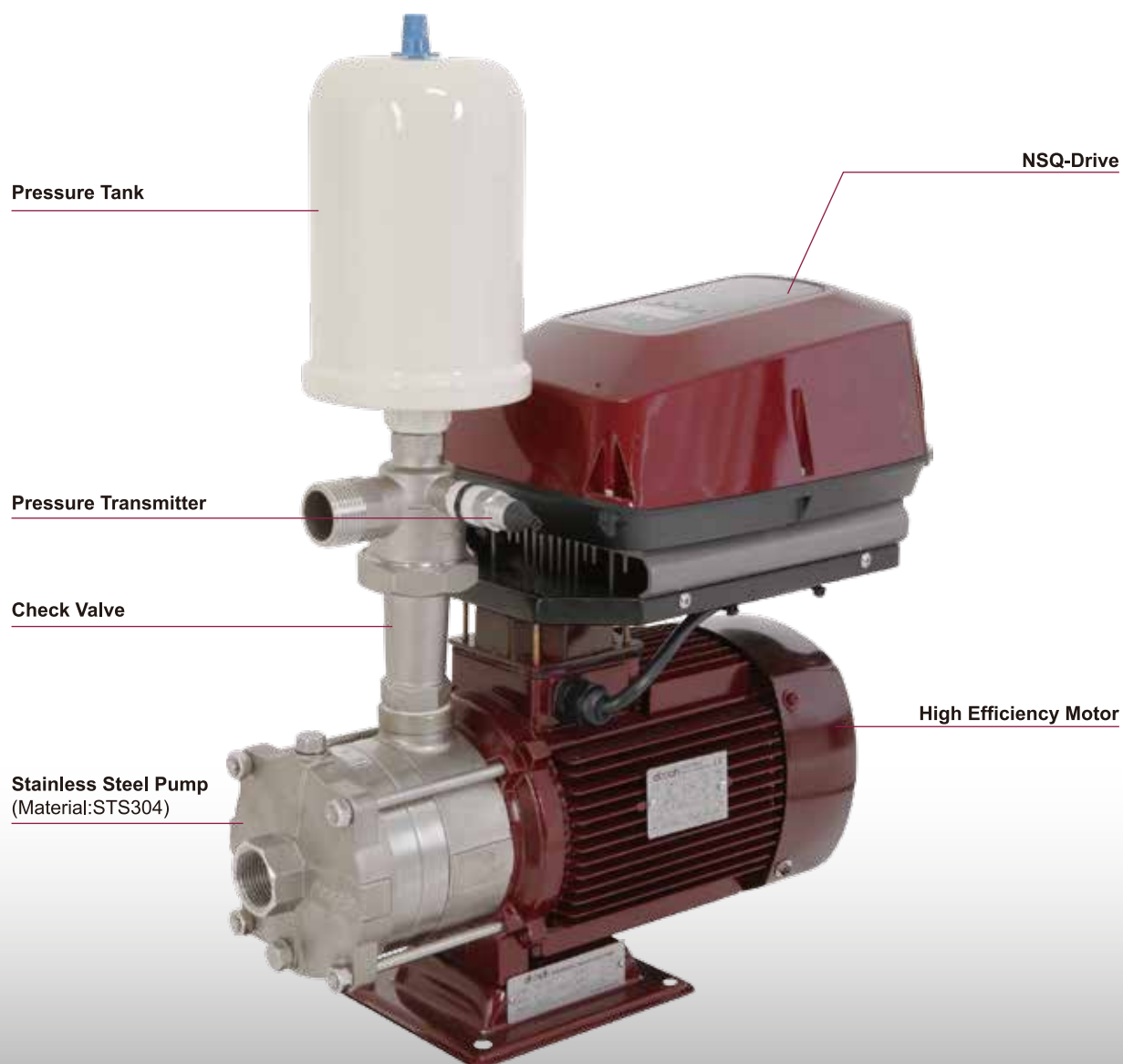
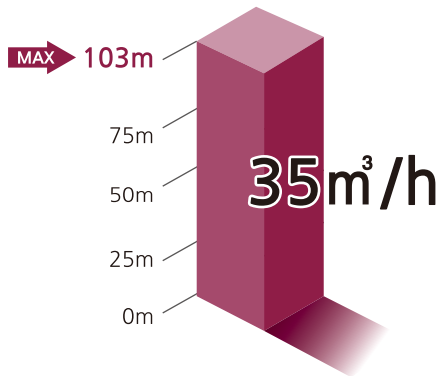


NSQ-DHF(T) Series



Specification

- Max. Flow(Q) : 35m³/h
- Max. Head(H) : 103m³/h
- Motor Power : 0.55~7.5kW (0.75~10HP)
- Input Power : 3PH 380V~440V / 60Hz (0.75~10HP)



NSQ-DHF(T) Series

NSQ-DHF(T) series is built on the basis of DHF pumps. The main difference between the DHF and the NSQ-DHF(T) series is the variable frequency drive. Enhanced with the NSQ-Drive, NSQ-DHF(T) series with the appropriate sensor is turned into an intelligent, variable speed pumping system. The NSQ-Drives adjust the motor speed which in turn provides constant pressure or differential pressure to the flow rate.

※ Inlet/Outlet casing material

"T" indicates : GCD450

Without "T" indicates : Stainless steel

Functions

- Control Mode - Pressure/ differential pressure
- Set the setting pressure
- Dry-running and freeze protection
- Automatic flowless sensor
- Automatic recovery after power failure Inverter
- Pump protection
- FND - Status monitoring

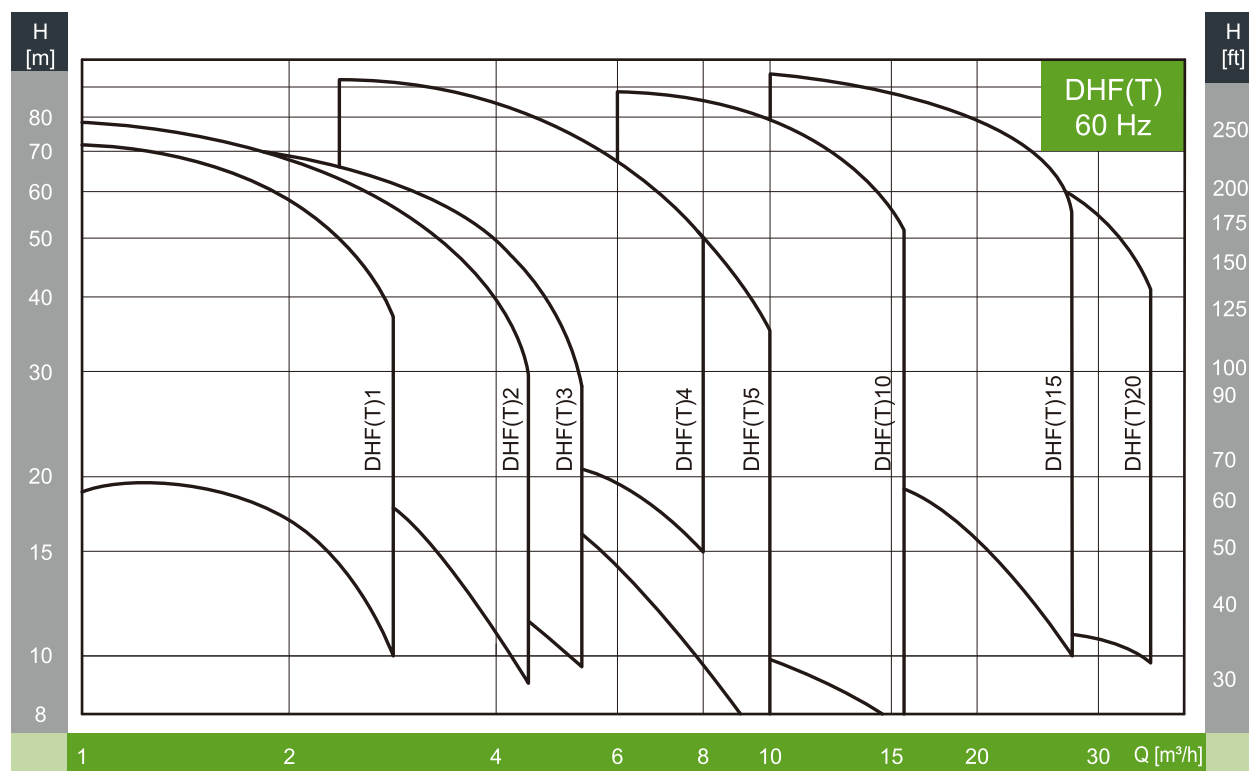
Features

- Each pump is individually controlled by a NSQ drive
- High reliability (Multi-master control)
- Constant discharge pressure
- Less wear of the system during operation
- Compact assembly and installation

