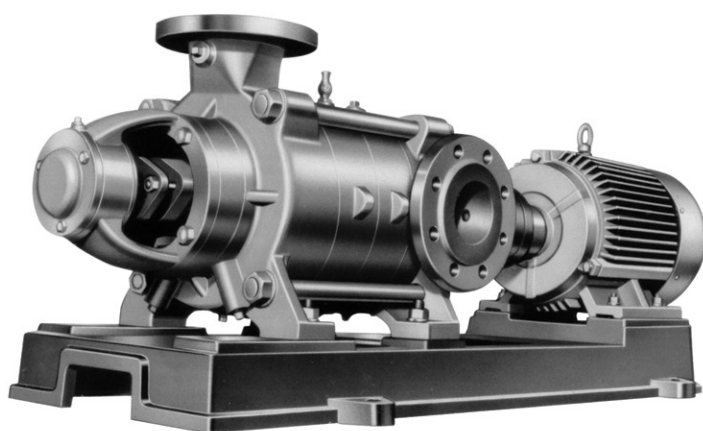


GSD INDUSTRIAL CO., LTD.

MHA

卧式多级节段式离心泵



川源股份有限公司



简介

MHA系列卧式多级节段式离心泵，扬程高、设计合理、性能可靠，适用于输送温度不超过80°C的清水（杂质含量小于1%；颗粒直径小于0.1mm）或物理化学性质类似之液体。

GENERAL

MHA series horizontal single-suction multistage centrifugal pump features high head, rational design, reliable operation, is suitable for pumping clean water at temperature below 80°C or similar liquids of which solid content less than 1%, and solid diameter not bigger than 0.1 mm.

用途

1. 高楼给水。
2. 工厂、矿山、城市给排水。
3. 电站、水利工程、农田灌溉。

APPLICATIONS

1. Water-supplying system of apartment(building).
2. Water supply and discharge in factories, mines, urban area.
3. Water supply in projects, water-conservancy projects as well as irrigation and drainage of farmland.

结构说明

定子：主要由吸入段、中段、吐出段、导叶及填料函体等零件组成。吸入口为水平方向，吐出口为垂直方向。

转子：主要由轴、叶轮、平衡盘及轴套等组成。

密封：吸入段、中段、吐出段之间的静止结合面用纸垫密封，各级间采用节流密封；两侧的轴封采用软填料密封，亦可改为机械轴封。

轴承：整个转子由轴两端的滚柱轴承来支撑，以油脂或稀油润滑。

STRUCTURE INSTRUCTION

Stator: The stator consists of suction, stage, discharge casing, diffuser and stuffing box. The inlet is in a horizontal position while the outlet is in a vertical position.

Rotor: The rotor consists of pump shaft, impeller, balancing disk and shaft sleeve.

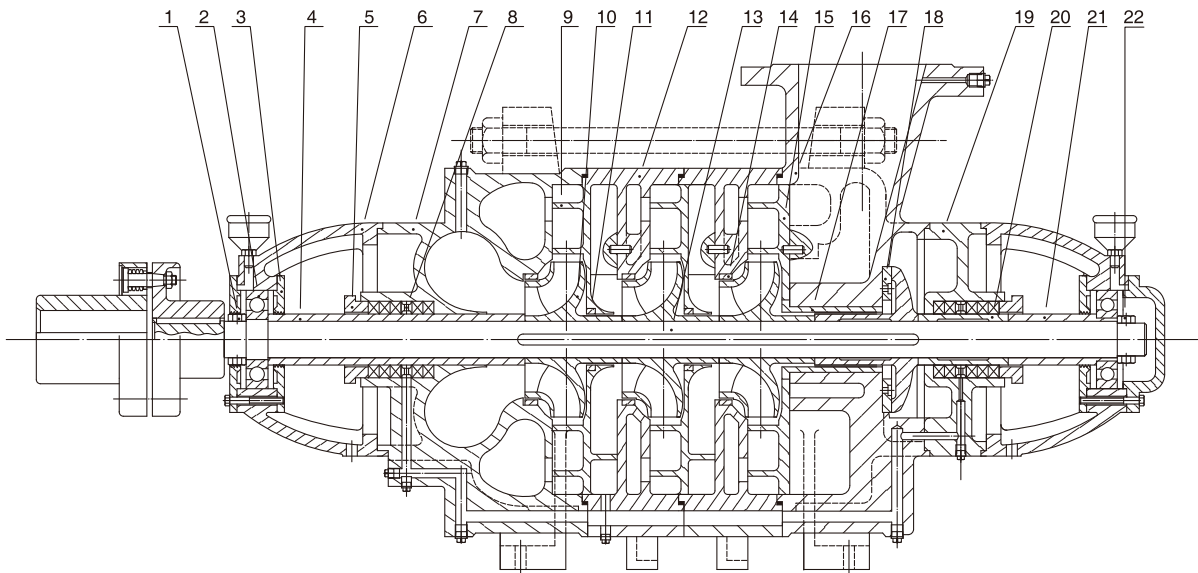
Sealing: The static interface between the suction, stage and discharge casing are sealed with paper packing. Among the stages use throttle seal. Both ends of the shaft are sealed with stuffing box or mechanical seal.

