

euroflow

Horizontal Multistage
Stainless Steel Centrifugal Pump



CHI



CH



HMS



Horizontal multistage Stainless steel centrifugal pump

1、 Applications

HMS & HS horizontal multistage stainless steel centrifugal pumps are designed for the following applications:

Mainly applicable for conveying of industrial liquid, circulation and pressure for demineralized water, soft water, purified solution, light oil, etc.

- Cooling water systems
- Domestic water supply
- Industrial cleaning
- Agriculture
- Pesticide dosing systems
- Environmental protection
- Water treatment
- Boosting & circulation systems

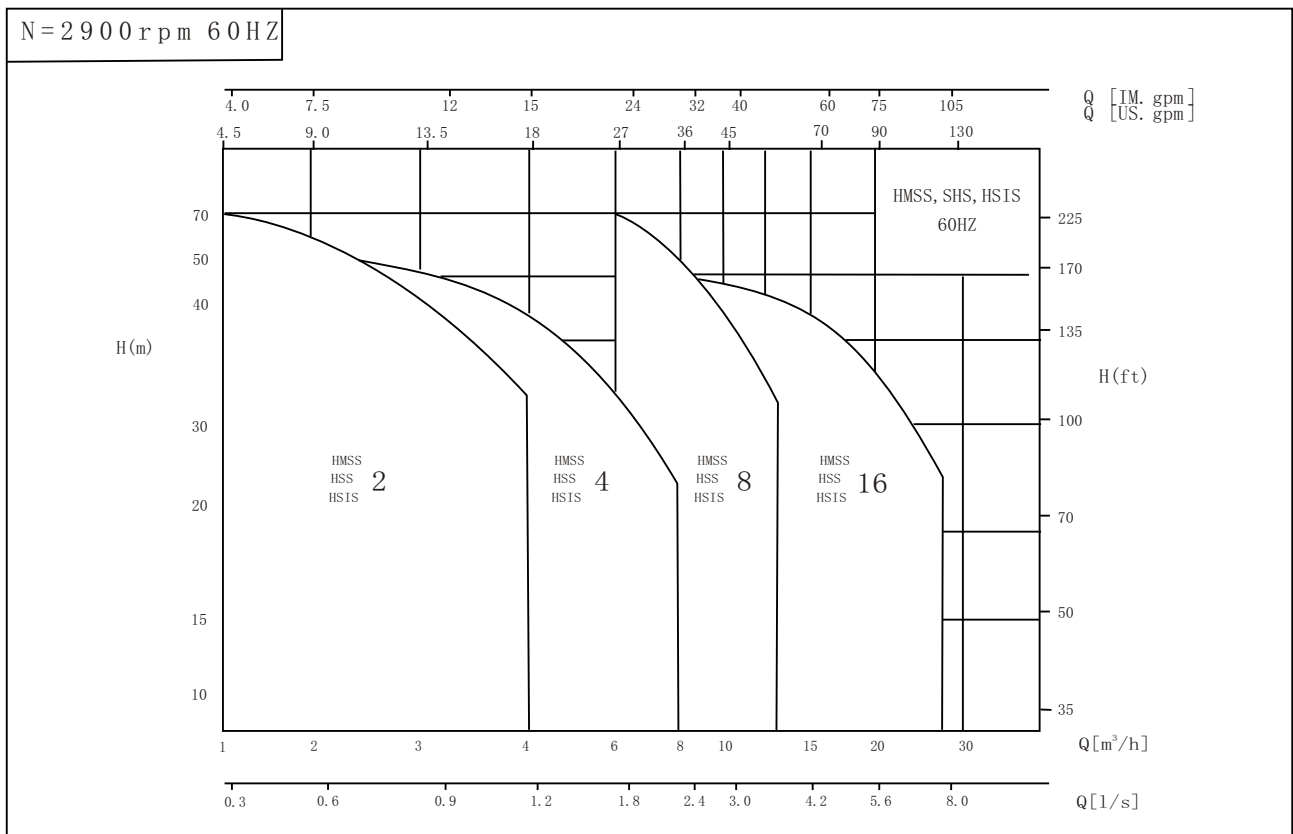
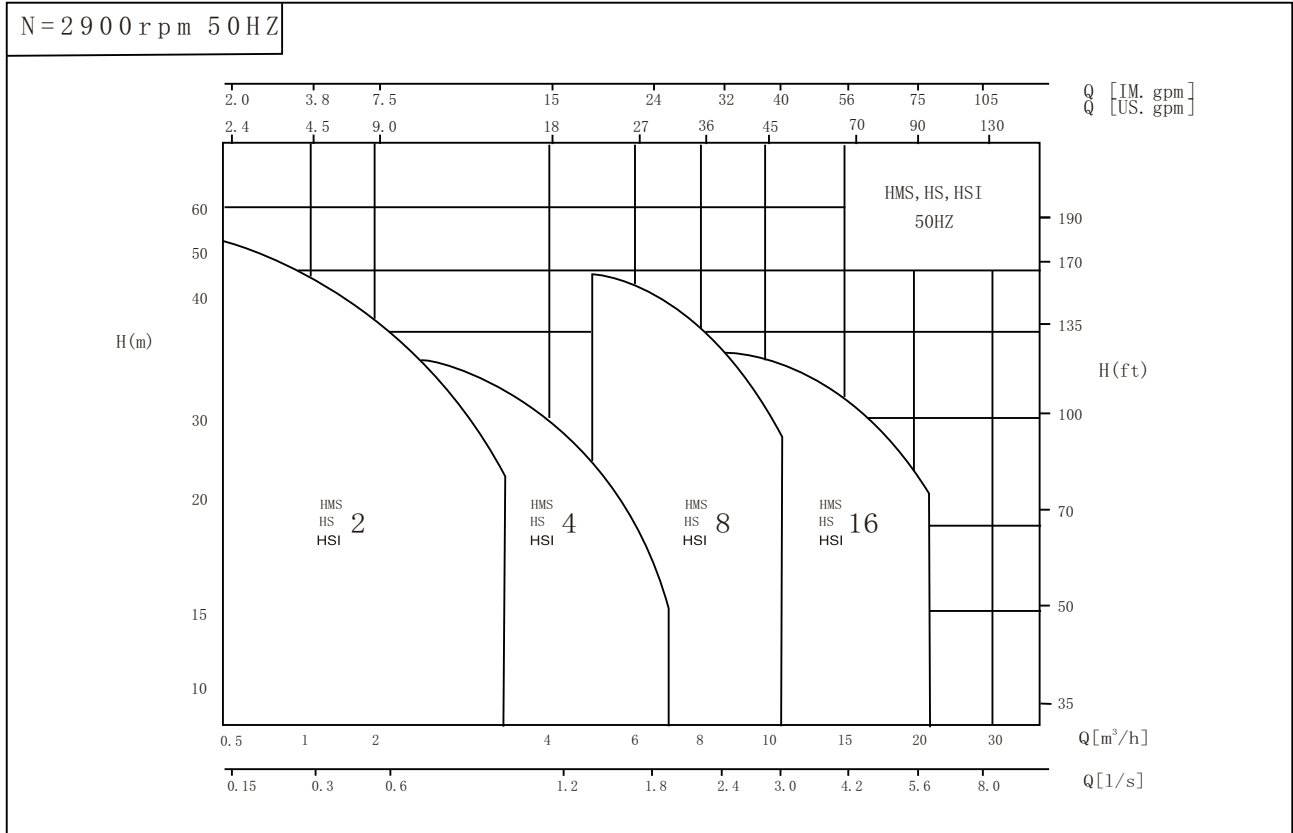
2、 Model code