Applications

- Pressure boosting systems
- Domestic water supply systems
- Cooling systems
- Air-conditioning systems
- Small industrial water supply systems
- Horticultural irrigation systems

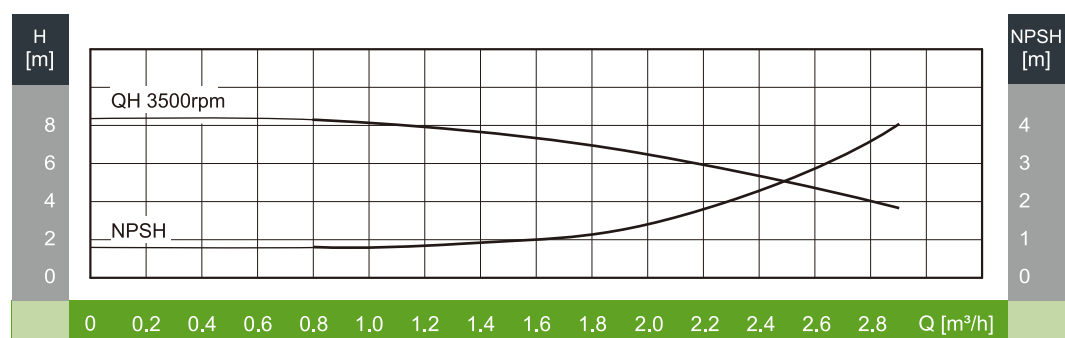
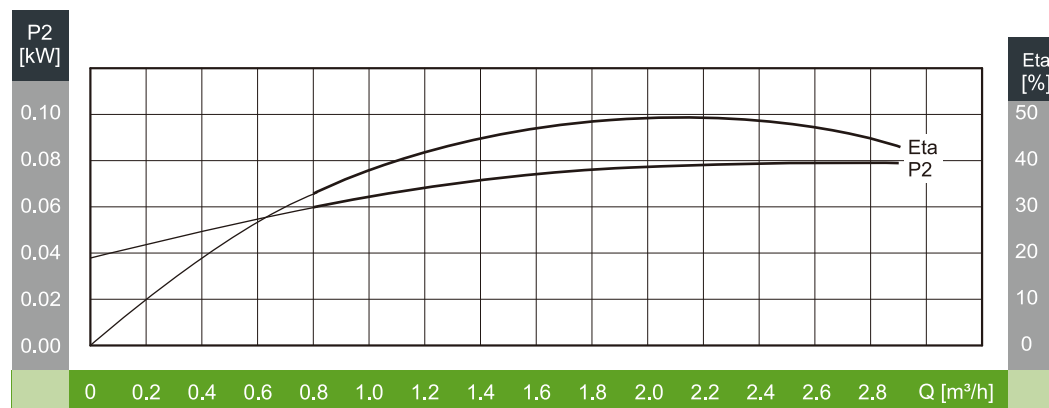
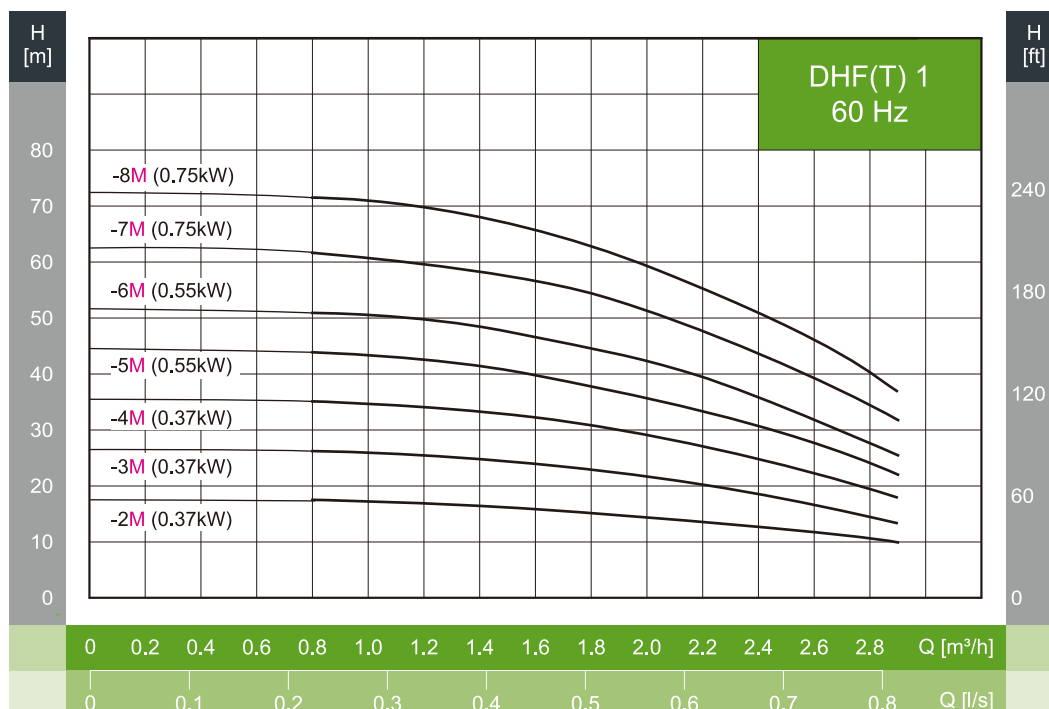
Performance Range (60Hz)



Specification

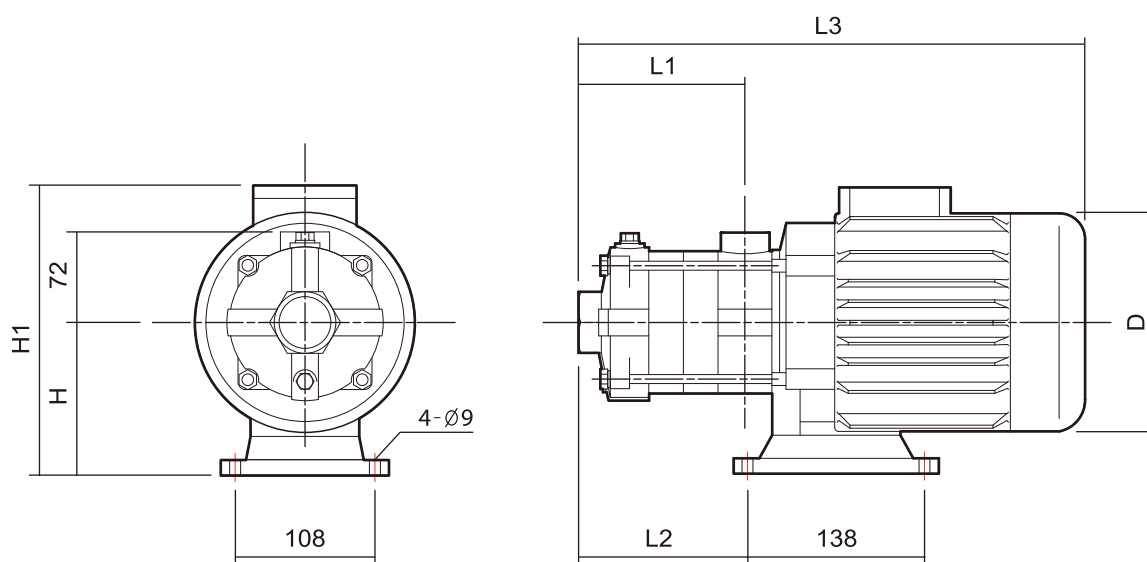
Description	DHF(T)1	DHF(T)2	DHF(T)3	DHF(T)4	DHF(T)5	DHF(T)10	DHF(T)15	DHF(T)20
Rated Flow [m³/h]	1	2	3	4	5	10	15	20
Flow Range [m³/h]	0.8-2.9	1-4.5	1.4-5.4	2.5-8	3-10.3	6-15.8	10.2-28.6	12.5-35
Max. operation pressure [bar]	10							
Motor Power [kW]	0.37-0.75	0.55-1.1	0.37-1.1	0.75-2.2	0.55-2.2	0.75-4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