Bearing: Both ends of the shaft are employed roller bearings with grease/oil lubricated.

型号说明 TYPE DESCRIPTION



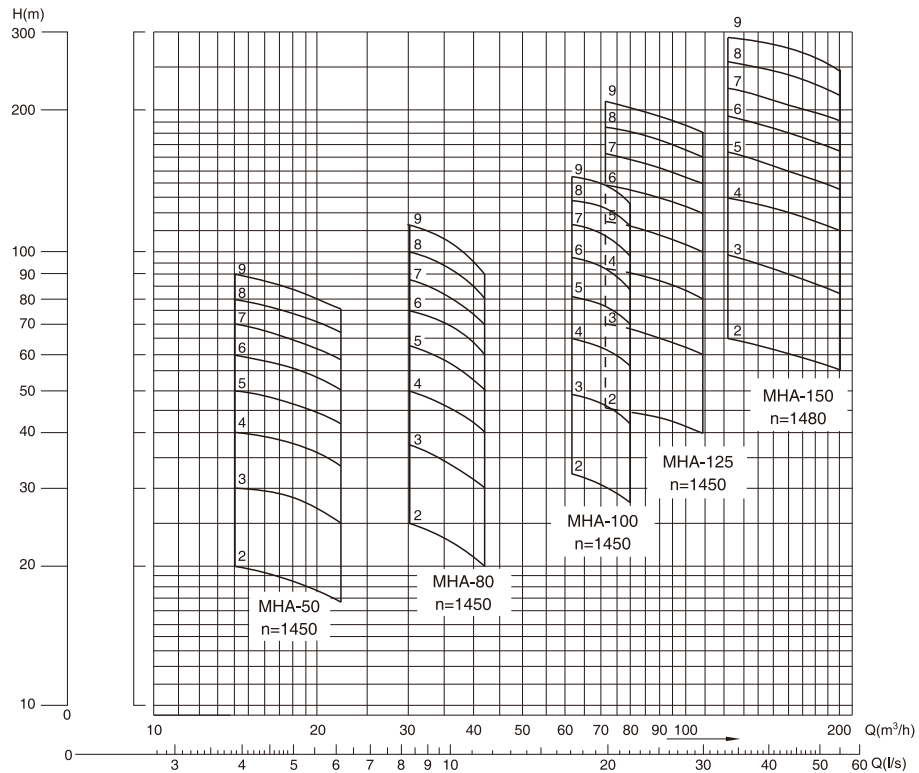
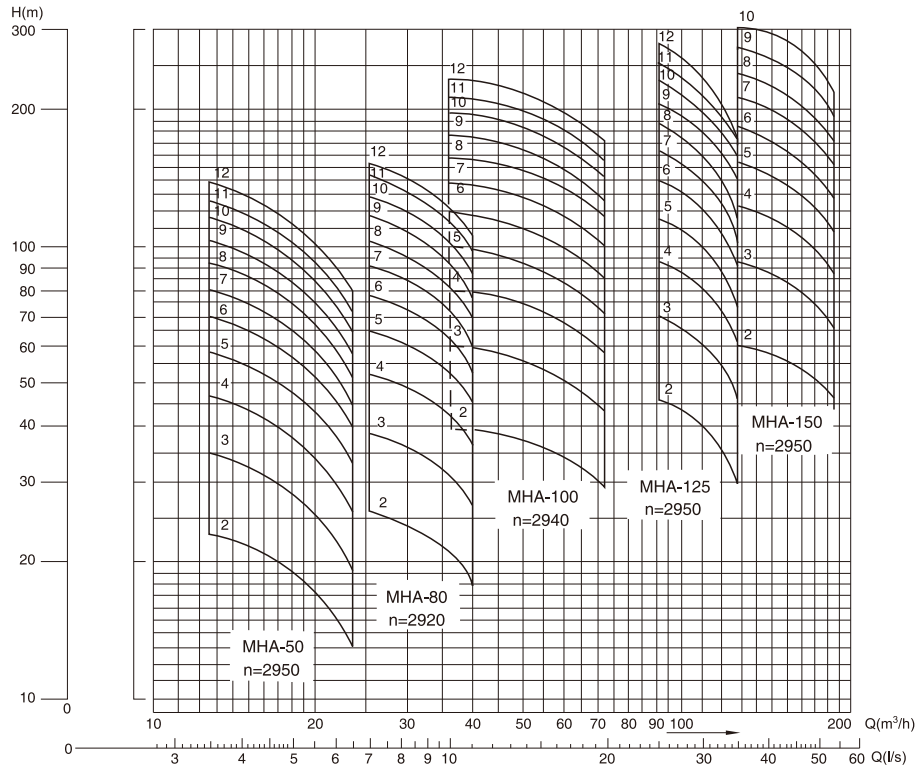
结构简图及材质 CONSTRUCTION AND MATERIAL



