GLOBAL PUMP SOLUTION DOOCH

60Hz

• DHF(T)

• DHM

HORIZONTAL MULTI/SINGLESTAGE PUMP

DHF(T), DHM SERIES

dooch
두크펌프

DHF(T) 60Hz

STAINLESS STEEL HORIZONTAL MULTISTAGE PUMP

DHF

DHFT

Feauture

DHF(T) are non-self priming, horizontal and multistage pump.

The DHF pump are designed for the needs of commercial and industrial application. The DHF pumps consist of mechanical seal, shaft and axial suction, radial discharge.

The material of wet parts is stainless steel that prevents corrosion.

Application

Pressure boosting system

Water treatment

Cooling system

Irrigation system

Sprinkler system

Industrial water supply system

Definition of Model

DHF (T) 4 – 3 (M)

- (M): Single phase, 220V (Without M, 3phase)
- 3: The number of impellers
- 4: Rated flow (m^3/h)
- (T): Intel/Outlet casing material With "T" : GCD450 Without "T" : Stainless Steel
- DHF: Pump Type : Horizontal multistage centrifugal pump

Pumped Liquid

Clean, thin, non-flammable and explosive,

not containing the liquid with solid particle and fiber

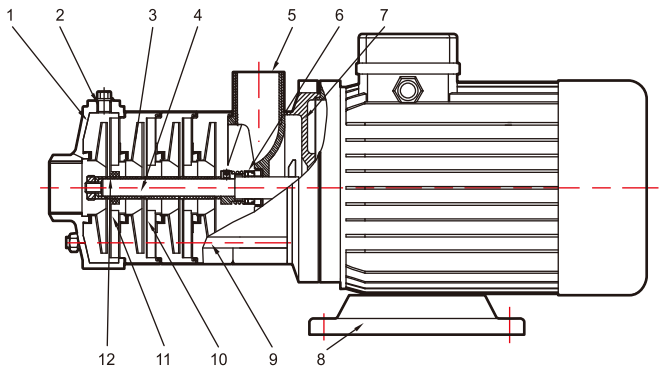
Installation Requirement

- The pump shall be fastened on a stable horizontal base
- The installation of the pump shall ensure that the pump will not be forced by the tension of the pipeline
- The pump shall be installed on the ventilating and anti-freezing location
- Electric wiring device shall guarantee that the pump will not be damaged by lack of phase, unstable voltage, current leakage and overload

Motor specification

Motor type : TEFC
Protection class : IP54
Insulation class : F
Standard voltage : 3 phase 220V/380V, 60Hz
Single phase 220V, 60Hz

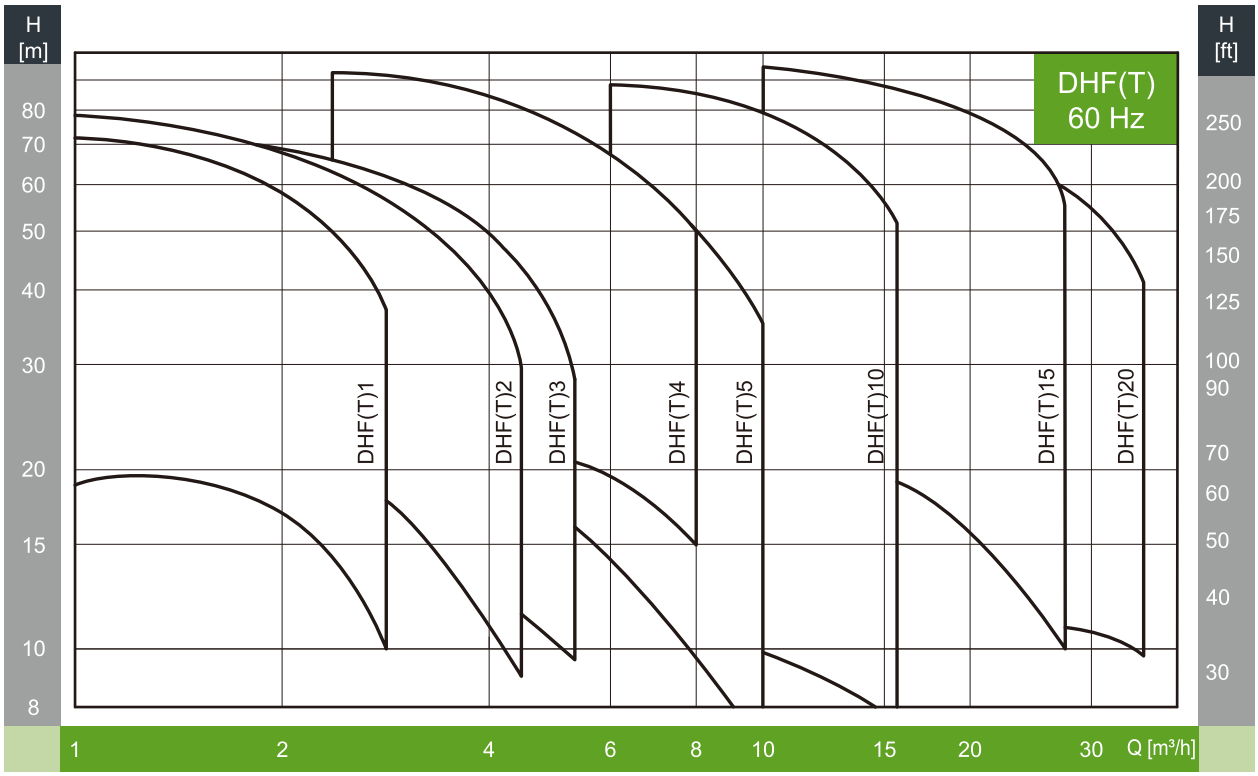
Sectional Drawing



Material

NO.	PART	MATERIAL	AISI/ASTM
1	Suction casing(DHF)	Stainless steel	CF 8 (AISI304)
	Suction casing(DHFT)	GCD450	A395
2	Air release valve	Stainless steel	AISI304
3	Impeller	Stainless steel	AISI304
4	Shaft	Stainless steel	AISI304
5	Discharge casing(DHF)	Stainless steel	CF 8 (AISI304)
	Discharge casing(DHFT)	GCD450	A395
6	Mechanical Seal	SIC/CARBON/VITON	
7	Motor flange	Aluminum alloy	
8	Base	Steel	AISI1015
9	Bolt	Stainless steel	AISI304
10	Diffuser	Stainless steel	AISI304
11	Support Diffuser	Stainless steel	AISI304
12	Sleeve	Stainless steel	AISI304

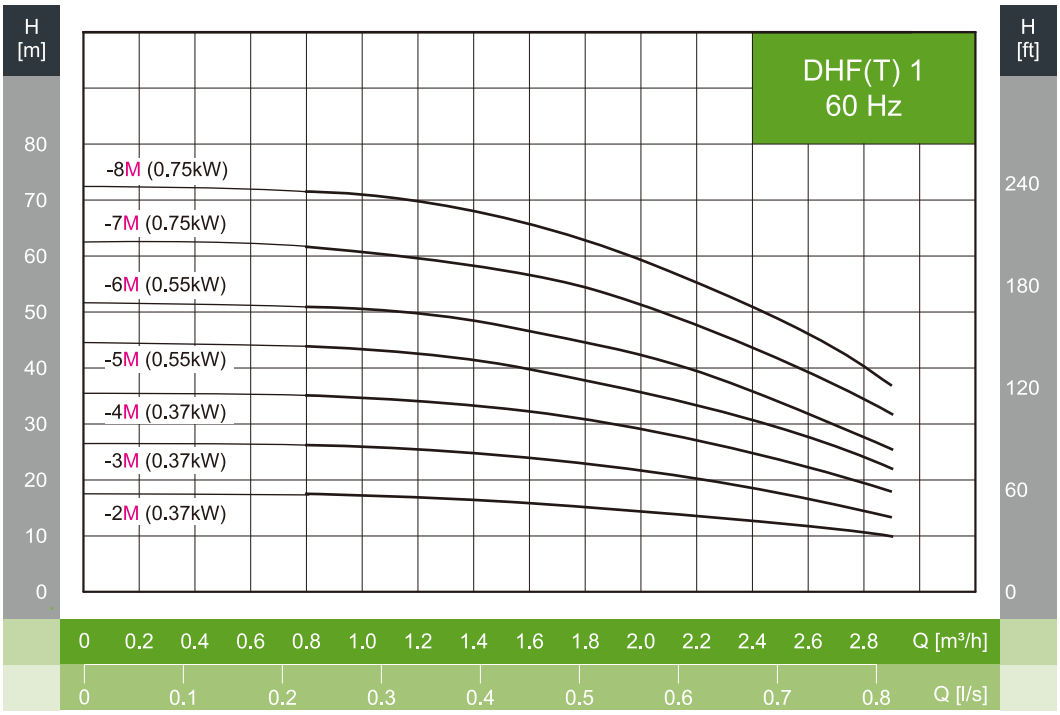
Performance Range (60Hz)