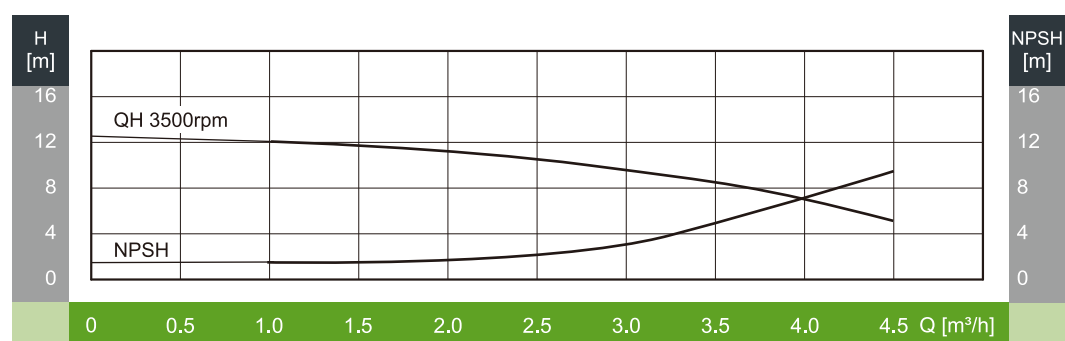
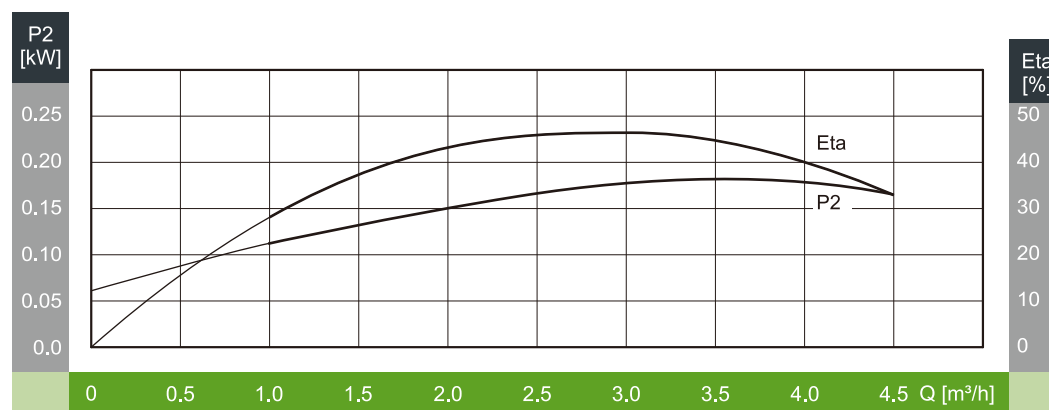
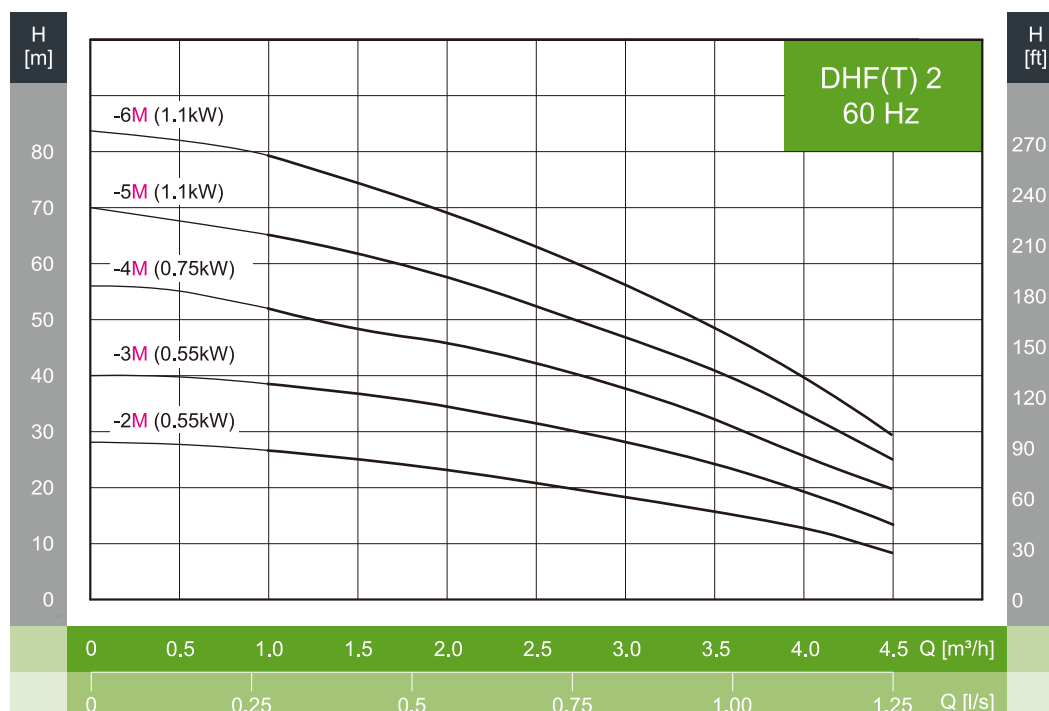


Dimension / Weight

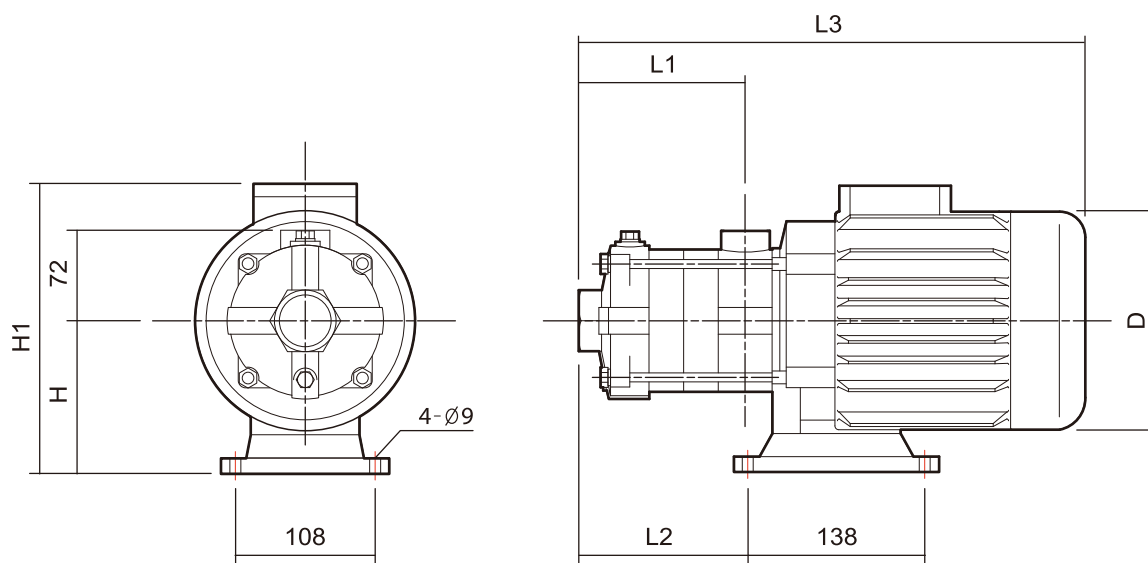
MODEL	DIAMETER		POWER		SIZE (mm)						WEIGHT (kg)
	INLET	OUTLET	kW	HP	L1	L2	L3	H	H1	D	
DHF(T)1-2M	25A	25A	0.37	0.5	85.5	88.5	313	110	229	140	16
DHF(T)1-3M	25A	25A	0.37	0.5	103.5	106.5	331	110	229	140	16
DHF(T)1-4M	25A	25A	0.37	0.5	121.5	124.5	349	110	229	140	16
DHF(T)1-5M	25A	25A	0.55	0.75	139.5	142.5	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



