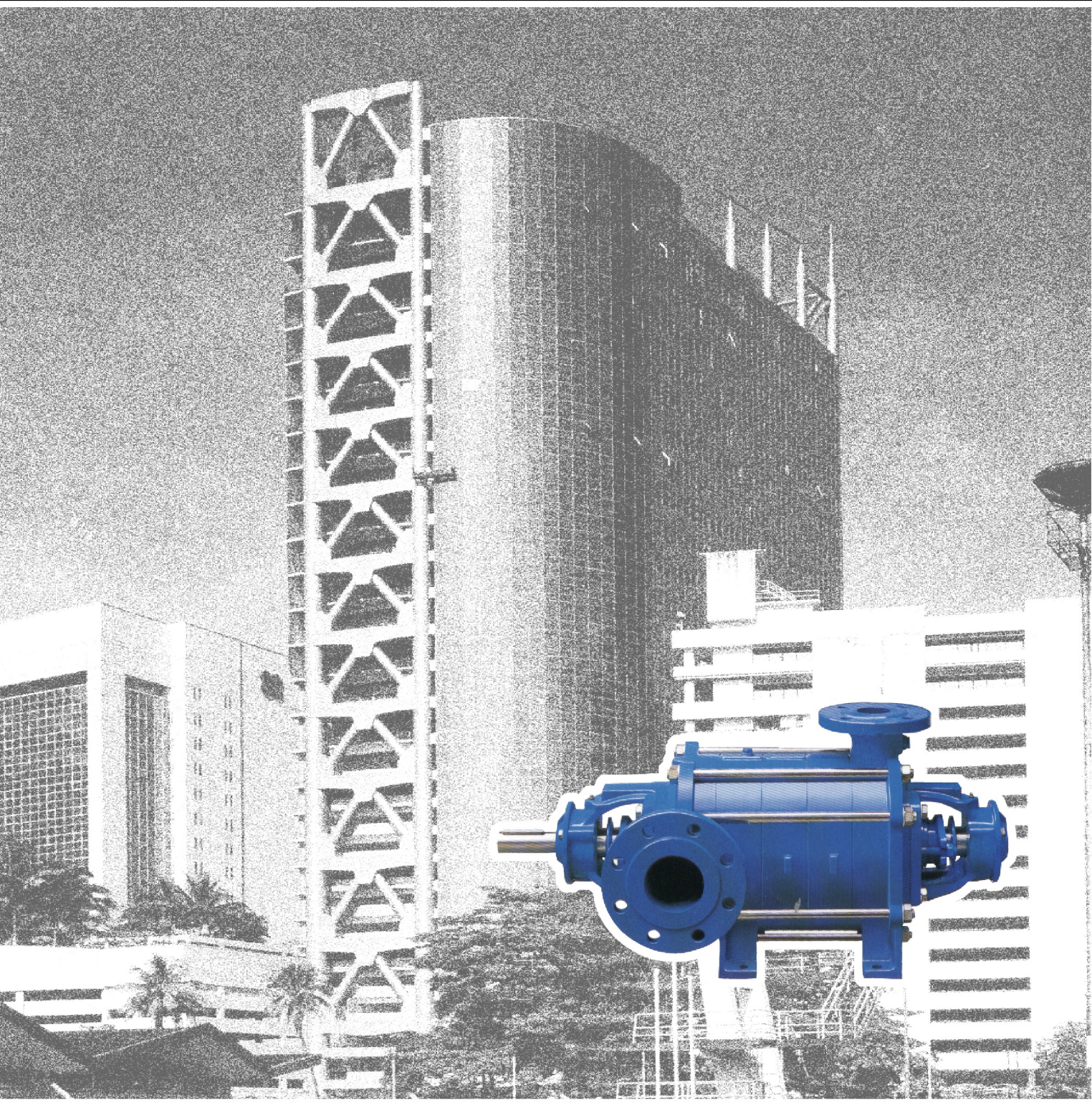




บริษัท โปร-แมคคัลนิคส์ จำกัด
PRO-MECHANIC CO.,LTD.

WWW.PROMECHANIC.CO.TH

Horizontal Multi-Stage Pumps Type KDW



Horizontal Multi Stage Pumps.

Type : KDW



บริษัท โปร-แมคคัลนิคส์ จำกัด
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WWW.PROMECHANIC.CO.TH

Description

The KDW are manufactured as centrifugal multistage types. The modern patented design excels by its high efficiency, excellent ability and operation. Reliable operation and long life are guaranteed by precision manufacturing methods, the use of quality materials, and the various operation speed.

KDW Pumps consist of a number of ring section diffuser casing bolted between suction and delivery casing. Latest casting techniques ensure smoothness of hydraulic passages resulting in high efficiency and reliability under arduous conditions. The delivery flange is vertical. The suction flange can be oriented left or right viewed from driving end.

Construction

The enclosed impellers of radial flow type are provided with balancing holes to balance the hydraulic axial thrust. The high tensile steel shaft accurately machined and ground is supported by antifriction bearings that take the residual axial thrust and prevent axial float or radial run out. The shaft is protected by shaft sleeve from wear in stuffing box area. The rotating elements are statically and dynamically balanced. The pumps are clockwise rotation looking on driving end.

Two generously sized heavy duty grease lubricated antifriction bearings mounted in substantial bearing housing at both ends of the pump. Oil lubrication with cooling jackets attached to both ends on hot model

allow the pumps to operate for hot liquid with the temperature as high as 140°C.

The very good results are obtained with the asbestos graphite packing normally supplied. Other packing materials are available to suit special requirements.

Performance

	2900 r.p.m.	1450 r.p.m.
Capacity (maximum)	240 m ³ /Hr	500 m ³ /Hr
Heads (THD) (maximum)	395 m	240 m

Maximum speed : 3500 r.p.m. (depending on model).
Also suitable for use on 60 cycle electrical supply.
Delivery Size up to 200 mm.

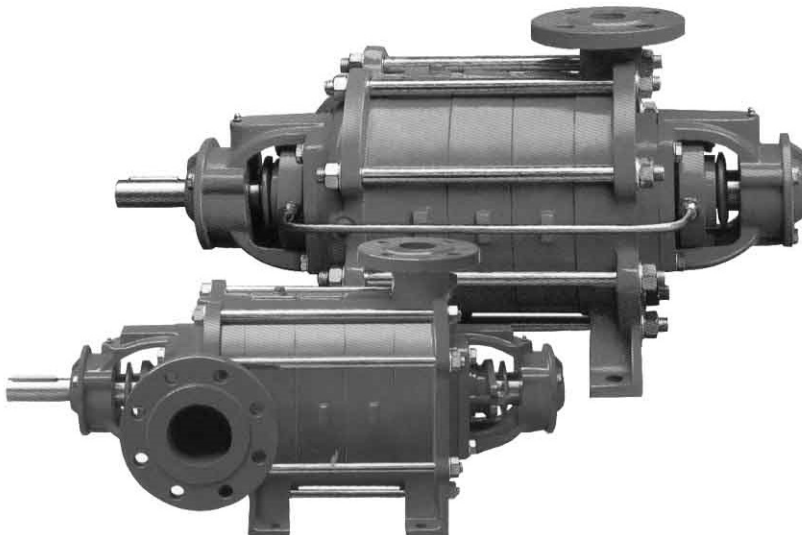
Application

The HVC Pumps are suitable for sprinkler irrigation, fire fighting, water supply to high rise building, descaling, mine dewatering and boiler feed.

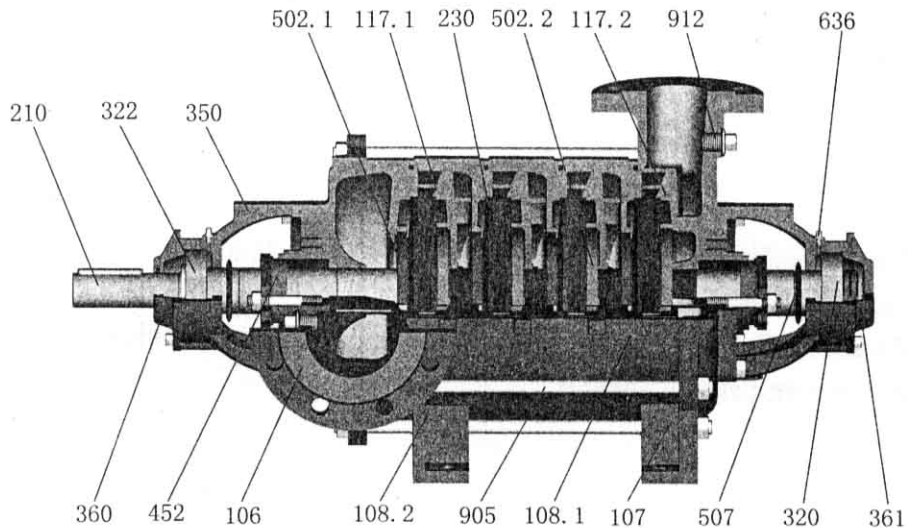
Operating Temperatures

Maximum temperature depending on the type of bearing lubrication:

Grease lubrication	90 °C
Oil Lubrication (with cooling jacket)	140 °C
Minimum temperature	-10°C



KDW PUMP PARTS



106 - SUCTION CASING

107 - DELIVERY CASING

108.1 - STAGE CASING

108.2 - STAGE CASING WITH FOOT

117.1 - DIFFUSER

117.2 - DIFFUSER

210 - SHAFT

230 - IMPELLER

320 - BEARING NDE.

322 - BEARING DE.

350 - BEARING HOUSING

360 - BEARING COVER DE.

361 - BEARING COVER NDE.

452 - GLAND

502.1 - WEAR RING.

502.3 - WEAR RING

507 - LIQUID DELLECTOR

636 - GREASE NIPPLE

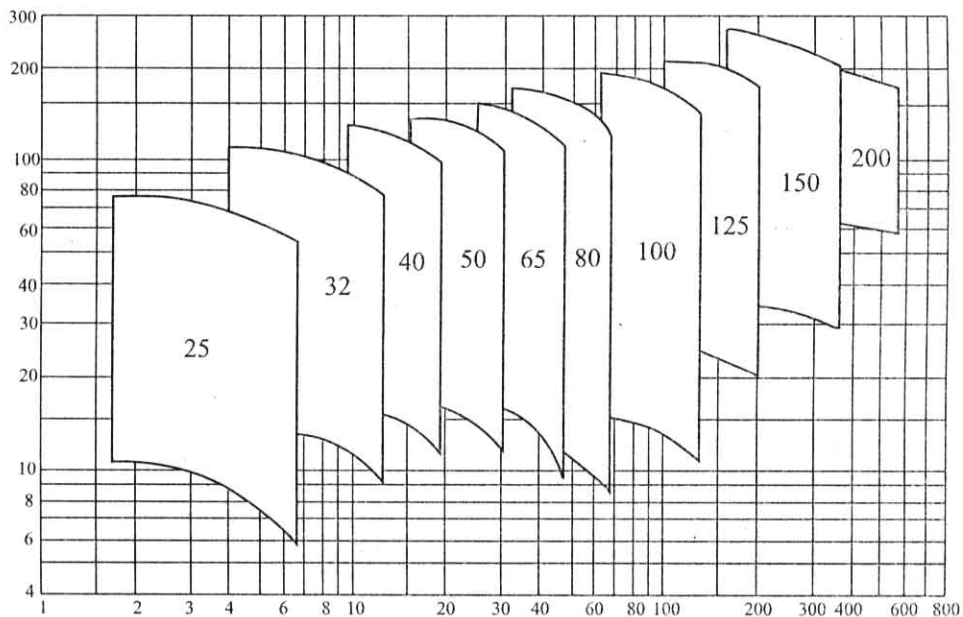
905 - TIE BAR

912 - PLUG

KWD TECHNICAL DATA

SPEED (1450rpm)

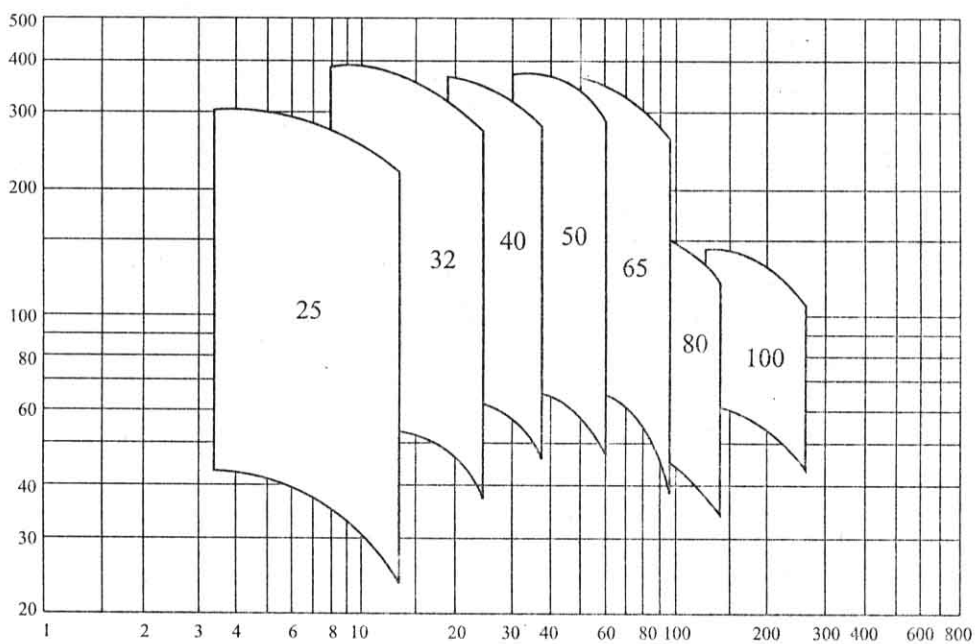
HEAD (m)



CAPACITY (m³/h)

SPEED (2900rpm)

HEAD (m)



CAPACITY (m³/h)

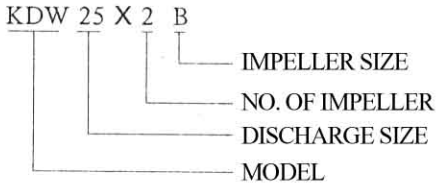
ELEKTROKOVINA Inc.

ELEKTROMOTOJI IN AGREGATI

98350 Karlovac Tiskara Varazdin Slovenia
Phone: (062) 21-508 Telefax: (062) 25-807

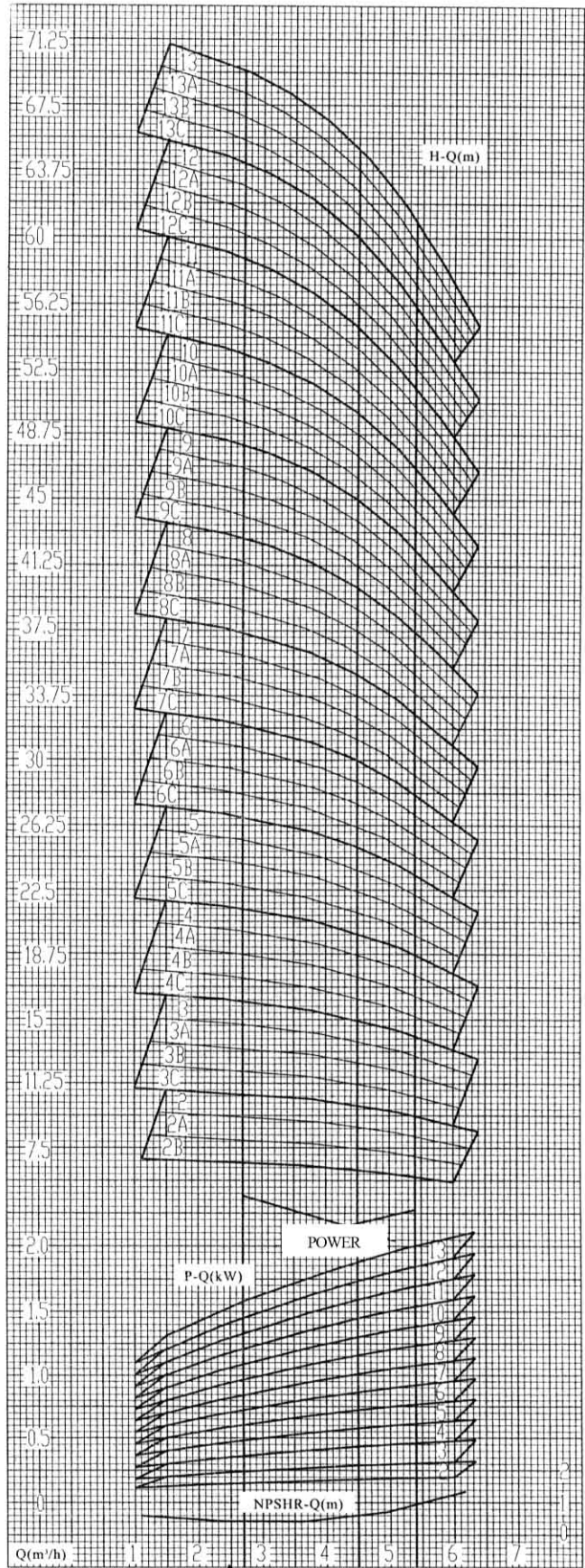
KDW25(1450rpm) TECHNICAL DATA

MODEL : KDW25
 SPEED : n=1450rpm



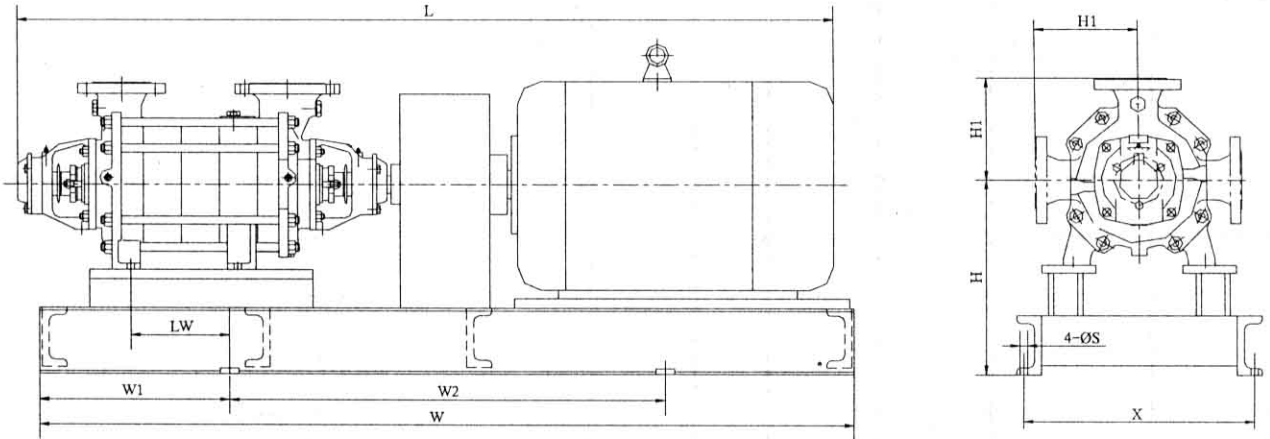
Model	Capacity		Head (m)	Power (kW)
	(m ³ /h)	(L/s)		
25x2Z			10	0.55
25x2A			8.75	0.55
25x2B			7.5	0.55
25x3Z			15	0.55
25x3A			13.75	0.55
25x3B			12.5	0.55
25x3C			11.25	0.55
25x4Z			20	0.75
25x4A			18.75	0.75
25x4B			17.5	0.75
25x4C			16.25	0.75
25x5Z			25	1.1
25x5A			23.75	1.1
25x5B			22.5	1.1
25x5C			21.25	1.1
25x6Z			30	1.1
25x6A			28.75	1.1
25x6B			27.5	1.1
25x6C			26.25	1.1
25x7Z			35	1.5
25x7A			33.75	1.5
25x7B			32.5	1.5
25x7C			31.25	1.5
25x8Z	4.5	1.25	40	1.5
25x8A			38.75	1.5
25x8B			37.5	1.5
25x8C			36.25	1.5
25x9Z			45	2.2
25x9A			43.75	2.2
25x9B			42.5	2.2
25x9C			41.25	1.5
25x10Z			50	2.2
25x10A			48.75	2.2
25x10B			47.5	2.2
25x10C			46.25	2.2
25x11Z			55	2.2
25x11A			53.75	2.2
25x11B			52.5	2.2
25x11C			51.25	2.2
25x12Z			60	2.2
25x12A			58.75	2.2
25x12B			57.5	2.2
25x12C			56.25	2.2
25x13Z			65	3
25x13A			63.75	3
25x13B			62.5	3
25x13C			61.25	2.2