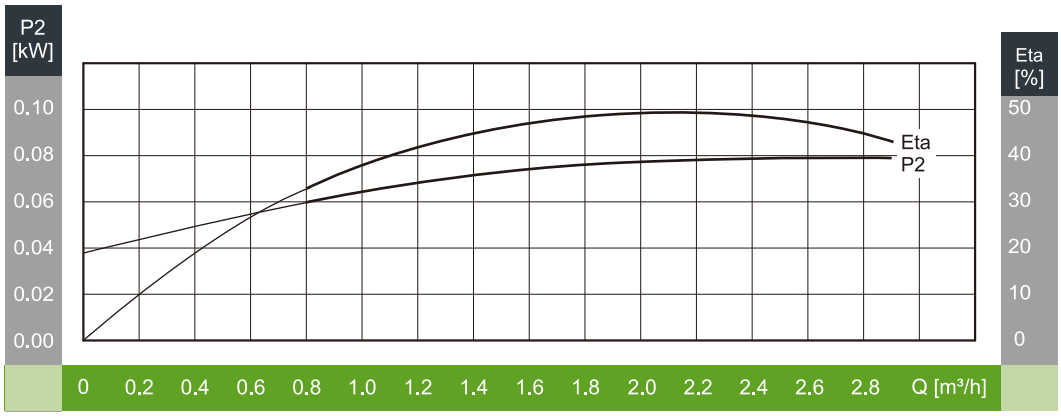


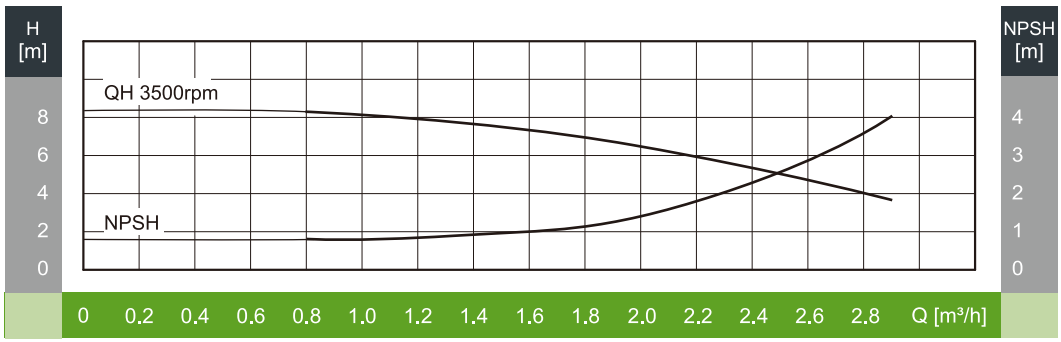
Specification

Description	DHF(T)1	DHF(T)2	DHF(T)3	DHF(T)4	DHF(T)5	DHF(T)10	DHF(T)15	DHF(T)20
Rated Flow [m³/h]	1	2	3	4	5	10	15	20
Flow Range [m³/h]	0.8-2.9	1-4.5	1.4-5.4	2.5-8	3-10.3	6-15.8	10.2-28.6	12.5-35
Max. operation pressure [bar]	10							
Motor Power [kW]	0.37-0.75	0.55-1.1	0.37-1.1	0.75-2.2	0.55-2.2	0.75-4	1.5-7.5	2.2-7.5
Liquid Temperature [℃]	-15 ~ 70°C							
Ambient Temperature [℃]	Max. 40°C							
Pump Type	Horizontal Multistage Pump							
Inlet size	25A	25A	25A	32A	32A	40A	50A	50A
Outlet size	25A	25A	25A	25A	25A	32A	50A	50A

Performance Curve

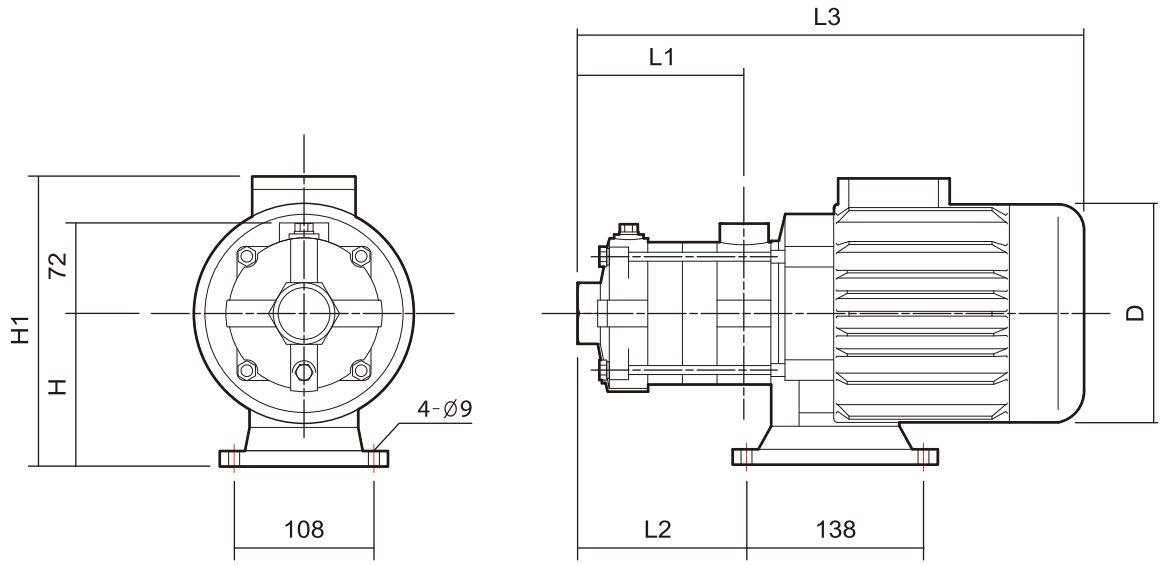






※ Given that the product mentioned above is customised, please contact the main office.