Outline Drawing

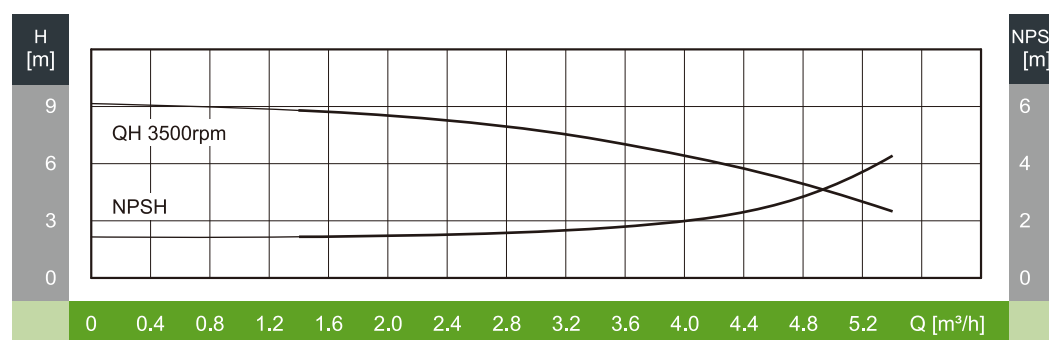
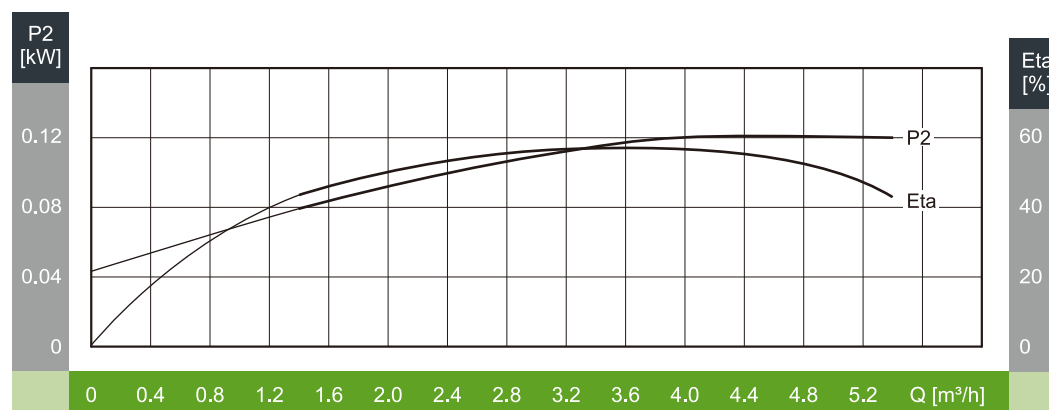
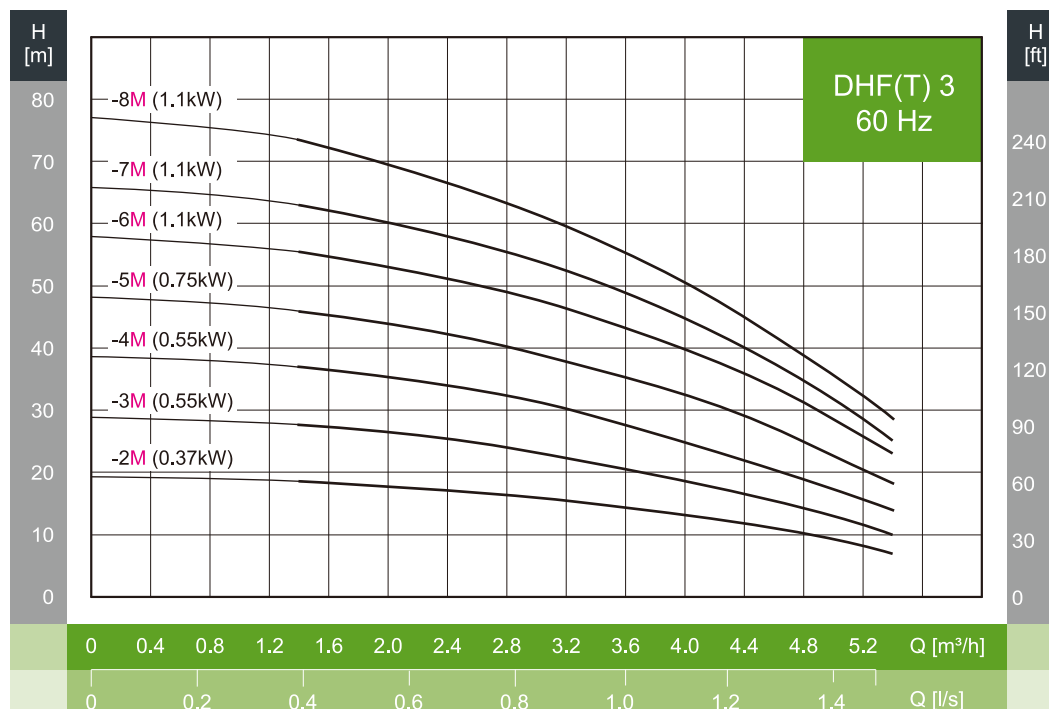


Dimension / Weight

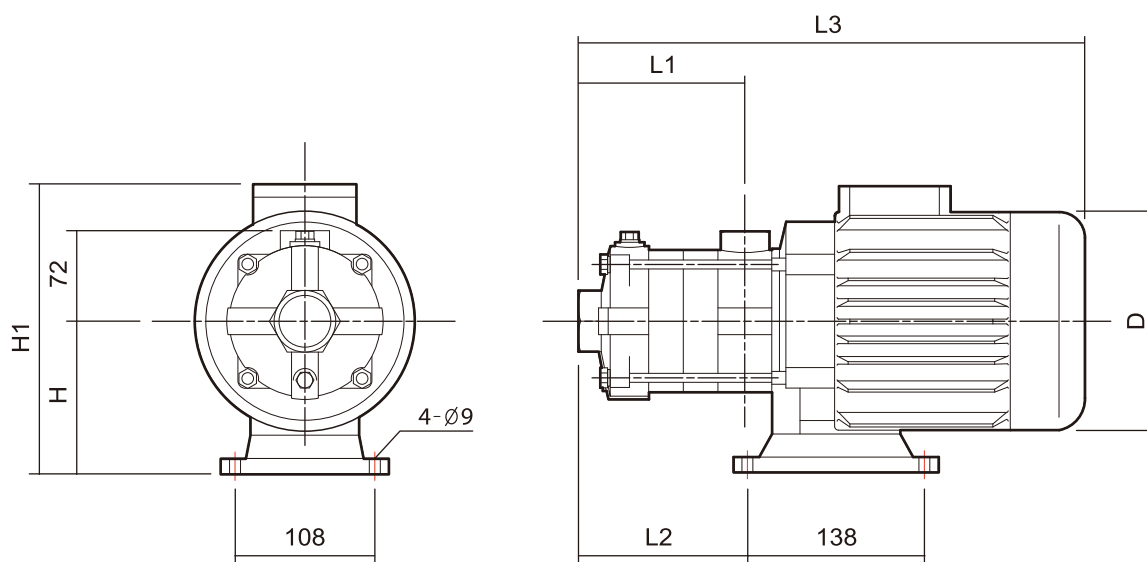
MODEL	DIAMETER		POWER		SIZE (mm)						WEIGHT (kg)
	INLET	OUTLET	kW	HP	L1	L2	L3	H	H1	D	
DHF(T)2-2M	25A	25A	0.55	0.75	85.5	88.5	313	110	229	140	17
DHF(T)2-3M	25A	25A	0.55	0.75	103.5	106.5	331	110	229	140	17
DHF(T)2-4M	25A	25A	0.75	1	121.5	124.5	373	110	236	150	18
DHF(T)2-5M	25A	25A	1.1	1.5	139.5	142.5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



