMDUK PUMP INDUSTRIAL CO.,LTD.(110111-*****)
24, Aegibong-ro 662Beon-gil, Tongjin-eup, Gimpo-si, Gyeonggi-do, Republic of Korea.

Inventor
Inventors are filled out in a registration page.

This is to certify that, in accordance with the Patent Act, a patent for the invention has been registered at the Korean Intellectual Property Office.

2020.06.24.

COMMISSIONER,
KOREAN INTELLECTUAL PROPERTY OFFICE

특허청
Korean Intellectual Property Office

박원주

Check your current registration with QR code

Centrifugal Pump with water shock Mitigation system

CERTIFICATE OF PATENT

Patent Number 10-2120045

Application Number 10-2019-0046184

Filing Date 2019.04.19.

Registration Date 2020.06.02.

Title of the Invention
High-temperature water pump with heat discharging device

Patentee
Patentees are filled out in a registration page.

Inventor
Inventors are filled out in a registration page.

This is to certify that, in accordance with the Patent Act, a patent for the invention has been registered at the Korean Intellectual Property Office.

2020.06.24.

COMMISSIONER,
KOREAN INTELLECTUAL PROPERTY OFFICE

특허청
Korean Intellectual Property Office

박원주

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High-temperature water pump with heat discharging device

REFERENCE (OVERSEAS)

- KNPC (KUWAIT NATIONAL PETROLEUM COMPANY)**

	Project Name	Pump Specification
KOLON e ENGINEERING	KNPC CFP MAB-2 PROJECT	Submersible Total 12 sets
	* API610 OH2 TYPE	Horizontal Total 10 sets
		Submersible Mixer Total 2 sets
SUEZ	KNPC ZOR Project – NPR	Horizontal Total 10 sets
KOLON e ENGINEERING	KNPC Al-Zour Refinery Project	Horizontal Total 58 sets
		Submersible Total 2 sets

Horizontal Pump

Pump Model

- KAPI : Horizontal Centrifugal Type
API610 (OH2)

Application

- Petroleum refineries
- Petrochemical Industry
- Power Plant Condensate Pump
- Industrial Process

Specification

- Capacity : Max. 1600 m³/hr (KAPI)
- Total Head : Max. 250mH (KAPI)
- Nozzle Dia : Max. 300A (KPAI)

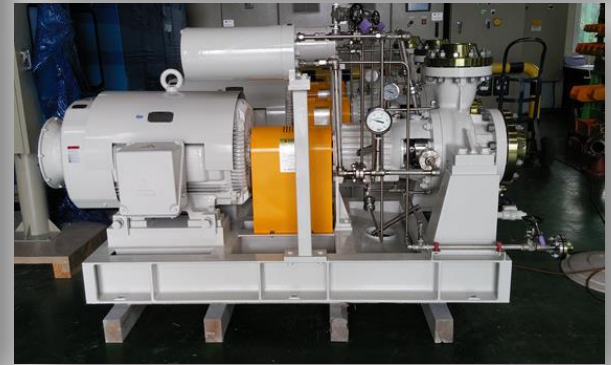


KAPI (OH2)



SUBMERSIBLE MIXER

REFERENCE (OVERSEAS)



REFERENCE (OVERSEAS)

• SEC (SAUDI ELECTRICITY COMPANY)

	Project Name	Pump Specification
HHI	Shuwaikh Power Plant Project	Submersible Total 258 sets
HHI	Jeddah-South Power Plant Project	Submersible Total 246 sets
SUMIKA SEALS MIDDLE EAST(FZC)	Qassim II Combined Cycle Power Plant Project	Submersible Total 20 sets

Submersible Pump (IP68)

Pump Model

- KDW : Semi-Open Type
- KDS : Non-Clog Type
- KDV : Vortex Type
- KDG : Grinder Type

Application

- Waste & Sewage Water Treatment Plant
- Power Plant Sump Pump

Specification

- Capacity : Max. 18000 m3/hr
- Total Head : Max. 100mH
- Nozzle Dia : Max. 400A



Grinder

Certificate of SEC



CE-mark



REFERENCE (OVERSEAS)



REFERENCE (OVERSEAS)

- SAUDI ARAMCO (ARABIAN OIL COMPANY)**

	Project Name	Pump Specification
SAMSUNG ENGINEERING	SAUDI ARAMCO THIRD PARTY COGENERATION PROJECT (PCPC)	Submersible Total 6 sets
		Vertical Total 23 sets

Vertical Pump

Pump Model

- KVP : Vertical Semi-Open Type
- KVM : Vertical Multi-Stage Type
- KVMC : Canned Vertical Multi-Stage Type

Application

- Water Delivery & Irrigation
- Seawater Feed Pump
- Plant Condensate Pump
- Industrial Process