Outline Drawing

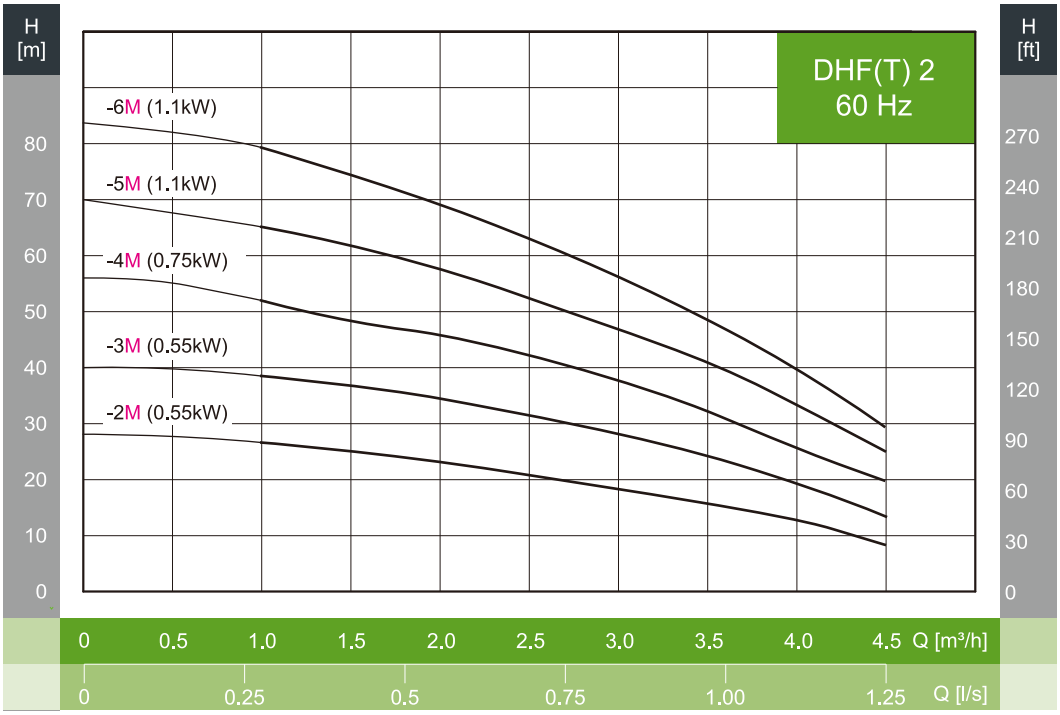


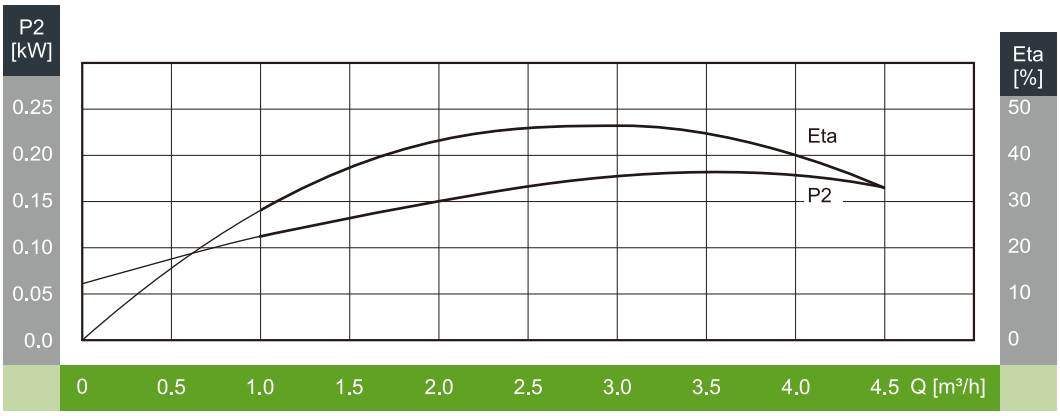
Dimension / Weight

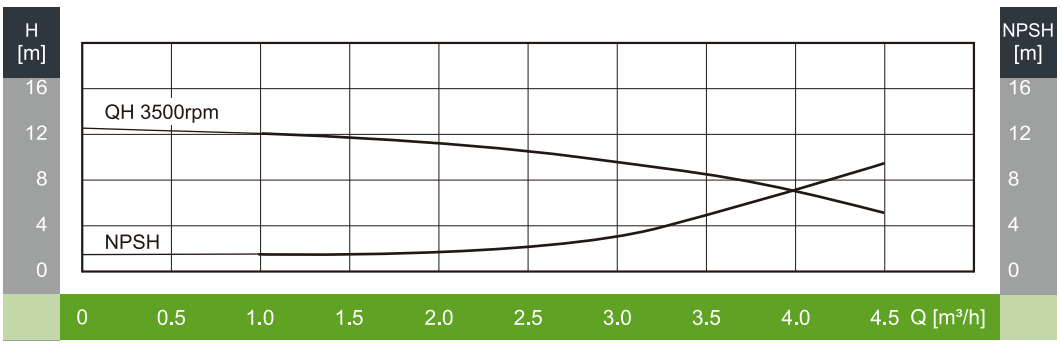
MODEL	DIAMETER		POWER		SIZE (mm)						WEIGHT (kg)
	INLET	OUTLET	kW	HP	L1	L2	L3	H	H1	D	
DHF(T)1-2M	25A	25A	0.37	0.5	85.5	88.5	313	110	229	140	16
DHF(T)1-3M	25A	25A	0.37	0.5	103.5	106.5	331	110	229	140	16
DHF(T)1-4M	25A	25A	0.37	0.5	121.5	124.5	349	110	229	140	16
DHF(T)1-5M	25A	25A	0.55	0.75	139.5	142.5	367	110	229	140	17
DHF(T)1-6M	25A	25A	0.55	0.75	157.5	160.5	385	110	229	140	17
DHF(T)1-7M	25A	25A	0.75	1	175.5	178.5	427	110	236	150	18
DHF(T)1-8M	25A	25A	0.75	1	193.5	196.5	445	110	236	150	18

Notice | "M" is omitted from the model name, For the 3phase 220V/380V power input.

Performance Curve







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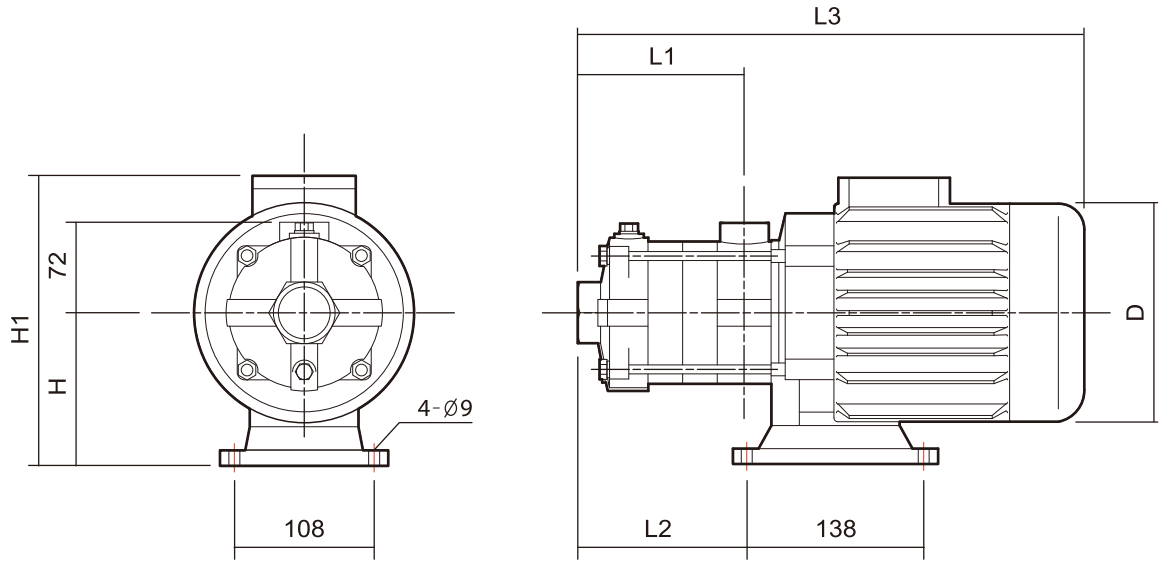
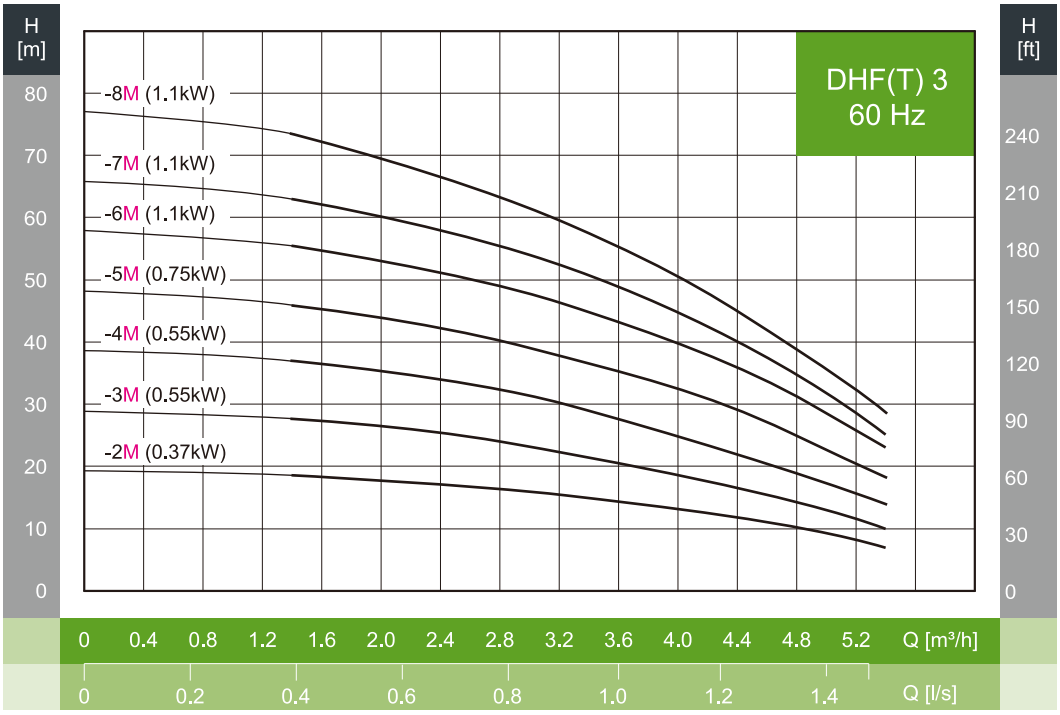