PERFORMANCE CURVES



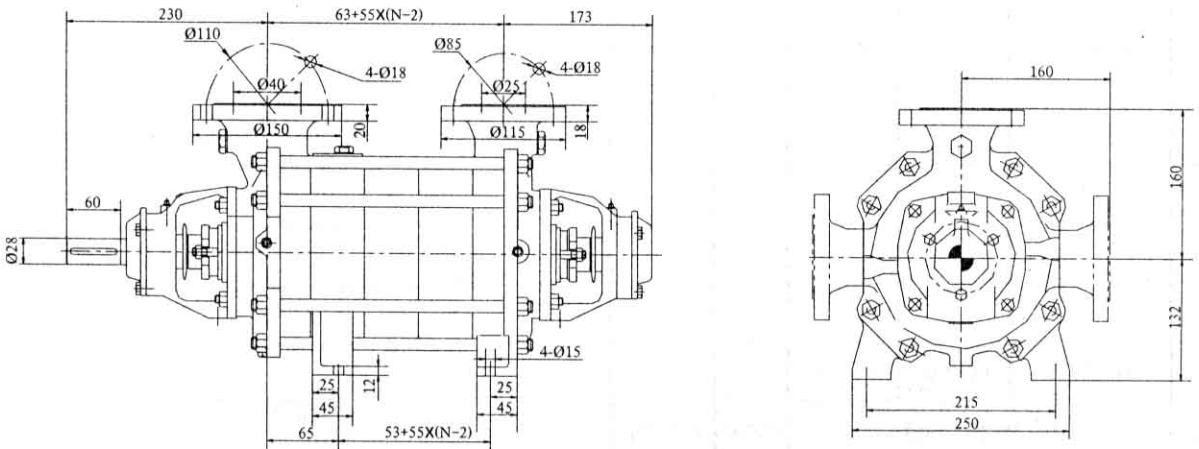
KDW25(1450rpm) TECHNICAL DATA

PUMP INSTALL DIAGRAM



pump size	motor		L	LW	W1	W2	W	H1	H	X	S	bedplate code
	type	power(kW)										
25X2	Y801-4	0.55	755	21.5	200	645	1045	160	224	385	18	1A-52
25X3	Y801-4	0.55	810	49	200	645	1045	160	224	385	18	1A-52
25X4	Y802-4	0.75	865	76.5	200	645	1045	160	224	385	18	1A-52
25X5	Y90S-4	1.1	945	104	200	645	1045	160	224	385	18	1A-42
25X6	Y90S-4	1.1	1000	131.5	200	645	1045	160	224	385	18	1A-42
25X7	Y90L-4	1.5	1080	107	280	870	1440	160	270	425	18	2A-42
25X8	Y90L-4	1.5	1135	134.5	280	870	1440	160	270	425	18	2A-42
25X9	Y100L1-4	2.2	1235	162	280	870	1440	160	270	425	18	2A-32
	Y90L-4	1.5	1190	162	280	870	1440	160	270	425	18	2A-42
25X10	Y100L1-4	2.2	1290	189.5	280	870	1440	160	270	425	18	2A-32
25X11	Y100L1-4	2.2	1345	214	280	870	1440	160	270	425	18	2A-32
25X12	Y100L1-4	2.2	1400	253.5	320	950	1590	160	284	420	24	3A-32
25X13	Y100L2-4	3.0	1445	281	320	950	1590	160	284	420	24	3A-32
	Y100L1-4	2.2	1445	281	320	950	1590	160	284	420	24	3A-32

OVERALL AND MOUNTING DIMENSIONS DRAWING



KDW25(2900rpm) TECHNICAL DATA

MODEL : KDW25

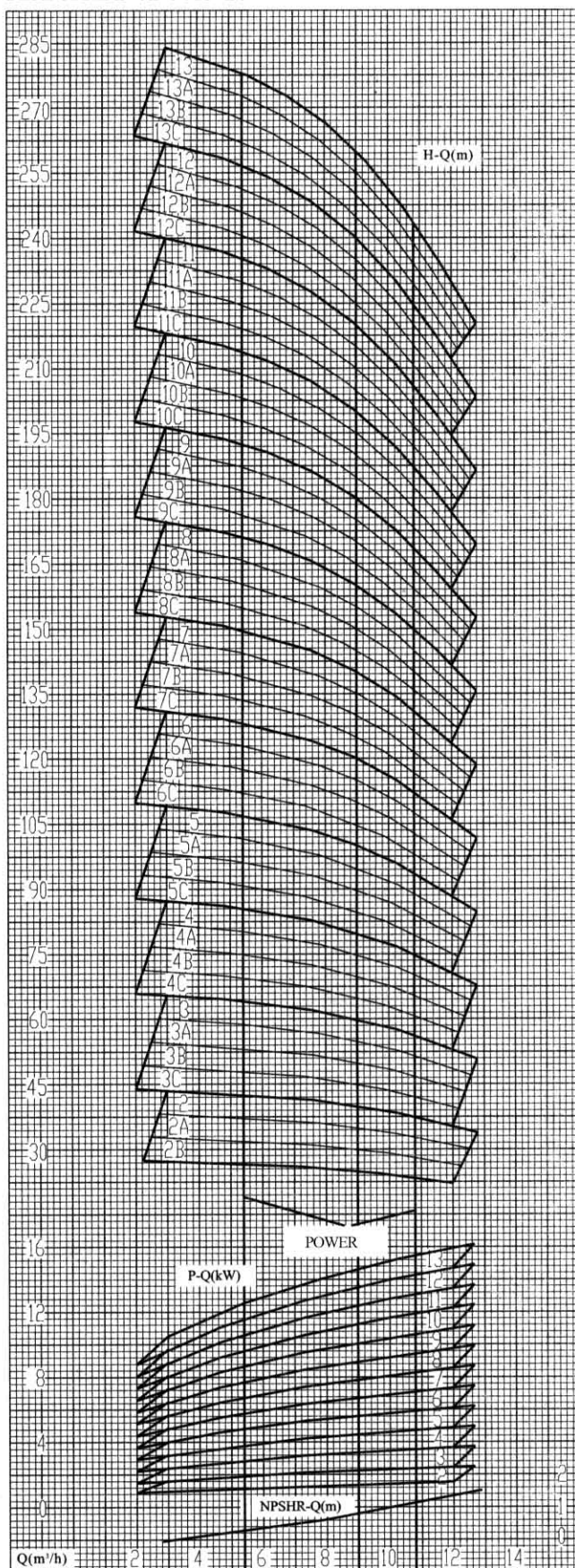
SPEED : n=2900rpm

KDW 25 X 2 B

IMPELLER SIZE
NO. OF IMPELLER
DISCHARGE SIZE
MODEL

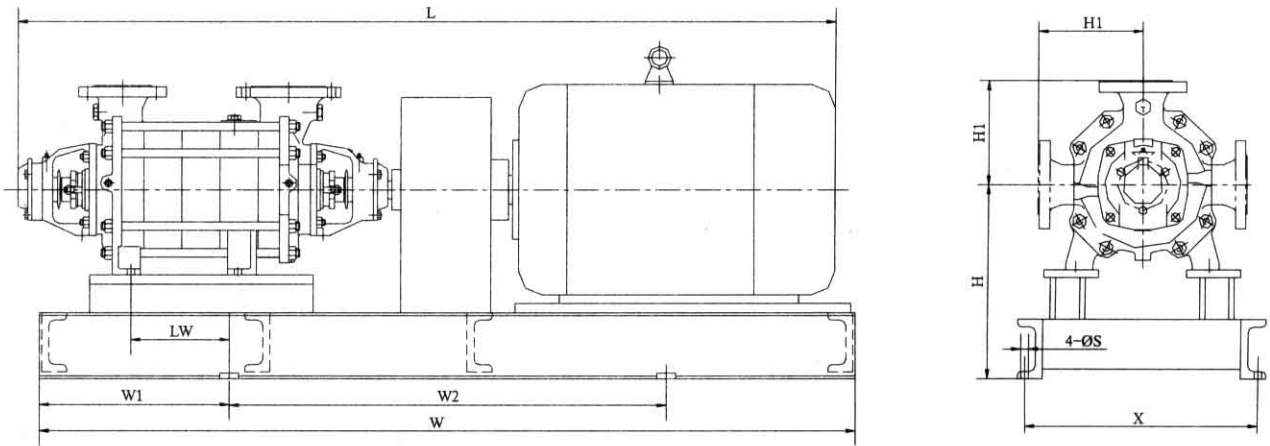
Model	Capacity		Head (m)	Power (kW)
	(m ³ /h)	(L/s)		
25x2Z			40	3
25x2A			35	3
25x2B			30	2.2
25x3Z			60	4
25x3A			55	4
25x3B			50	4
25x3C			45	3
25x4Z			80	5.5
25x4A			75	5.5
25x4B			70	5.5
25x4C			65	5.5
25x5Z			100	7.5
25x5A			95	7.5
25x5B			90	7.5
25x5C			85	5.5
25x6Z			120	11
25x6A			115	7.5
25x6B			110	7.5
25x6C			105	7.5
25x7Z			140	11
25x7A			135	11
25x7B			130	11
25x7C			125	11
25x8Z	9	2.5	160	11
25x8A			155	11
25x8B			150	11
25x8C			145	11
25x9Z			180	15
25x9A			175	15
25x9B			170	11
25x9C			165	11
25x10Z			200	15
25x10A			195	15
25x10B			190	15
25x10C			185	15
25x11Z			220	15
25x11A			215	15
25x11B			210	15
25x11C			205	15
25x12Z			240	18.5
25x12A			235	18.5
25x12B			230	15
25x12C			225	15
25x13Z			260	18.5
25x13A			255	18.5
25x13B			250	18.5
25x13C			245	18.5

PERFORMANCE CURVES



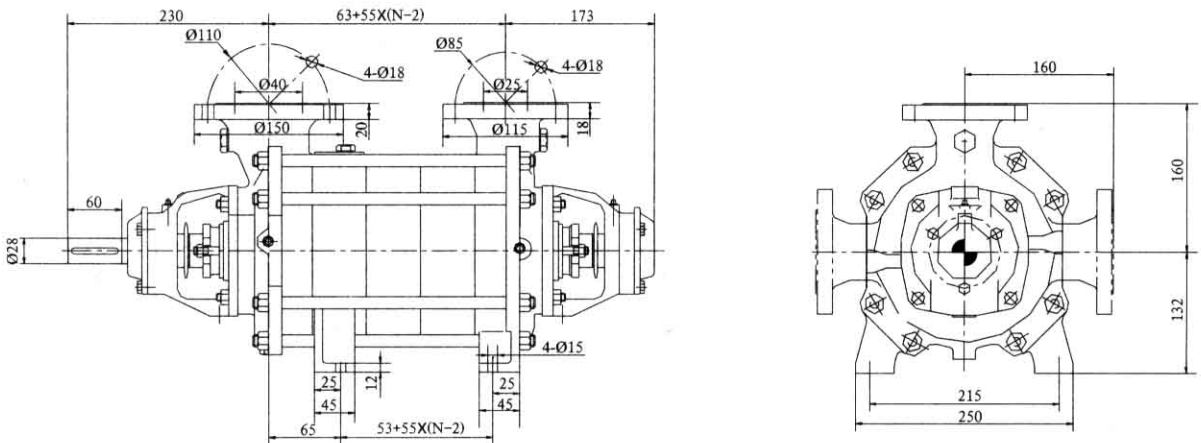
KDW25(2900rpm) TECHNICAL DATA

PUMP INSTALL DIAGRAM



pump size	motor		L	LW	W1	W2	W	H1	H	X	S	bedplate code
	type	power(kW)										
25X2	Y100L-2	3.0	850	21.5	200	645	1045	160	224	385	18	1A-32
	Y90L-2	2.2	805	21.5	200	645	1045	160	224	385	18	1A-42
25X3	Y112M-2	4.0	925	49	200	645	1045	160	224	385	18	1A-20
	Y100L-2	3.0	905	49	200	645	1045	160	224	385	18	1A-32
25X4	Y132S1-2	5.5	1055	76.5	200	645	1045	160	224	385	18	1A-0
25X5	Y132S2-2	7.5	1110	104	200	645	1045	160	224	385	18	1A-0
	Y132S1-2	5.5	1110	104	200	645	1045	160	224	385	18	1A-0
25X6	Y160M1-2	11	1295	79.5	280	870	1440	160	298	425	18	2B-28
	Y132S2-2	7.5	1165	79.5	280	870	1440	160	260	425	18	2A-0
25X7	Y160M1-2	11	1350	107	280	870	1440	160	298	425	18	2B-28
25X8	Y160M1-2	11	1405	134.5	280	870	1440	160	298	425	18	2B-28
25X9	Y160M2-2	15	1460	171	320	950	1590	160	312	420	24	3B-28
	Y160M1-2	11	1460	171	320	950	1590	160	312	420	24	3B-28
25X10	Y160M2-2	15	1515	198.5	320	950	1590	160	312	420	24	3B-28
25X11	Y160M2-2	15	1570	226	320	950	1590	160	312	420	24	3B-28
25X12	Y160L-2	18.5	1670	253.5	400	990	1790	160	340	485	24	7B-28
	Y160M2-2	15	1625	253.5	320	950	1590	160	312	420	24	3B-28
25X13	Y160L-2	18.5	1735	281	400	990	1790	160	340	485	24	7B-28