No.	名称 Name	材质 Material	No.	名称 Name	材质 Material
1	螺母A Nut(A)	45	13	轴 Shaft	45
2	轴承 Bearing	SKF3	14	密封环 Seal ring	HT200
3	轴承盖 Bearing cover	HT200	15	出水导叶 Dis.ch.diffuser	HT200
4	轴套A Shaft sleeve(A)	HT250	16	出水段 Dis.ch.casing	HT200
5	填料压盖 Gland	HT200	17	平衡套 Balancing sleeve	HT250
6	轴承体 Bearing casing	HT200	18	平衡盘 Balancing disk	QT60-2
7	进水段 Suction casing	HT200	19	尾盖 Back cover	HT200
8	填料环 Gland ring	HT200	20	轴套B Shaft sleeve(B)	HT250
9	导叶 Diffuser	HT200	21	轴套C Shaft sleeve(C)	HT250
10	叶轮 Impeller	HT200	22	螺母B Nut(B)	45
11	导叶套 Guide vane sleeve	HT250			
12	中段 Stage casing	HT200			



性能曲线 PERFORMANCE CURVES





性能参数 PERFORMANCE PARAMETERS

(2P)

型号 Pump type	流量 Capacity (m³/h)	扬程 Head (m)	转速 Speed (r/min)	电机功率 Power (kW)	效率 Eff (%)	气蚀余量 NPSHr (m)	整机重量 Weight (kg)
MHA50-18-19/2	12.6	23	2950	2.2	55	2	136
	18	19			62		
	23.4	13			56		
MHA50-18-28.5/3	12.6	34.5	2950	3	55	2	162
	18	28.5			62		
	23.4	19.5			56		
MHA50-18-38/4	12.6	46	2950	4	55	2	187
	18	38			62		
	23.4	26			56		
MHA50-18-47.5/5	12.6	57.5	2950	5.5	55	2	216
	18	47.5			62		
	23.4	32.5			56		
MHA50-18-57/6	12.6	69	2950	5.5	55	2	228
	18	57			62		
	23.4	39			56		
MHA50-18-66.5/7	12.6	80.5	2950	7.5	55	2	261
	18	66.5			62		
	23.4	45.5			56		
MHA50-18-76/8	12.6	92	2950	7.5	55	2	273
	18	76			62		
	23.4	52			56		
MHA50-18-85.5/9	12.6	103.5	2950	7.5	55	2	285
	18	85.5			62		
	23.4	58.5			56		
MHA50-18-95/10	12.6	115	2950	11	55	2	353
	18	95			62		
	23.4	65			56		
MHA50-18-104.5/11	12.6	126.5	2950	11	55	2	365
	18	104.5			62		
	23.4	71.5			56		
MHA50-18-114/12	12.6	138	2950	11	55	2	377
	18	114			62		
	23.4	78			56		
MHA80-32.4-22.7/2	25.2	25.6	2920	3	64	2.5	195
	32.4	22.7			72		
	39.6	17.6			67		
MHA80-32.4-34/3	25.2	38.4	2920	5.5	64	2.5	249
	32.4	34.1			72		
	39.6	26.4			67		
MHA80-32.4-45.4/4	25.2	51.2	2920	7.5	64	2.5	270