Specification

- Capacity : Max. 4000 m³/hr
- Total Head : Max. 400mH
- Nozzle Dia : Max. 1000A



KVP (VS4)



KVM (VS1)



KVMC (VS6)

REFERENCE (OVERSEAS)



REFERENCE (OVERSEAS)

- SAUDI SWCC (SALINE WATER CONVERSION CORPORATION)**

	Project Name	Pump Specification
SAMSUNG ENGINEERING	SAUDI SWCC YANBU POWER & DESALINATION PROJECT	Submersible 38 sets, Vertical 104 sets
	* KMT – 444 m ³ /hr 700mH, 700kW	Horizontal Total 24 sets
DOOSAN HEAVY INDUSTRIES & CONSTRUCTION	RAS AL KHAIR PROJECT	Submersible Total 78 sets

Horizontal Pump

Pump Model

- KMT : Horizontal Multi-Stage Type
- KAP : Horizontal Centrifugal Type (ANSI)

Application

- Petroleum refineries
- Petrochemical Industry
- Boiler Feed Water Pump
- High Pressure Process

Specification

- Capacity : Max. 500 m³/hr (KMT) / 1000 m³/hr (KAP)
- Total Head : Max. 1000mH (KMT) / 230 mH (KAP)
- Nozzle Dia : Max. 250A (KMT) / 250A (KAP)



KMT (BB4)



KAP (OH1)

REFERENCE (OVERSEAS)



REFERENCE – KDR (Double Suction Type)

Customer	Country	Project Name	Pump Specification
GIMCO	Fiji	Nabou Biomass PP	KDR4035-40 [1720 m ³ /hr x 37m x 250kW x 4p x 50Hz]
DEAWOO E&C	Moroco	SAFI SIPP Plant	KDR6060-65 [4000 m ³ /hr x 61.7m x 630kW x 6p x 50Hz]
Samsung eng.	Saudi	Yanbu-3 P&D Plant	KDR4035-40 [1500 m ³ /hr x 19.2m x 132kW x 4p x 60Hz]
Hyundai E&C	Algeria	Ain Amat 1200MW CCPP	KDR3530-40 [1020 m ³ /hr x 35m x 200kW x 4p x 50Hz]
Daewoo E&C	Korea	Government R & D center	KDR3025-30 [780 m ³ /hr x 35.53m x 110kW x 4p x 60Hz]

Horizontal Pump

Pump Model

- KDR : Double Suction Type
API610 (BB1)

Application

- Industrial Process
- Power Plant CCWP
- Water Delivery & Irrigation
- Seawater Feed Pump

Specification

- Capacity : Max. 10000 m³/hr
- Total Head : Max. 200mH
- Nozzle Dia : Max. 1000A



REFERENCE (OVERSEAS)



REFERENCE – KAPI (API610, OH2)

Customer	Country	Project Name	Pump Specification
SK E&C	Chile	PIEM Red Dregon	KAPI4x3-10 [60 m3/hr x 16m x 5.5kW x 4p x 50Hz , 35°C]
Kolon e eng.	Kuwait	KNPC CFP	KAPI6x4-10 [160 m3/hr x 68m x 55kW x 2p x 50Hz , 85°C]
Hyundai E&C	Uruguay	UTE Punta del Tigre CCPP	KAPI8x6-13H [473 m3/hr x 77.8m x 150kW x 2p x 50Hz , 180°C]
KEPCO	Cote d'Ivoire	CIPREL IV VOLET B Project	KAPI8x6-11 [312 m3/hr x 61.4m x 90kW x 2p x 50Hz , 170°C]
Hyundai E&C	Algeria	Ain Amat 1200MW CCPP PJT	KAPI8x6-13 [372 m3/hr x 89.3m x 132kW x 2p x 50Hz , 180°C]
Hyundai E&C	Ashuganj	Ashuganj 255 MW CCPP PJT	KAPI6x4-10 [249 m3/hr x 58m x 75kW x 2p x 50Hz , 93.2°C]
Kolon e eng	Kuwait	KIPIC	KAPI8x6-12 [435 m3/hr x 110.7m x 225kW x 2p x 50Hz , 85°C]
Suze	Kuwait	KIPIC	KAPI6x4-9 [160 m3/hr x 41.3m x 37kW x 2p x 50Hz , 85°C]
Daekyeong	Cote d'Ivoire	CIPREL	KAPI8x6-11 [312 m3/hr x 61.4m x 90kW x 2p x 60Hz , 85°C]