OVERALL AND MOUNTING DIMENSIONS DRAWING



KDW32(1450rpm) TECHNICAL DATA

MODEL : KDW32

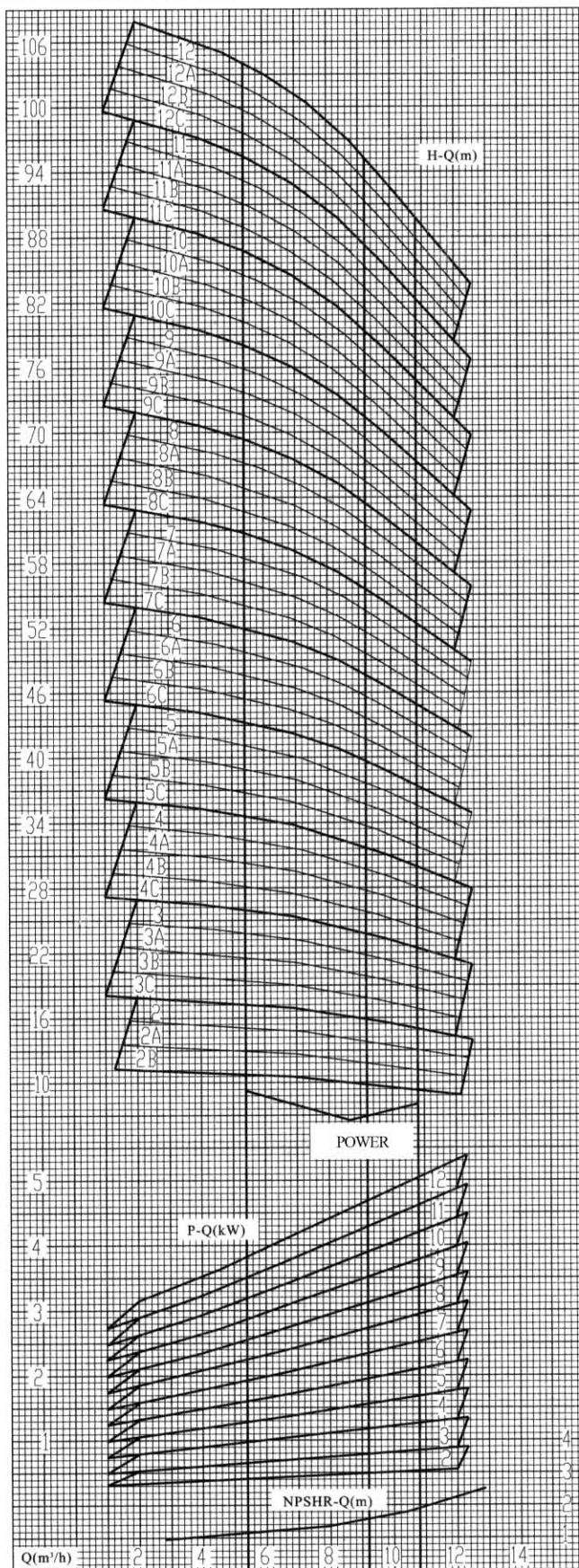
SPEED : n=1450rpm

KDW 32 X 2 B

- IMPELLER SIZE
- NO. OF IMPELLER
- DISCHARGE SIZE
- MODEL

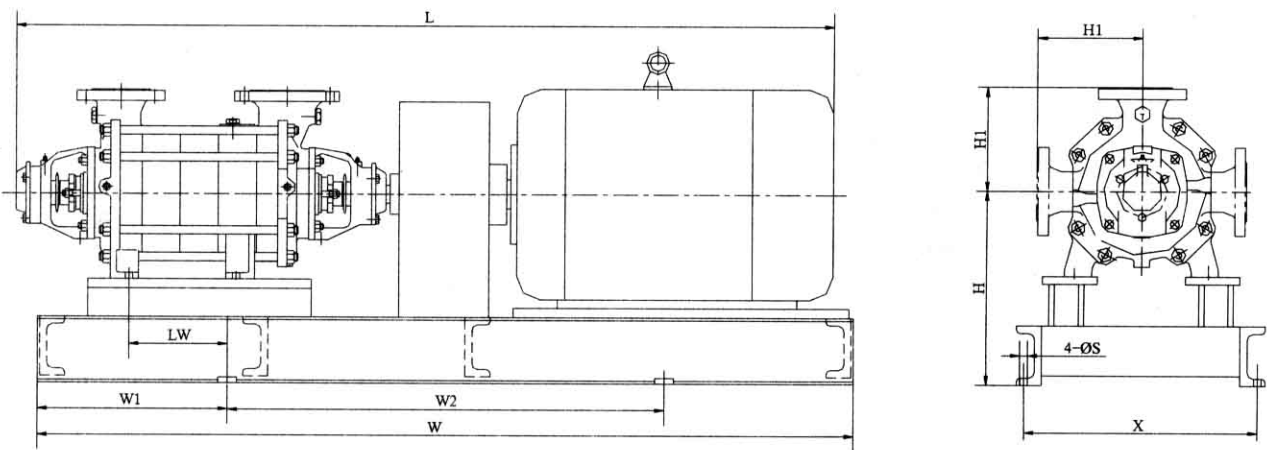
Model	Capacity		Head (m)	Power (kW)
	(m ³ /h)	(L/s)		
32x2Z			16	1.1
32x2A			14	1.1
32x2B			12	0.75
32x3Z			24	1.5
32x3A			22	1.5
32x3B			20	1.5
32x3C			18	1.1
32x4Z			32	2.2
32x4A			30	2.2
32x4B			28	2.2
32x4C			26	1.5
32x5Z			40	2.2
32x5A			38	2.2
32x5B			36	2.2
32x5C			34	2.2
32x6Z			48	3
32x6A			46	3
32x6B			44	3
32x6C			42	3
32x7Z			56	4
32x7A			54	4
32x7B	9	2.5	52	3
32x7C			50	3
32x8Z			64	4
32x8A			62	4
32x8B			60	4
32x8C			58	4
32x9Z			72	5.5
32x9A			70	4
32x9B			68	4
32x9C			66	4
32x10Z			80	5.5
32x10A			78	5.5
32x10B			76	5.5
32x10C			74	5.5
32x11Z			88	5.5
32x11A			86	5.5
32x11B			84	5.5
32x11C			82	5.5
32x12Z			96	5.5
32x12A			94	5.5
32x12B			92	5.5
32x12C			90	5.5

PERFORMANCE CURVES



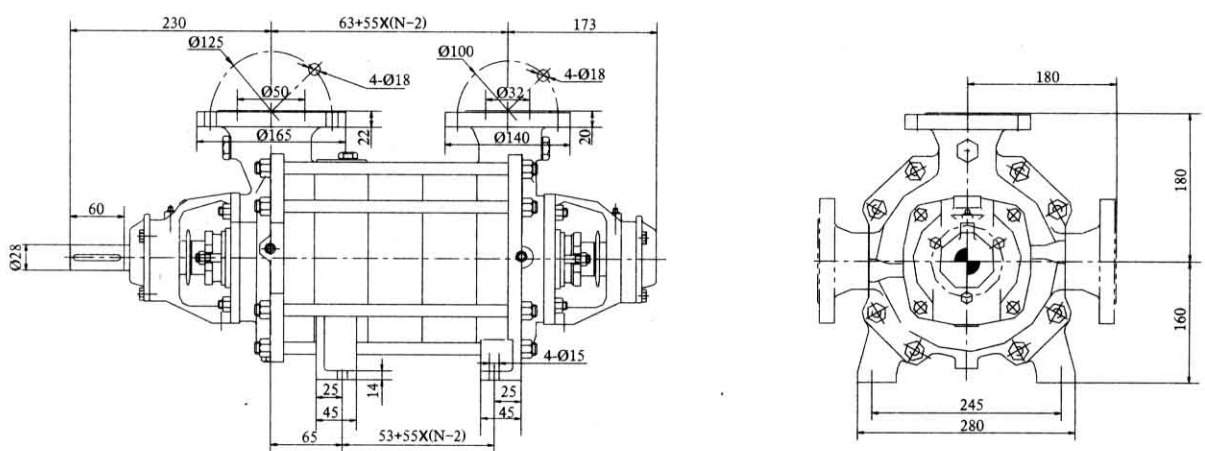
KDW32(1450rpm) TECHNICAL DATA

PUMP INSTALL DIAGRAM



pump size	motor		L	LW	W1	W2	W	H1	H	X	S	bedplate code
	type	power(kW)										
32X2	Y90S-4	1.1	780	21.5	200	645	1045	180	272	385	18	1A-70
	Y802-4	0.75	755	21.5	200	645	1045	180	272	385	18	1A-80
32X3	Y90L-4	1.5	860	49	200	645	1045	180	272	385	18	1A-70
	Y90S-4	1.1	835	49	200	645	1045	180	272	385	18	1A-70
32X4	Y100L1-4	2.2	960	76.5	200	645	1045	180	272	385	18	1A-60
	Y90L-4	1.5	915	76.5	200	645	1045	180	272	385	18	1A-70
32X5	Y100L1-4	2.2	1015	104	200	645	1045	180	272	385	18	1A-60
32X6	Y100L2-4	3.0	1070	131.5	200	645	1045	180	272	385	18	1A-60
32X7	Y112M-4	4.0	1145	107	280	870	1440	180	318	425	18	2A-48
	Y100L2-4	3.0	1125	107	280	870	1440	180	318	425	18	2A-60
32X8	Y112M-4	4.0	1200	134.5	280	870	1440	180	318	425	18	2A-48
32X9	Y132S-4	5.5	1320	162	280	870	1440	180	318	425	18	2A-28
	Y112M-4	4.0	1255	162	280	870	1440	180	318	425	18	2A-48
32X10	Y132S-4	5.5	1375	189.5	280	870	1440	180	318	425	18	2A-48
32X11	Y132S-4	5.5	1430	214	280	870	1440	180	318	425	18	2A-48
32X12	Y132S-4	5.5	1485	253.5	320	950	1590	180	332	420	24	3A-48

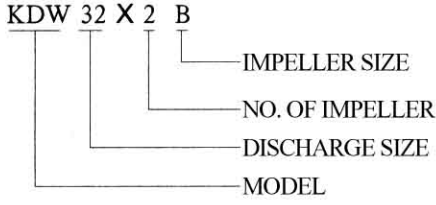
OVERALL AND MOUNTING DIMENTIONS DRAWING



KDW32(2900rpm) TECHNICAL DATA

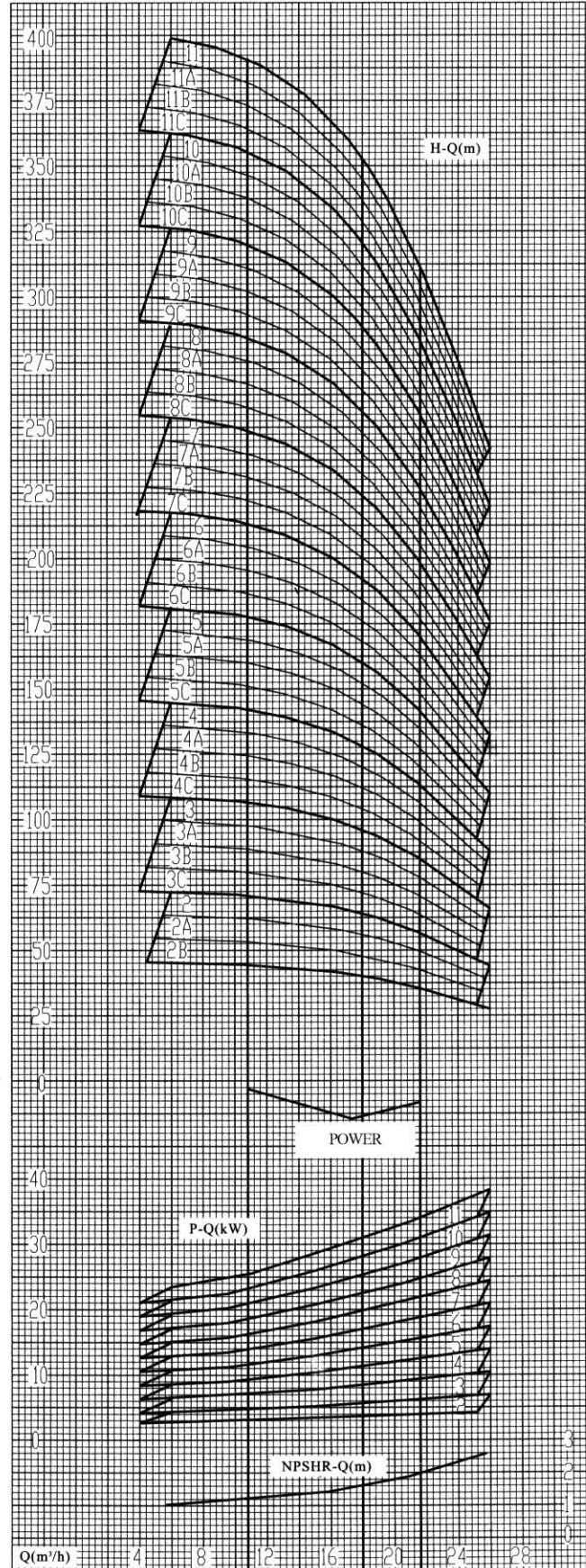
MODEL : KDW32

SPEED : n=2900rpm



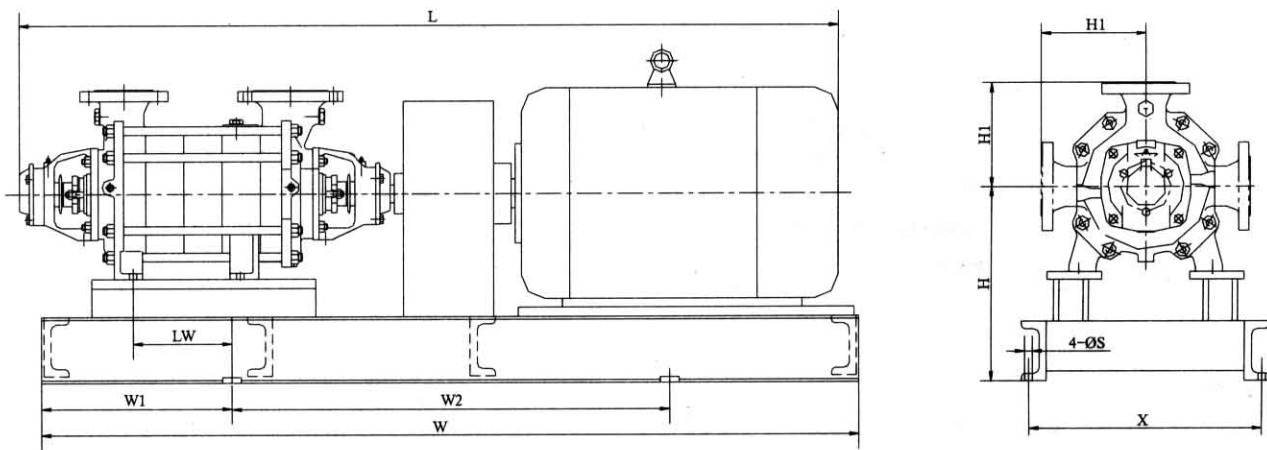
Model	Capacity		Head (m)	Power (kW)
	(m³/h)	(L/s)		
32x2Z			64	7.5
32x2A			56	7.5
32x2B			48	5.5
32x3Z			96	11
32x3A			88	11
32x3B			80	11
32x3C			72	11
32x4Z			128	15
32x4A			120	15
32x4B			112	15
32x4C			104	11
32x5Z			160	18.5
32x5A			152	18.5
32x5B			144	15
32x5C			136	15
32x6Z			192	22
32x6A			184	22
32x6B			176	22
32x6C			168	18.5
32x7Z			224	30
32x7A			216	30
32x7B	18	5	208	22
32x7C			200	22
32x8Z			256	30
32x8A			248	30
32x8B			240	30
32x8C			232	30
32x9Z			288	30
32x9A			280	30
32x9B			272	30
32x9C			264	30
32x10Z			320	37
32x10A			312	37
32x10B			304	37
32x10C			296	37
32x11Z			352	37
32x11A			344	37
32x11B			336	37
32x11C			328	37

PERFORMANCE CURVES



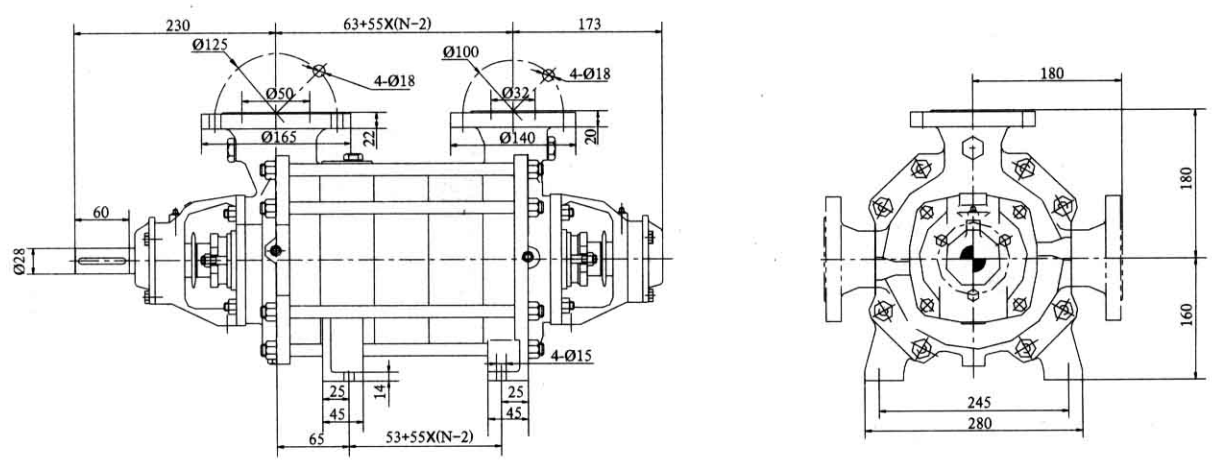
KDW32(2900rpm) TECHNICAL DATA

PUMP INSTALL DIAGRAM



pump size	motor		L	LW	W1	W2	W	H1	H	X	S	bedplate code
	type	power(kW)										
32X2	Y132S2-2	7.5	945	21.5	200	645	1045	180	272	385	18	1A-28
	Y132S1-2	5.5	945	21.5	200	645	1045	180	272	385	18	1A-28
32X3	Y160M1-2	11	1125	-3	280	870	1440	180	318	425	18	2A-0
32X4	Y160M2-2	15	1180	24.5	280	870	1440	180	318	425	18	2A-0
	Y160M1-2	11	1180	24.5	280	870	1440	180	318	425	18	2A-0
32X5	Y160L-2	18.5	1280	52	280	870	1440	180	318	425	18	2A-0
	Y160M2-2	15	1235	52	280	870	1440	180	318	425	18	2A-0
32X6	Y180M-2	22	1360	79.5	280	870	1440	180	338	425	18	2B-20
	Y160L-2	18.5	1335	79.5	280	870	1440	180	318	425	18	2A-0
32X7	Y200L1-2	30	1520	268	380	825	1585	180	380	565	24	6B-40
	Y180M-2	22	1415	107	280	870	1440	180	338	425	18	2B-20
32X8	Y200L1-2	30	1575	295.5	380	825	1585	180	380	565	24	6B-40
32X9	Y200L1-2	30	1630	323	380	825	1585	180	380	565	24	6B-40
32X10	Y200L2-2	37	1685	198.5	400	990	1790	180	380	485	24	7B-40
32X11	Y200L2-2	37	1740	226	400	990	1790	180	380	485	24	7B-40