Outline Drawing

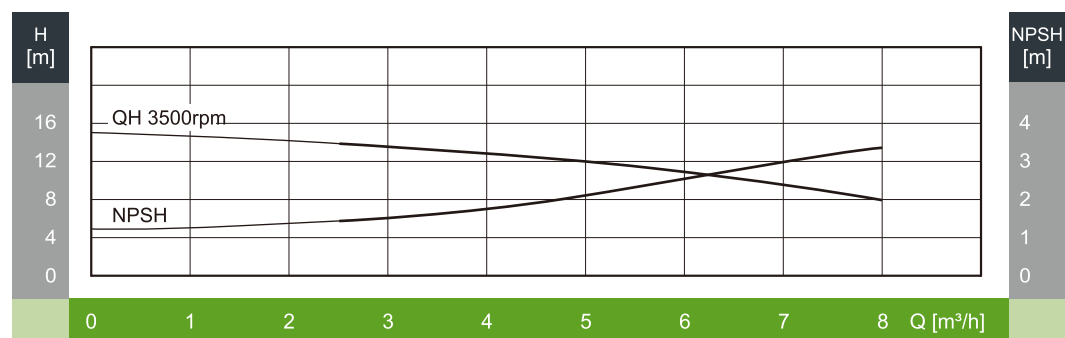
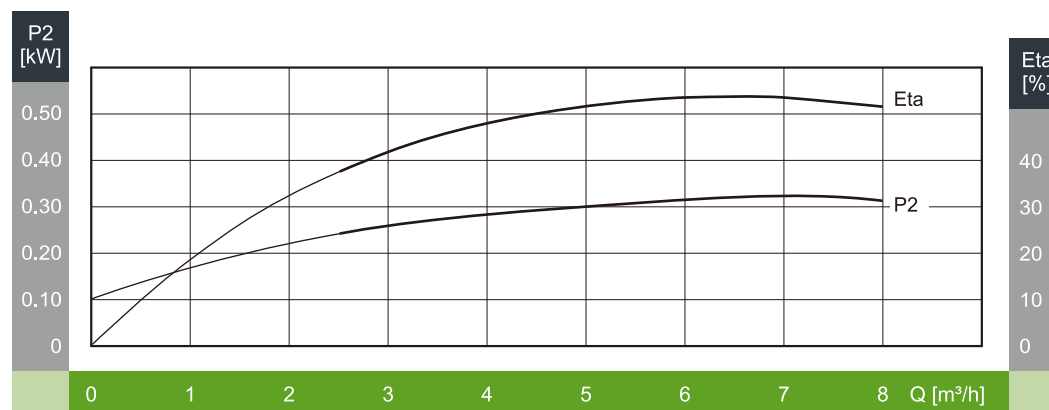
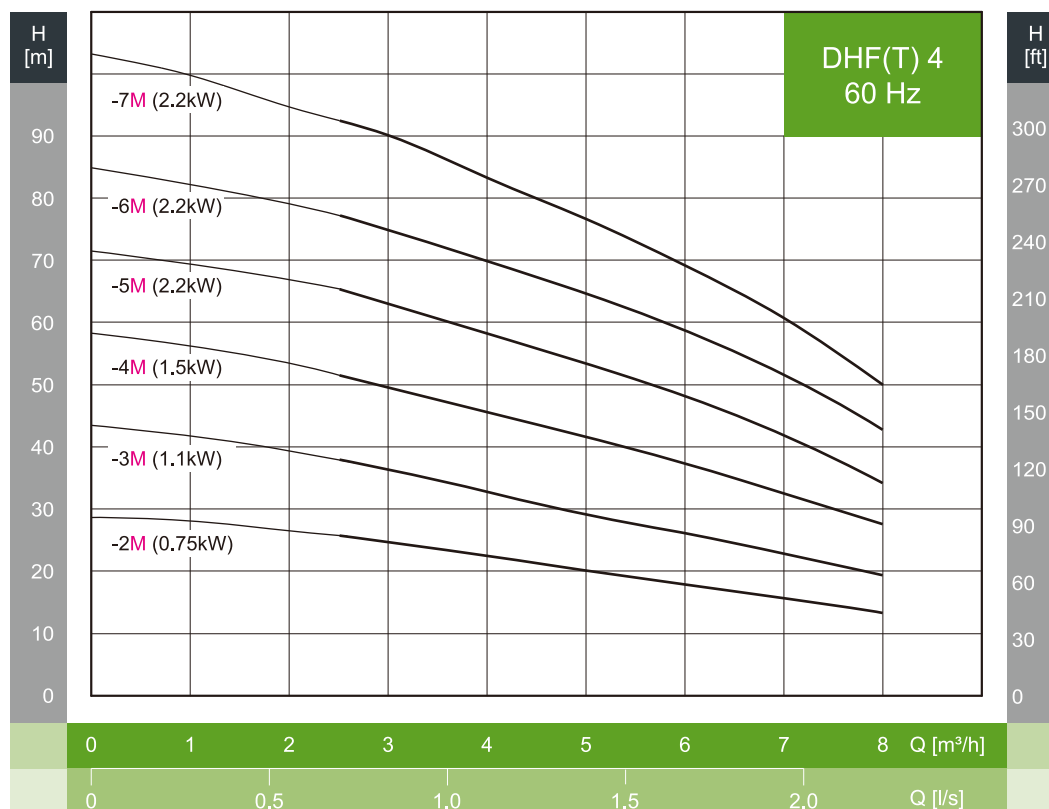


Dimension / Weight

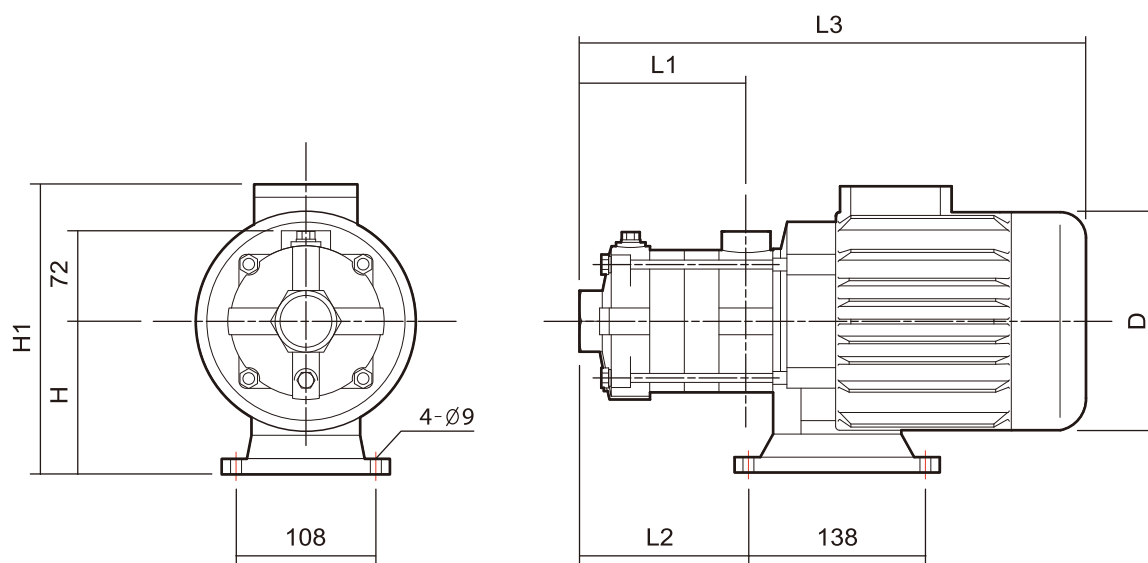
MODEL	DIAMETER		POWER		SIZE (mm)						WEIGHT (kg)
	INLET	OUTLET	kW	HP	L1	L2	L3	H	H1	D	
DHF(T)3-2M	25A	25A	0.37	0.5	85.5	88.5	313	110	229	140	16
DHF(T)3-3M	25A	25A	0.55	0.75	103.5	106.5	331	110	229	140	17
DHF(T)3-4M	25A	25A	0.55	0.75	121.5	124.5	349	110	229	140	17
DHF(T)3-5M	25A	25A	0.75	1	139.5	142.5	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



Outline Drawing

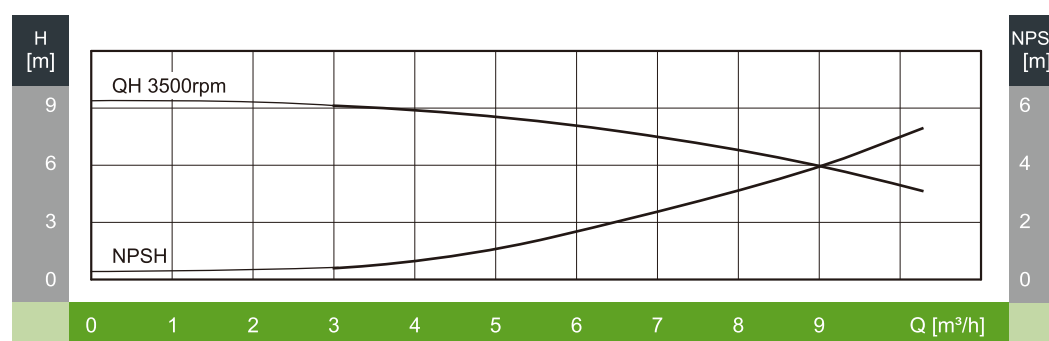
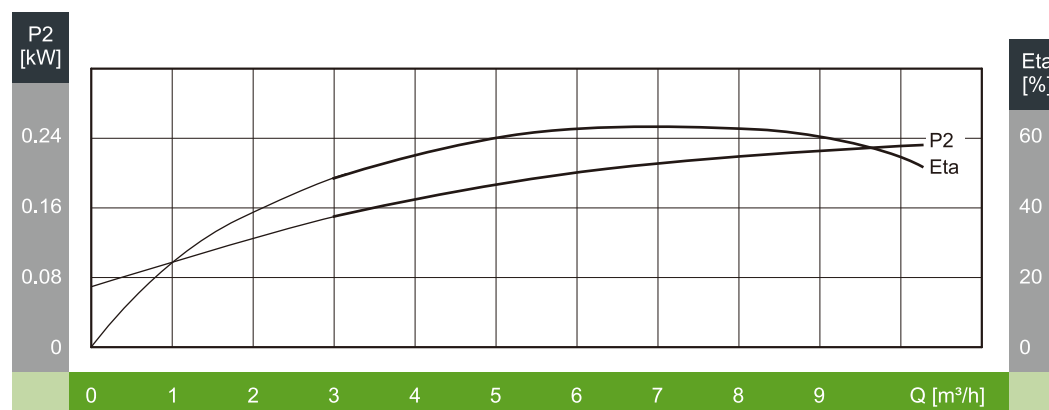
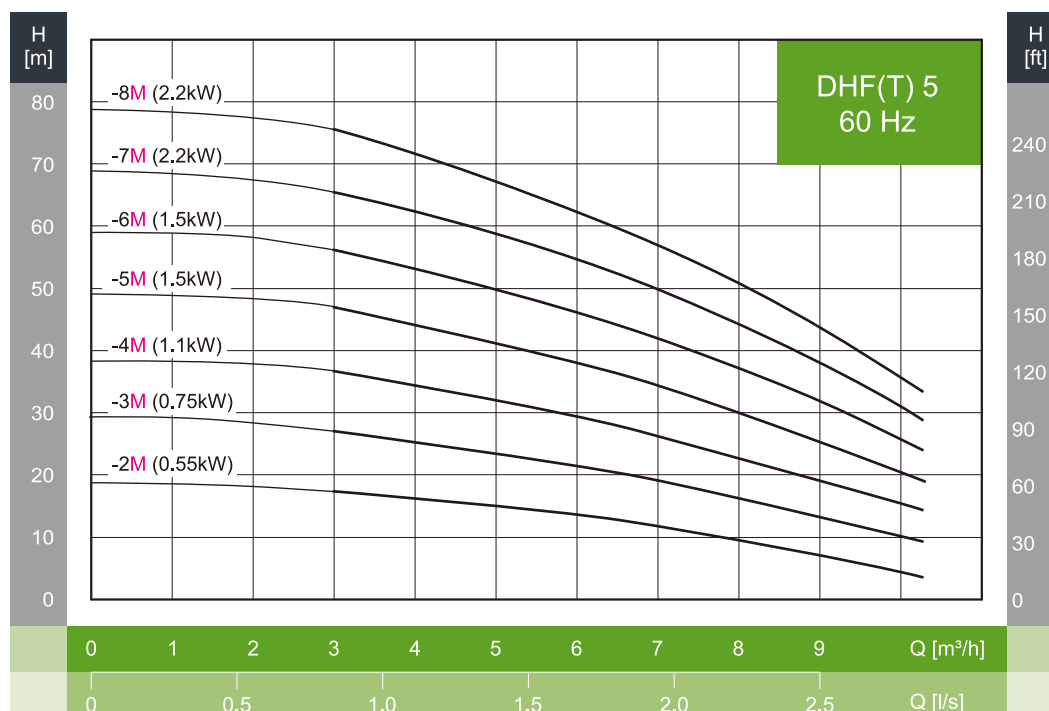