Horizontal Pump

Pump Model

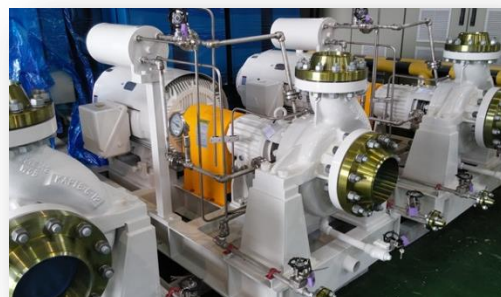
- KAPI : Horizontal Centrifugal Type API610 (OH2)

Application

- Petroleum refineries
- Petrochemical Industry
- Power Plant Condensate Pump
- Industrial Process

Specification

- Capacity : Max. 1600 m3/hr
- Total Head : Max. 250mH
- Nozzle Dia : Max. 300A



REFERENCE – KMT (Horizontal Multi-Stage Type)

Customer	Country	Project Name	Pump Specification
DEAWOO E&C	Moroco	SAFI SIPP Plant	KMT6X6-13 S4 [312 m ³ /hr x 400m x 560kW x 2p x 50Hz , 70°C]
DEAWOO E&C	Pocheon	Booster Pump PJT	KMT8X6-13 S3 [354 m ³ /hr x 150m x 250kW x 4p x 60Hz , 50°C]
Yeosu	Yeosu	Yeosu Waste treatment	KMT5040-4S [26 m ³ /hr x 240m x 37kW x 2p x 60Hz , 140°C]
Samsung eng.	Saudi	Yanbu-3 P&D Plant	KMT2520-7S [444 m ³ /hr x 320m x 700kW x 4p x 60Hz , 60°C]
Hyundai E&C	Algeria	Ain Arnat 1200MW CCPP	KMT1512-3S [255 m ³ /hr x 217m x 300kW x 2p x 50Hz , 190°C]
Hyundai E&C	Algeria	Ain Arnat 1200MW CCPP	KMT5040-5S [30 m ³ /hr x 210m x 45kW x 2p x 50Hz , 210°C]
Hyundai E&C	Uruguay	UTE Punta del Tigre CCPP	KMT1512-5S [150 m ³ /hr x 150m x 132kW x 4p x 50Hz , 60°C]
POSCO	Korea	1COKE high pressure PJT	KMT8065-5S [65 m ³ /hr x 340m x 110kW x 2p x 60Hz , 80°C]
Coway	Vietnam	SONG HAU1	KMT5x4-11-S6 [76.2 m ³ /hr x 100m x 45kW x 4p x 50Hz , 70°C]

Horizontal Pump

Pump Model

- KMT : Horizontal Multi-Stage Type
- API610 (BB4)

Application

- Petroleum refineries
- Petrochemical Industry
- Boiler Feed Water Pump
- High Pressure Process

Specification

- Capacity : Max. 500 m³/hr
- Total Head : Max. 1000mH
- Nozzle Dia : Max. 250A



REFERENCE – KVP & KVM (Vertical Multi-Stage Type)

Customer	Country	Project Name	Year	Q'ty	Pump Specification
DEAWOO E&C	Moroco	SAFI SIPP Plant	2015. 04	8	KVM2015-10S C.L 4m [120 m3/hr x 310m x 185kW x 4p x 50Hz , 126°C]
Samsung eng.	Saudi	Yanbu-3 P&D Plant	2015. 06	2	KVM150-4S C.L 5m [126 m3/hr x 103m x 75kW x 4p x 60Hz , 110°C]
Samsung eng.	Saudi	Yanbu-3 P&D Plant	2015. 06	2	KVM150-5S C.L 5m [142 m3/hr x 134m x 110kW x 4p x 60Hz, 210°C]
SK E&C	Panama	PACO Power Plant	2014. 11	2	KVP80-2S C.L 6150mm [55 m3/hr x 43m x 18.5kW x 4p x 60Hz]

Vertical Pump

Pump Model

- KVP : Vertical Semi-Open Type
- KVM : Vertical Multi-Stage Type
- KVMC : Canned Vertical Multi-Stage Type

Application

- Water Delivery & Irrigation
- Seawater Feed Pump
- Plant Condensate Pump
- Industrial Process

Specification

- Capacity : Max. 4000 m3/hr
- Total Head : Max. 400mH
- Nozzle Dia : Max. 1000A



REFERENCE – KLP (Vertical Inline Type)

Customer	Pump Specification [Seawater... Bronze(AIBC3)]
Hyundai Heavy Industries	KLP5020 [12m ³ /hr x 55 m x 15kW x 2p x 60Hz]
Hyundai Heavy Industries	KLP5033 [20m ³ /hr x 40 m x 7.5kW x 4p x 60Hz]
Hyundai Heavy Industries	KLP8033 [60m ³ /hr x 50 m x 18.5kW x 4p x 60Hz]
Hyundai Heavy Industries	KLP8035 [60m ³ /hr x 60 m x 22kW x 4p x 60Hz]