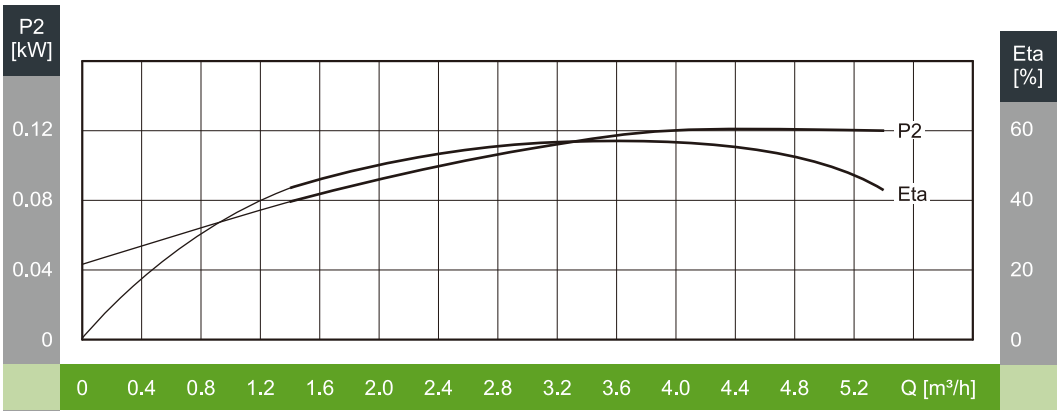
Dimension / Weight

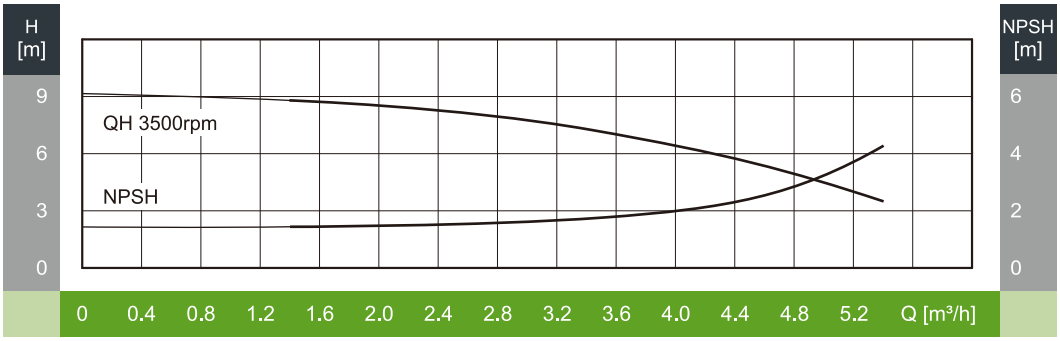
MODEL	DIAMETER		POWER		SIZE (mm)						WEIGHT (kg)
	INLET	OUTLET	kW	HP	L1	L2	L3	H	H1	D	
DHF(T)2-2M	25A	25A	0.55	0.75	85.5	88.5	313	110	229	140	17
DHF(T)2-3M	25A	25A	0.55	0.75	103.5	106.5	331	110	229	140	17
DHF(T)2-4M	25A	25A	0.75	1	121.5	124.5	373	110	236	150	18
DHF(T)2-5M	25A	25A	1.1	1.5	139.5	142.5	391	110	236	150	18
DHF(T)2-6M	25A	25A	1.1	1.5	157.5	160.5	409	110	236	150	19

Notice | "M" is omitted from the model name, For the 3phase 220V/380V power input.

Performance Curve







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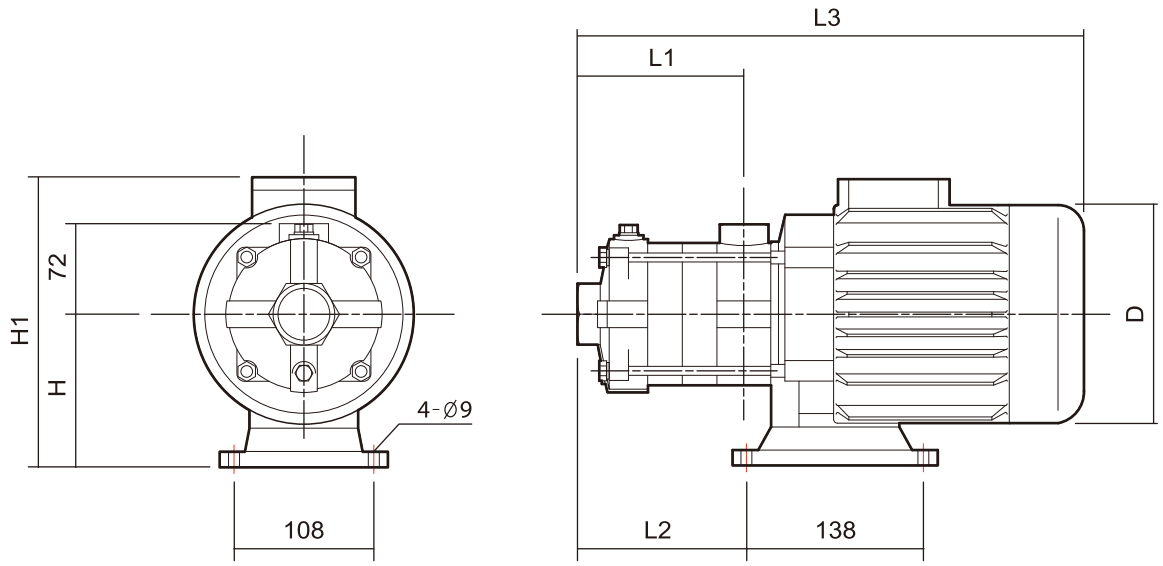
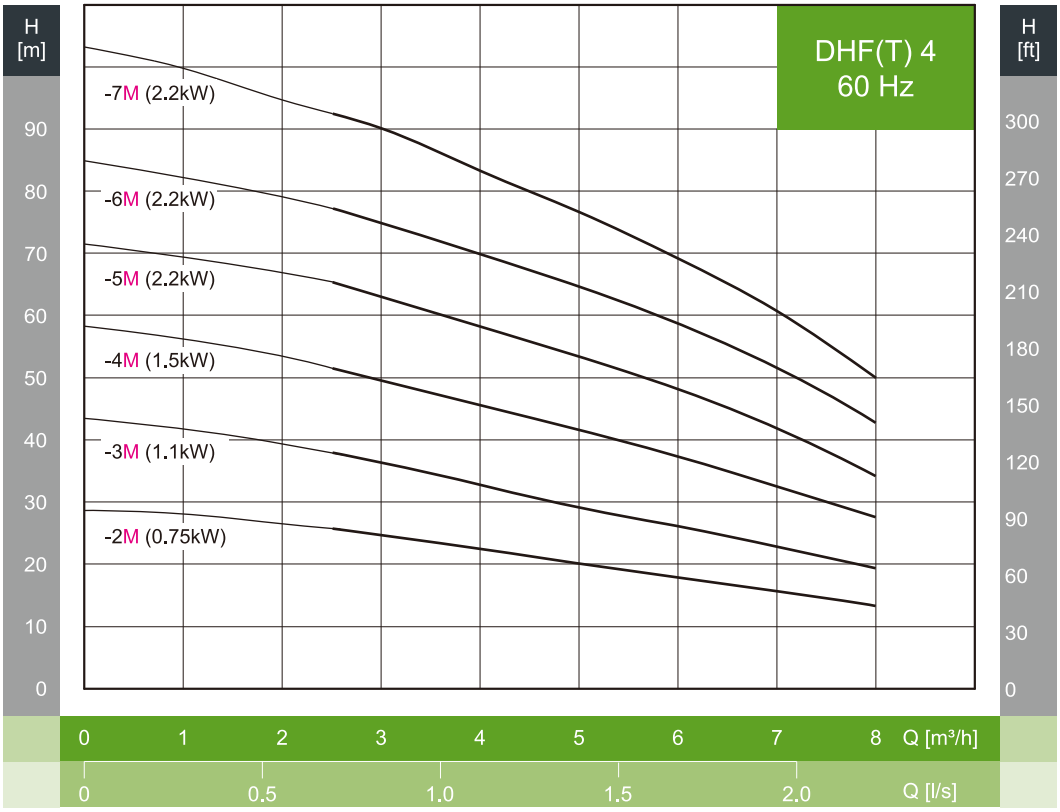


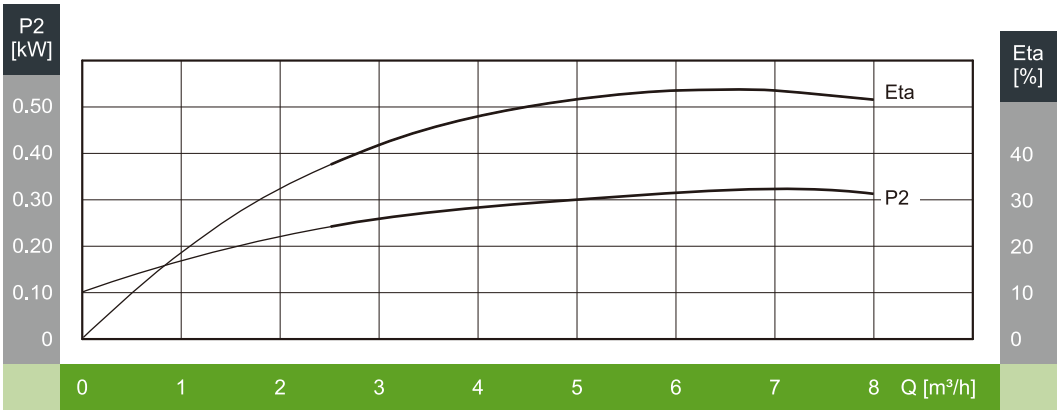
Dimension / Weight

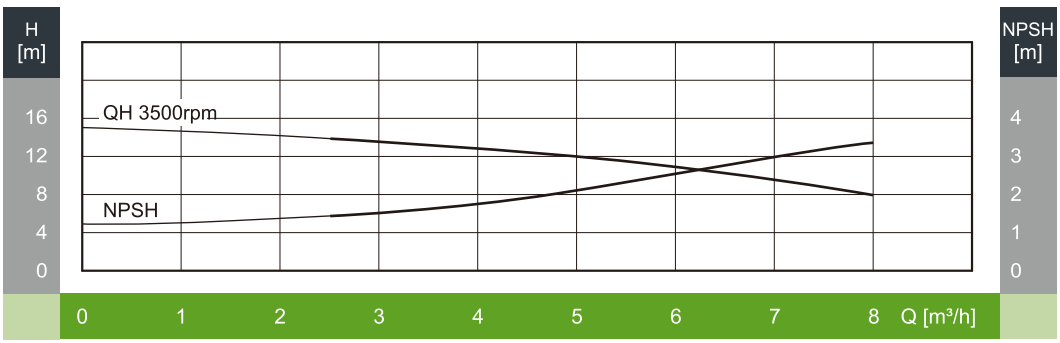
MODEL	DIAMETER		POWER		SIZE (mm)						WEIGHT (kg)
	INLET	OUTLET	kW	HP	L1	L2	L3	H	H1	D	
DHF(T)3-2M	25A	25A	0.37	0.5	85.5	88.5	313	110	229	140	16
DHF(T)3-3M	25A	25A	0.55	0.75	103.5	106.5	331	110	229	140	17
DHF(T)3-4M	25A	25A	0.55	0.75	121.5	124.5	349	110	229	140	17
DHF(T)3-5M	25A	25A	0.75	1	139.5	142.5	391	110	236	150	18
DHF(T)3-6M	25A	25A	1.1	1.5	157.5	160.5	409	110	236	150	19
DHF(T)3-7M	25A	25A	1.1	1.5	175.5	178.5	427	110	236	150	19
DHF(T)3-8M	25A	25A	1.1	1.5	193.5	196.5	445	110	236	150	20

Notice | "M" is omitted from the model name, For the 3phase 220V/380V power input.