Dimension / Weight

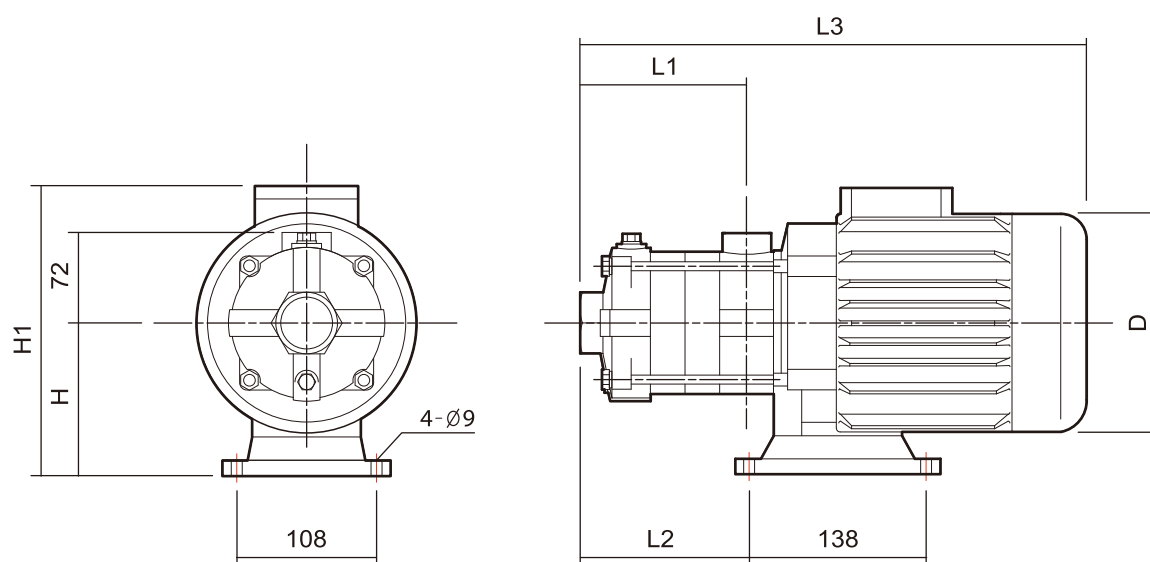
MODEL	DIAMETER		POWER		SIZE (mm)						WEIGHT (kg)
	INLET	OUTLET	kW	HP	L1	L2	L3	H	H1	D	
DHF(T)4-2M	32A	25A	0.75	1	103	106	355	110	236	150	18
DHF(T)4-3M	32A	25A	1.1	1.5	130	133	382	110	236	150	19
DHF(T)4-4M	32A	25A	1.5	2	157	160	446	118	255	171	25
DHF(T)4-5M	32A	25A	2.2	3	184	187	473	118	255	171	28
DHF(T)4-6M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



Outline Drawing

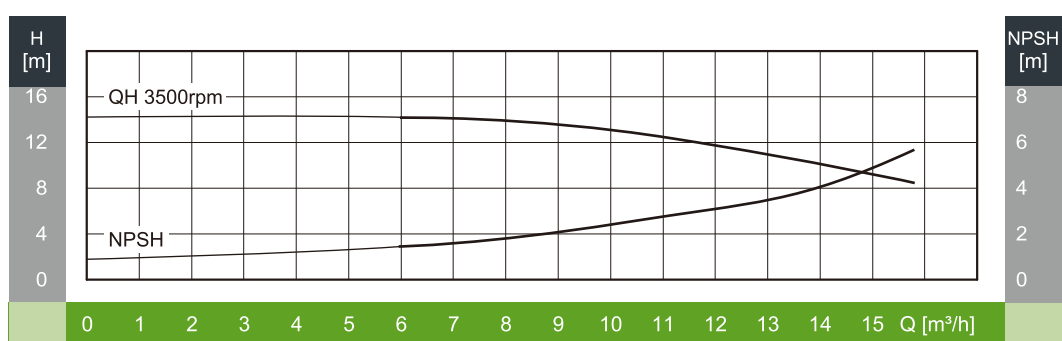
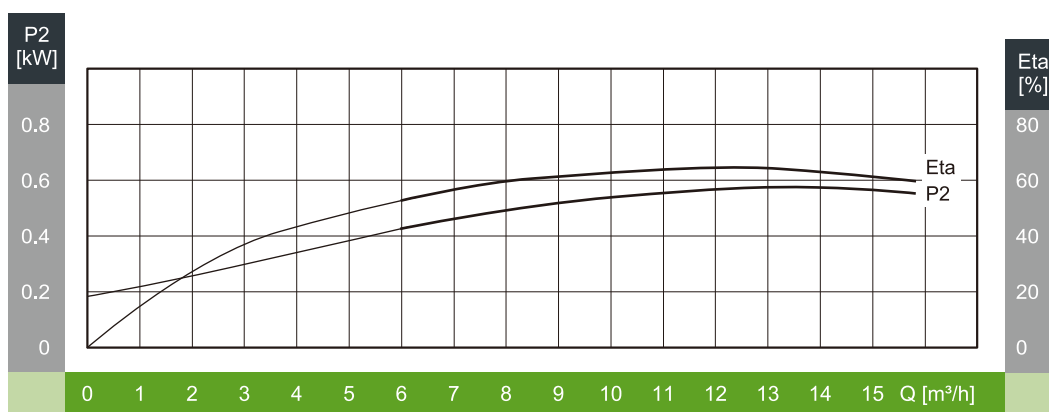
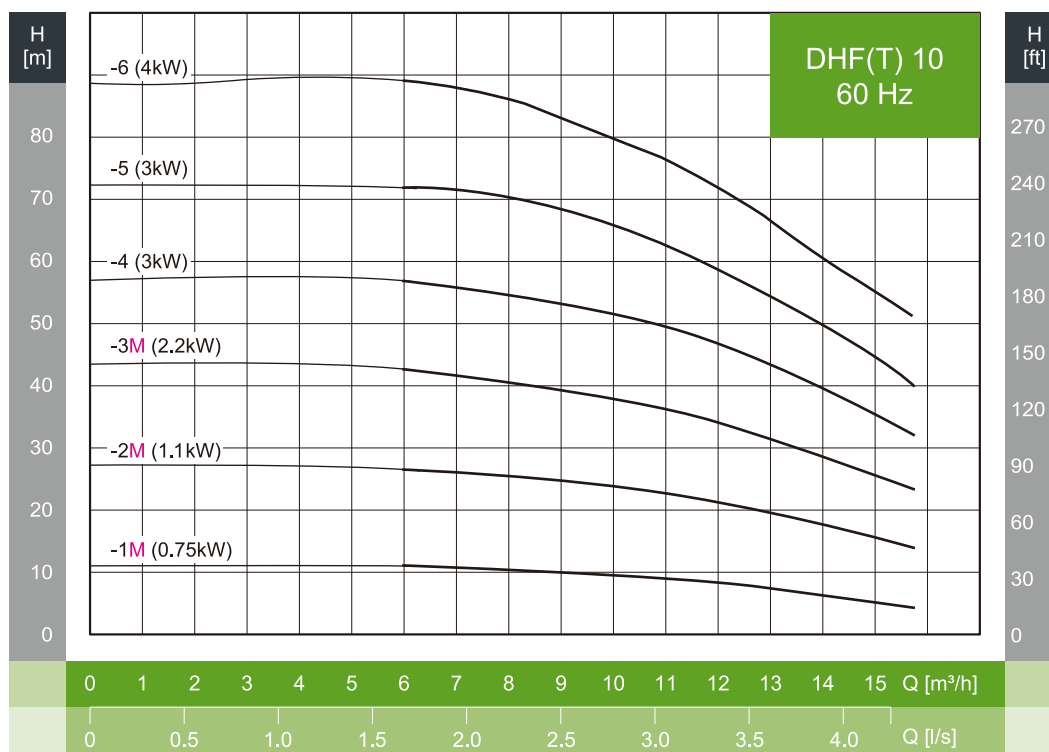