BWTS Hi-Ballast [3,615 sets]

Vertical Inline Pump

Pump Model

- KIL : API610 (OH4)

Application

- Water Feed Pump
- Line Booster Pump
- Aux. Fire Water Pump
- Industrial Process

Specification

- Capacity : Max. 500 m³/hr
- Total Head : Max. 100mH
- Nozzle Dia : Max. 200A



REFERENCE

Customer	Country	Power (kW)	Project Name	Application	Year	Q'ty
POSCO E&C	Korea	55kw	포스코건설 삼척블루파워 토목 PJT	SUBMERSIBLE	2022.11	2
KET / Daewoo	Ulsan, Korea	5.5kw	KET Project	SUBMERSIBLE	2022.11	2
SK hynix / 씨앤씨테크	cheongju, Korea	3.7kw	M15 Ph-1 PJT	SUBMERSIBLE	2022.10	3
Magnum International LCC	Uzbek	5.5kw etc	Uzbek Early Kandym PJT	SUBMERSIBLE	2022.10	1
KOLON GLOBAL	Gimcheon, Korea	5.5kw etc	KB-3 PROJECT	SUBMERSIBLE	2022.09	5
Veolia water korea daesan	Deasan, Korea	37kw etc	RENEWAL OF EXISTING WASTEWATER LINE AT #1WTP	SUBMERSIBLE & HORIZONTAL	2022.09	5
APOC/ SAMSUNG ENGINEERING	JUBAIL, SAUDI ARABIA	19kw etc	APOC PDH/UTOS PROEJECT	SUBMERSIBLE	2022.08	9
Skie technology	Poland	15kw etc	Europe Phase 3&4	SUBMERSIBLE & VERTICAL	2022.07	16
SK	Hungary	5.5kw etc	SK ON HUNGARY 2 nd FACTORY PROJECT	VERTICAL	2022.07	6
인천환경공단	Unbuk, Korea	15kw	운북사업소 분리막 흡입펌프 교체공사	HORIZONTAL	2022.06	3
SK Hynix	cheongju, Korea	3.7kw etc	M15 Ph-2A PJT	SUBMERSIBLE	2022.05	12
INDO RAYA / DOOSAN	Indonesia	19kw etc	JAWA 9&10 COAL FIRED STEAM POWER PLANT	SUBMERSIBLE	2022.04	4
SK Hynix	Idcheon, Korea	1.5kw etc	M16 Ph-2 W12B PJT	SUBMERSIBLE	2022.03	16
GS Donghae Electric Power	Donghae , Korea	55kw	GS 동해전력 해수전해설비 및 해수취수설비 PJT	SUBMERSIBLE	2022.03	2
INDO RAYA / DOOSAN	Indonesia	1.5kw	JAWA 9&10 COAL FIRED STEAM POWER PLANT	SUBMERSIBLE	2022.02	2
한전KPS 평택사업소	Pyeongtaeck, kroea	3.7kw	평택발전본부 PJT	SUBMERSIBLE	2022.01	1

REFERENCE

Customer	Country	Power (kW)	Project Name	Application	Year	Q'ty
HYUNDAI E&C	Bangladesh	7.5kw etc	Ashuganj 225MW Combined Cycle Power Plant	SUBMERSIBLE	2021.12	1
DOOSAN	VIETNAM	1.5kw etc	SONG HAU 1 THERMAL POWER PLANT (2x600MW)	POWER PLANT	2021.11	6
DAEWOO E&C	POCHEON, Korea	5.5kw	DAEWOO PHCHEON CCPP PROJECT	SUBMERSIBLE	2021.10	4
SAMSUNG C&T	Algeria	55kw	Algeria Mega Deal CCPP Project	POWER PLANT	2021.08	1
Suzhou simbor MEE	China	5.5kw	Wu Xi M8	SUBMERSIBLE	2021.07	1
SAPCO	UAE	3.7kw etc	S3 PJT	SUBMERSIBLE	2021.06	8
HYUNDAI E&C	Seosan, Korea	22kw	서산 현대차 직선주행로 배수펌프 PJT	SUBMERSIBLE	2021.05	3
DAEWOO E&C	Algeria	15kw	1131.1 MW COMBINED CYCLE POWER PLANT AT RAS DJINET	VERTICAL	2021.05	6
HYUNDAI CHEMICAL	Deasan, Korea	5.5kw	HPC PROJECT	SUBMERSIBLE / Ex	2021.04	1
(주)에너지파크	Ulsal, korea	7.5kw etc	울산 자원순환 그린에너지 사업	SUBMERSIBLE	2021.04	13
Morex INC	Saudi	15kw	HAIL2 CCPP High Temperature Submersible Pump	SUBMERSIBLE	2021.03	2
LOTTE GS CHEMICAL	Yeosu, Korea	7.5kw	G1 PJT	SUBMERSIBLE	2021.03	2
ROMCO	TEXAS	75kw	Seawater Reverse Osmosis Thick Pump	VERTICAL	2021.02	1
K-TRADE	Hong Kong	3.7kw	Hong Kong steam power Plant PJT	SUBMERSIBLE / Ex	2021.02	2
Mirfa International	Abu Dhabi	5.5kw	MIRFA INDEPENDENT WATER AND POWER PROJECT	SUBMERSIBLE	2021.01	2