Performance Curve







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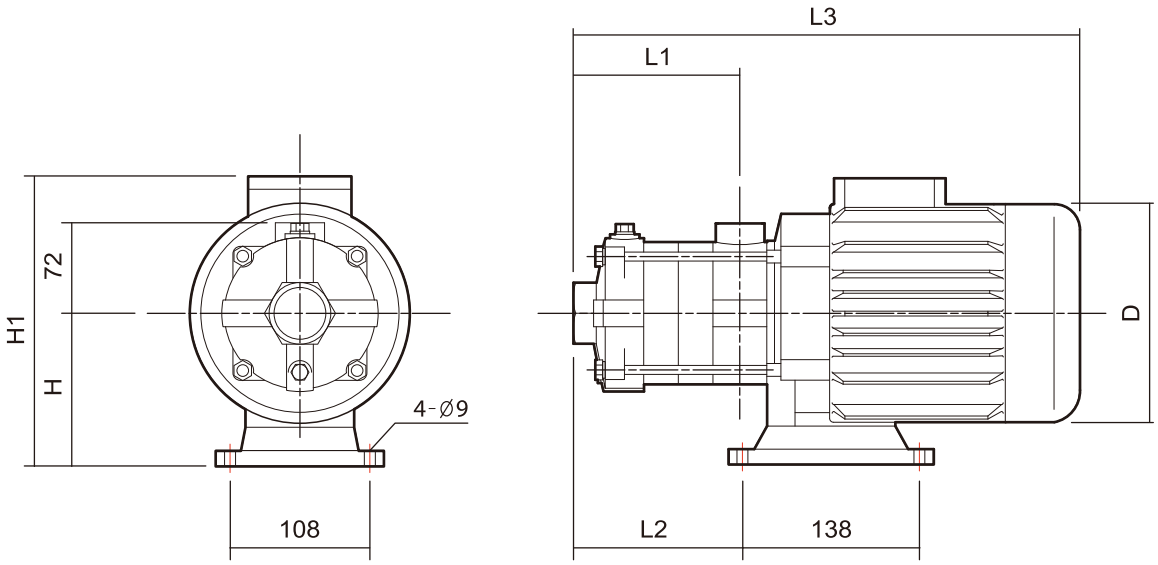
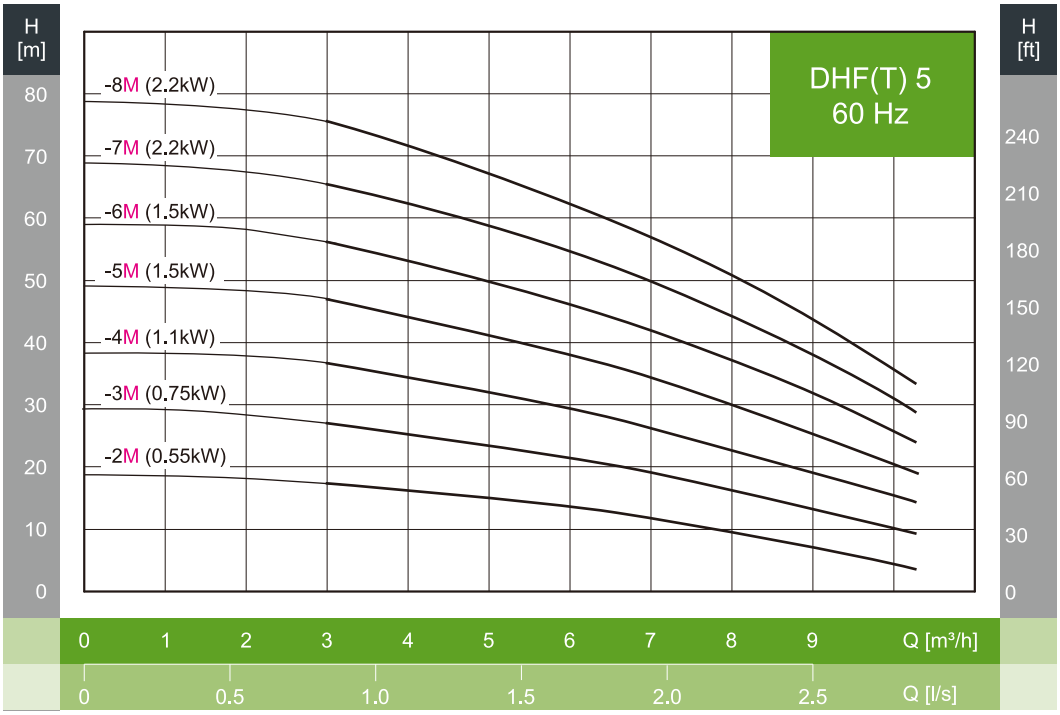


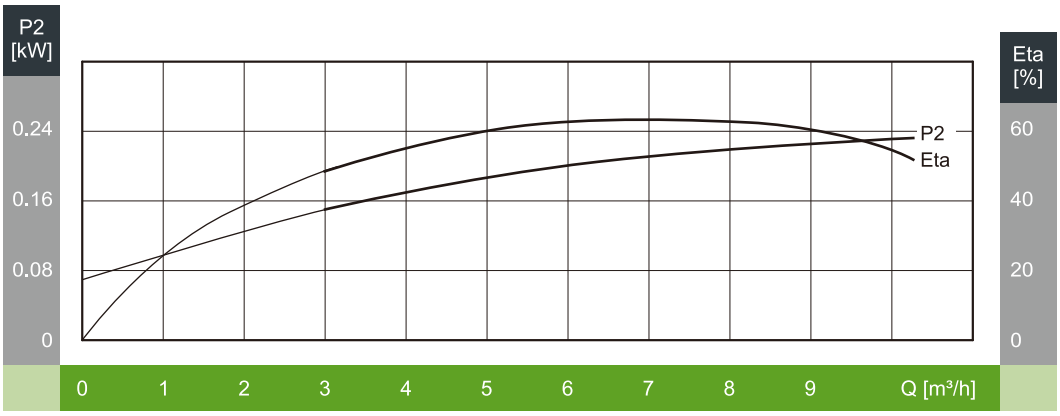
Dimension / Weight

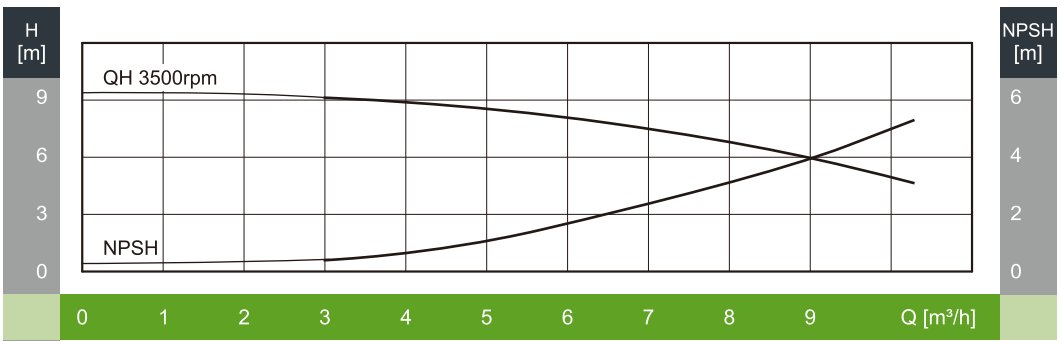
MODEL	DIAMETER		POWER		SIZE (mm)						WEIGHT (kg)
	INLET	OUTLET	kW	HP	L1	L2	L3	H	H1	D	
DHF(T)4-2M	32A	25A	0.75	1	103	106	355	110	236	150	18
DHF(T)4-3M	32A	25A	1.1	1.5	130	133	382	110	236	150	19
DHF(T)4-4M	32A	25A	1.5	2	157	160	446	118	255	171	25
DHF(T)4-5M	32A	25A	2.2	3	184	187	473	118	255	171	28
DHF(T)4-6M	32A	25A	2.2	3	211	214	500	118	255	171	28
DHF(T)4-7M	32A	25A	2.2	3	238	241	527	118	255	171	28

Notice | "M" is omitted from the model name, For the 3phase 220V/380V power input.