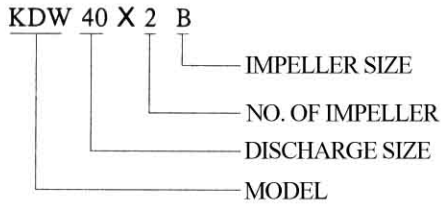
OVERALL AND MOUNTING DIMENSIONS DRAWING



KDW40(1450rpm) TECHNICAL DATA

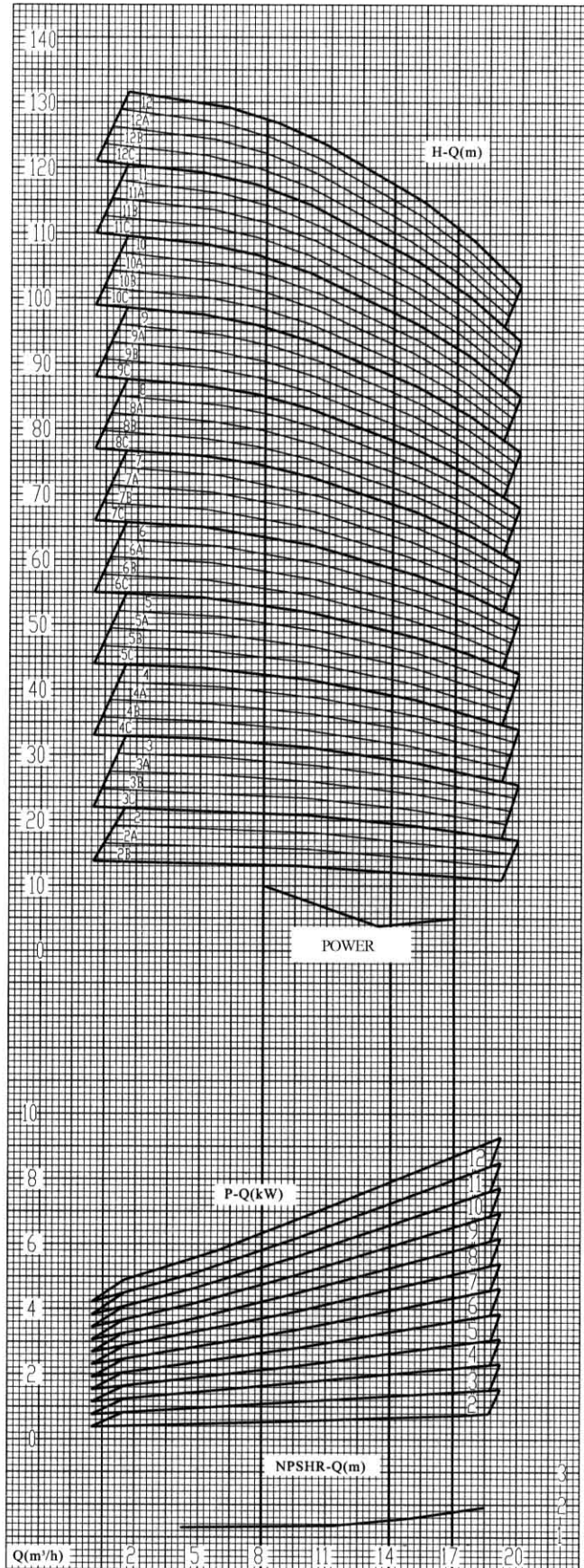
MODEL : KDW40

SPEED : n=1450rpm



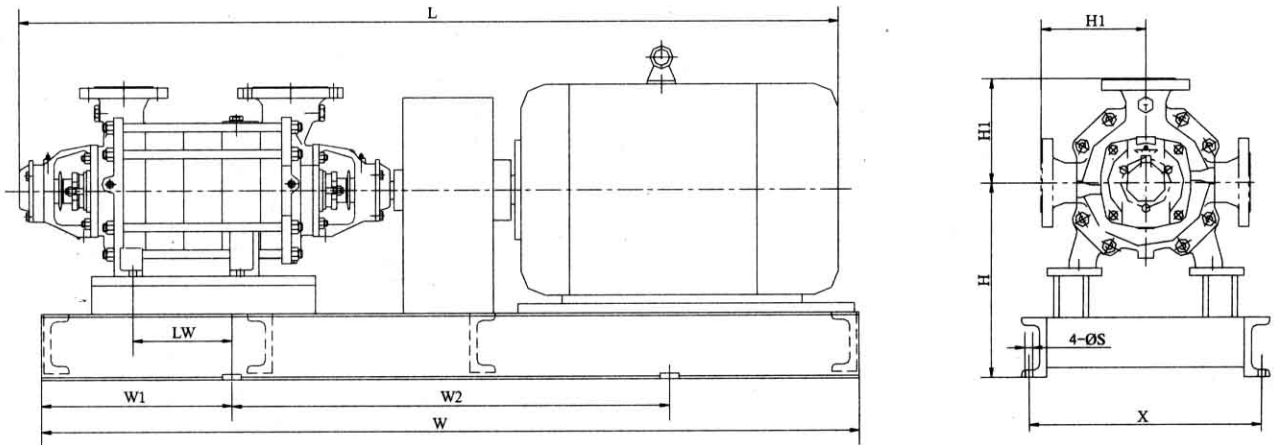
Model	Capacity		Head (m)	Power (kW)
	(m ³ /h)	(L/s)		
40x2Z			19	2.2
40x2A			16.6	1.5
40x2B			14.3	1.5
40x3Z			28.5	3
40x3A			26	2.2
40x3B			23.8	2.2
40x3C			21.4	2.2
40x4Z			38	4
40x4A			35.6	3
40x4B			33.3	3
40x4C			31	3
40x5Z			47.5	5.5
40x5A			45	4
40x5B			42.8	4
40x5C			40.4	4
40x6Z			57	5.5
40x6A			54.6	5.5
40x6B			52.3	5.5
40x6C			50	5.5
40x7Z			66.5	7.5
40x7A			64.1	5.5
40x7B	15	4.17	61.8	5.5
40x7C			59.4	5.5
40x8Z			76	7.5
40x8A			73.6	7.5
40x8B			71.3	7.5
40x8C			69	7.5
40x9Z			85.5	7.5
40x9A			83.1	7.5
40x9B			80.8	7.5
40x9C			78.4	7.5
40x10Z			95	11
40x10A			92.6	11
40x10B			90.3	11
40x10C			88	11
40x11Z			104.5	11
40x11A			102	11
40x11B			100	11
40x11C			97.4	11
40x12Z			114	11
40x12A			111.6	11
40x12B			109.3	11
40x12C			107	11

PERFORMANCE CURVES



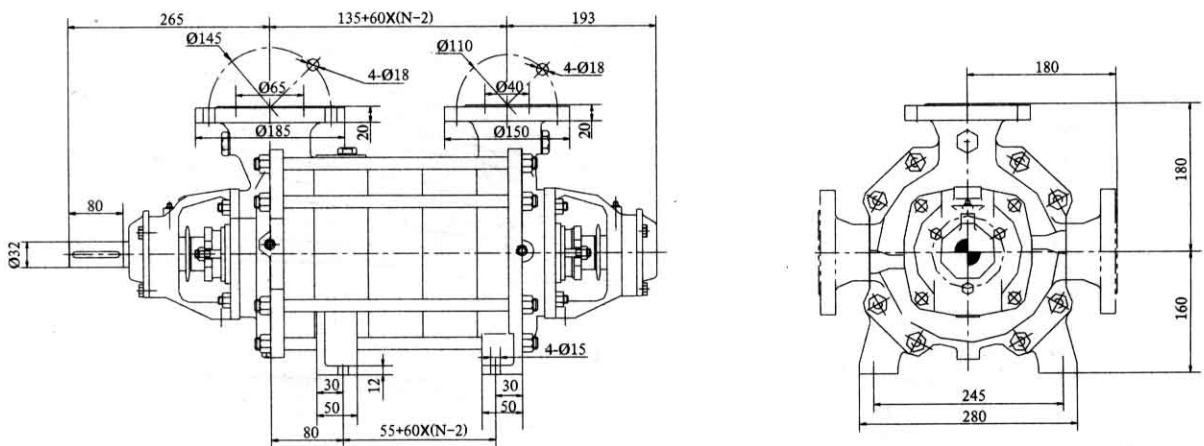
KDW40(1450rpm) TECHNICAL DATA

PUMP INSTALL DIAGRAM



pump size	motor		L	LW	W1	W2	W	H1	H	X	S	bedplate code
	type	power(kW)										
40X2	Y100L1-4	2.2	1003	22.5	200	645	1045	180	252	385	18	1A-60
	Y90L-4	1.5	958	22.5	200	645	1045	180	252	385	18	1A-70
40X3	Y100L2-4	3	1063	52.5	200	645	1045	180	252	385	18	1A-60
	Y100L1-4	2.2	1063	52.5	200	645	1045	180	252	385	18	1A-60
40X4	Y112M-4	4	1143	82.5	200	645	1045	180	252	385	18	1A-48
	Y100L2-4	3	1123	82.5	200	645	1045	180	252	385	18	1A-60
40X5	Y132S-4	5.5	1278	60.5	280	870	1440	180	298	425	18	2A-28
	Y112M-4	4	1203	60.5	280	870	1440	180	298	425	18	2A-48
40X6	Y132S-4	5.5	1338	90.5	280	870	1440	180	298	425	18	2A-28
40X7	Y132M-4	7.5	1358	120.5	280	870	1440	180	298	425	18	2A-28
	Y132S-4	5.5	1398	120.5	280	870	1440	180	298	425	18	2A-28
40X8	Y132M-4	7.5	1418	150.5	280	870	1440	180	298	425	18	2A-28
40X9	Y132M-4	7.5	1478	189.5	320	950	1590	180	312	420	24	3A-28
40X10	Y160M-4	11	1623	219.5	320	950	1590	180	312	420	24	3A-0
40X11	Y160M-4	11	1683	249.5	400	990	1790	180	320	420	24	7A-0
40X12	Y160M-4	11	1743	279.5	400	990	1790	180	320	420	24	7A-0

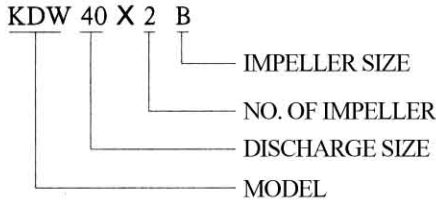
OVERALL AND MOUNTING DIMENSIONS DRAWING



KDW40(2900rpm) TECHNICAL DATA

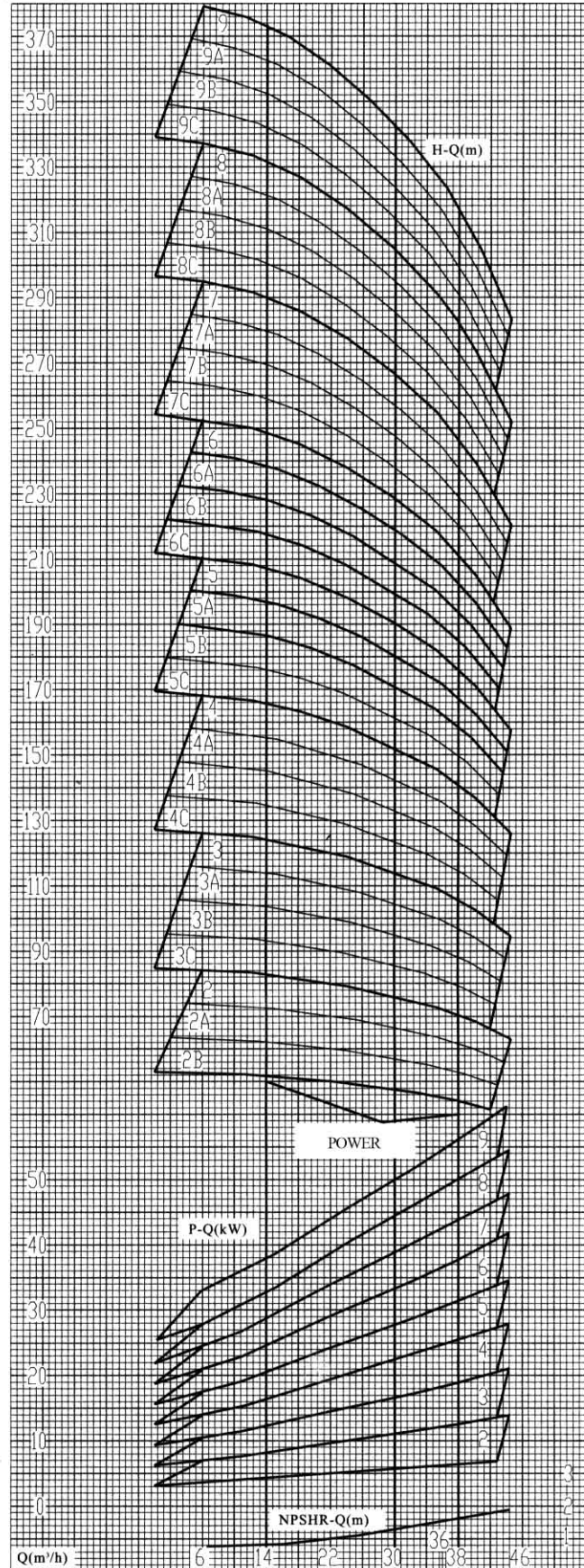
MODEL : KDW40

SPEED : n=2900rpm



Model	Capacity		Head (m)	Power (kW)
	(m ³ /h)	(L/s)		
40x2Z			76	2.2
40x2A			66.5	1.5
40x2B			57	1.5
40x3Z			114	3
40x3A			104.5	2.2
40x3B			95	2.2
40x3C			85.5	2.2
40x4Z			152	4
40x4A			142.5	3
40x4B			133	3
40x4C			123.5	3
40x5Z			190	5.5
40x5A			180.5	4
40x5B			171	4
40x5C			161.5	4
40x6Z	30	8.3	228	5.5
40x6A			218.5	5.5
40x6B			209	5.5
40x6C			199.5	5.5
40x7Z			266	7.5
40x7A			256.5	5.5
40x7B			247	5.5
40x7C			237.5	5.5
40x8Z			304	7.5
40x8A			294.5	7.5
40x8B			285	7.5
40x8C			275.5	7.5
40x9Z			342	7.5
40x9A			332.5	7.5
40x9B			323	7.5
40x9C			313.5	7.5

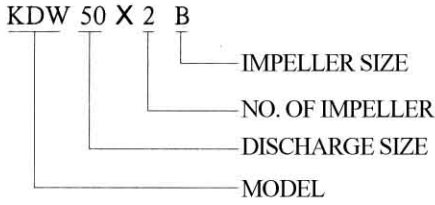
PERFORMANCE CURVES



KDW50(1450rpm) TECHNICAL DATA

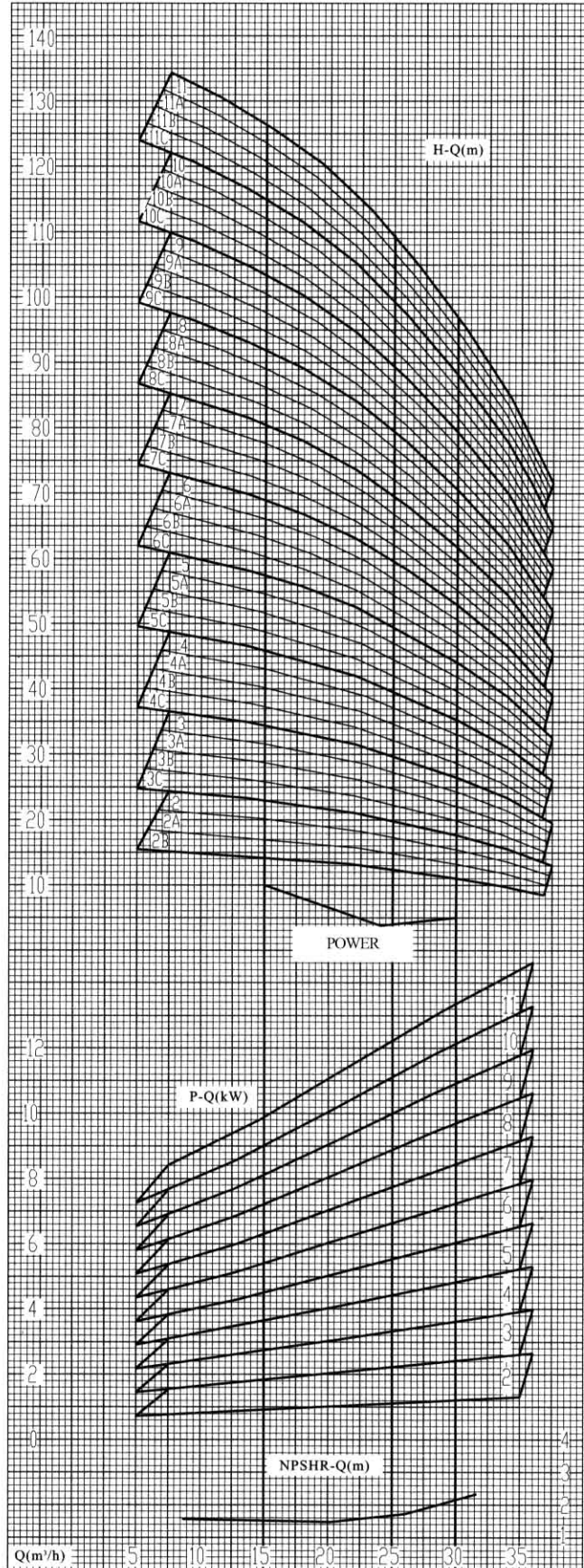
MODEL : KDW50

SPEED : n=1450rpm



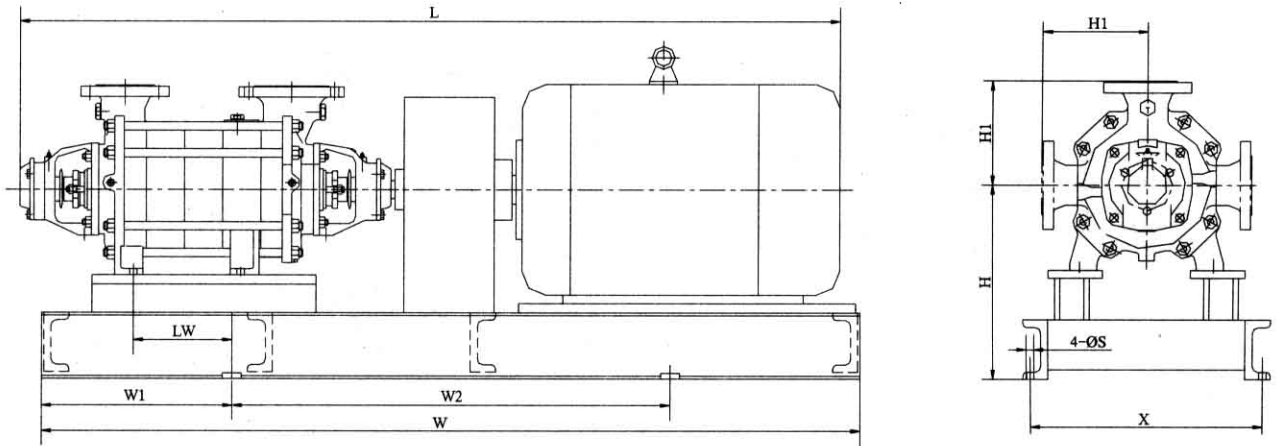
Model	Capacity		Head (m)	Power (kW)
	(m ³ /h)	(L/s)		
50x2Z			20	3
50x2A			17.5	3
50x2B			15	2.2
50x3Z			30	4
50x3A			27.5	4
50x3B			25	4
50x3C			22.5	3
50x4Z			40	7.5
50x4A			37.5	5.5
50x4B			35	5.5
50x4C			32.5	5.5
50x5Z			50	7.5
50x5A			47.5	7.5
50x5B			45	7.5
50x5C			42.5	7.5
50x6Z			60	11
50x6A			57.5	11
50x6B			55	7.5
50x6C			52.5	7.5
50x7Z	25	6.94	70	11
50x7A			67.5	11
50x7B			65	11
50x7C			62.5	11
50x8Z			80	11
50x8A			77.5	11
50x8B			75	11
50x8C			72.5	11
50x9Z			90	15
50x9A			87.5	15
50x9B			85	15
50x9C			82.5	11
50x10Z			100	15
50x10A			97.5	15
50x10B			95	15
50x10C			92.5	15
50x11Z			110	15
50x11A			108	15
50x11B			105	15
50x11C			103	15