	32.4	45.4			72		
	39.6	35.2			67		
MHA80-32.4-56.8/5	25.2	64	2920	7.5	65.5	2.5	286
	32.4	56.8			75		
	39.6	44			70.5		
MHA80-32.4-68.1/6	25.2	76.8	2920	11	65.5	2.5	354
	32.4	68.1			75		
	39.6	52.3			70.5		
MHA80-32.4-79.5/7	25.2	89.6	2920	11	65.5	2.5	380
	32.4	79.5			75		
	39.6	61.6			70.5		
MHA80-32.4-90.8/8	25.2	102.4	2920	15	65.5	2.5	406
	32.4	90.8			75		
	39.6	70.4			70.5		
MHA80-32.4-102.2/9	25.2	115.2	2920	15	65.5	2.5	422
	32.4	102.2			75		
	39.6	79.2			70.5		
MHA80-32.4-113.5/10	25.2	128	2920	18.5	65.5	2.5	461
	32.4	113.5			75		
	39.6	88			70.5		
MHA80-32.4-124.9/11	25.2	140.8	2920	18.5	65.5	2.5	477
	32.4	124.9			75		
	39.6	96.8			70.5		
MHA80-32.4-136.2/12	25.2	153.6	2920	18.5	65.5	2.5	493
	32.4	136.2			75		
	39.6	105.6			70.5		
MHA100-54-35.2/2	36	38.8	2940	11	58	3	355
	54	35.2			71.5		
	72	28.4			73.5		
MHA100-54-52.8/3	36	58.2	2940	15	58	3	391
	54	52.8			71.5		
	72	42.6			73.5		
MHA100-54-70.4/4	36	77.6	2940	18.5	58	3	435
	54	70.4			71.5		
	72	56.8			73.5		
MHA100-54-88/5	36	97	2940	22	58	3	507
	54	88			71.5		
	72	71			73.5		
MHA100-54-105.6/6	36	116.4	2940	30	58	3	626
	54	105.6			71.5		
	72	85.2			73.5		
MHA100-54-123.2/7	36	135.8	2940	37	58	3	688
	54	123.2			71.5		
	72	99.4			73.5		
MHA100-54-140.8/8	36	155.2	2940	37	58	3	694
	54	140.8			71.5		
	72	113.6			73.5		
MHA100-54-158.4/9	36	174.6	2940	45	58	3	815
	54	158.4			71.5		
	72	127.8			73.5		
MHA100-54-176/10	36	194	2940	45	58	3	841
	54	176			71.5		
	72	142			73.5		
MHA100-54-193.6/11	36	213.4	2940	55	58	3	984
	54	193.6			71.5		
	72	156.2			73.5		
MHA100-54-211.2/12	36	232.8	2940	55	58	3	1010
	54	211.2			71.5		
	72	170.4			73.5		
MHA125-108-40/2	90	46	2950	22	75	3.3	526
	108	40			76		
	126	30			73		
MHA125-108-60/3	90	69	2950	30	75	3.3	632
	108	60			76		
	126	45			73		



性能参数 PERFORMANCE PARAMETERS

(2P)