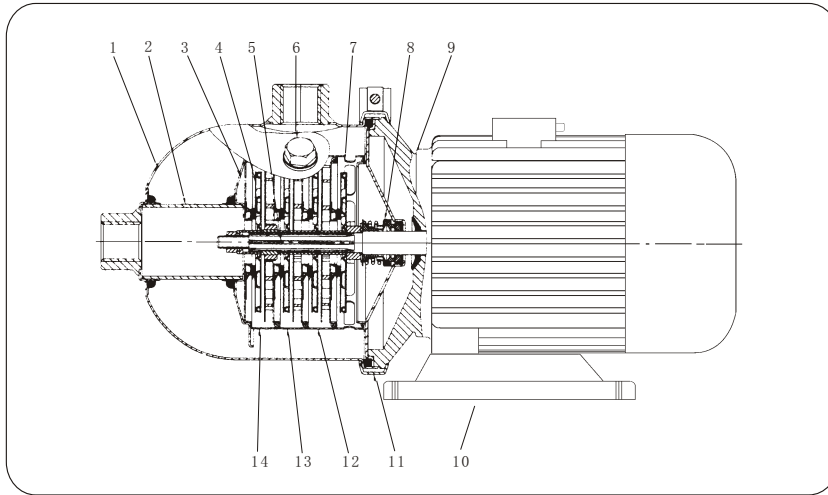
3、 Technical Date

- a. Ambient Temperature
Maximum:+40°C
- b. Liquid Temperature
Standard design:-15°C to+90°C
For hot water design:-15°C to+120°C
- c. Max operating pressure is limited by max operating pressure
Axial inlet and radial outlet
- d. Electric Motor standard be supplied as:
50HZ, single phase 220V~240V or three phase 380V~415V, aluminum casing,
IP55, class F.
- e. Pump's material can be supplied in 304 or 316 stainless steel.

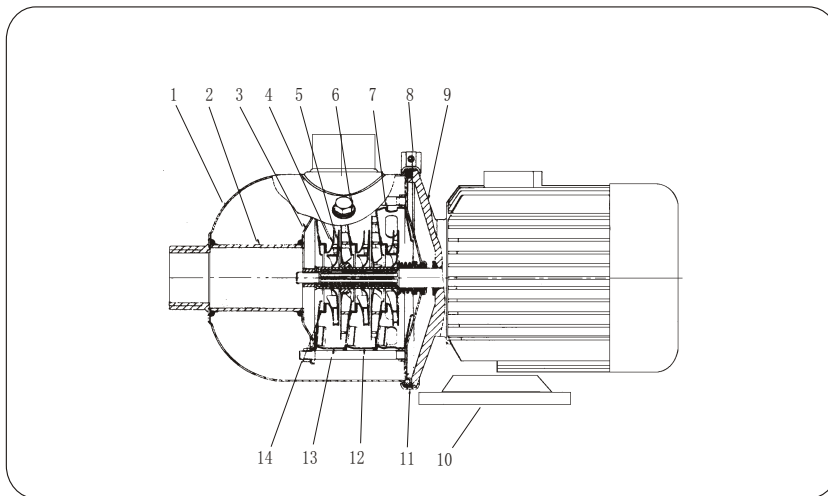
Selection charts



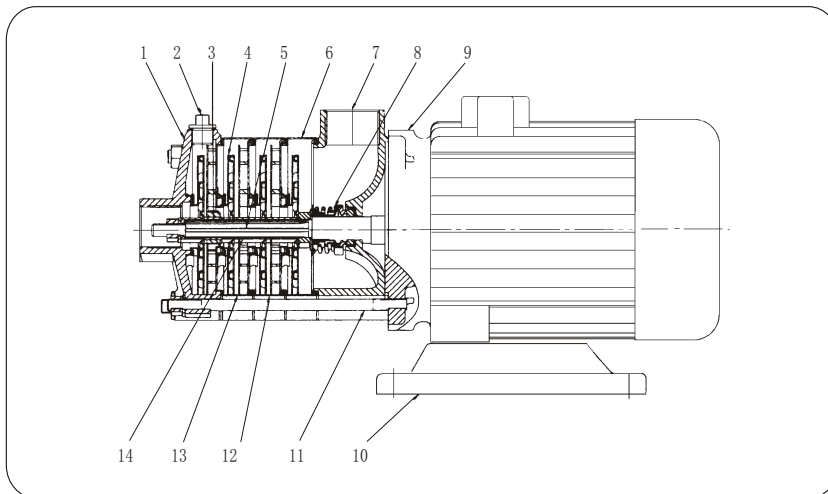
General arrangement drawings



HMS 2, 4



HMS 8, 16



HS, HSI 2, 4, 8

Material list

HMS 2, 4, 8, 16

Part No	Name	Material	AISI/ASTM
1	Suction and discharge head	Stainless steel	304
2	Connection pipe	Stainless steel	304
3	Clamp plate	Stainless steel	304
4	Impeller	Stainless steel	304
5	Shaft	Stainless steel	304
6	Vent	Stainless steel	304
7	Discharge diffuser	Stainless steel	304
8	Mechanical seal		
9	Motor end cover	Aluminum alloy	
10	Base frame	Cast iron	ASTM25B
11	Quick joint	Stainless steel	304
12	Diffuser	Stainless steel	304
13	Support diffuser	Stainless steel	304
14	Inducer	Stainless steel	304

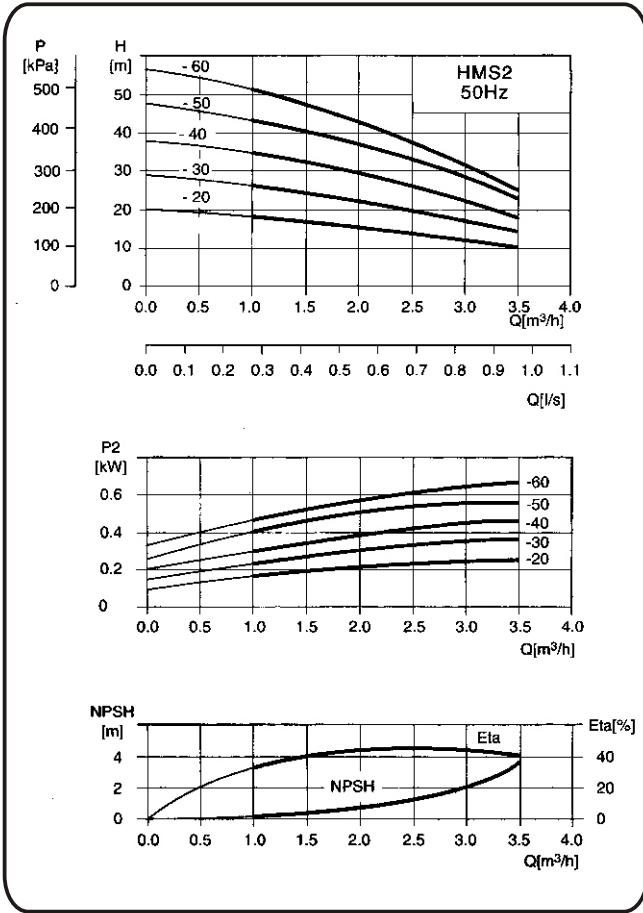
HS, HSI 2, 4, 8

Part No	Name	Material	AISI/ASTM
2	Vent	Stainless steel	304
3	Bearing	Tungsten carbide	
4	Impeller	Stainless steel	304
5	Shaft	Stainless steel	304
6	Discharge diffuser	Stainless steel	304
8	Mechanical seal		
9	Motor end cover	Aluminum alloy	
10	Base frame	Cast iron	ASTM25B
11	Pull rod	Stainless steel	304
12	Diffuser	Stainless steel	304
13	Support diffuser	Stainless steel	304
14	Sleeve	Stainless steel	304
HSI			
1	Suction head	Stainless steel	304
7	Discharge head	Stainless steel	304
HS			
1	Suction head	Cast iron	ASTM25B
7	Discharge head	Cast iron	ASTM25B