Performance Curve







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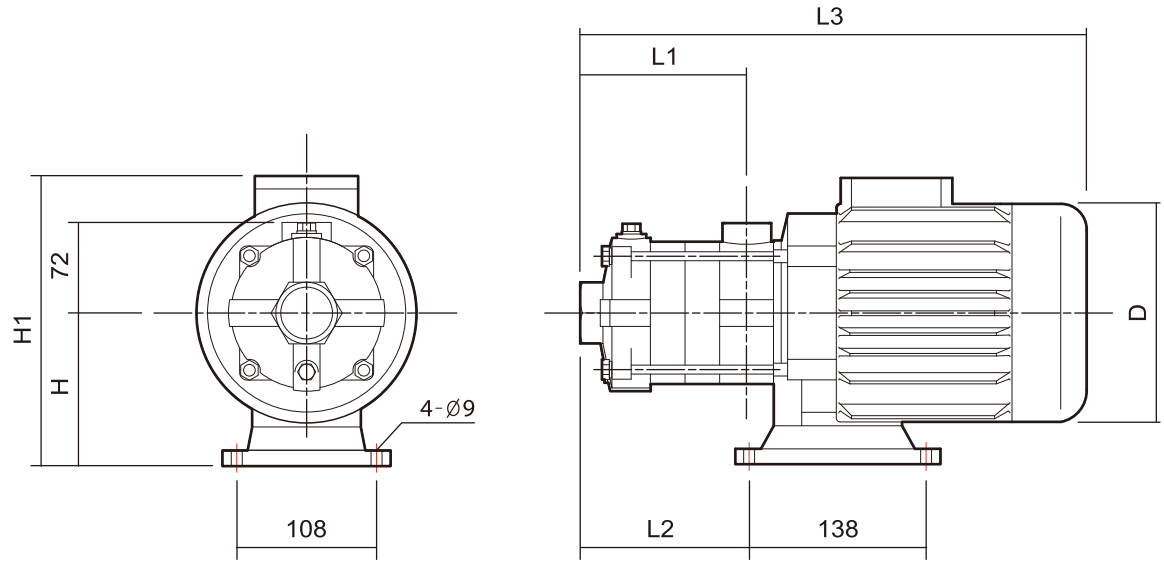
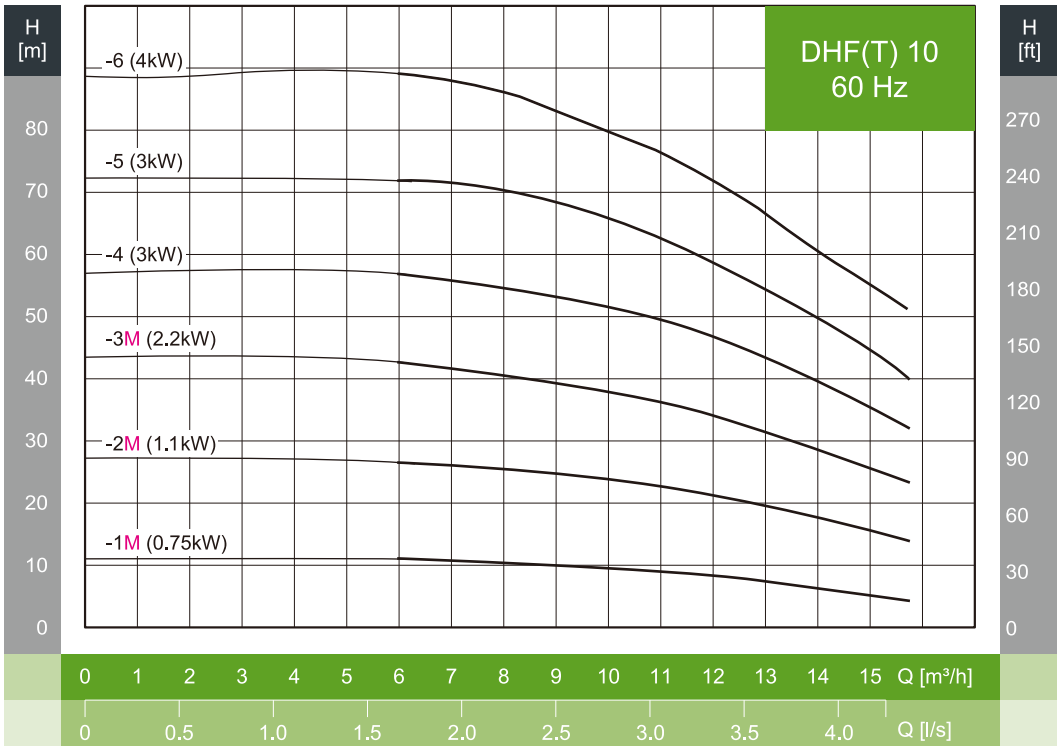


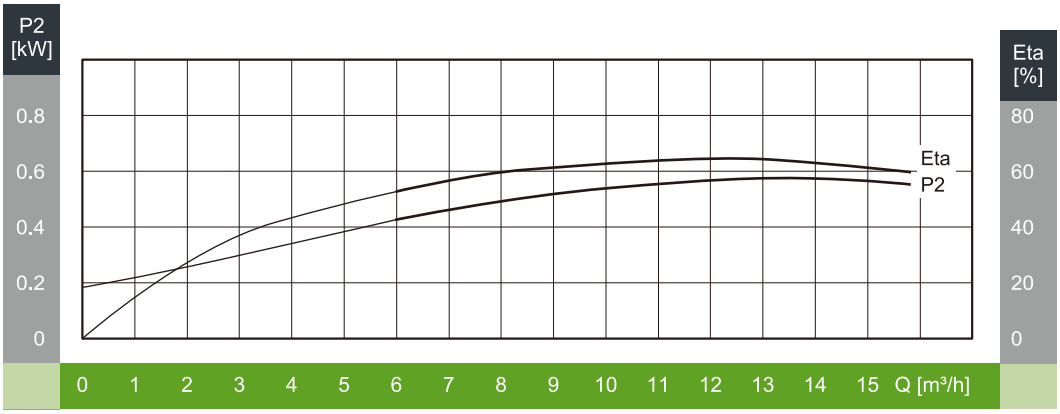
Dimension / Weight

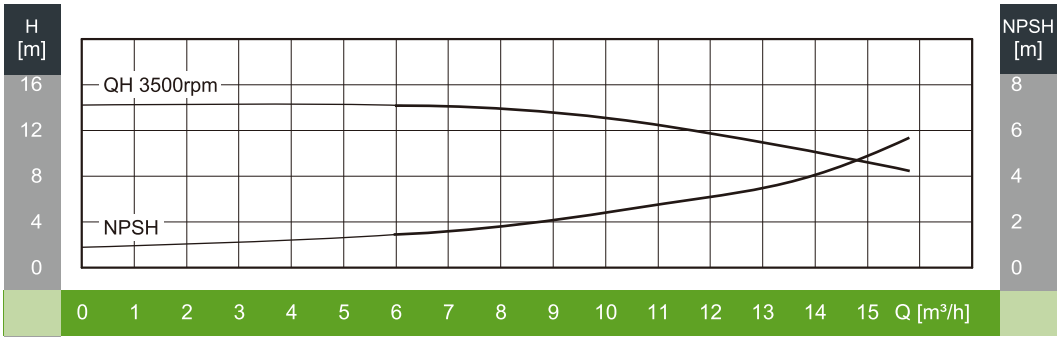
MODEL	DIAMETER		POWER		SIZE (mm)						WEIGHT (kg)
	INLET	OUTLET	kW	HP	L1	L2	L3	H	H1	D	
DHF(T)5-2M	32A	25A	0.55	0.75	103	106	330	110	229	140	17
DHF(T)5-3M	32A	25A	0.75	1	130	133	391	110	236	150	19
DHF(T)5-4M	32A	25A	1.1	1.5	157	160	409	110	236	150	20
DHF(T)5-5M	32A	25A	1.5	2	184	187	473	118	255	171	25
DHF(T)5-6M	32A	25A	1.5	2	211	214	491	118	255	171	28
DHF(T)5-7M	32A	25A	2.2	3	238	241	527	118	255	171	28
DHF(T)5-8M	32A	25A	2.2	3	265	268	554	118	255	171	29

Notice | "M" is omitted from the model name, For the 3phase 220V/380V power input.