PERFORMANCE CURVES



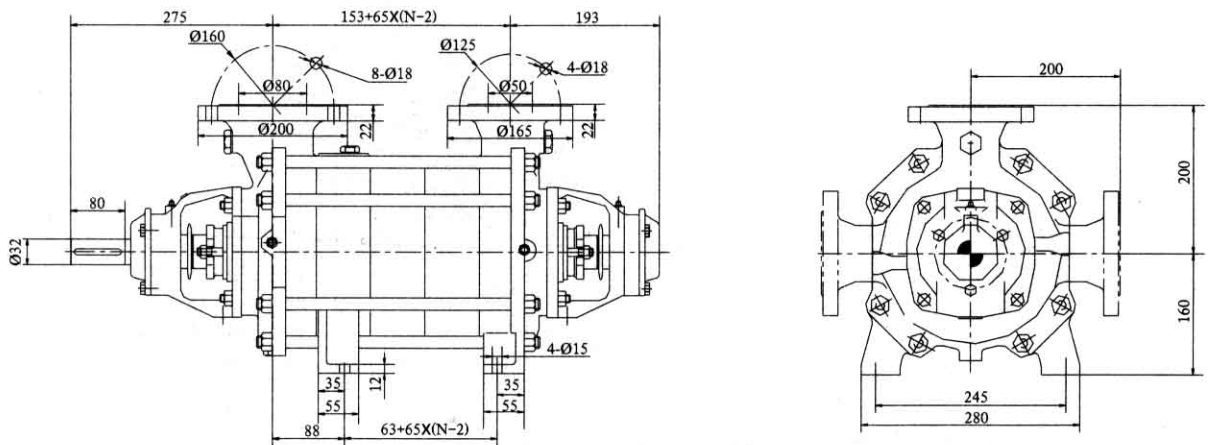
KDW50(1450rpm) TECHNICAL DATA

PUMP INSTALL DIAGRAM



pump size	motor		L	LW	W1	W2	W	H1	H	X	S	bedplate code
	type	power(kW)										
50X2	Y100L2-4	3	1036	26.5	200	645	1045	200	252	385	18	1A-60
	Y100L1-4	2.2	1036	26.5	200	645	1045	200	252	385	18	1A-60
50X3	Y112M-4	4	1121	59	200	645	1045	200	252	385	18	1A-48
	Y100L2-4	3	1101	59	200	645	1045	200	252	385	18	1A-60
50X4	Y132M-4	7.5	1301	39.5	320	950	1590	200	298	425	18	2A-28
	Y132S-4	5.5	1261	39.5	320	950	1590	200	298	425	18	2A-28
50X5	Y132M-4	7.5	1366	72	320	950	1590	200	298	425	18	2A-28
50X6	Y160M-4	11	1516	65.5	280	870	1440	200	320	420	24	3A-0
	Y132M-4	7.5	1431	104.5	320	950	1590	200	298	425	18	2A-28
50X7	Y160M-4	11	1581	98	320	950	1590	200	320	420	24	3A-0
50X8	Y160M-4	11	1646	130.5	320	950	1590	200	320	420	24	3A-0
50X9	Y160L-4	15	1756	163	320	950	1590	200	320	420	24	3A-0
	Y160M-4	11	1711	163	320	950	1590	200	320	420	24	3A-0
50X10	Y160L-4	15	1821	195.5	400	990	1790	200	320	485	24	7A-0
50X11	Y160L-4	15	2091	228	400	990	1790	200	320	485	24	7A-0

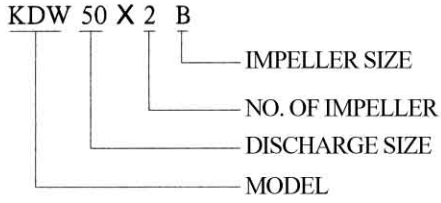
OVERALL AND MOUNTING DIMENSIONS DRAWING



KDW50(2900rpm) TECHNICAL DATA

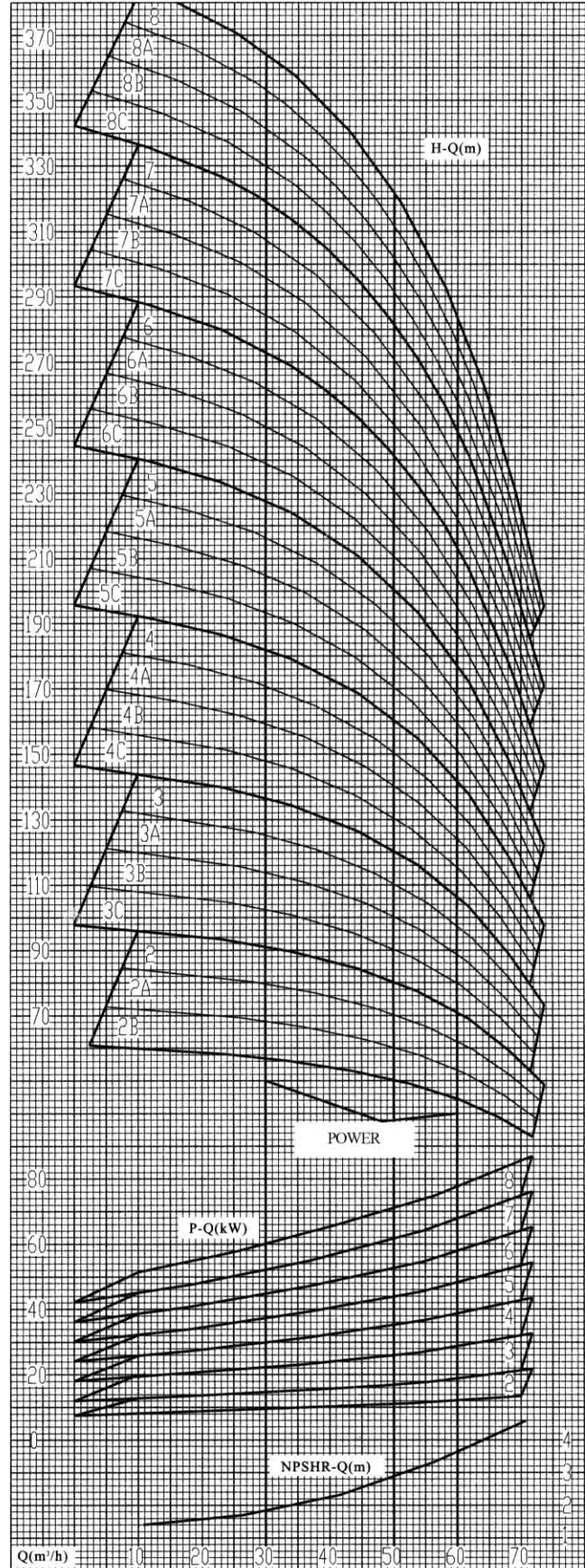
MODEL : KDW50

SPEED : n=2900rpm



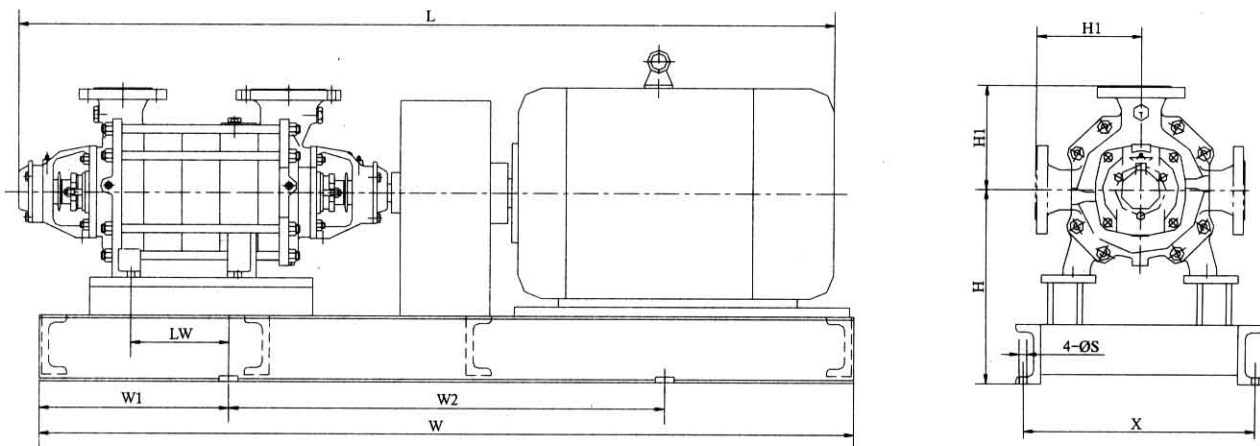
Model	Capacity		Head (m)	Power (kW)
	(m ³ /h)	(L/s)		
50x2Z			80	3
50x2A			70	3
50x2B			60	2.2
50x3Z			120	4
50x3A			110	4
50x3B			100	4
50x3C			90	3
50x4Z			160	7.5
50x4A			150	5.5
50x4B			140	5.5
50x4C			130	5.5
50x5Z			200	7.5
50x5A			190	7.5
50x5B	50	13.9	180	7.5
50x5C			170	7.5
50x6Z			240	11
50x6A			230	11
50x6B			220	7.5
50x6C			210	7.5
50x7Z			280	11
50x7A			270	11
50x7B			260	11
50x7C			250	11
50x8Z			320	11
50x8A			310	11
50x8B			300	11
50x8C			290	11

PERFORMANCE CURVES



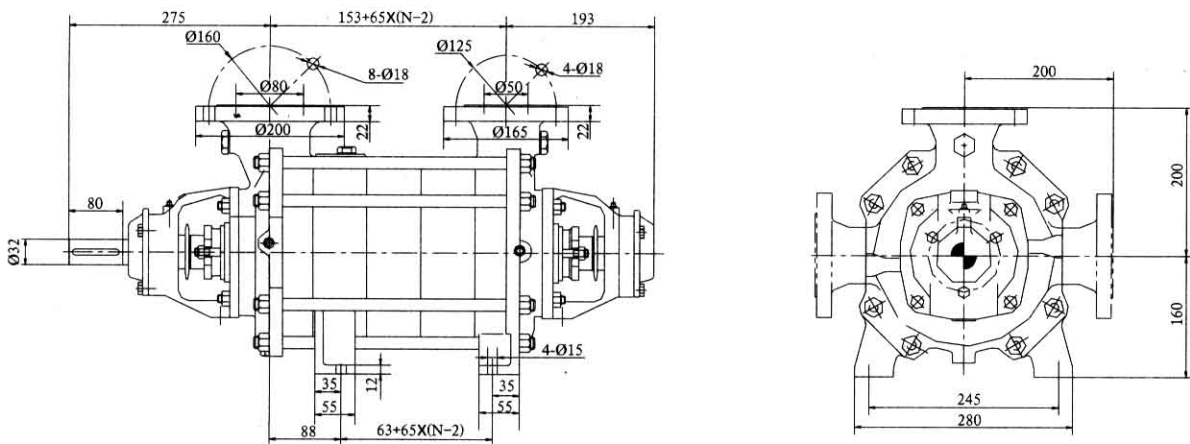
KDW50(2900rpm) TECHNICAL DATA

PUMP INSTALL DIAGRAM



pump size	motor		L	LW	W1	W2	W	H1	H	X	S	bedplate code
	type	power(kW)										
50X2	Y180M-2	22	1316	-22.5	280	870	1440	200	318	425	18	2B-20
	Y160L-2	18.5	1301	-22.5	280	870	1440	200	298	425	18	2A-0
	Y160M2-2	15	1256	-22.5	280	870	1440	200	298	425	18	2A-0
50X3	Y200L2-2	37	1491	148	280	780	1340	200	346	565	24	5B-40
	Y200L1-2	30	1491	148	280	780	1340	200	346	565	24	5B-40
50X4	Y225M-2	45	1661	233	380	825	1585	200	385	555	24	6B-65
	Y200L2-2	37	1491	179.5	280	780	1340	200	346	565	24	5B-40
50X5	Y250M-2	55	1776	233	380	825	1580	200	410	555	24	6B-90
	Y225M-2	45	1661	233	380	825	1580	200	385	555	24	6B-65
50X6	Y280S-2	75	1911	251.5	400	920	1720	200	440	720	24	11B-120
	Y250M-2	55	1841	153.5	400	1005	1805	200	410	570	28	8B-90
50X7	Y280S-2	75	1976	283	400	920	1720	200	440	720	24	11B-120
50X8	Y280M-2	90	2091	241.5	450	1190	2090	200	440	730	28	12B-120

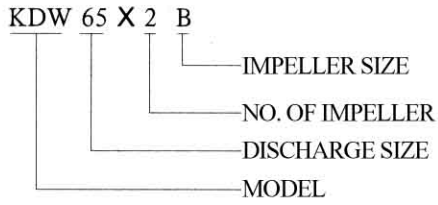
OVERALL AND MOUNTING DIMENSIONS DRAWING



KDW65(1450rpm) TECHNICAL DATA

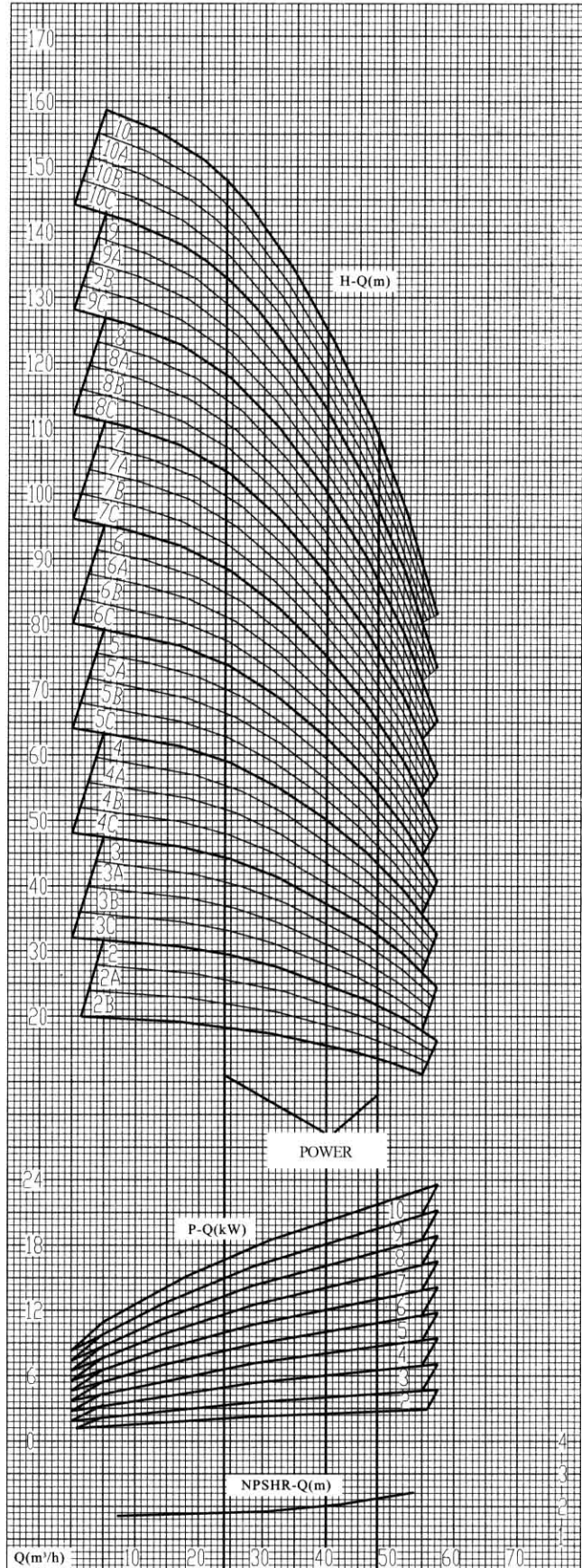
MODEL : KDW65

SPEED : n=1450rpm



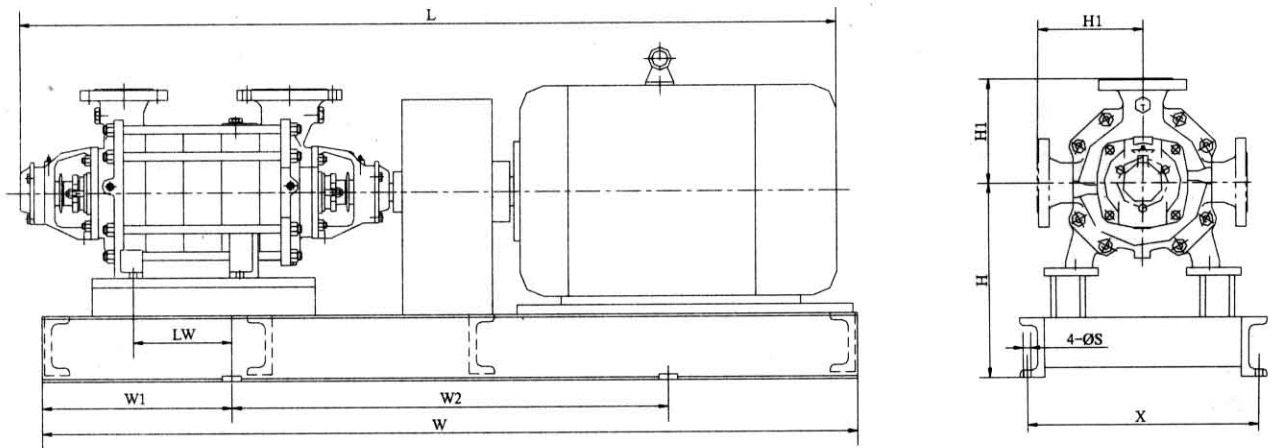
Model	Capacity		Head (m)	Power (kW)
	(m ³ /h)	(L/s)		
65x2Z			25	5.5
65x2A			21.9	5.5
65x2B			18.8	4
65x3Z			37.5	7.5
65x3A			34.4	7.5
65x3B			31.3	7.5
65x3C			28.1	5.5
65x4Z			50	11
65x4A			46.9	11
65x4B			43.8	11
65x4C			40.6	7.5
65x5Z			62.5	15
65x5A			59.4	11
65x5B			56.3	11
65x5C			53.1	11
65x6Z			75	15
65x6A	40	11.1	71.9	15
65x6B			68.8	15
65x6C			65.6	15
65x7Z			87.5	18.5
65x7A			84.4	18.5
65x7B			81.3	18.5
65x7C			78.1	15
65x8Z			100	22
65x8A			96.9	18.5
65x8B			93.8	18.5
65x8C			90.6	18.5
65x9Z			112.5	22
65x9A			109.4	22
65x9B			106.3	22
65x9C			125	22
65x10Z			121.9	30
65x10A			118.8	30
65x10B			115.6	30
65x10C			92.5	22