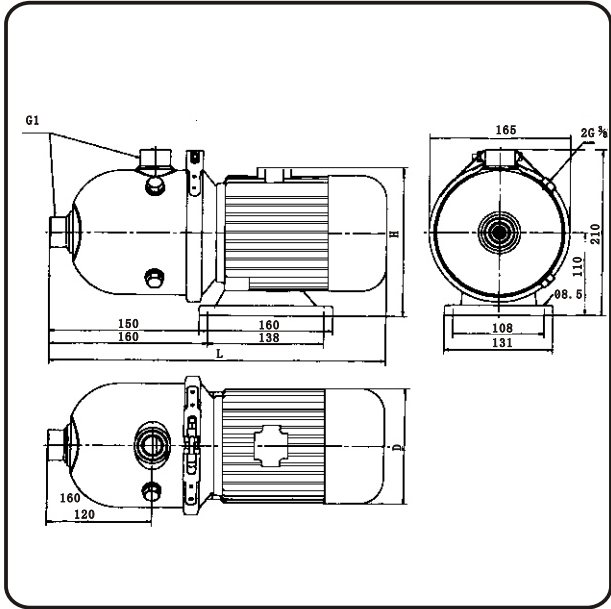
316 stainless steel are available for the above pump on request.

Technical Data (50HZ)

Performance curve



Dimensions



Size and weight

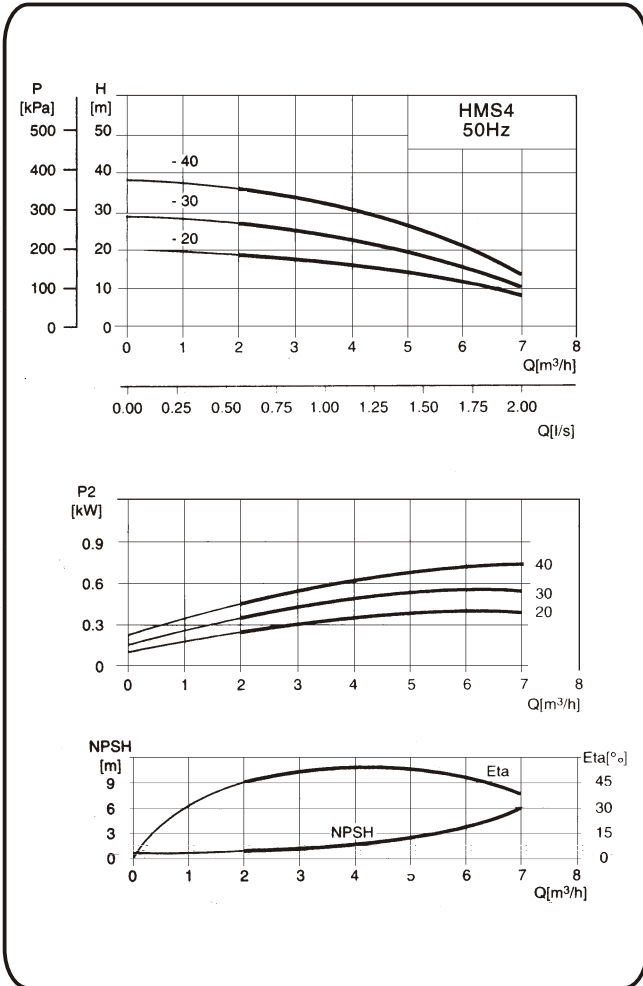
Model	L (mm)	D (mm)	Weight (kg)
HMS2-20	400	145	10
HMS2-30	400	145	10
HMS2-40	400	145	10
HMS2-50	400	145	10
HMS2-60	445	170	10

Performance table

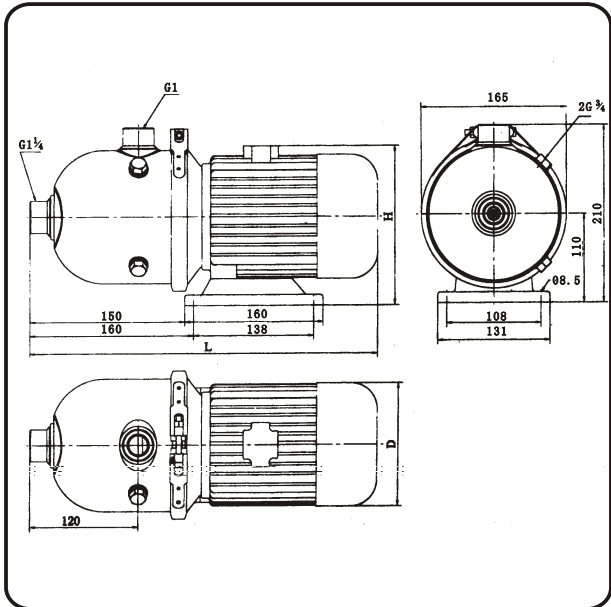
Model	Power (kW)	Q (m³/h)	0.5	1.0	1.5	2.0	2.5	3.0	3.5
HMS2-20	0.37	H (m)	19	18	16	14	13	11	9
HMS2-30	0.55		28	27	24	21	20	17	14
HMS2-40	0.55		36	34	32	28	26	23	17
HMS2-50	0.55		46	43	40	35	33	28	22
HMS2-60	0.75		54	50	48	42	38	33	25

Technical Data (50HZ)

Performance curve



Dimensions



Size and weight

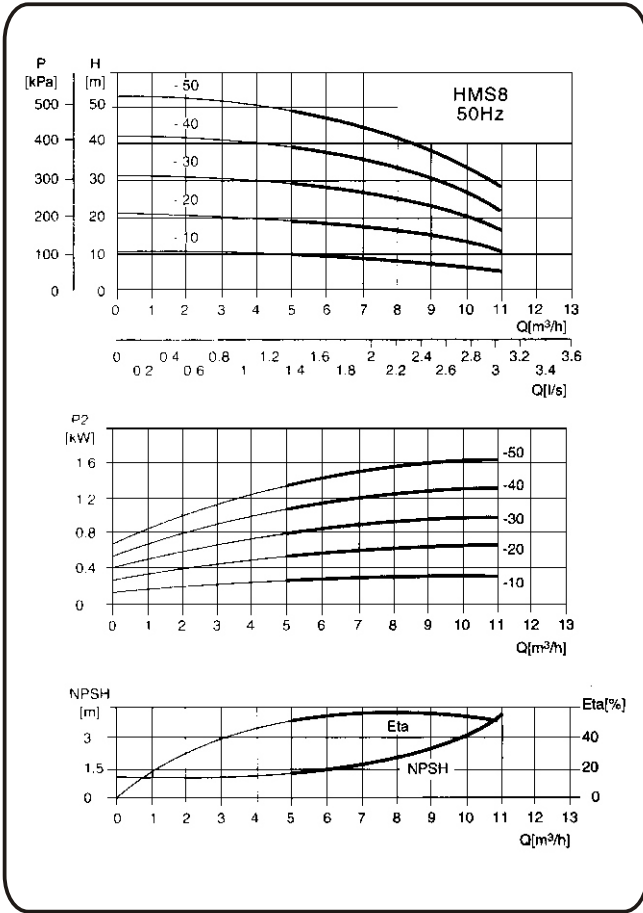
Model	L (mm)	D (mm)	Weight (kg)
HMS4-20	400	145	10
HMS4-30	445	170	10
HMS4-40	445	170	10