型号 Pump type	流量 Capacity (m³/h)	扬程 Head (m)	转速 Speed (r/min)	电机功率 Power (kW)	效率 Eff (%)	气蚀余量 NPSHr (m)	整机重量 Weight (kg)
MHA125-108-80/4	90	92	2950	37	75	3.3	690
	108	80			76	3.7	
	126	62			73	5	
MHA125-108-100/5	90	115	2950	45	75	3.3	806
	108	100			76	3.7	
	126	75			73	5	
MHA125-108-120/6	90	138	2950	55	75	3.3	964
	108	120			76	3.7	
	126	90			73	5	
MHA125-108-140/7	90	161	2950	75	75	3.3	1208
	108	140			76	3.7	
	126	105			73	5	
MHA125-108-160/8	90	184	2950	75	75	3.3	1250
	108	160			76	3.7	
	126	120			73	5	
MHA125-108-180/9	90	207	2950	90	75	3.3	1374
	108	180			76	3.7	
	126	135			73	5	
MHA125-108-200/10	90	230	2950	90	75	3.3	1416
	108	200			76	3.7	
	126	150			73	5	
MHA125-108-220/11	90	253	2950	110	75	3.3	1788
	108	220			76	3.7	
	126	165			73	5	
MHA125-108-240/12	90	276	2950	110	75	3.3	1830
	108	240			76	3.7	
	126	180			73	5	
MHA150-162-54.6/2	126	60.6	2950	37	68.6	3.5	760
	144	57.8			72.7	3.6	
	162	54.6			76.6	3.8	
MHA150-162-81.9/3	126	90.9	2950	55	68.6	3.5	989
	144	86.7			72.7	3.6	
	162	81.9			76.6	3.8	
MHA150-162-109.2/4	126	121	2950	75	68.6	3.5	1208
	144	116			72.7	3.6	
	162	109.2			76.6	3.8	
MHA150-162-136.5/5	126	152	2950	90	68.6	3.5	1331
	144	145			72.7	3.6	
	162	136.5			76.6	3.8	
MHA150-162-163.8/6	126	182	2950	110	68.6	3.5	1758
	144	173			72.7	3.6	
	162	163.8			76.6	3.8	
MHA150-162-191.1/7	126	212	2950	132	68.6	3.5	1919
	144	202			72.7	3.6	
	162	191.1			76.6	3.8	
MHA150-162-218.4/8	126	242	2950	160	68.6	3.5	2092
	144	232			72.7	3.6	
	162	218.4			76.6	3.8	
MHA150-162-245.7/9	126	272.7	2950	160	68.6	3.5	2153
	144	260.1			72.7	3.6	
	162	245.7			76.6	3.8	
MHA150-162-273/10	126	303	2950	200	68.6	3.5	2250
	144	289			72.7	3.6	
	162	273			76.6	3.8	
	180	246			76.8	4	

(4P)

型号 Pump type	流量 Capacity (m³/h)	扬程 Head (m)	转速 Speed (r/min)	电机功率 Power (kW)	效率 Eff (%)	气蚀余量 NPSHr (m)	整机重量 Weight (kg)
MHA50-18-18.4/2	15	20	1450	2.2	61	2.6	135
	18	18.4			63	3.1	
	22	16.8			62	4.1	
MHA50-18-27.6/3	15	30	1450	3	61	2.6	155
	18	27.6			63	3.1	
	22	25.2			62	4.1	
MHA50-18-36.8/4	15	40	1450	4	61	2.6	175
	18	36.8			63	3.1	
	22	33.6			62	4.1	
MHA50-18-46/5	15	50	1450	5.5	61	2.6	195
	18	46			63	3.1	
	22	42			62	4.1	
MHA50-18-55.2/6	15	60	1450	5.5	61	2.6	215
	18	55.2			63	3.1	
	22	50.4			62	4.1	
MHA50-18-64.4/7	15	70	1450	7.5	61	2.6	235
	18	64.4			63	3.1	
	22	58.8			62	4.1	
MHA50-18-73.6/8	15	80.0	1450	7.5	61	2.6	255
	18	73.6			63	3.1	
	22	67.2			62	4.1	
MHA50-18-82.8/9	15	90	1450	7.5	61	2.6	275
	18	82.8			63	3.1	
	22	75.6			62	4.1	
MHA80-36-23/2	30	25	1450	5.5	68	2.8	181.5
	36	23			70	3.0	
	42	20			68	3.8	
MHA80-36-34.5/3	30	37.5	1450	7.5	68	2.8	213
	36	34.5			70	3.0	
	42	30			68	3.8	
MHA80-36-46/4	30	50	1450	11	68	2.8	244.5
	36	46			70	3.0	
	42	40			68	3.8	
MHA80-36-57.5/5	30	62.5	1450	11	68	2.8	276
	36	57.5			70	3.0	
	42	50			68	3.8	
MHA80-36-69/6	30	75	1450	15	68	2.8	307.5
	36	69			70	3.0	
	42	60			68	3.8	