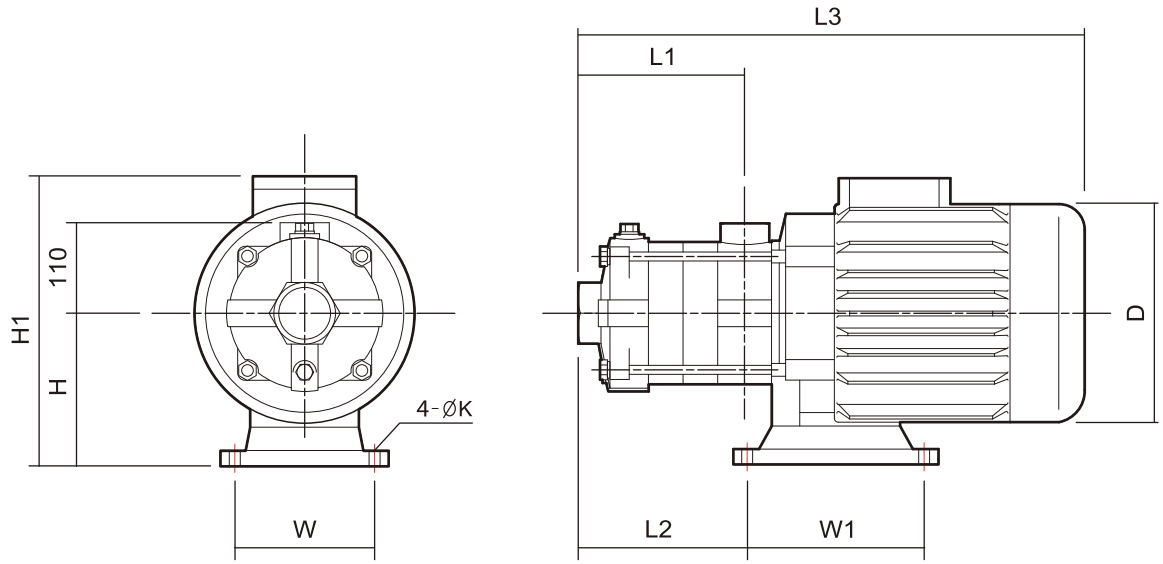
Performance Curve







Outline Drawing

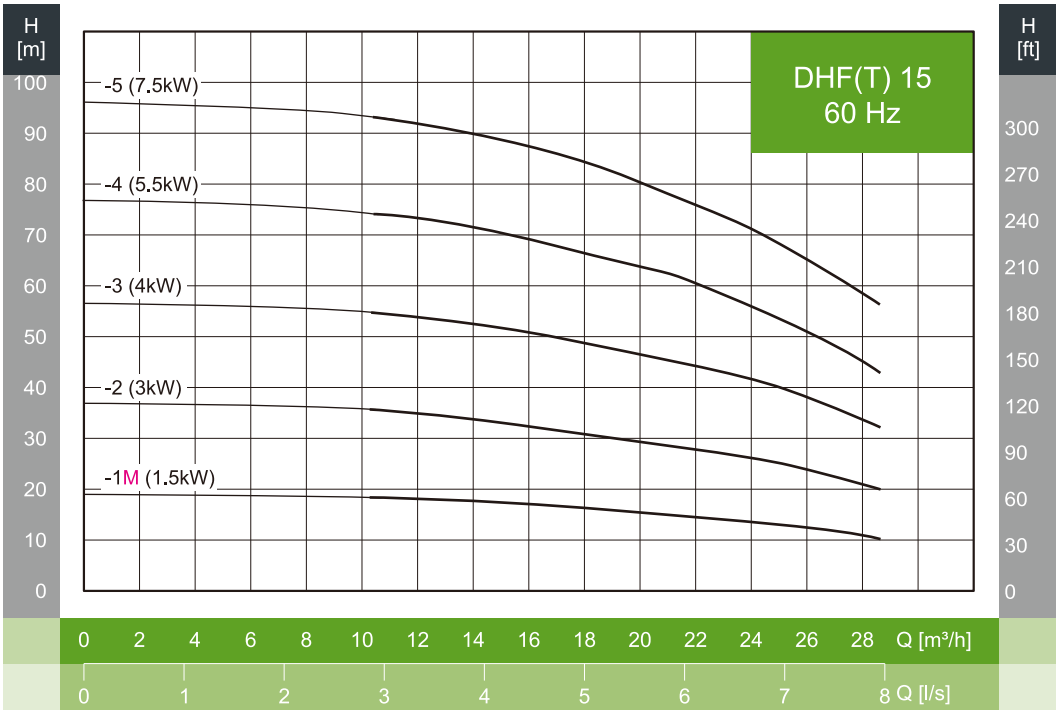


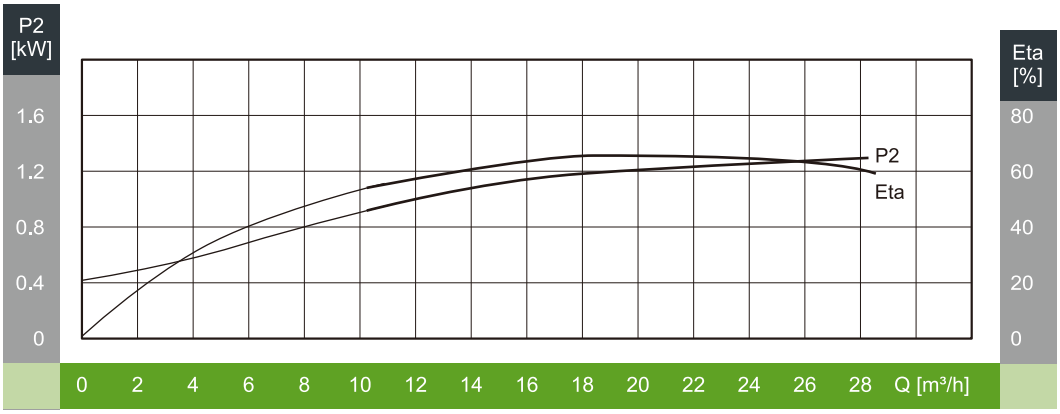
Dimension / Weight

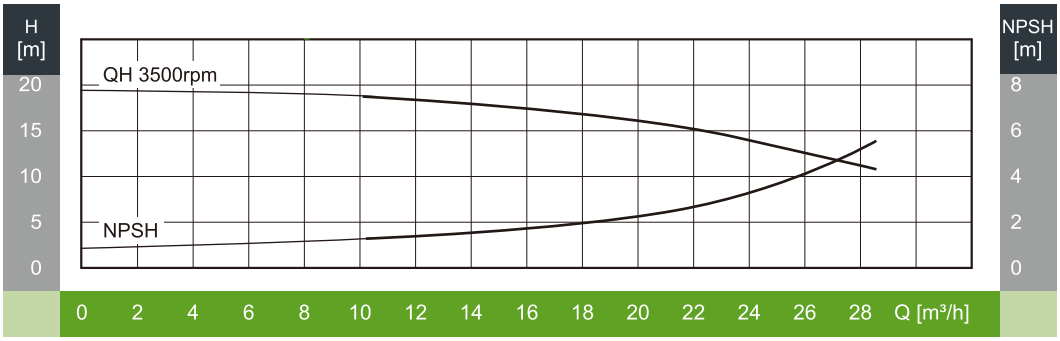
MODEL	DIAMETER		POWER		SIZE (mm)									WEIGHT (kg)
	INLET	OUTLET	kW	HP	L1	L2	L3	W	W1	H	H1	D	K	
DHF(T)10-1M	40A	32A	0.75	1	76	94	344	108	138	117	242	151	9	21
DHF(T)10-2M	40A	32A	1.1	1.5	106	124	414	108	138	118	255	171	9	24
DHF(T)10-3M	40A	32A	2.2	3	136	154	444	108	138	118	255	171	9	30
DHF(T)10-4	40A	32A	3	4	166	184	530	108	138	130	280	196	9	38
DHF(T)10-5	40A	32A	3	4	196	214	560	108	138	130	280	196	9	39
DHF(T)10-6	40A	32A	4	5.5	226	244	596	190	140	120	288	214	12	48

Notice | "M" is omitted from the model name, For the 3phase 220V/380V power input.