Performance table

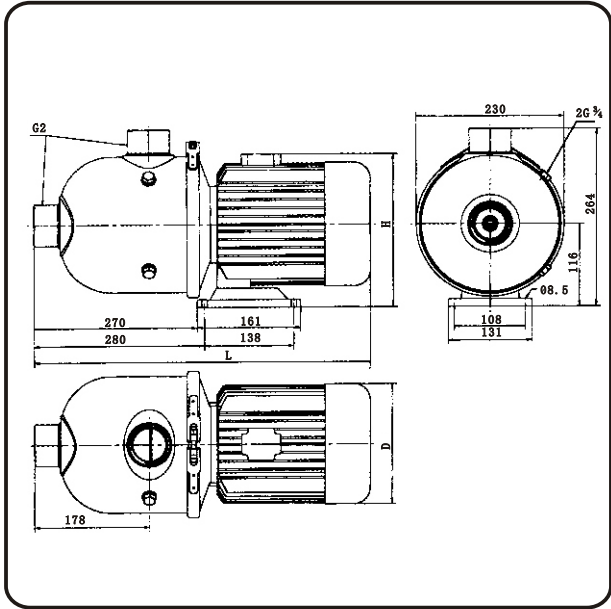
Model	Power (kW)	Q (m³/h)	1	2	3	4	5	6	7
HMS4-20	0.55	H (m)	19	18	16	15	13	10	7
HMS4-30	0.75		28	27	24	22	19	15	10
HMS4-40	0.75		38	36	32	32	26	20	14

Technical Data (50HZ)

Performance curve



Dimensions



Size and weight

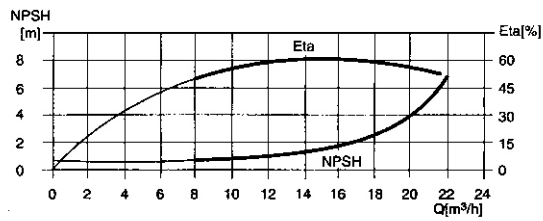
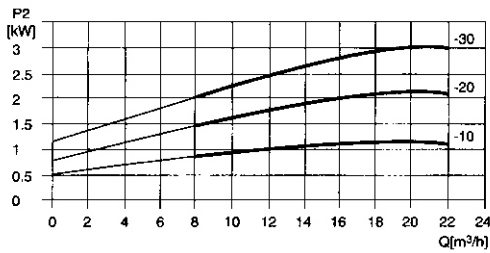
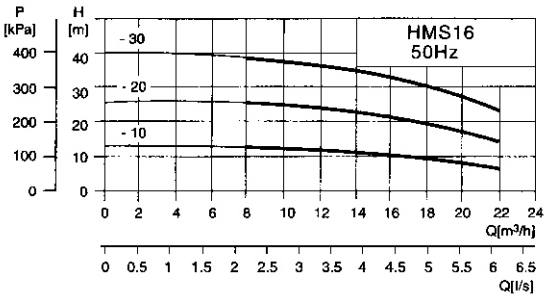
Model	L (mm)	H (mm)	D (mm)	Weight (kg)
HMS8-10	540	220	170	20
HMS8-20	540	220	170	20
HMS8-30	550	220	170	25
HMS8-40	560	230	180	25
HMS8-50	570	230	180	30

Performance table

Model	Power (kW)	Q (m³/h)	5	6	7	8	9	10	11
HMS8-10	0.75	H (m)	9.5	9.3	9	8.5	7.5	6.5	5.5
HMS8-20	0.75		19	18.5	18	17	15	13	11
HMS8-30	1.1		29	28	27	25.5	22.5	20	17.5
HMS8-40	1.5		39	38	36	34	30	26.5	22.5
HMS8-50	2.2		49	47	45	42.5	38	33.5	28

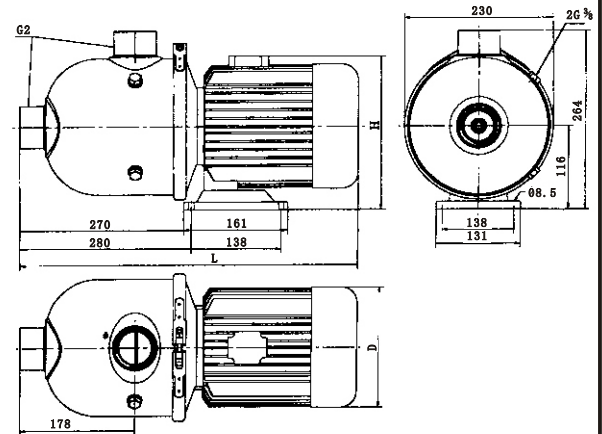
Technical Data (50HZ)

Performance curve



HMS16

Dimensions



Size and weight

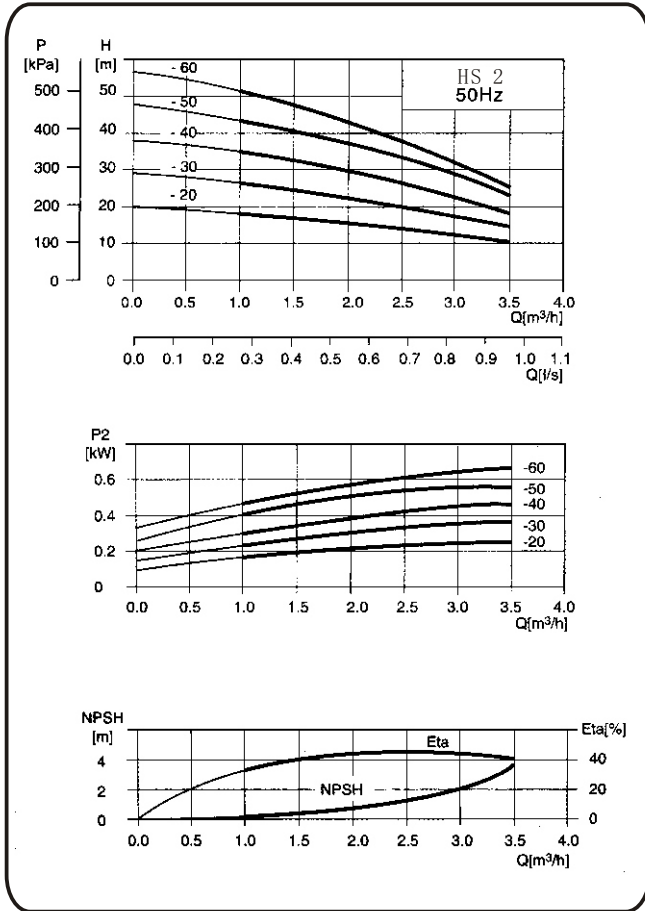
Model	L (mm)	H (mm)	D (mm)	Weight (kg)
HMS16-10	560	220	170	20
HMS16-20	570	230	180	25
HMS16-30	590	230	180	30

Performance table

Model	Power (kW)	Q (m³/h)	H (m)							
			8	10	12	14	16	18	20	22
HMS16-10	1.1	H (m)	12.5	12	11.5	10.5	10	9	7.5	6.5
HMS16-20	2.2		25.5	24	23	22	21	19	17	14.5
HMS16-30	3		38.5	37	36	34	32	30	27	23

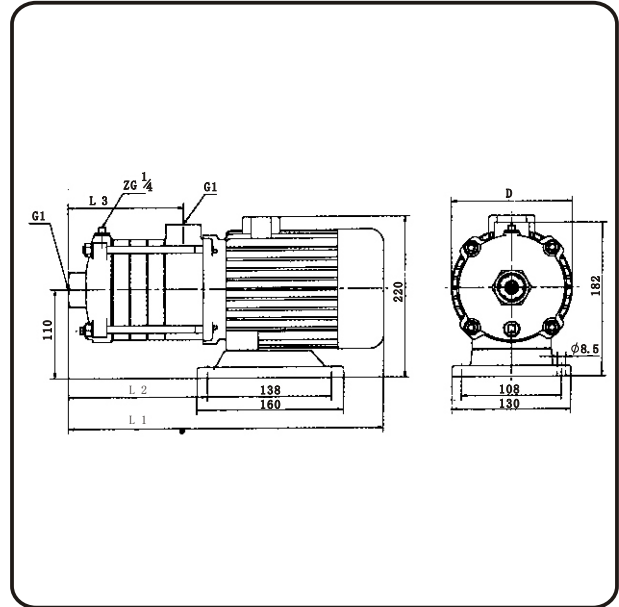
Technical Data (50HZ)