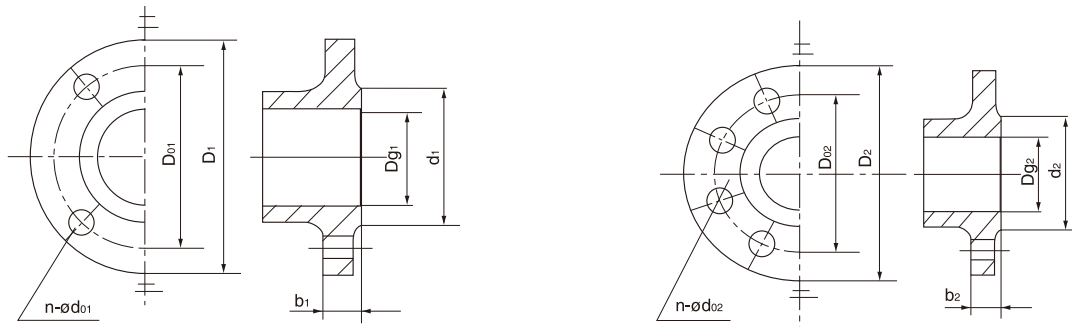
性能参数 PERFORMANCE PARAMETERS

(4P)

型号 Pump type	流量 Capacity (m³/h)	扬程 Head (m)	转速 Speed (r/min)	电机功率 Power (kW)	效率 Eff (%)	气蚀余量 NPSHr (m)	整机重量 Weight (kg)
MHA80-36-80.5/7	30	87.5	1450	15	68	2.8	339
	36	80.5			70	3.0	
	42	70			68	3.8	
MHA80-36-92/8	30	100	1450	18.5	68	2.8	370.5
	36	92			70	3.0	
	42	80			68	3.8	
MHA80-36-103.5/9	30	112.5	1450	18.5	68	2.8	402
	36	103.5			70	3.0	
	42	90			68	3.8	
MHA100-69-31.2/2	62	32.4	1450	11	71.5	2.9	355
	69	31.2			73	3.3	
	80	28			71	4.2	
MHA100-69-46.8/3	62	48.6	1450	15	71.5	2.9	406
	69	46.8			73	3.3	
	80	42			71	4.2	
MHA100-69-62.4/4	62	64.8	1450	22	71.5	2.9	457
	69	62.4			73	3.3	
	80	56			71	4.2	
MHA100-69-78/5	62	81	1450	30	71.5	2.9	508
	69	78			73	3.3	
	80	70			71	4.2	
MHA100-69-93.6/6	62	97.2	1450	30	71.5	2.9	559
	69	93.6			73	3.3	
	80	84			71	4.2	
MHA100-69-109.2/7	62	113.4	1450	37	71.5	2.9	610
	69	109.2			73	3.3	
	80	98			71	4.2	
MHA100-69-124.8/8	62	129.6	1450	45	71.5	2.9	661
	69	124.8			73	3.3	
	80	112			71	4.2	
MHA100-69-140.4/9	62	145.8	1450	45	71.5	2.9	712
	69	140.4			73	3.3	
	80	126			71	4.2	
MHA125-90-43.2/2	72	46	1450	22	70	2.9	475
	90	43.2			74	3.4	
	108	40			75.5	4.1	
MHA125-90-64.8/3	72	69	1450	30	70	2.9	555
	90	64.8			74	3.4	
	108	60			75.5	4.1	
MHA125-90-86.4/4	72	92	1450	45	70	2.9	641
	90	86.4			74	3.4	
	108	80			75.5	4.1	
MHA125-90-108/5	72	115	1450	55	70	2.9	726
	90	108			74	3.4	
	108	100			75.5	4.1	
MHA125-90-129.6/6	72	138	1450	75	70	2.9	838
	90	129.6			74	3.4	
	108	120			75.5	4.1	
MHA125-90-151.2/7	72	161	1450	75	70	2.9	923
	90	151.2			74	3.4	
	108	140			75.5	4.1	
MHA125-90-172.8/8	72	184	1450	90	70	2.9	1008
	90	172.8			74	3.4	
	108	160			75.5	4.1	
MHA125-90-194.4/9	72	207	1450	90	70	2.9	1093
	90	194.4			74	3.4	
	108	180			75.5	4.1	
MHA150-155-60/2	119	65	1480	45	72.6	3.1	552
	155	60			77	3.5	
	191	54.9			78.8	4.2	
MHA150-155-90/3	119	97.4	1480	75	72.6	3.1	604
	155	90			77	3.5	
	191	82.3			78.8	4.2	
MHA150-155-120/4	119	129.9	1480	90	72.6	3.1	686
	155	120			77	3.5	
	191	109.7			78.8	4.2	
MHA150-155-150/5	119	162.3	1480	110	72.6	3.1	768
	155	150			77	3.5	
	191	137.2			78.8	4.2	
MHA150-155-180/6	119	194.8	1480	135	72.6	3.1	849
	155	180			77	3.5	
	191	164.6			78.8	4.2	
MHA150-155-210/7	119	227.3	1480	155	72.6	3.1	931
	155	210			77	3.5	
	191	192			78.8	4.2	
MHA150-155-240/8	119	259.7	1480	180	72.6	3.1	1031
	155	240			77	3.5	
	191	219.5			78.8	4.2	
MHA150-155-270/9	119	292.2	1480	180	72.6	3.1	1095
	155	270			77	3.5	
	191	246.9			78.8	4.2	