REFERENCE

Customer	Country	Power (kW)	Project Name	Application	Year	Q'ty
HYUNDAI ENGINEERING	Poland	30kw etc.	Polimery Police PDH/PP PJT	Power Plant	2020.12	30
POSCO	KOREA	110kw	포항 석탄저장설비 우수배수펌프 PJT	Power Plant	2020.11	3
WOORY	KOREA	3.7kw	평택 복합화력_PJT-수중펌프 SPARE	SUBMERSIBLE	2020.09	1
Hynewtec	Brazil	2.2kw	NO.1 BLAST FURNACE AT CSP STEEL PLANT	SUBMERSIBLE	2020.08	2
KOLON e ENGINEERING	ALGERIA	3.7kw	BISKRA / JUJEL PJT_SPARE	SUBMERSIBLE	2020.08	1
First Quantum	Panamá	0.75kw	PACO PJT_SPARE	SUBMERSIBLE	2020.08	1
Korea Southern Power CO., Ltd	KOREA	3.7kw	SAMCHEOK POWER PLANT TURBINE SUMP PUMP PJT_SPARE	SUBMERSIBLE	2020.07	3
Hyundai Oil Bank	KOREA	11kw	#2정수/폐수처리_PJT/ SPARE	SUBMERSIBLE	2020.06	1
Morex Inc.	Saudi Arabia	15kw	Ha'il Power Plant PJT	Power Plant	2020.06	1
Sewoong Plant	OMAN	5.5kw etc.	OMAN PJT_PUMP SPARE	SUBMERSIBLE	2020.05	2
SUDOKWON LANDFILL SITE MANAGEMENT CORPORATION	KOREA	1.5Kw	SUDOKWON LANDFILL 3 SITE	Codensate	2020.04	8
LOTTE ENGINEERING	KOREA	11Kw	LOTTE CHEMICAL YEOSU 4EOA PJT	Power Plant	2020.04	2
SAMSUNG ENGINEERING	UAE	15Kw etc.	ADNOC Refining_WHRP PJT	Power Plant	2020.04	8
HYUNDAI ENGINEERING	VIETNAM	7.5Kw etc.	VLSU(LSP) COMPLEX_PJT	Power Plant	2020.05	4

REFERENCE

Customer	Country	Power (kW)	Project Name	Application	Year	Q'ty
SAMSUNG ENGINEERING	UAE	15KW etc.	ADNOC Refining WHRP Project	Power Plant	2020. 04	8
HYUNDAI ENGINEERING	VIETNAM	5.5KW etc.	LSP COMPLEX Project	Waste Water	2020. 04	5
Chung-Am Water Treatment & Eng	VIETNAM	5.5KW etc.	NGHI SON2 BOT THERMAL POWER PLANT PROJECT	Power Plant	2020. 03	6
COWAY ENTECH	UAE	3.7KW etc.	ADNOC Refining	Power Plant	2020. 02	2
Decatech	UAE	1.5KW etc.	ADNOC Refining WHRP Project	Power Plant	2020. 02	2
HYUNDAI STEEL & HYUNDAI ROTEM	KOREA	90KW etc.	SOGYUL 3GI Project	Power Plant	2020. 02	2
HYUNDAI E&C	KOREA	0.75KW etc.	DAESAN BIOMASS POWER PLANT	Power Plant	2020. 01	24
HYUNDAI STEEL & HYUNDAI ROTEM	KOREA	30KW etc.	SOGYUL 3GI Project	Power Plant	2019. 12	12
HYUNDAI E&C	KOREA	5.5KW etc.	DAESAN BIOMASS POWER PLANT	Power Plant	2019. 12	10
HYUNDAI E&C	INDONESIA	45KW etc.	Cirebon 2, 1x1000MW Coal Fired Power Plant(IBON-GSP)	Power Plant	2019. 11	54
HYUNDAI ENGINEERING	KOREA	5.5KW etc.	HC2 Project	Waste Water	2019. 11	2
COWAY ENTECH	INDONESIA	7.5KW etc.	JAWA1 Project	See Water	2019. 10	2
First Quantm	PANAMA	0.75KW etc.	PACO Project Sump Pump	Waste Water	2019. 10	2
SEWOONG PLANT	BRAZIL	2.2KW etc.	POSCO BRAZIL CSP Project	Power Plant	2019. 10	2
LS NIKKO	CHILE	5.5KW etc.	CHILE PLAMEN	Waste Water	2019. 10	2
DOOSAN HEAVY INDUSTRIES & CONSTRUCTION	VIETNAM	110KW etc.	NGHI SON2 BOT THERMAL POWER PLANT PROJECT	Water Treatment Plant	2019. 09	37
HYUNDAI ROTEM	KOREA	5.5KW etc.	BORYEONG THERMAL POWER PLANT	Power Plant	2019. 08	8
Chung-Am Water Treatment & Eng	VIETNAM	30KW etc.	NGHI SON2 BOT THERMAL POWER PLANT PROJECT	Power Plant	2019. 08	25