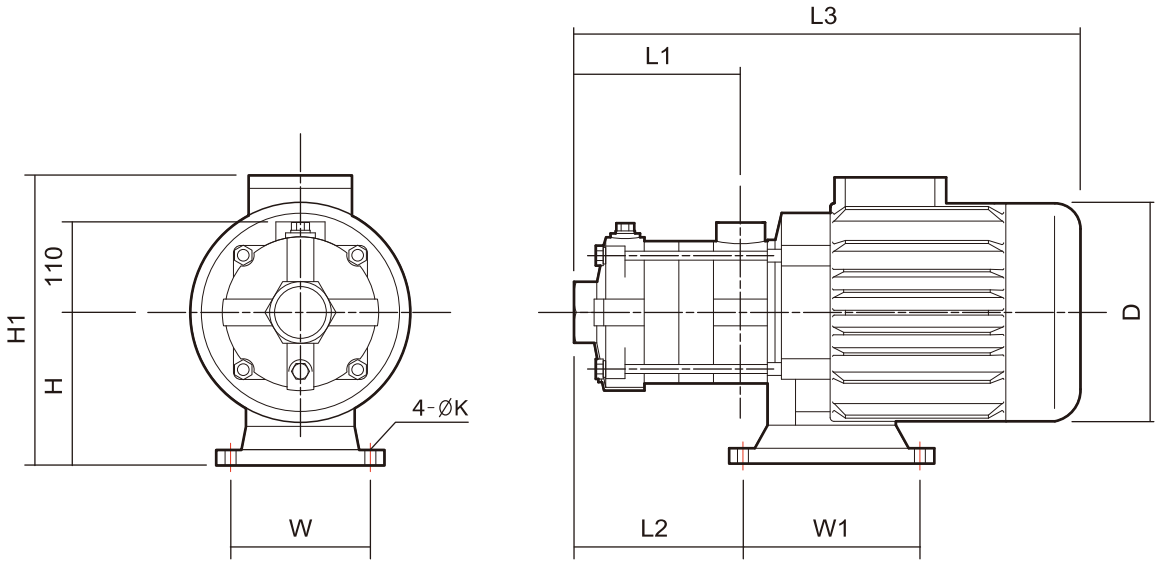
Performance Curve







Outline Drawing

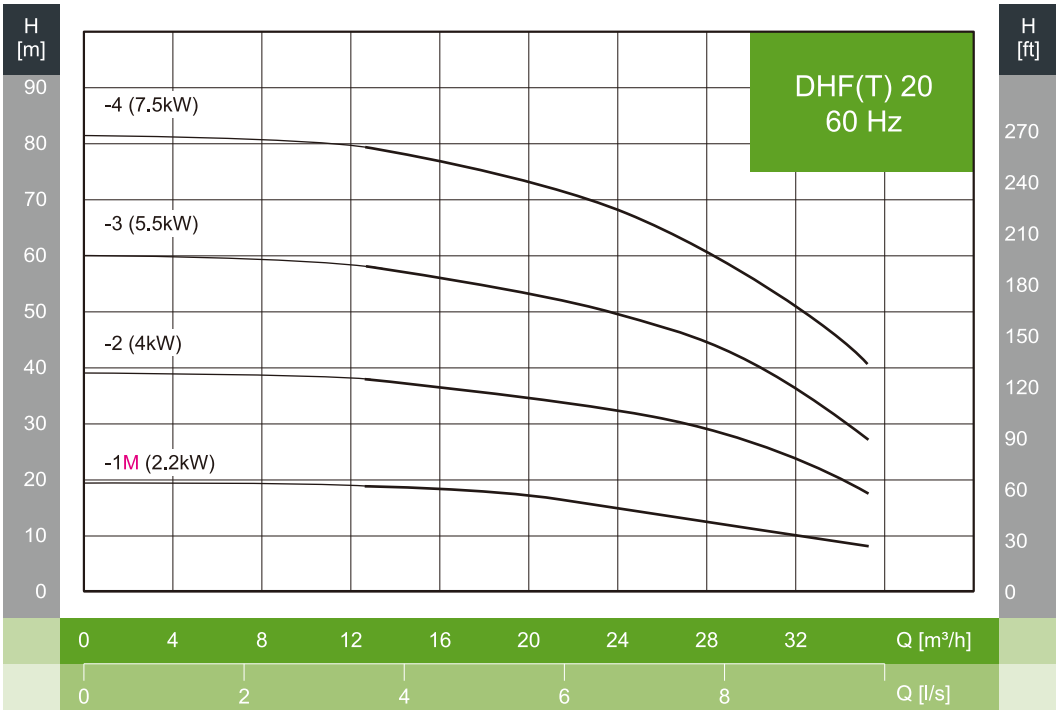


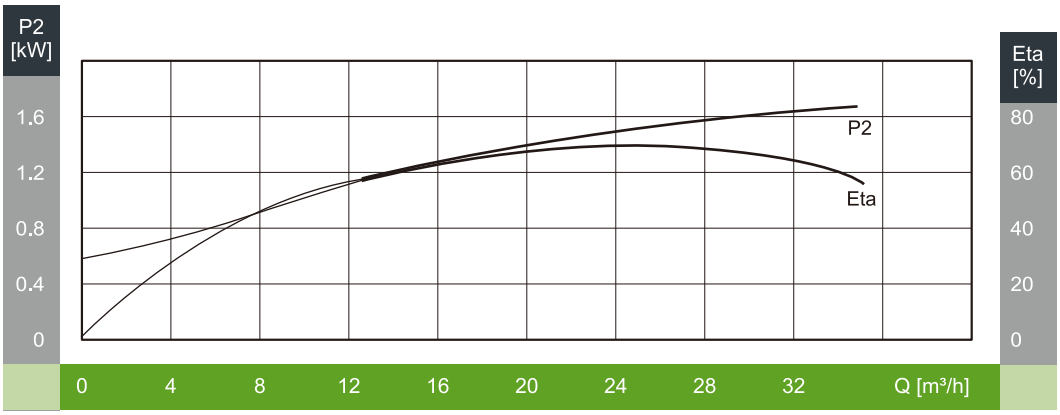
Dimension / Weight

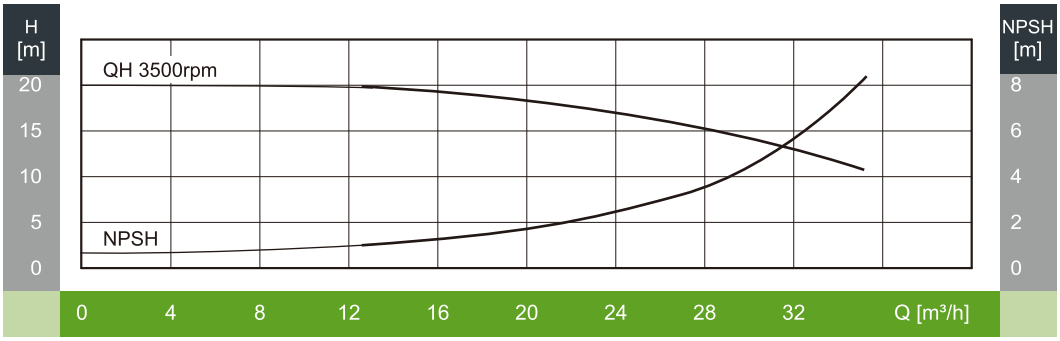
MODEL	DIAMETER		POWER		SIZE (mm)									WEIGHT (kg)
	INLET	OUTLET	kW	HP	L1	L2	L3	W	W1	H	H1	D	K	
DHF(T)15-1M	50A	50A	1.5	2	81	105	395	108	138	118	255	171	9	28
DHF(T)15-2	50A	50A	3	4	126	150	496	108	138	130	280	196	9	39
DHF(T)15-3	50A	50A	4	5.5	171	195	547	190	140	120	288	214	12	46
DHF(T)15-4	50A	50A	5.5	7.5	216	240	643	216	140	132	322	257	12	66
DHF(T)15-5	50A	50A	7.5	10	261	285	688	216	140	132	322	257	12	69

Notice | "M" is omitted from the model name, For the 3phase 220V/380V power input.

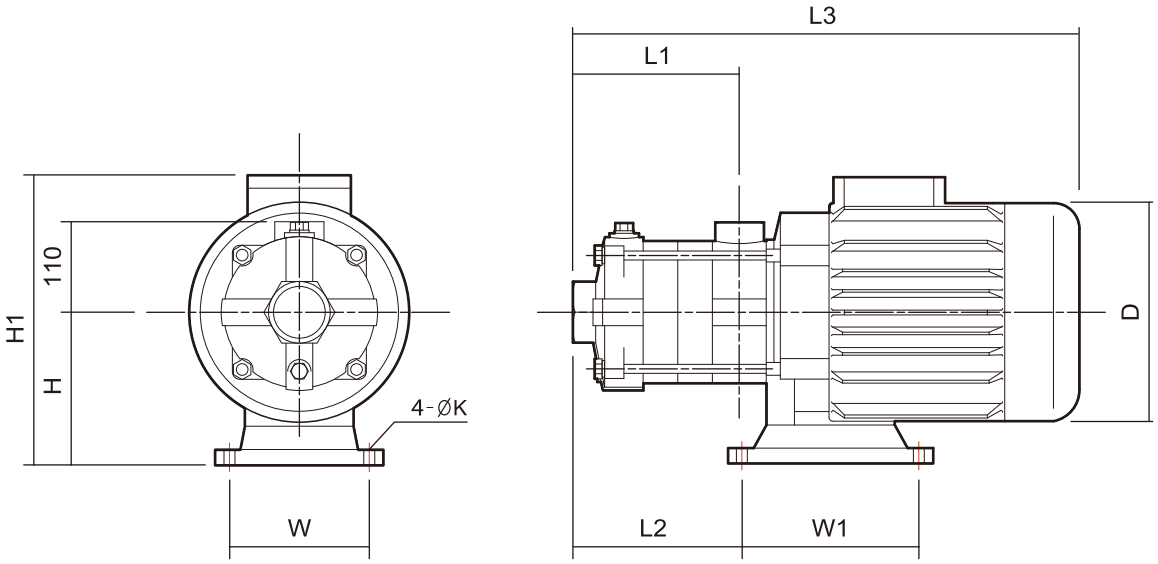
Performance Curve







Outline Drawing



Dimension / Weight

MODEL	DIAMETER		POWER		SIZE (mm)									WEIGHT (kg)
	INLET	OUTLET	kW	HP	L1	L2	L3	W	W1	H	H1	D	K	
DHF(T)20-1M	50A	50A	2.2	3	81	105	395	108	138	118	255	171	9	31
DHF(T)20-2	50A	50A	4	5.5	126	150	502	190	140	120	288	214	12	46
DHF(T)20-3	50A	50A	5.5	7.5	171	195	598	216	140	132	322	257	12	65
DHF(T)20-4	50A	50A	7.5	10	216	240	643	216	140	132	322	257	12	68

Notice | "M" is omitted from the model name, For the 3phase 220V/380V power input.