PERFORMANCE CURVES



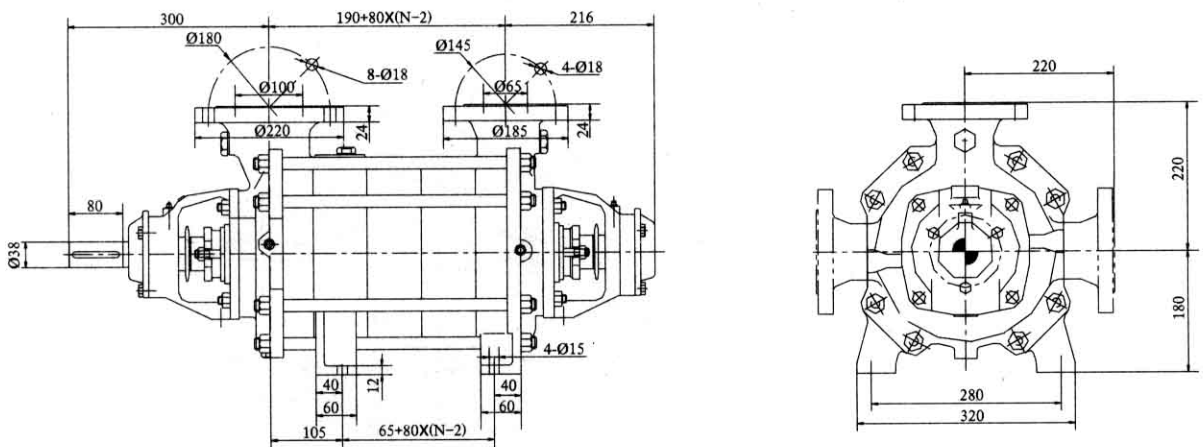
KDW65(1450rpm) TECHNICAL DATA

PUMP INSTALL DIAGRAM



pump size	motor		L	LW	W1	W2	W	H1	H	X	S	bedplate code
	type	power(kW)										
65X2	Y132S-4	5.5	1185	27.5	200	645	1045	220	272	385	18	1A-48
	Y112M-4	4.0	1110	27.5	200	645	1045	220	272	385	18	1A-68
65X3	Y132M-4	7.5	1305	15.5	280	870	1440	220	318	425	18	2A-48
	Y132S-4	5.5	1265	15.5	280	870	1440	220	318	425	18	2A-48
65X4	Y160M-4	11.0	1470	55.5	280	870	1440	220	318	425	18	2A-20
	Y132M-4	7.5	1385	55.5	280	870	1440	220	318	425	18	2A-48
65X5	Y160L-4	15.0	1595	104.5	320	950	1590	220	332	420	24	3A-20
	Y160M-4	11.0	1550	104.5	320	950	1590	220	332	420	24	3A-20
65X6	Y160L-4	15.0	1675	144.5	320	950	1590	220	332	420	24	3A-20
65X7	Y180M-4	18.5	1770	184.5	320	950	1590	220	332	420	24	3A-0
	Y160L-4	15.0	1755	184.5	320	950	1590	220	332	420	24	3A-20
65X8	Y180L-4	22.0	1890	224.5	400	990	1790	220	340	485	24	7A-0
	Y180M-4	18.5	1850	224.5	400	990	1790	220	340	485	24	7A-0
65X9	Y180L-4	22.0	1970	264.5	400	990	1790	220	340	485	24	7A-0
65X10	Y200L-4	30.0	2110	314.5	450	1045	1945	220	360	555	28	9B-20
	Y180L-4	22.0	2050	314.5	450	1045	1945	220	340	555	28	9B-0

OVERALL AND MOUNTING DIMENSIONS DRAWING

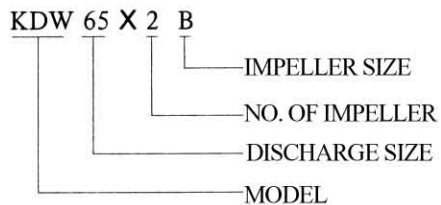


KDW65(2900rpm) TECHNICAL DATA

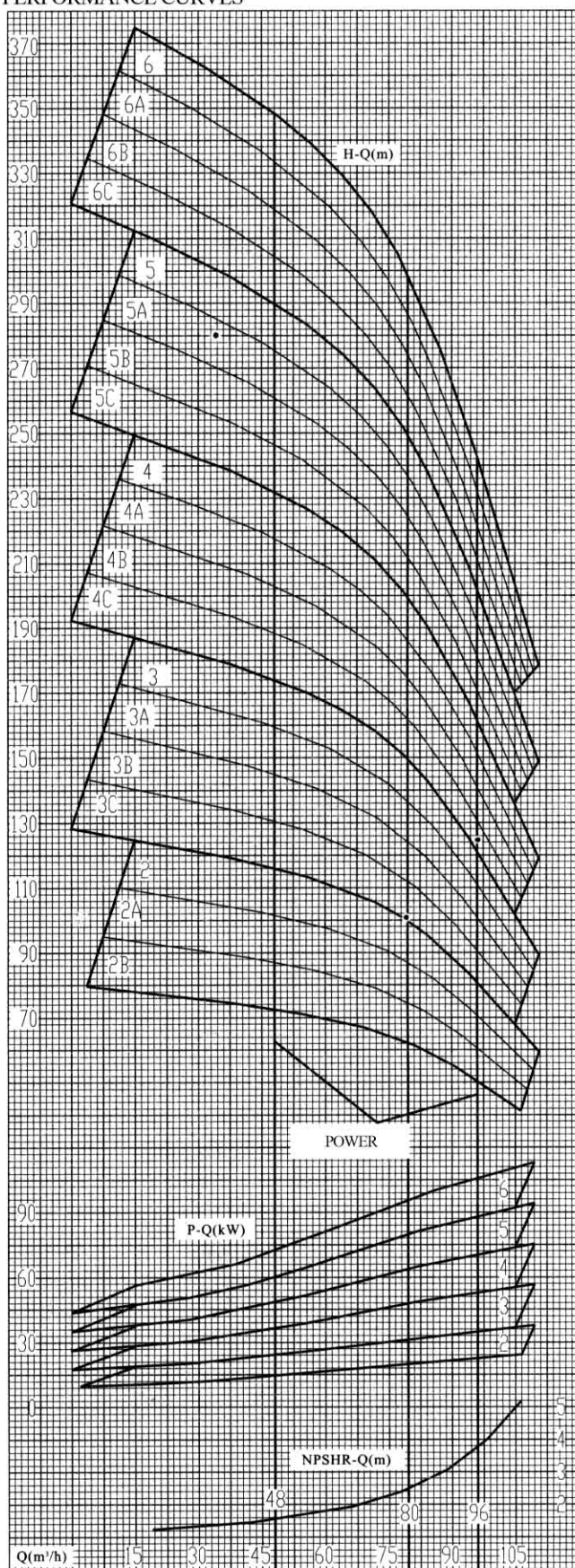
MODEL : KDW65

SPEED : n=2900rpm

PERFORMANCE CURVES

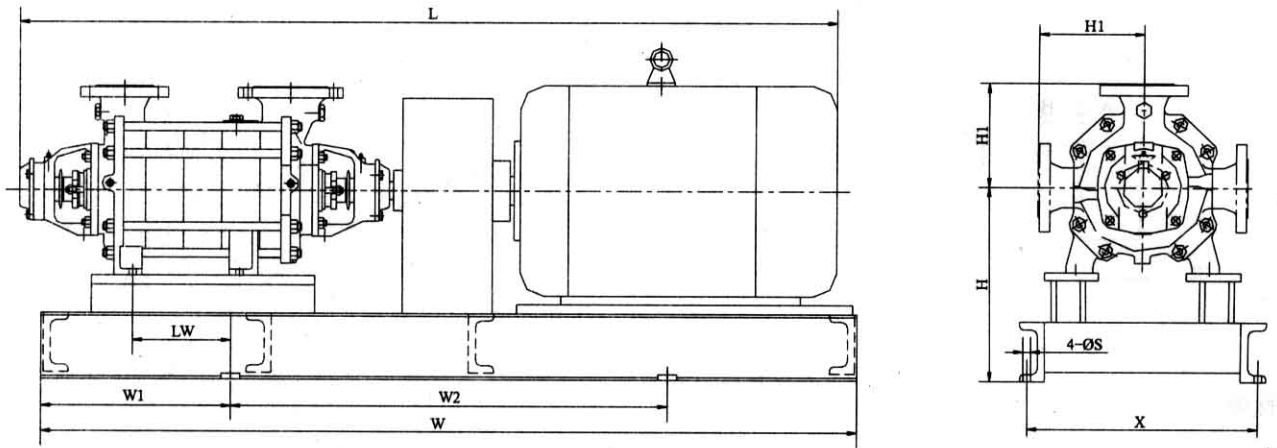


Model	Capacity		Head (m)	Power (kW)
	(m ³ /h)	(L/s)		
65x2Z			100	45
65x2A			87.5	37
65x2B			75	30
65x3Z			150	55
65x3A			137.5	55
65x3B			125	55
65x3C			112.5	45
65x4Z			200	75
65x4A			187.5	75
65x4B	80	22.2	175	75
65x4C			162.5	75
65x5Z			250	110
65x5A			237.5	90
65x5B			225	90
65x5C			212.5	90
65x6Z			300	132
65x6A			287.5	110
65x6B			275	110
65x6C			262.5	110



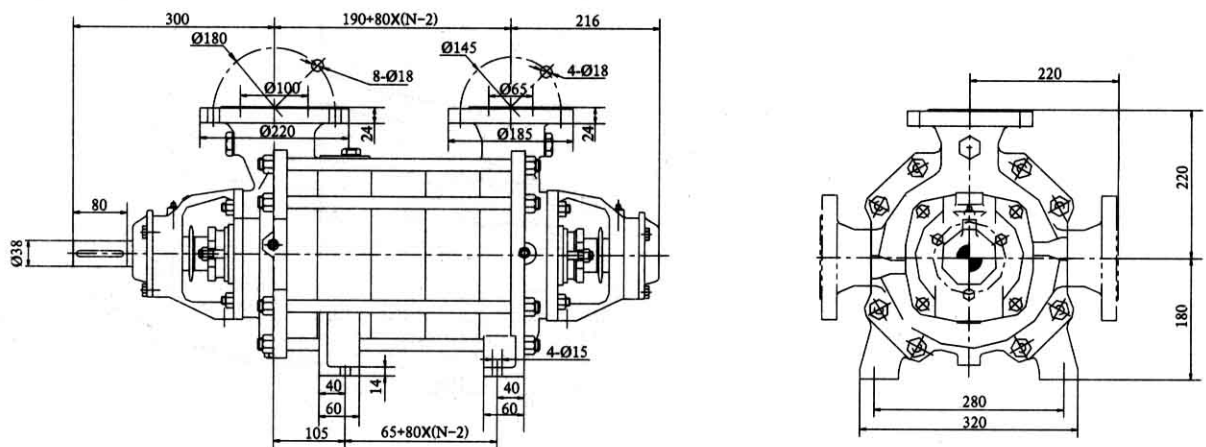
KDW65(2900rpm) TECHNICAL DATA

PUMP INSTALL DIAGRAM



pump size	motor		L	LW	W1	W2	W	H1	H	X	S	bedplate code
	type	power(kW)										
65X2	Y225M-2	45	1525	116.5	280	780	1340	220	371	565	24	5B-45
	Y200L2-2	37	1485	116.5	280	780	1340	220	346	565	24	5B-20
	Y200L1-2	30	1485	116.5	280	780	1340	220	346	565	24	5B-20
65X3	Y250M-2	55	1720	175.5	380	825	1585	220	410	565	24	6B-70
	Y225M-2	45	1605	175.5	380	825	1585	220	385	565	24	6B-45
65X4	Y280S-2	75	1870	267.5	400	920	1720	220	440	720	24	11B-100
65X5	Y315S-2	110	2140	167.5	450	1190	2090	220	475	730	28	12B-135
	Y280M-2	90	1950	307.5	400	920	1720	220	440	720	24	11B-100
65X6	Y315M1-2	132	2270	207.5	450	1190	2090	220	475	730	28	12B-135
	Y315S-2	110	2220	207.5	450	1190	2090	220	475	730	28	12B-135