REFERENCE

Customer	Country	Power (kW)	Project Name	Application	Year	Q'ty
S&TC	KOREA	45KW etc.	NAMJEJU CCPP HRSG	Power Plant	2019. 08	8
COWAY ENTECH	VIETNAM	30KW etc.	Song Hau 1 Thermal Power Plant	Power Plant	2019. 07	51
HANYANG ENG	CHINA	5.5KW etc.	WUXI 8inch Non-Memory FAB Project Waste Water Treatment System	Waste Water	2019. 07	9
Ngodwana Energy	Ngodwana	5.5KW etc.	Ngodwana Energy 25MW Biomass Power Plant	Waste Water	2019. 07	4
SEWOONG PLANT	Abu Dhabi	1.5KW	MIRFA PJT PUMP	Sea Water	2019. 07	1
Samsung Engineering	Abudhabi	2.2KW etc.	UAE ADNOC Refining CFP	Power Plant	2019. 06	8
Hyundai Engineering	Algeria	30KW etc.	AIN ARNAT 1200MW CCPP Project	Power Plant	2019. 06	4
SAPCO	IRAQ	7.5KW etc.	Shuweiha Aisa Power Company PJSC	Power Plant	2019. 05	4
Uniens	Malaysia	3.7KW etc.	MELAKA CCGT PJT	Power Plant	2018. 12	6
Biryong	Uzbekistan	30KW etc.	Takhiatash PJT	Power Plant	2018. 09	47
HHL	Saudi Arabia	30KW etc.	Jeddah South Power Plant PJT Boiler water Wash Drain Sump Pump	Power Plant	2018. 09	8
Tech Universal Arabia	Saudi Arabia	3.7KW etc.	Qassim CCPP	Power Plant	2018. 08	3
HDGSK JV	Karbala	7.5KW etc.	Karbala PJT	Power Plant	2018. 07	9
Hyundai Engineering	INDONESIA	75KW etc.	RAJAMANDALA HYDROELECTRIC PP	Power Plant	2018. 06	4
HDGSK JV	Karbala	7.5KW etc.	Karbala PJT	Power Plant	2018. 05	9
KOLON e ENGINEERING	Kuwait	5.5 KW etc.	KLNG PJT	Power Plant	2018. 05	16
KOLON e ENGINEERING	Kuwait	90KW etc.	KNPC ZOR PJT_API & Submersible	Power Plant	2018. 05	19
KOLON e ENGINEERING	Kuwait	225KW etc.	KNPC ZOR PJT_NON API	Power Plant	2018. 05	18

REFERENCE

Customer	Country	Power (kW)	Project Name	Application	Year	Q'ty
KOLON e ENGINEERING	Kuwait	90KW etc.	KNPC ZOR PJT_Vertical-2	Power Plant	2018. 05	10
MOREX	Saudi Arabia	15KW	Hail 2 Combined Cycle Power Plant	Power Plant	2018. 05	2
HYORIM	KANDYM	1.7KW	KANDYM PJT_Submersible pump	Power Plant	2018. 05	2
SUZE	Kuwait	37KW etc.	KNPC AL ZOUR PJT	Power Plant	2018. 03	20
KOLON e ENGINEERING	Kuwait	15KW	KIPIC ZOR PJT_NON-API(Seal water pumps)	Power Plant	2018. 02	2
Mirae Engineering	RAJAMANDALA	0.75KW	RAJAMANDALA PJT	Power Plant	2018. 02	2
Samsung E&C	Saudi Arabia	1.5KW	라빅2_Portable type sump pump	Power Plant	2018. 02	1
Hyundai E&C	SARULLA	1.5KW	SARULLA PJT_Sewage Sump Pump	Power Plant	2018. 01	1
Doosan Heavy Industries	Kazakhstan	55kW etc.	Karabatan Project	Power Plant	2017. 08	21
Samsung E&C	Algeria	11kW etc.	Algeria Mega Deal Project	Power Plant	2017. 05	22
SK E&C	Chile	45kW etc.	RED DRAGON / PIEM Project	Power Plant	2016. 12	4
KOLON e ENGINEERING	Kuwait	55kW etc.	KNPC CFP Project	Power Plant	2016. 10	24
Daewoo E&C	Morocco	630kW etc.	SAFI IPP Project	Power Plant	2016. 05	119
Samsung E&C	Turkey	11kW etc.	KIRIKKALE IPP	Power Plant	2016. 01	59
Samsung Engineering	Saudi-Arabia	700kW etc.	Yanbu Power & Desalination Plant _Centrifugal, Vertical, Submersible pump	Power Plant	2015. 03	176
Samsung Engineering	Chile	7.5kW etc.	Chile Kelar Project	Power Plant	2015. 02	17
Samsung Engineering	Saudi-Arabia	75kW etc.	Saudi ARAMCO Third party Cogeneration Project	Power Plant	2015. 03	33
HHI	Saudi-Arabia	37kW etc.	Shuwaikh Power Plant Project	Power Plant	2014. 11	258