吸入口和吐出口法兰安装尺寸

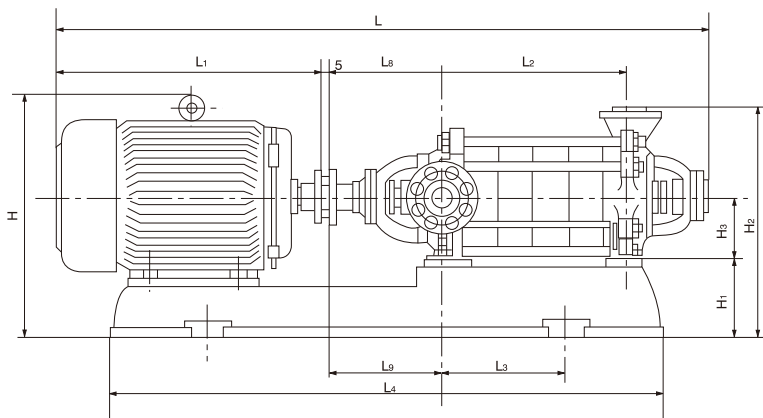
SUCTION & DISCHARGE NOZZLE FLANGE OF TYPE MHA PUMPS



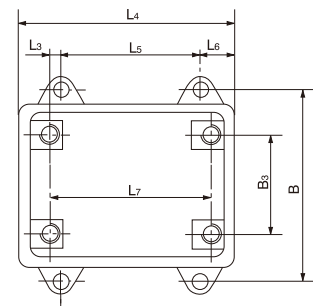
(2P)

型号 Pump type	吸入口法兰 Suction Nozzle Flange						吐出口法兰 Discharge Nozzle Flange					
	ϕD_{g1}	ϕd_1	ϕD_{o1}	ϕD_1	b_1	$n-\phi d_{o1}$	ϕD_{g2}	ϕd_2	ϕD_{o2}	ϕD_2	b_2	$n-\phi d_{o2}$
MHA-50	75	125	150	185	18	4-17.5	50	100	125	160	20	4-18
MHA-80	80	125	150	185	18	4-18	80	135	160	195	22	
MHA-100	100	148	170	210	18	4-17.5	100	158	180	220	24	8-17.5
MHA-125	125	175	200	235	20	8-17.5	125	185	210	245	24	
MHA-150	150	200	225	260	20	8-17.5	150	210	240	280	24	8-22

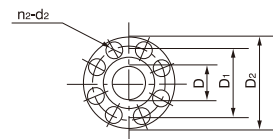
外形及安装尺寸图 THE DRAWING FOR THE INSTALLATION DIMENSIONS



单泵底座 PUMP BEDPLATE



进口法兰 SUCTION NOZZLE FLANGE



出口法兰 DISCHARGE NOZZLE FLANGE