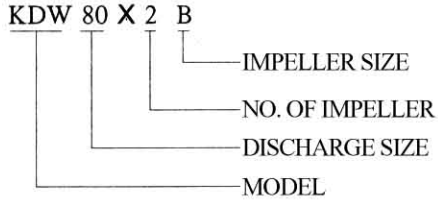
OVERALL AND MOUNTING DIMENTIONS DRAWING



KDW80(1450rpm) TECHNICAL DATA

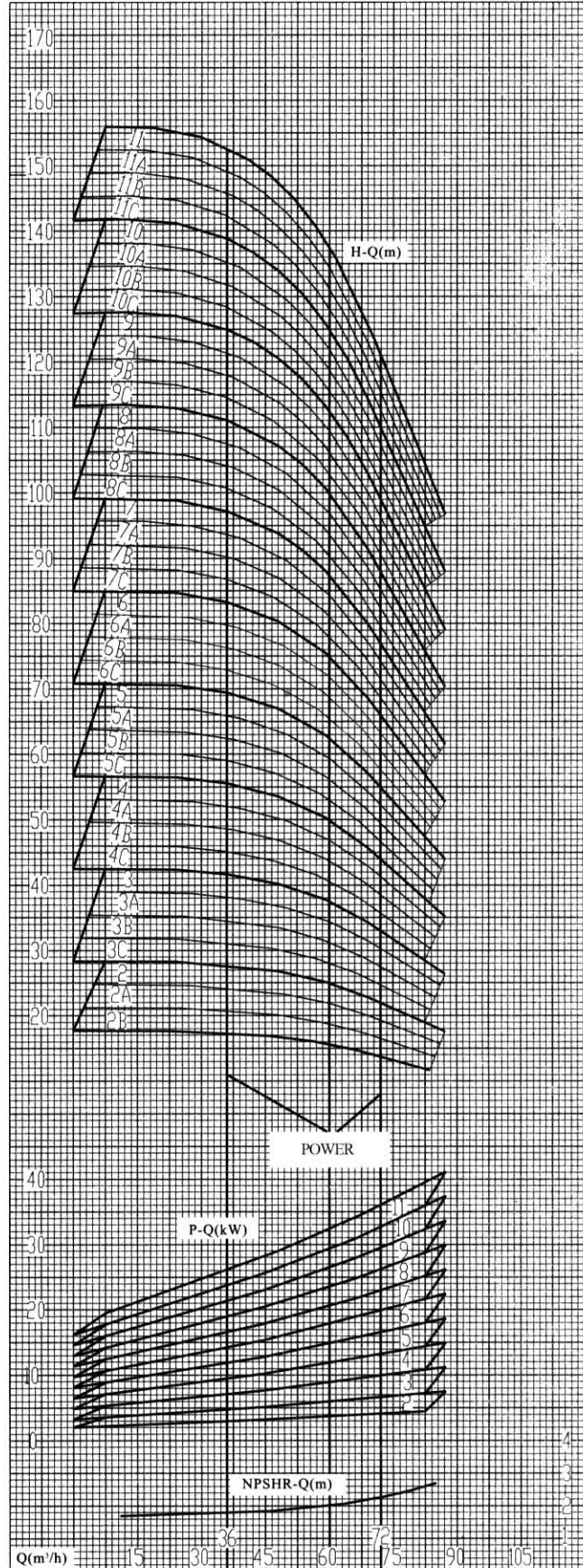
MODEL : KDW80

SPEED : n=1450rpm



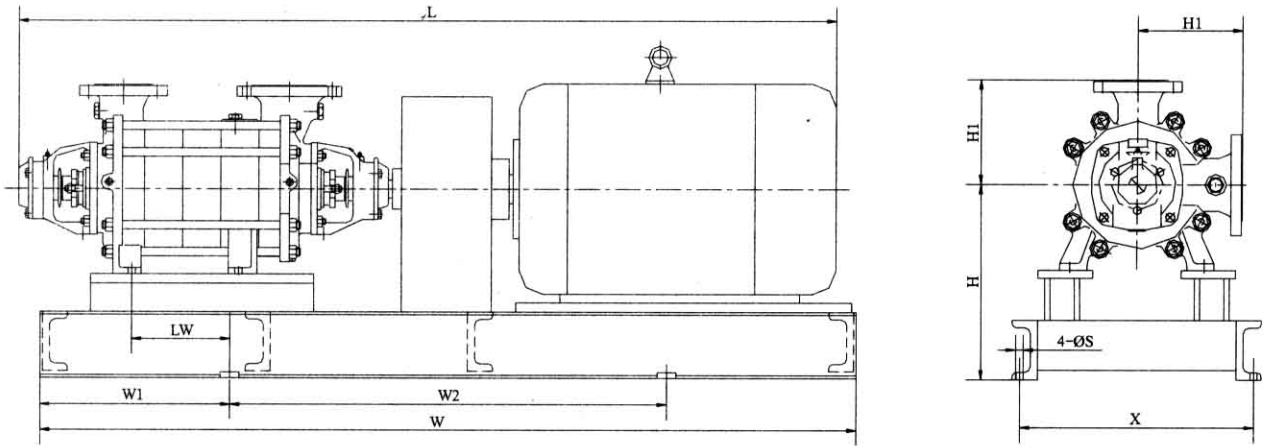
Model	Capacity		Head (m)	Power (kW)
	(m³/h)	(L/s)		
80x2Z			25	11
80x2A			21.9	7.5
80x2B			18.8	7.5
80x3Z			37.5	15
80x3A			34.4	11
80x3B			31.3	11
80x3C			28.1	11
80x4Z			50	18.5
80x4A			46.9	15
80x4B			43.8	15
80x4C			40.6	15
80x5Z			62.5	22
80x5A			59.4	22
80x5B			56.3	18.5
80x5C			53.1	18.5
80x6Z			75	30
80x6A			71.9	30
80x6B			68.8	22
80x6C			65.6	22
80x7Z	60	16.7	87.5	30
80x7A			84.4	30
80x7B			81.3	30
80x7C			78.1	30
80x8Z			100	37
80x8A			96.9	37
80x8B			93.8	30
80x8C			90.6	30
80x9Z			112.5	37
80x9A			109.4	37
80x9B			106.3	37
80x9C			103.1	37
80x10Z			125	45
80x10A			121.9	45
80x10B			118.8	45
80x10C			115.6	37
80x11Z			137.5	45
80x11A			134.4	45
80x11B			131.3	45
80x11C			128.1	45

PERFORMANCE CURVES



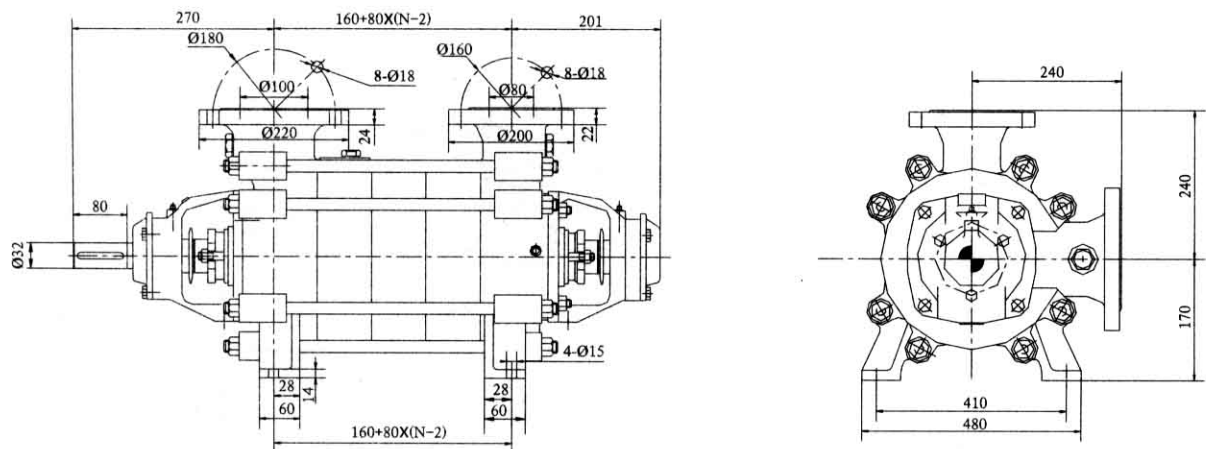
KDW80(1450rpm) TECHNICAL DATA

PUMP INSTALL DIAGRAM



pump size	motor		L	LW	W1	W2	W	H1	H	X	S	bedplate code
	type	power(kW)										
80X2	Y160M-4	11	1235	23	200	645	1045	240	308	425	18	2A-10
	Y132M-4	7.5	1150	75	200	645	1045	240	262	385	18	1A-38
80X3	Y160L-4	15	1320	63	200	645	1045	240	308	425	18	2A-10
	Y160M-4	11	1275	63	200	645	1045	240	308	425	18	2A-10
80X4	Y180M-4	18.5	1385	103	200	645	1045	240	328	425	18	2B-10
	Y160L-4	15	1360	103	200	645	1045	240	308	425	18	2A-10
80X5	Y180L-4	22	1465	152	320	950	1590	240	332	420	24	3B-10
	Y180M-4	18.5	1425	152	320	950	1590	240	332	420	24	3B-10
80X6	Y200L-4	30	1570	192	400	990	1790	240	360	485	24	7B-30
	Y180L-4	22	1505	192	320	950	1590	240	332	420	24	3B-10
80X7	Y200L-4	30	1610	232	400	990	1790	240	360	485	24	7B-30
80X8	Y225S-4	37	1695	272	400	990	1790	240	385	485	24	7B-55
	Y200L-4	30	1650	272	400	990	1790	240	360	485	24	7B-30
80X9	Y225S-4	37	1735	362	400	1005	1805	240	385	570	28	8B-55
80X10	Y225M-4	45	1800	322	450	1045	1945	240	385	555	28	9B-55
	Y225S-4	37	1775	322	450	1045	1945	240	385	555	28	9B-55
80X11	Y225M-4	45	1840	362	450	1045	1945	240	385	555	28	9B-55

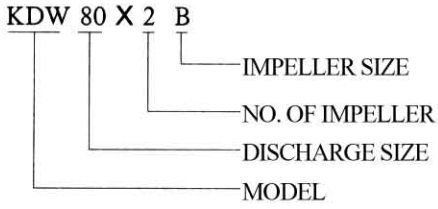
OVERALL AND MOUNTING DIMENSIONS DRAWING



KDW80(2900rpm) TECHNICAL DATA

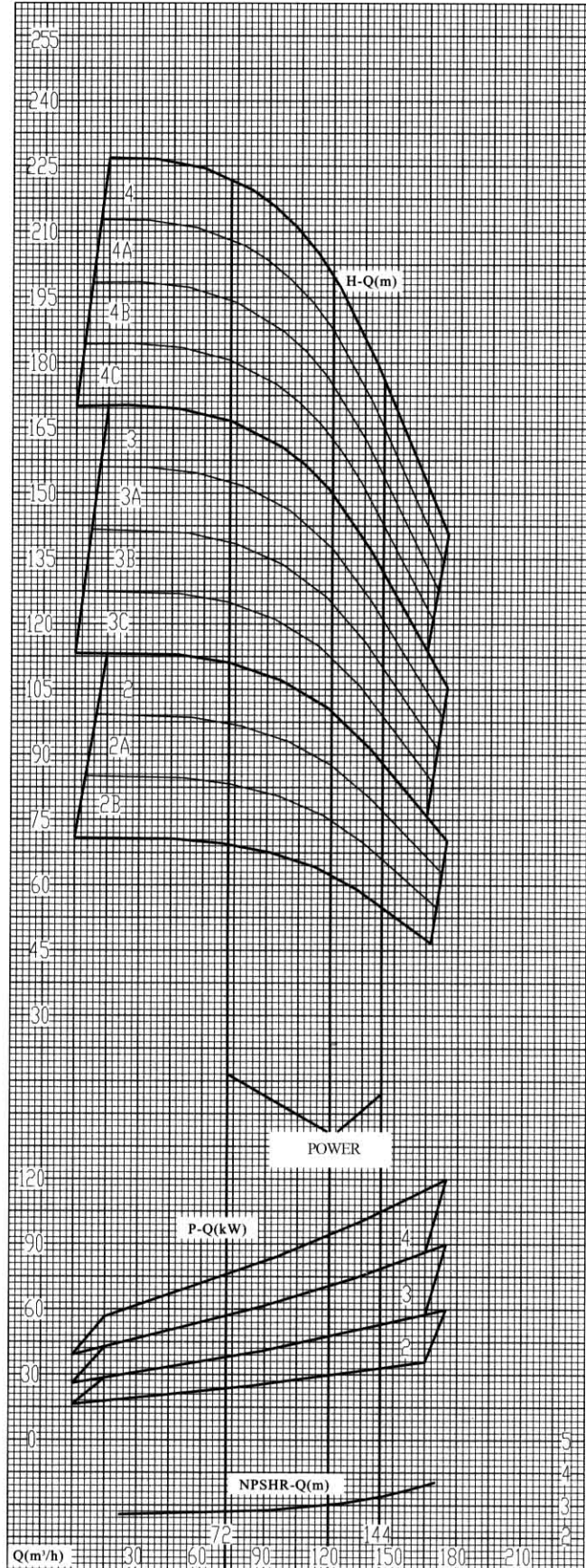
MODEL : KDW80

SPEED : n=2900rpm



Model	Capacity		Head (m)	Power (kW)
	(m ³ /h)	(L/s)		
80x2Z			100	75
80x2A			87.5	75
80x2B			75	55
80x3Z			150	110
80x3A			137.5	90
80x3B	120	33.3	125	90
80x3C			112.5	75
80x4Z			200	132
80x4A			187.5	132
80x4B			175	132
80x4C			162.5	110

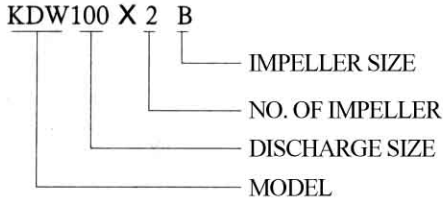
PERFORMANCE CURVES



KDW100(1450rpm) TECHNICAL DATA

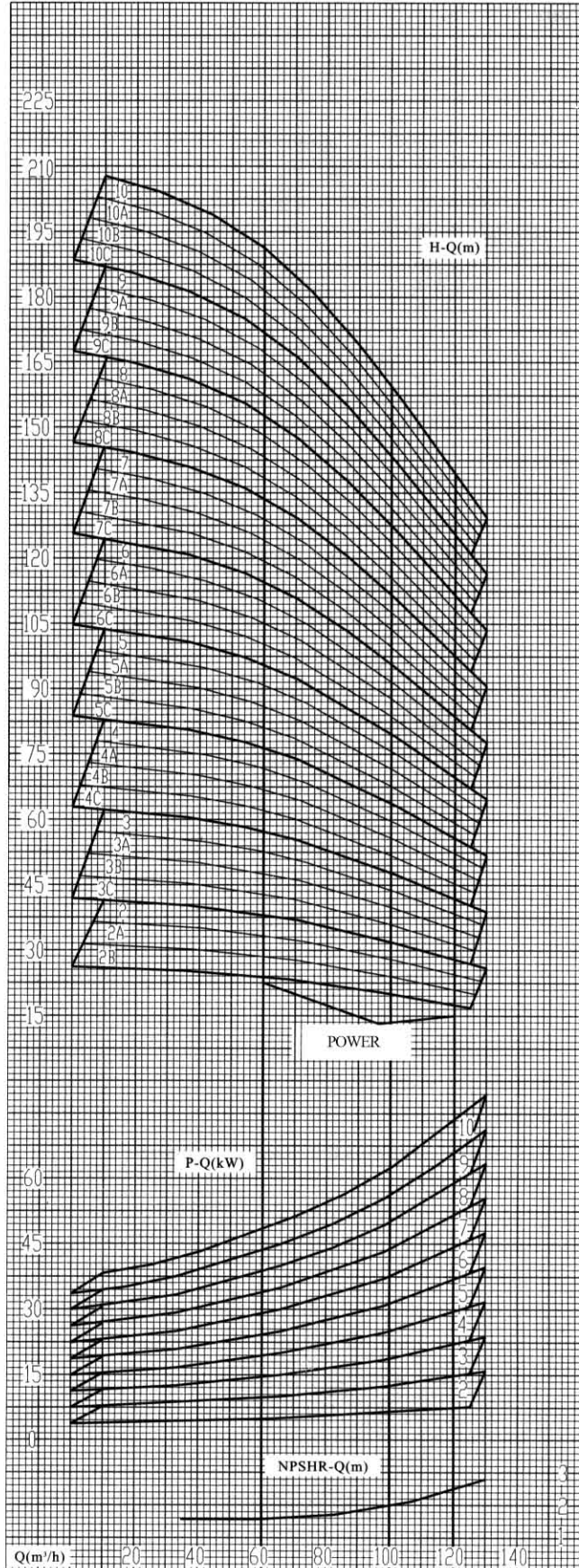
MODEL : KDW100

SPEED : n=1450rpm



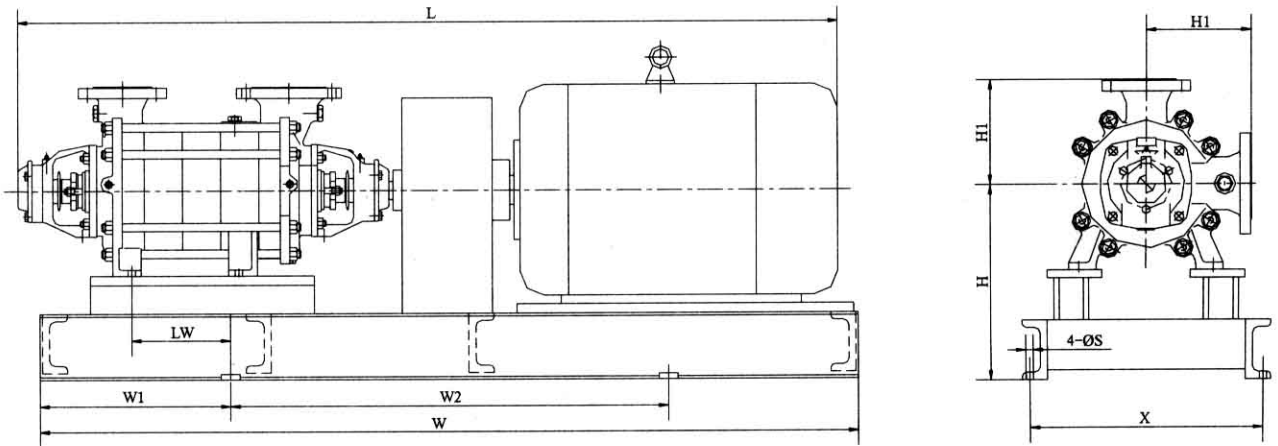
Model	Capacity		Head (m)	Power (kW)
	(m ³ /h)	(L/s)		
100x2Z			32	15
100x2A			28	15
100x2B			24	11
100x3Z			48	22
100x3A			44	22
100x3B			40	18.5
100x3C			36	18.5
100x4Z			64	30
100x4A			60	30
100x4B			56	30
100x4C			52	30
100x5Z			80	37
100x5A			76	37
100x5B			72	37
100x5C			68	37
100x6Z			96	45
100x6A			92	45
100x6B	100	27.87	88	45
100x6C			84	45
100x7Z			112	55
100x7A			108	55
100x7B			104	55
100x7C			100	55
100x8Z			128	75
100x8A			124	75
100x8B			120	75
100x8C			116	75
100x9Z			144	75
100x9A			140	75
100x9B			136	75
100x9C			132	75
100x10Z			160	75
100x10A			156	75
100x10B			152	75
100x10C			148	75

PERFORMANCE CURVES



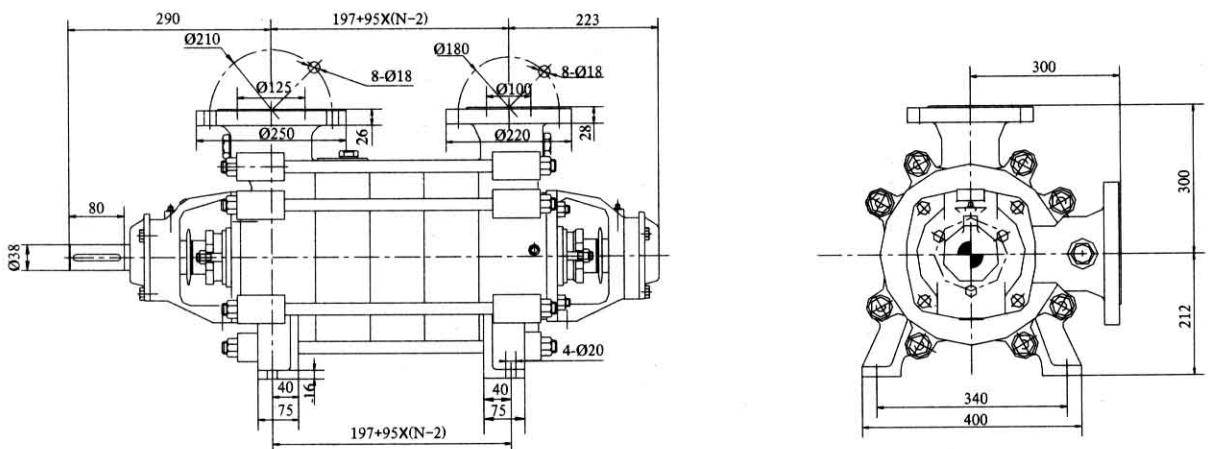
KDW100(1450rpm) TECHNICAL DATA

PUMP INSTALL DIAGRAM



pump size	motor		L	LW	W1	W2	W	H1	H	X	S	bedplate code
	type	power(kW)										
100X2	Y160L-4	15	1235	182.5	280	780	1340	300	372	565	24	5A-52
	Y160M-4	11	1150	182.5	280	780	1340	300	372	565	24	5A-52
100X3	Y180L-4	22	1320	230	280	780	1340	300	372	565	24	5A-52
	Y180M-4	18.5	1275	230	280	780	1340	300	372	565	24	5A-52
100X4	Y200L-4	30	1385	297.5	380	825	1585	300	372	555	24	6A-12
100X5	Y225S-4	37	1360	233	400	1005	1805	300	372	570	28	8B-13
100X6	Y225M-4	45	1465	280.5	400	1005	1805	300	372	570	28	8B-13
100X7	Y250M-4	55	1425	298	450	1045	1945	300	410	555	28	9B-38
100X8	Y280S-4	75	1570	398.5	450	1190	2090	300	440	730	28	12B-68
100X9	Y280S-4	75	—	—	—	—	—	—	—	—	—	—
100X10	Y280S-4	75	—	—	—	—	—	—	—	—	—	—