REFERENCE

Customer	Country	Power (kW)	Project Name	Application	Year	Q'ty
Hyundai E&C	Uruguay	150kW etc.	UTE Punta del Tigre CCPP (CPH PUMP)	Power Plant	2014. 10	4
KEPCO	Cote d'Ivoire	90kW etc.	CIPREL IV VOLET B Project (CPH PUMP)	Power Plant	2014. 07	8
SK E&C	PANAMA	45kW etc.	PACO Power Plant Project : GSP & SUMP PUMP	Power Plant	2014. 11	25
Hyundai E&C	Algeria	300kW etc.	Ain Amat 1200MW Combined cycle power plant	Thermal Power Plant	2014. 05	51
Hyundai E&C	Algeria	132kW etc.	Ain Amat 1200MW Combined cycle power plant (CPH PUMP)	Thermal Power Plant	2014. 05	6
Daewoo E&C	Algeria	132kW etc.	Ras-Djinet 1,131.1MW Combined Cycle Power Plant	Thermal Power Plant	2014. 05	95
HHI	Saudi-Arabia	37kW etc.	JEDDAH-SOUTH Power Plant Project	Power Plant	2014. 04	246
Hyundai Engineering	Libya	30kW etc.	TRIPOLI WEST 4X350w POWER PLANT	POWER PLANT	2013. 07	6
Hyundai Engineering	EQUATORIAL GUINES	11kW etc.	Nsok Nsomo City Water Supply & Sewerage System Project	Water Supply	2013. 07	30
SK E&C	TURKEY	11kW etc.	Tufanbeyli Thermal Power Plant Project [ENERJİSA ENERJİ ÜRETİM A.Ş.]	Power Plant	2013. 07	62
HHI	Saudi-Arabia	2.2kW etc.	TIHAMA COGENERATION EXPANSION PROJECT STAGE II [TIHAMA POWER GENERATION CO., LTD.]	Power Plant	2013. 07	9
DHI	Saudi-Arabia	75kW etc.	Ras Al Khair Project [Saline Water Conversion Corporation (SWCO)]	Desalination	2012. 11	78
Hyundai Engineering	Costa Rica	7.5kW etc.	Sanjose City & Outside area of Evinayong City Water Supply & Sewage Project	Waste Water	2012. 08	38
Biryong	IRAQ	19kW etc.	Hyundai Engineering/RUMAILA GAS TPP [Ministry of Electricity, IRAQ]	LNG	2012. 08	31
Biryong	IRAQ	5.5kW etc.	Hyundai Engineering/TAZA GAS TPP [Ministry of Electricity, IRAQ]	LNG	2012. 08	27
Hyundai Engineering	Tunisia	4kW	TTSP PJT_Sanitary Pump	Power Plant	2012. 08	2
Daewoo E&C	OMAN	30kW etc.	OMAN SUR IPP PROJECT [Oman Power & Water Procurement Company (OPWP)]	Power Plant	2012. 08	105
Daewoo E&C	UAE	7.5kW etc.	UAE Shuweihat S3 IPP Sump Pumps [Abu Dhabi Water & Electricity Authority (ADWEA)]	Power Plant	2012. 07	68