Performance curve



HS, HSI 2

Dimensions



Size and weight

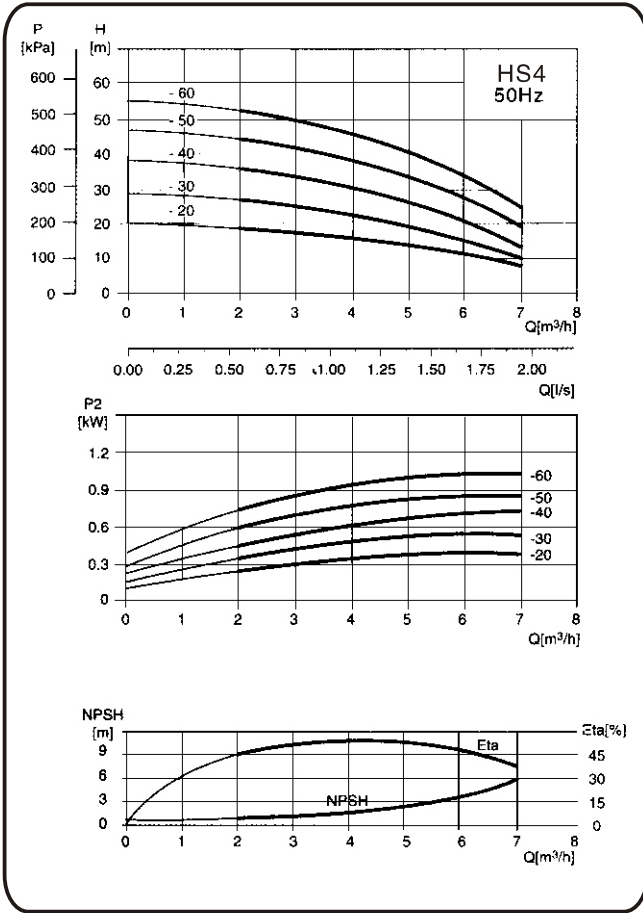
Model	L1 (mm)	L2 (mm)	L3 (mm)	D (mm)	Weight (kg)
HS2-20	305	87	84	145	15
HS2-30	323	105	102	145	15
HS2-40	341	123	120	145	15
HS2-50	359	141	138	145	15
HS2-60	422	159	156	170	17

Performance table

Model	Power (kW)	Q (m³/h)	0.5	1.0	1.5	2.0	2.5	3.0	3.5
HS2-20	0.37	H (m)	19	18	16	14	13	11	9
HS2-30	0.55		28	27	24	21	20	17	14
HS2-40	0.55		36	34	32	28	26	23	17
HS2-50	0.55		46	43	40	35	33	28	22
HS2-60	0.75		54	50	48	42	38	33	25

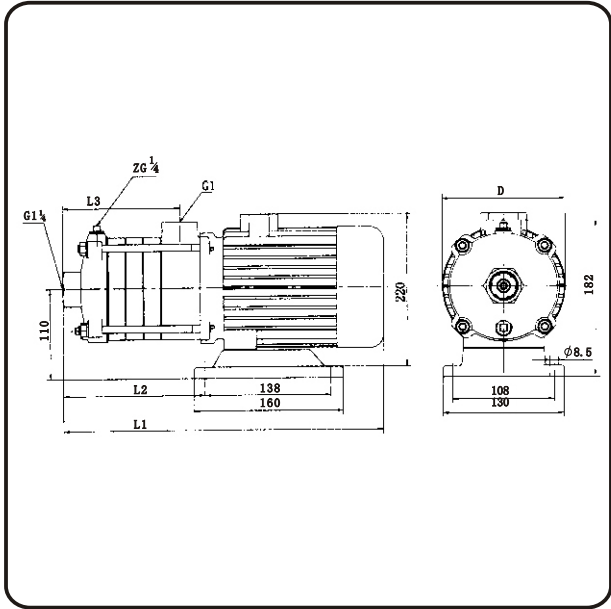
Technical Data (50HZ)

Performance curve



HS, HSI 4

Dimensions



Size and weight

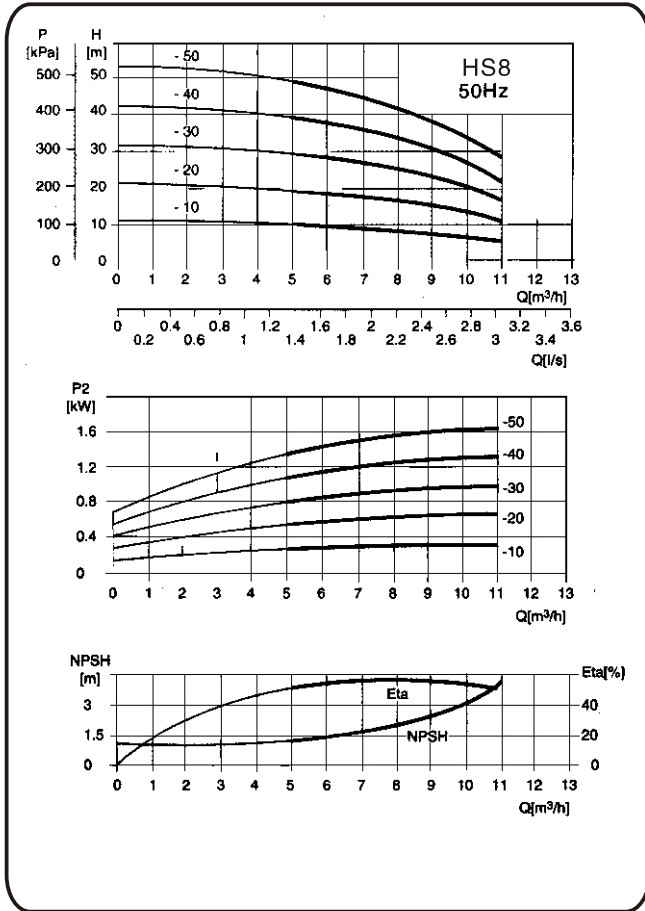
Model	L1 (mm)	L2 (mm)	L3 (mm)	D (mm)	Weight (kg)
HS4-20	323	96	102	145	15
HS4-30	395	132	129	145	17
HS4-40	422	156	156	170	17
HS4-50	469	186	183	170	20
HS4-60	496	213	210	170	20

Performance table

Model	Power (kW)	Q (m³/h)	1	2	3	4	5	6	7
HS4-20	0.55	H (m)	19	18	16	15	13	10	7
HS4-30	0.55		28	27	24	22	19	15	10
HS4-40	0.75		38	36	32	30	26	20	14
HS4-50	1.10		46	44	41	38	32	26	20
HS4-60	1.10		55	53	50	45	37	31	26

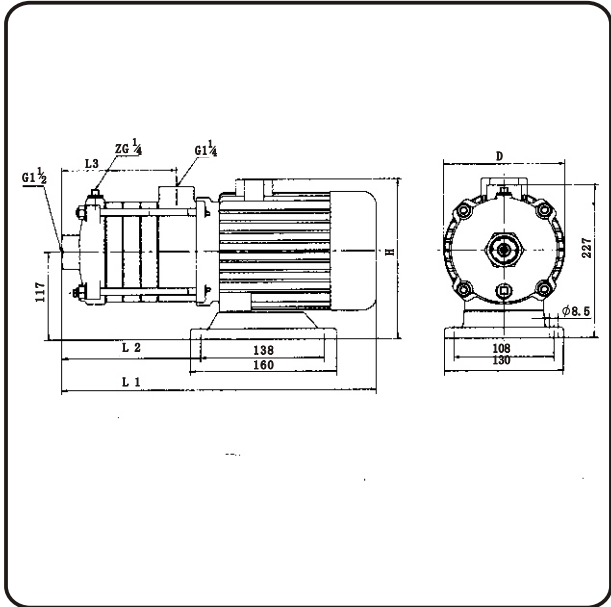
Technical Data (50HZ)