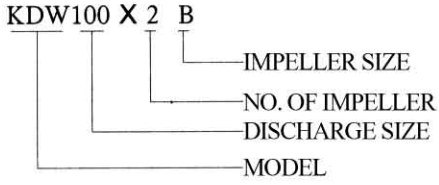
OVERALL AND MOUNTING DIMENSIONS DRAWING



KDW100(2900rpm) TECHNICAL DATA

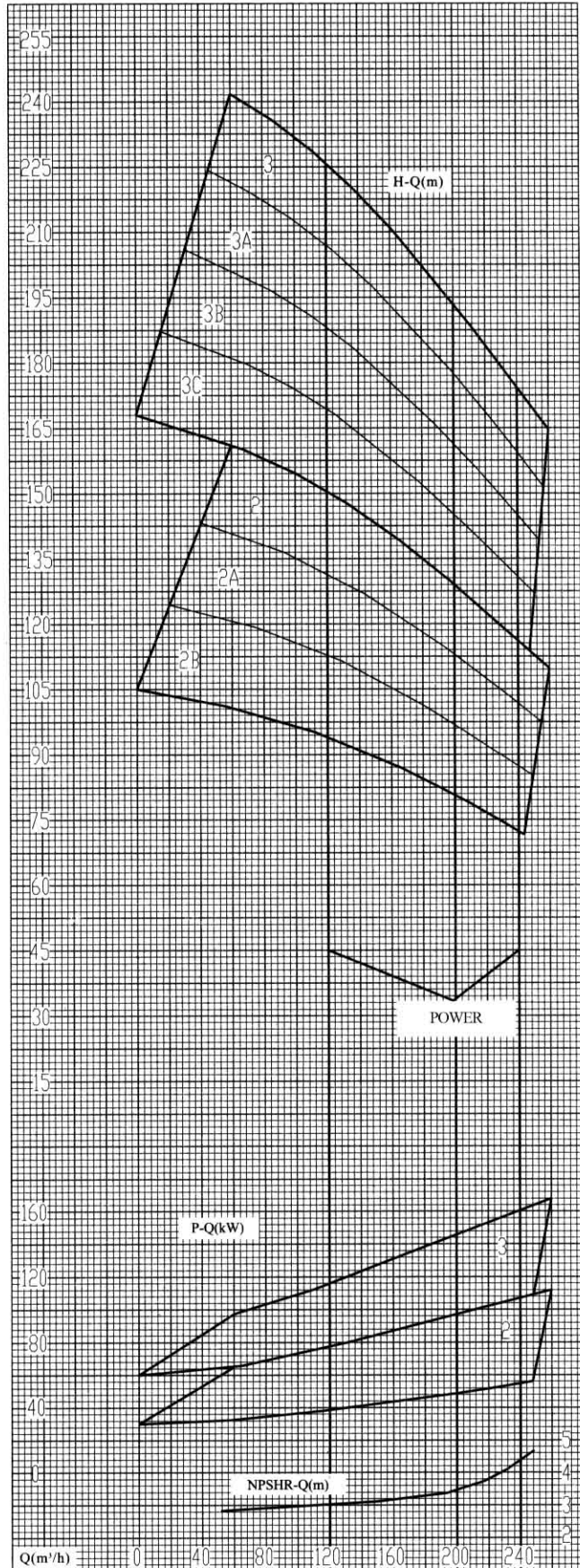
MODEL : KDW100

SPEED : n=2900rpm



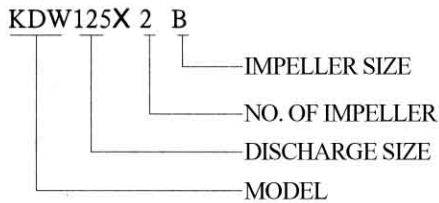
Model	Capacity		Head (m)	Power (kW)
	(m ³ /h)	(L/s)		
100x2Z			128	132
100x2A			112	110
100x2B			96	110
100x3Z	200	55.6	192	200
100x3A			176	200
100x3B			160	160
100x3C			144	160

PERFORMANCE CURVES



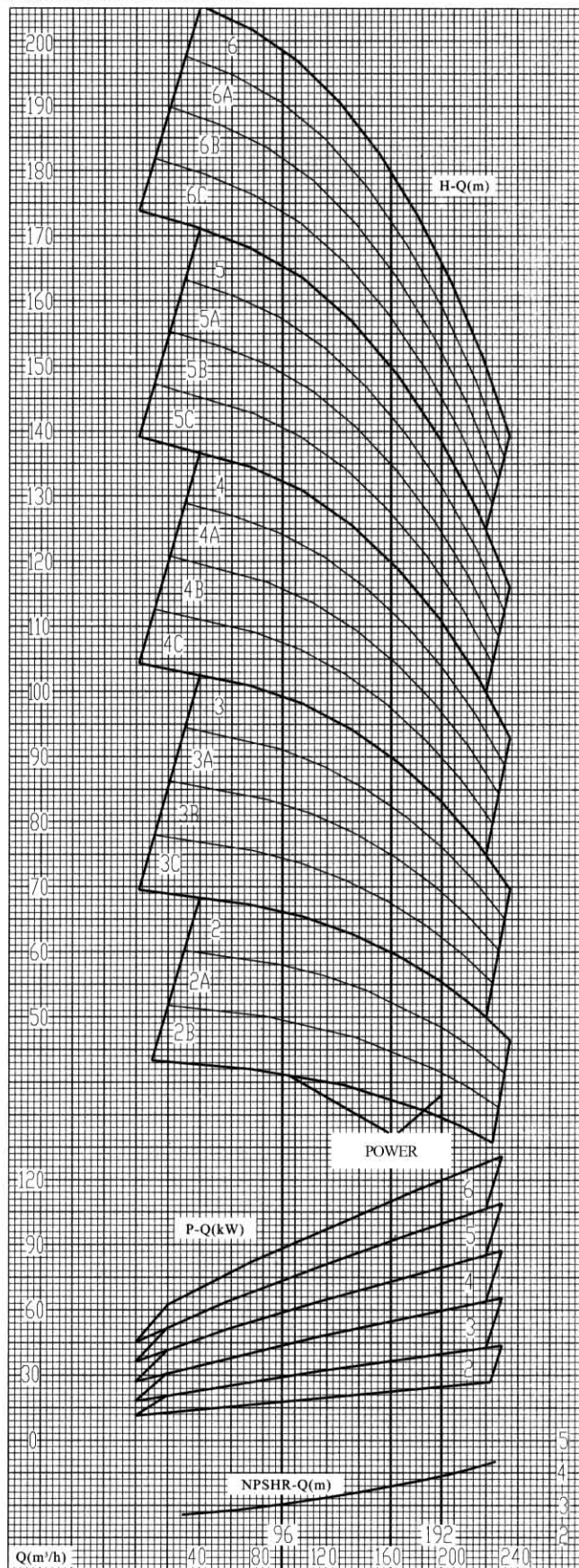
KDW125(1450rpm) TECHNICAL DATA

MODEL : KDW125
 SPEED : n=1450rpm



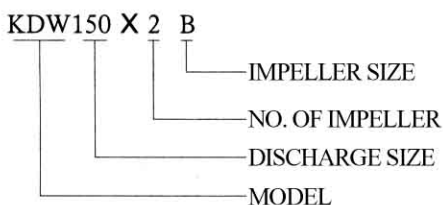
Model	Capacity		Head (m)	Power (kW)
	(m³/h)	(L/s)		
125x2Z			60	45
125x2A			52.5	45
125x2B			45	37
125x3Z			90	75
125x3A			82.5	75
125x3B			75	55
125x3C			67.5	55
125x4Z			120	90
125x4A			112.5	90
125x4B	160	44.4	105	75
125x4C			97.5	75
125x5Z			150	110
125x5A			142.5	110
125x5B			135	110
125x5C			127.5	110
125x6Z			180	132
125x6A			172.5	132
125x6B			165	132
125x6C			157.5	132

PERFORMANCE CURVES



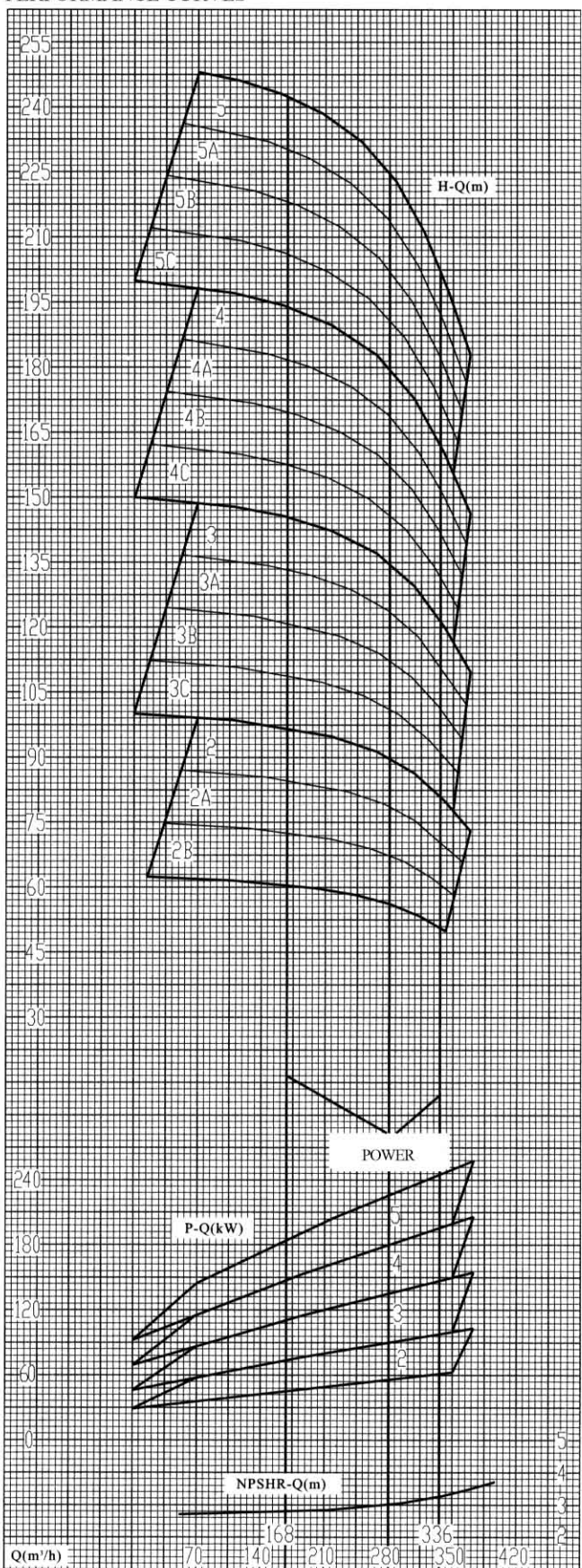
KDW150(1450rpm) TECHNICAL DATA

MODEL : KDW150
 SPEED : n=1450rpm



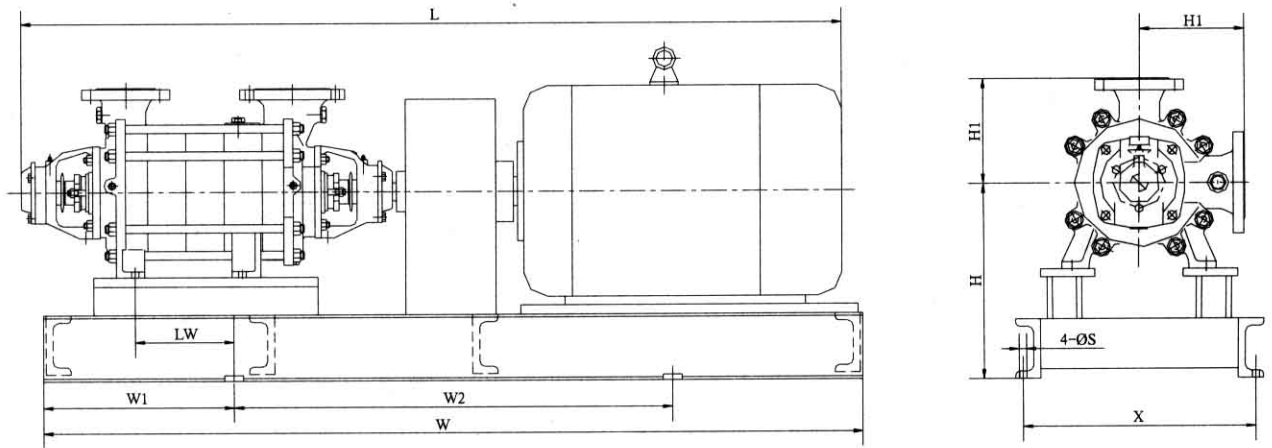
Model	Capacity		Head (m)	Power (kW)
	(m ³ /h)	(L/s)		
150x2Z			90	110
150x2A			78.75	90
150x2B			67.5	75
150x3Z			135	160
150x3A			123.75	132
150x3B			112.5	132
150x3C			101.25	110
150x4Z	280	77.8	180	200
150x4A			168.75	200
150x4B			157.5	200
150x4C			146.25	160
150x5Z			225	250
150x5A			213.75	250
150x5B			202.5	220
150x5C			191.25	220

PERFORMANCE CURVES



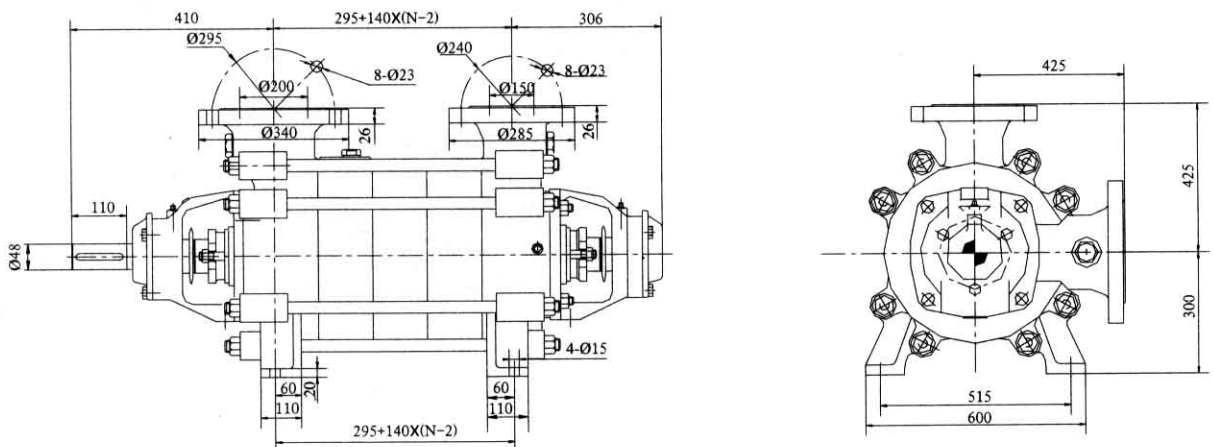
KDW150(1450rpm) TECHNICAL DATA

PUMP INSTALL DIAGRAM



pump size	motor		L	LW	W1	W2	W	H1	H	X	S	bedplate code
	type	power(kW)										
150X2	Y315S-4	110	2235	162.5	450	1190	2090	425	475	720	28	12B-15
	Y280M-4	90	2065	162.5	450	1190	2090	425	460	720	28	12A-20
	Y280S-4	75	2011	302.5	400	920	1720	425	460	720	24	11A-20
150X3	Y315M2-4	160	2425	232.5	450	1190	2090	425	475	720	28	12B-15
	Y315M1-4	132	2425	232.5	450	1190	2090	425	475	720	28	12B-15
	Y315S-4	110	2375	232.5	450	1190	2090	425	475	720	28	12B-15
150X4	Y315L-4	200	2625	389.5	450	1300	2200	425	475	720	28	13B-15
	Y315M2-4	160	2565	389.5	450	1300	2200	425	475	720	28	13B-15
150X5	Y315M4-4(IP23)	250	—	—	—	—	—	—	—	—	—	—
	Y315M3-4(IP23)	220	—	—	—	—	—	—	—	—	—	—

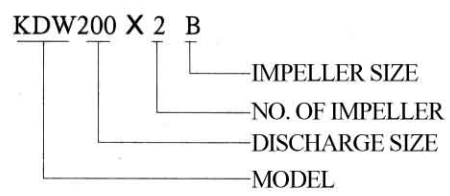
OVERALL AND MOUNTING DIMENTIONS DRAWING



KDW200(1450rpm) TECHNICAL DATA

MODEL : KDW200

SPEED : n=1450rpm



Model	Capacity		Head (m)	Power (kW)
	(m ³ /h)	(L/s)		
200x2Z			120	220
200x2A			105	200
200x2B			90	200
200x3Z	400	111.1	180	355
200x3A			165	315
200x3B			150	315
200x3C			135	315

PERFORMANCE CURVES