REFERENCE

Customer	Country	Power (kW)	Project Name	Application	Year	Q'ty
DHI	Saudi-Arabia	0.75kW	Jeddah SWRO-III PJT [Saline Water Conversion Corporation (SWCC)]	Desalination	2012. 05	6
SK E&C	Korea	5.5kW etc.	SK GAS TANK TERMINAL PROJECT	Power Plant	2011. 08	4
Hyundai Engineering	Iraq	37kW etc.	Qudus power plant [Ministry of Electricity, IRAQ]	Power Plant	2011. 07	36
STX Heavy	Saudi-Arabia	19kW etc.	South Steel Plant PJT	Steel Plant	2010. 10	16
Hyundai Engineering	Algerie	7.5kW etc.	Arzew Refinery Project_Algeria	Petrochemistry	2010. 10	10
DHI	UAE	90kW etc.	Shuweihat S2 IWPP	Desalination	2010. 09	18
SK E&C	Korea	30kW etc.	USAG-Humphreys Land Development - Lift Station Pump	Waste Water	2010. 03	42
Daewoo E&C	Qatar	5.5kW etc.	Construction of Marine Works for NAKILAT Ship Repair Yard Port of Ras Laffan (Condensate Pump)	Waste Water	2010. 03	28
Daewoo E&C	Qatar	2.2kW etc.	Construction of Marine Works for NAKILAT Ship Repair Yard Port of Ras Laffan (Bilge Pump)	Waste Water	2010. 02	8
KC Samyang	Qatar	30kW etc.	Construction of Marine Works for NAKILAT Ship Repair Yard Port of Ras Laffan	Waste Water	2010. 01	7
HHI	Bahrain	19kW etc.	AL-DUR IWPP	Power Plant	2009. 08	
HYORIM	Bahrain	0.75kW	Al Dur Independent Water & Power	Power Plant	2009. 08	
HHI	Bahrain	19kW etc.	AL-DUR IWPP	Power Plant	2009. 08	
HYORIM	Bahrain	0.75kW	Al Dur Independent Water & Power	Power Plant	2009. 08	
KC Samyang	Philippines	18.5kW, etc.	CEBU Power Plant	Power Plant	2009. 07	
DHI	Kuwait	37kW etc.	Shuwaikh RO	Desalination	2009. 07	8
GS E&C	Thailand	1.5kW etc.	Jetty Development and LNG Receiving Terminal Project	LNG	2009. 07	7

REFERENCE

Customer	Country	Power (kW)	Project Name	Application	Year	Q'ty
Hyundai Engineering	Equatorial Guinea	15kW etc.	The Sewarage Sytem Project in the City of Mongomo	Waste Water	2009. 06	57
Hyundai Engineering	Equatorial Guinea	15kW etc.	The City Water Supply & Sewarage Project Eviveyin	Waste Water	2009. 06	54
Hyundai Engineering	Equatorial Guinea	15kW etc.	The City Water Supply & Sewarage Project Evinayong	Waste Water	2009. 06	38
DHI	Philippines	22kW etc.	Cebu Power Plant (WWTS), Philippines	Power Plant	2009. 04	43
Hyundai Engineering	Thailand	37kW etc.	SIPCO 160MW Combined Cycle Co-Generation Project, Thailand	Power Plant	2009. 04	32
Daewoo E&Cn	Libyan	7.5kW etc.	Misurata / Benghazi Combined Cycle Project, Libyan	Power Plant	2009. 02	50
Hyundai Heavy Industries	Qatar	11kW etc.	Ras Laffan IWPP, Qatar(2600MW)	Power Plant /Desalination	2009. 01	9
Hyundai Engineering	Saudi-Arabia	22kW etc.	AAC Ethlene Amines Project, Saudi-Arabia	Petrochemistry	2008. 12	10
DHI	Saudi-Arabia	1.5kW etc.	Shuaibah IWPP Project, Saudi-Arabia	Power Plant /Desalination	2008. 11	12
DHI	Saudi-Arabia	30kW etc.	Shuwaikh RO, Saudi-Arabia	Desalination	2008. 10	2
DHI	Saudi-Arabia	30kW etc.	Marafiq IWPP PJT / WWTS, Saudi-Arabia	Power Plant /Desalination	2008. 10	3
DHI	Saudi-Arabia	11kW etc.	Shuaibh IWPP Expansion Project, [Ministry of Water & Energy KINGDOM of SAUDI ARABIA]	Power Plant /Desalination	2008. 07	10
DHI	UAE	15kW etc.	Al-Taweela A10 PRJ(Sump pump), [Abu Dhabi National Oil Company	Power Plant /Desalination	2008. 07	5
DHI	Saudi-Arabia	11kW etc.	Shuaibh IWPP Expansion Project, Saudi-Arabia	Power Plant /Desalination	2008. 07	10
DHI	UAE	15kW etc.	Al-Taweela A10 PRJ(Sump pump), UAE	Power Plant /Desalination	2008. 07	5
Samsung Eng.	Saudi-Arabia	0.75kW	Ibn Zarh PP-III PJT	Petrochemistry	2008. 06	2

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