Performance curve



HS, HSI 8

Dimensions



Size and weight

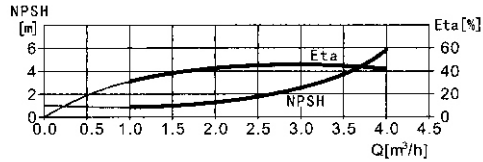
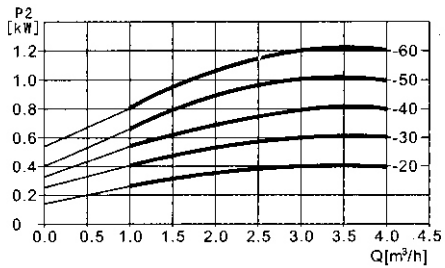
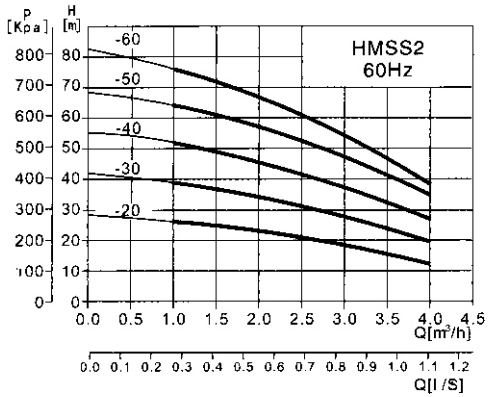
Model	L1 (mm)	L2 (mm)	L3 (mm)	H (mm)	D (mm)	Weight (kg)
HS8-10	365	98	75	250	170	20
HS8-20	395	128	105	250	170	20
HS8-30	425	158	135	250	170	25
HS8-40	490	188	165	270	180	28
HS8-50	520	218	195	270	180	30

Performance table

Model	Power (kW)	Q (m³/h)	5	6	7	8	9	10	11
HS8-10	0.75	H (m)	9.5	9.3	9	8.5	7.5	6.5	5.5
HS8-20	0.75		19	18.5	18	17	15	13	11
HS8-30	1.1		29	28	27	25.5	22.5	20	17.5
HS8-40	1.5		39	38	36	34	30	26.5	22.5
HS8-50	2.2		49	47	45	42.5	38	33.5	28

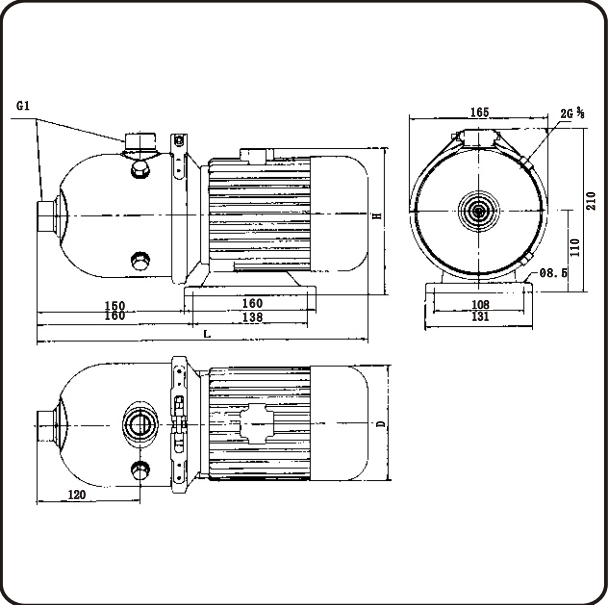
Technical Data (60HZ)

Performance curve



HMSS2

Dimensions



Size and weight

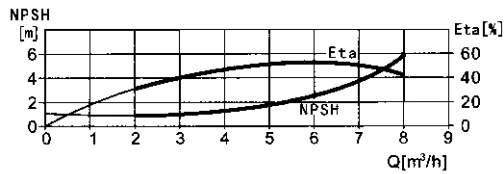
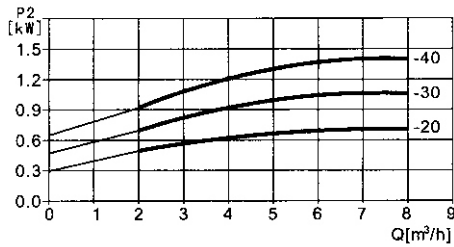
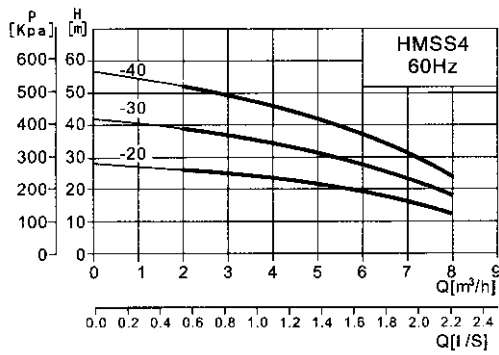
Model	L1 (mm)	H (mm)	D (mm)	Weight (kg)
HMSS2-20	400	220	145	10
HMSS2-30	420	220	160	10
HMSS2-40	420	230	170	15
HMSS2-50	420	230	170	15
HMSS2-60	470	230	170	20

Performance table

Model	Power (kW)	Q (m³/h)	1	1.5	2	2.5	3	3.5	4
HMSS2-20	0.55	H (m)	26	24	21	19	18	16	12
HMSS2-30	0.75		38	36	33	29	27	24	19
HMSS2-40	1.1		51	48	44	40	36	32	26
HMSS2-50	1.1		63	60	55	50	46	40	30
HMSS2-60	1.2		75	72	66	60	53	46	35

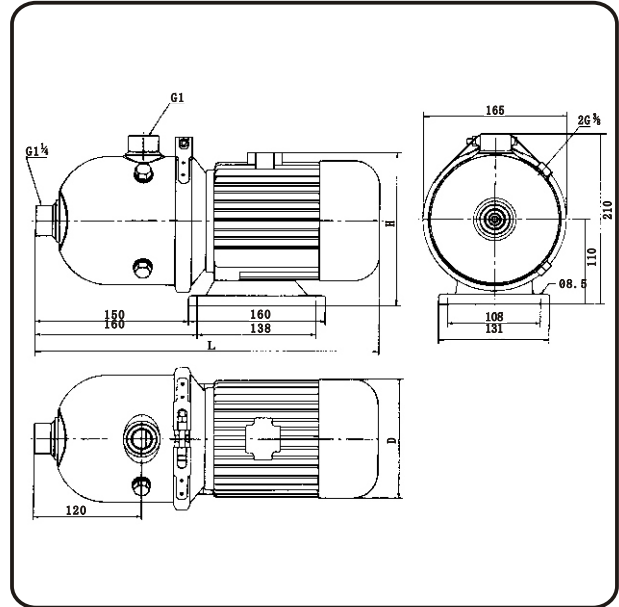
Technical Data (60HZ)