Dimension / Weight

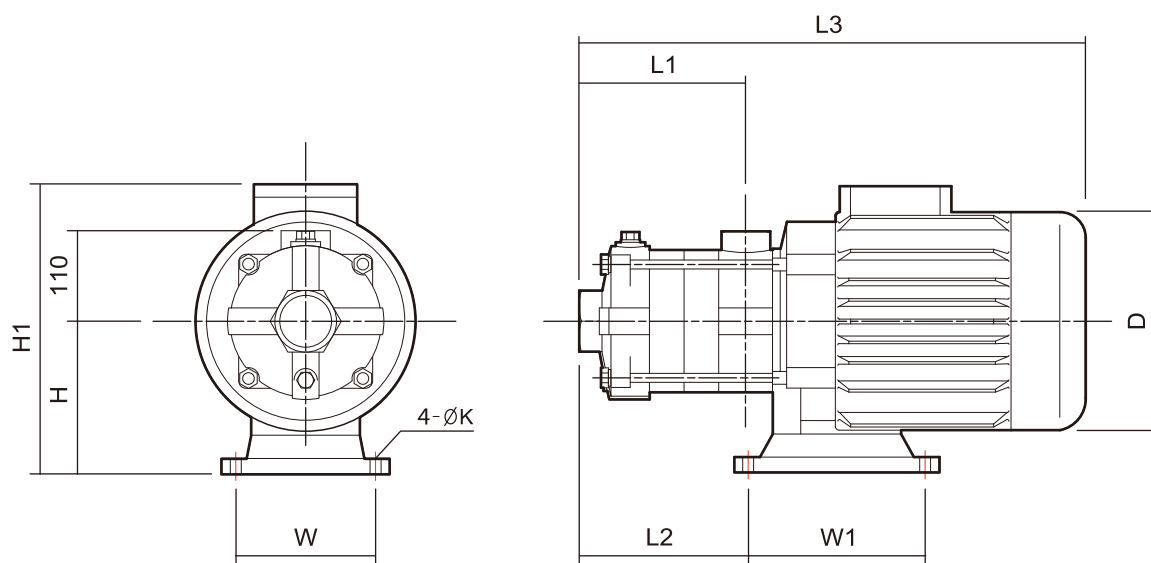
MODEL	DIAMETER		POWER		SIZE (mm)						WEIGHT (kg)
	INLET	OUTLET	kW	HP	L1	L2	L3	H	H1	D	
DHF(T)5-2M	32A	25A	0.55	0.75	103	106	330	110	229	140	17
DHF(T)5-3M	32A	25A	0.75	1	130	133	391	110	236	150	19
DHF(T)5-4M	32A	25A	1.1	1.5	157	160	409	110	236	150	20
DHF(T)5-5M	32A	25A	1.5	2	184	187	473	118	255	171	25
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

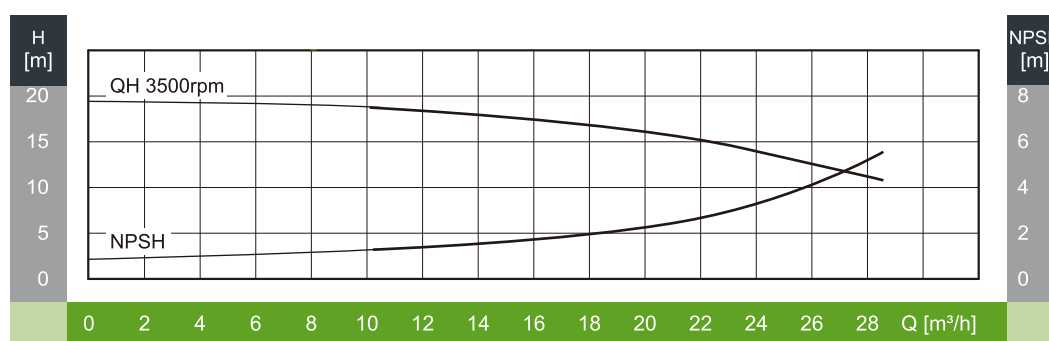
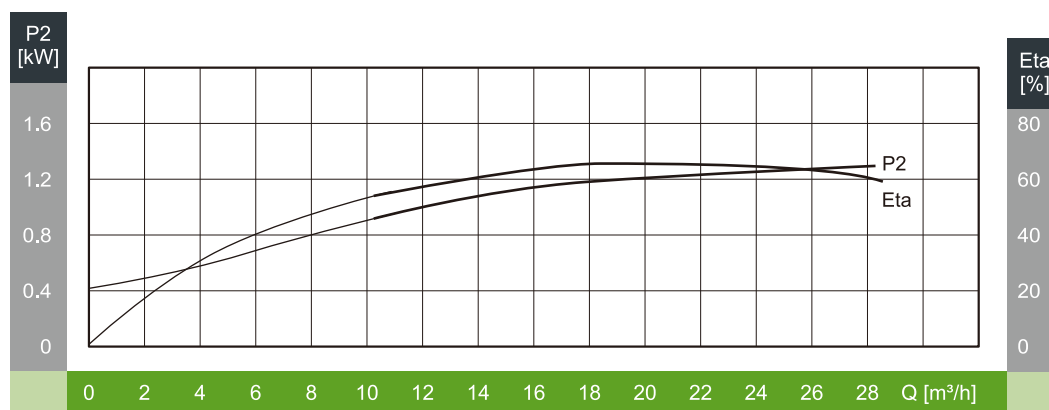
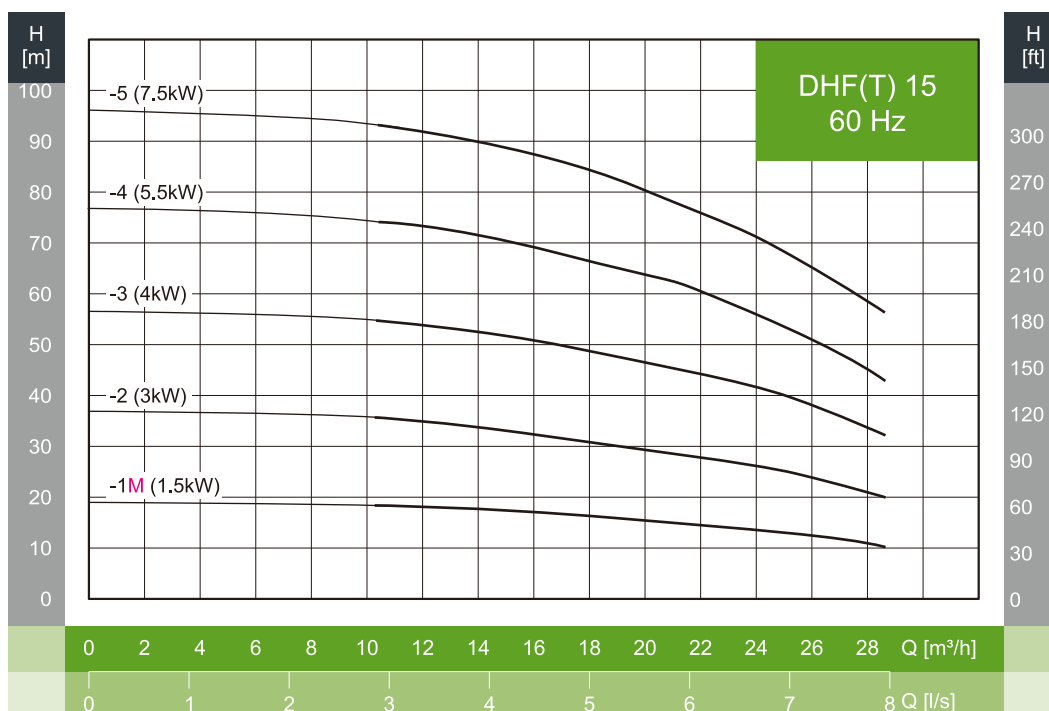