Performance curve



HMSS4

Dimensions



Size and weight

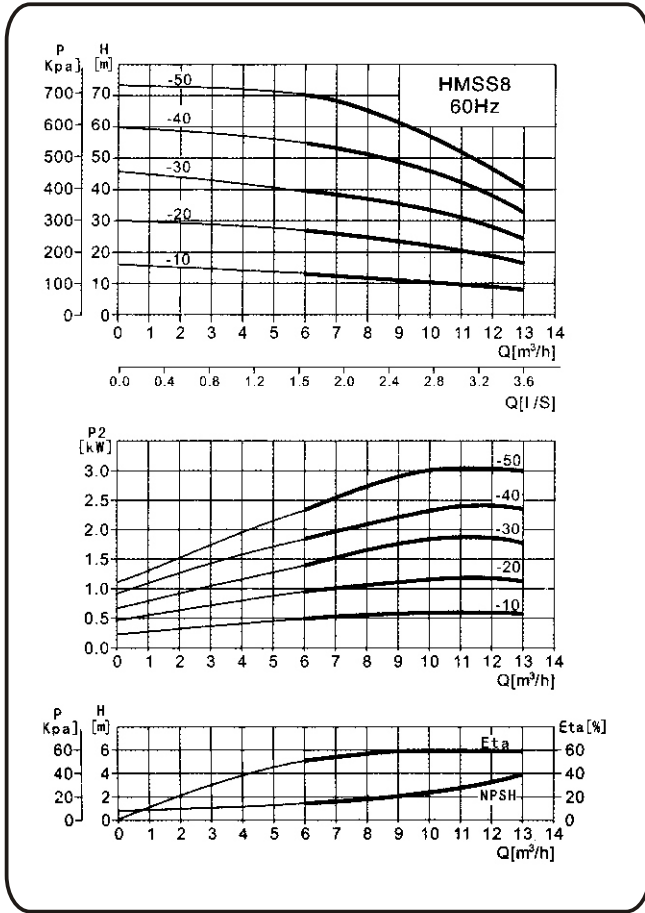
Model	L (mm)	D (mm)	D (mm)	Weight (kg)
HMSS4-20	420	230	160	10
HMSS4-30	420	230	170	15
HMSS4-40	470	230	170	20

Performance table

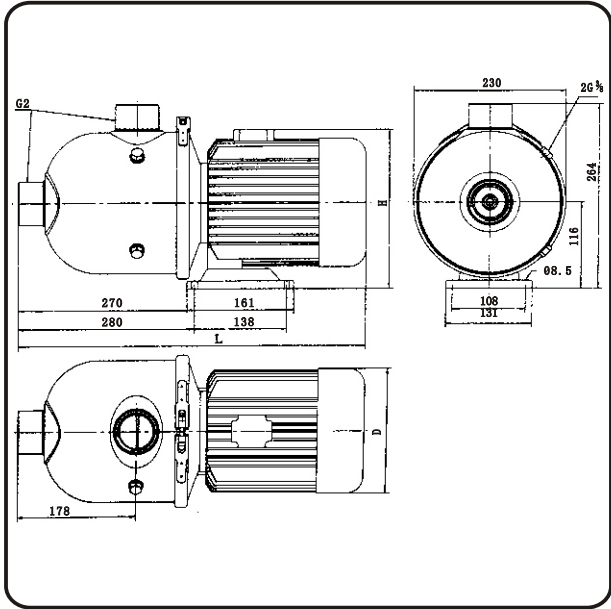
Model	Power (kW)	Q (m³/h)	1	1.5	2	2.5	3	3.0	4
HMSS4-20	0.75	H (m)	26	24	22	21	19	16	12
HMSS4-30	1.1		39	36	33	31	28	23	18
HMSS4-40	1.5		53	49	44	42	38	31	24

Technical Data (60HZ)

Performance curve



Dimensions



Size and weight

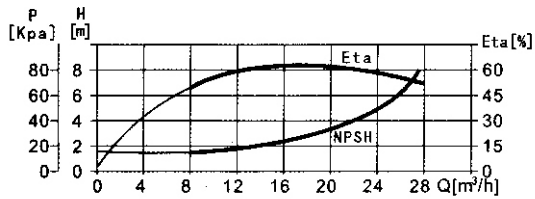
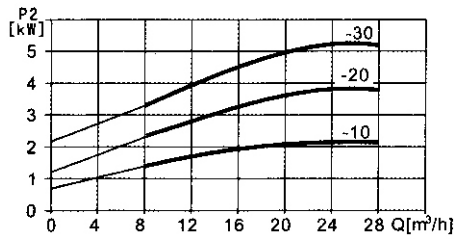
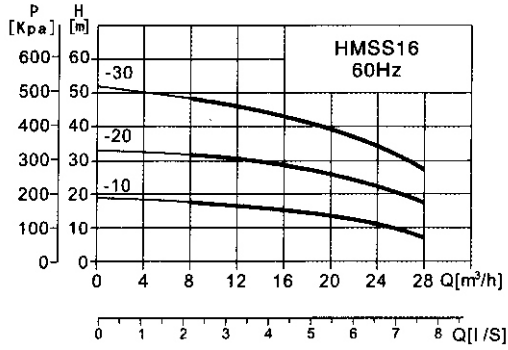
Model	L (mm)	H (mm)	D (mm)	Weight (kg)
HMSS8-10	460	230	160	20
HMSS8-20	475	230	170	25
HMSS8-30	475	230	180	25
HMSS8-40	505	230	195	30
HMSS8-50	505	230	195	30

Performance table

Model	Power (kW)	Q (m³/h)	6	7	8	9	10	11	12	13
HMSS8-10	0.75	H (m)	14	13	12	11.5	11	10	9	8
HMSS8-20	1.5		27	26	25	24	23	21	19	16
HMSS8-30	2.2		41	40	39	37	34	33	29	25
HMSS8-40	3		55	54	52	50	45	43	39	33
HMSS8-50	3		69	67	65	62	55	53	49	40

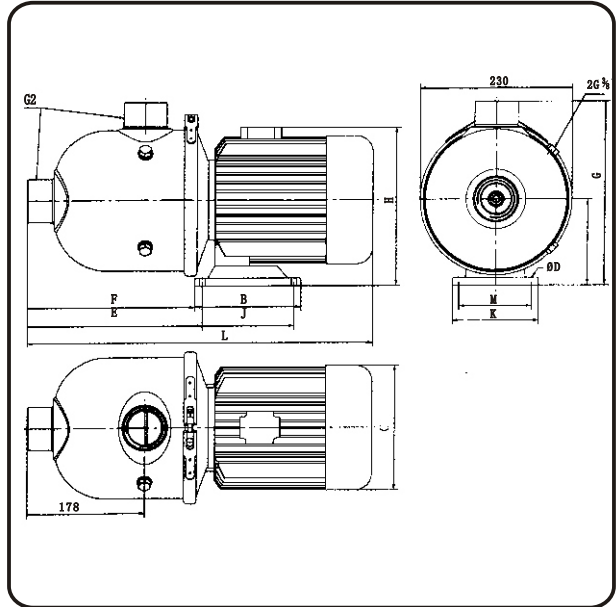
Technical Data (60HZ)

Performance curve



HMSS16

Dimensions



Size and weight

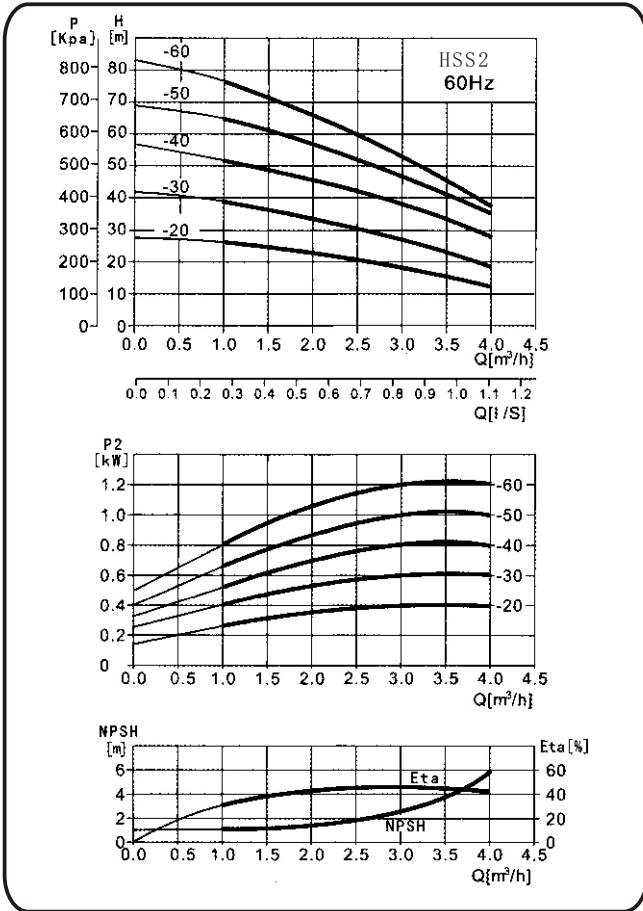
Model	L	H	G	B	C	E	F	J	Weight (kg)				
HMSS16-10	478	230	264	138	180	270	315	161	131	108	116	8.5	10
HMSS16-20	510	260	275	138	220	270	315	161	131	108	125	8.5	15
HMSS16-30	590	280	275	140	255	320	355	205	165	215	135	12	20

Performance table

Model	Power (kW)	Q (m³/h)	8	12	16	20	24	28
HMSS16-10	2.2	H (m)	17	16	15	13	11	8
HMSS16-20	4.0		33	31	29	26	21	17
HMSS16-30	5.5		49	47	44	39	32	25

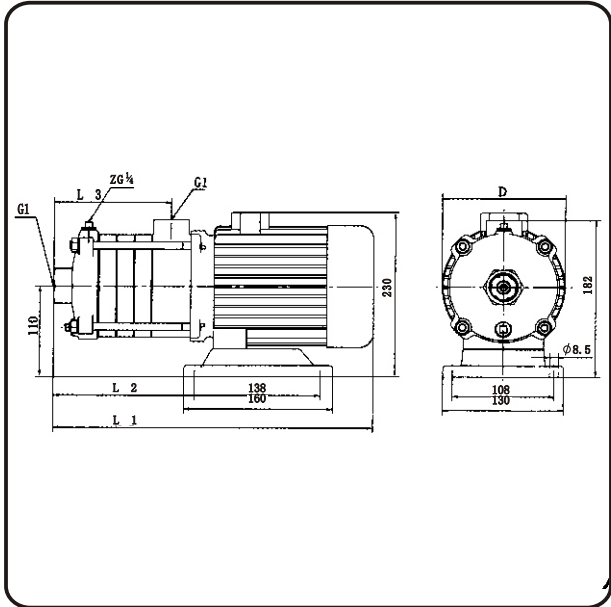
Technical Data (60HZ)

Performance curve



HSS, HSSIS 2

Dimensions



Size and weight

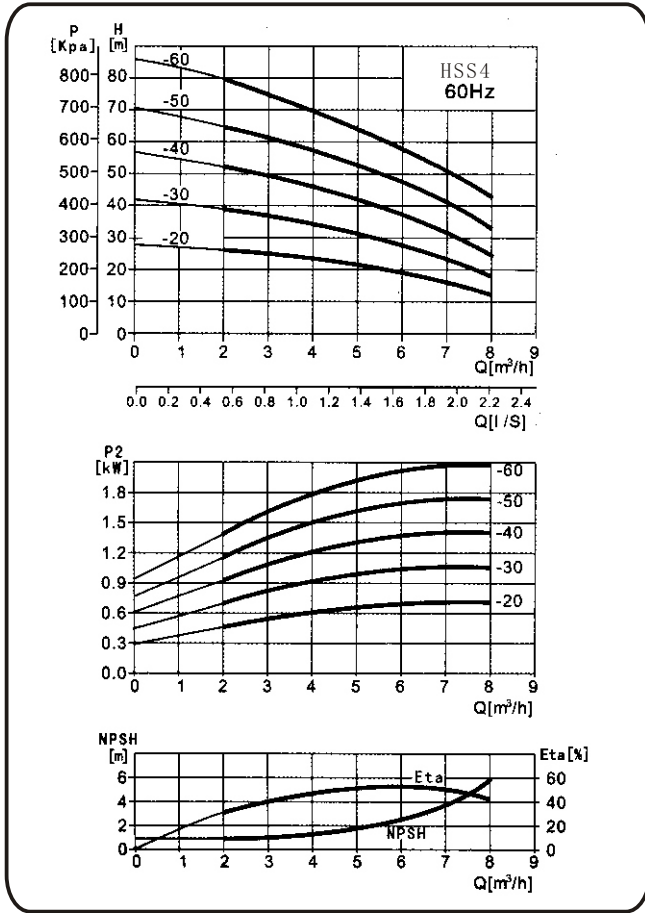
Model	L1 (mm)	L2 (mm)	L3 (mm)	D (mm)	Weight (kg)
HSS2-20	305	87	84	145	15
HSS2-30	370	105	102	170	17
HSS2-40	388	123	120	170	17
HSS2-50	406	141	138	170	17
HSS2-60	424	159	156	170	20

Performance table

Model	Power (kW)	Q (m³/h)	1	1.5	2	2.5	3	3.5	4
HSS2-20	0.55	H (m)	26	24	21	19	18	16	12
HSS2-30	0.75		38	36	33	29	27	24	19
HSS2-40	1.1		51	48	44	40	36	32	26
HSS2-50	1.1		63	60	55	50	46	40	30
HSS2-60	1.5		75	72	66	60	53	46	35

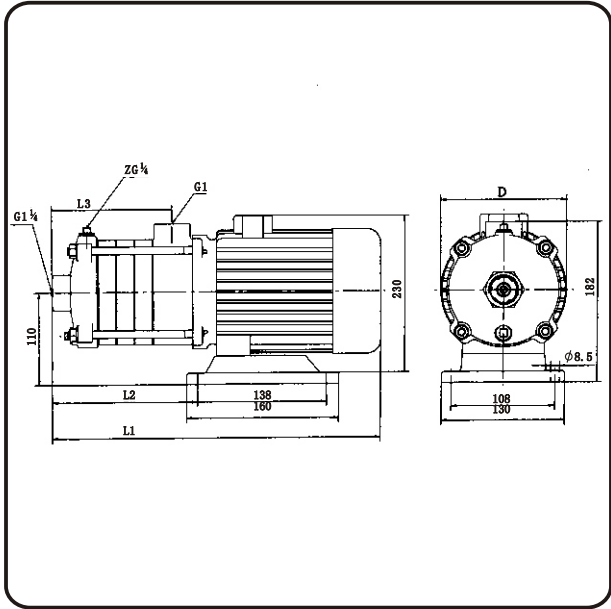
Technical Data (60HZ)

Performance curve



HSS, HSIS4

Dimensions



Size and weight

Model	L1 (mm)	L2 (mm)	L3 (mm)	D (mm)	Weight (kg)
HSS4-20	359	96	102	170	15
HSS4-30	395	132	129	170	17
HSS4-40	422	159	156	170	20
HSS4-50	469	186	183	180	25
HSS4-60	496	213	210	180	25

Performance table

Model	Power (kW)	Q (m³/h)	2	3	4	5	6	7	8
HSS4-20	0.75	H (m)	26	24	22	21	19	16	12
HSS4-30	1.1		39	36	33	32	28	23	18
HSS4-40	1.5		53	49	44	42	38	31	24
HSS4-50	2.2		65	62	56	52	48	42	32
HSS4-60	2.2		80	75	69	62	58	50	42



Waterpump
SEOCA