Dimension / Weight

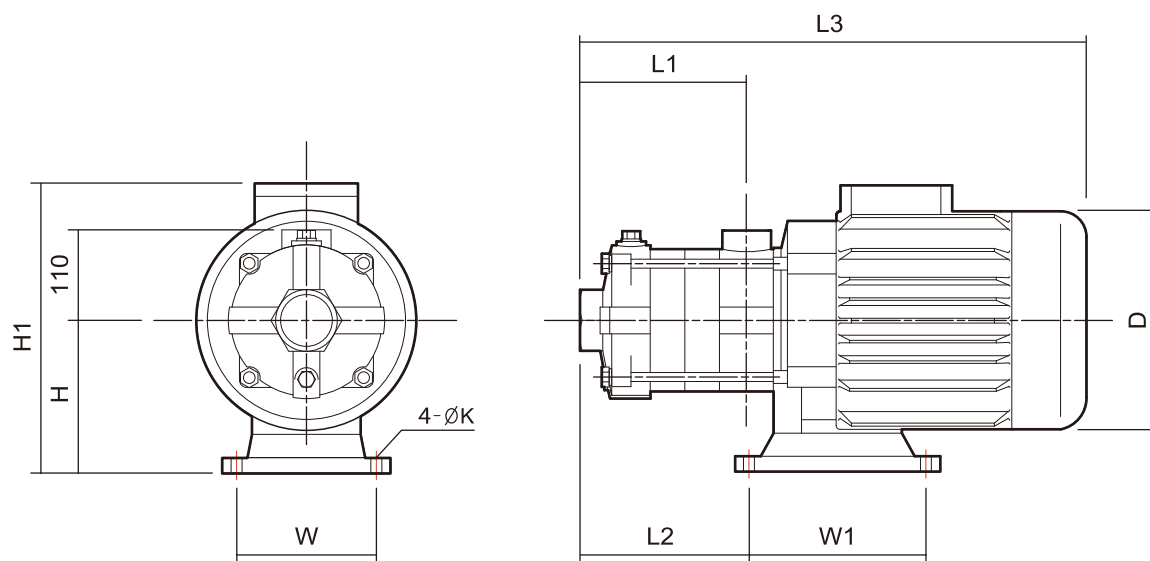
MODEL	DIAMETER		POWER		SIZE (mm)									WEIGHT (kg)
	INLET	OUTLET	kW	HP	L1	L2	L3	W	W1	H	H1	D	K	
DHF(T)10-1M	40A	32A	0.75	1	76	94	344	108	138	117	242	151	9	21
DHF(T)10-2M	40A	32A	1.1	1.5	106	124	414	108	138	118	255	171	9	24
DHF(T)10-3M	40A	32A	2.2	3	136	154	444	108	138	118	255	171	9	30
DHF(T)10-4	40A	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

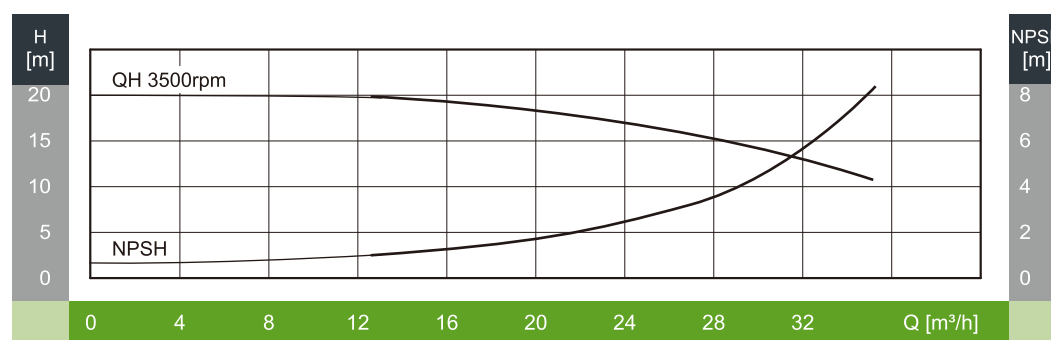
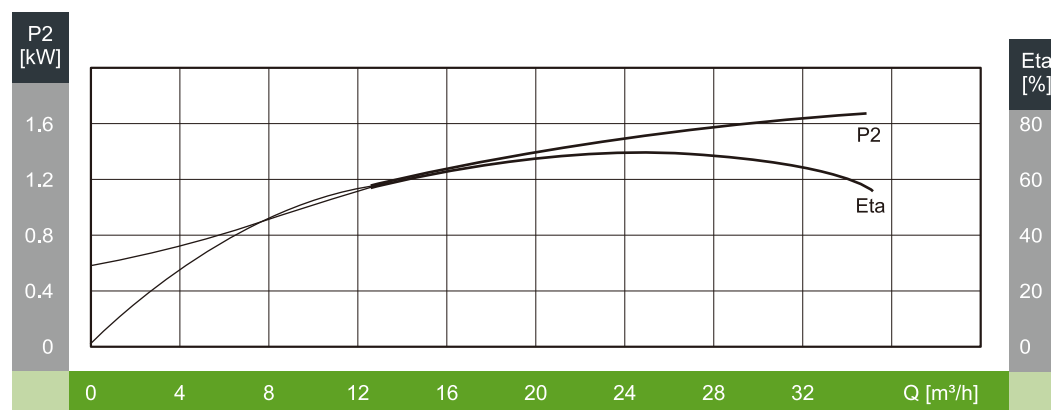
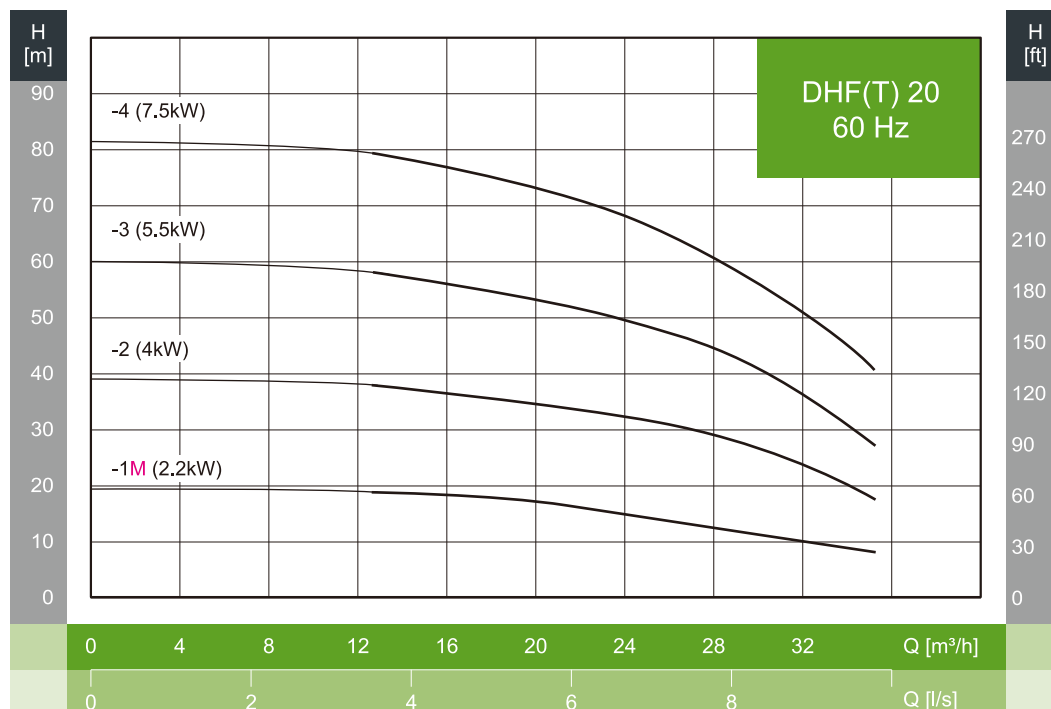


Dimension / Weight

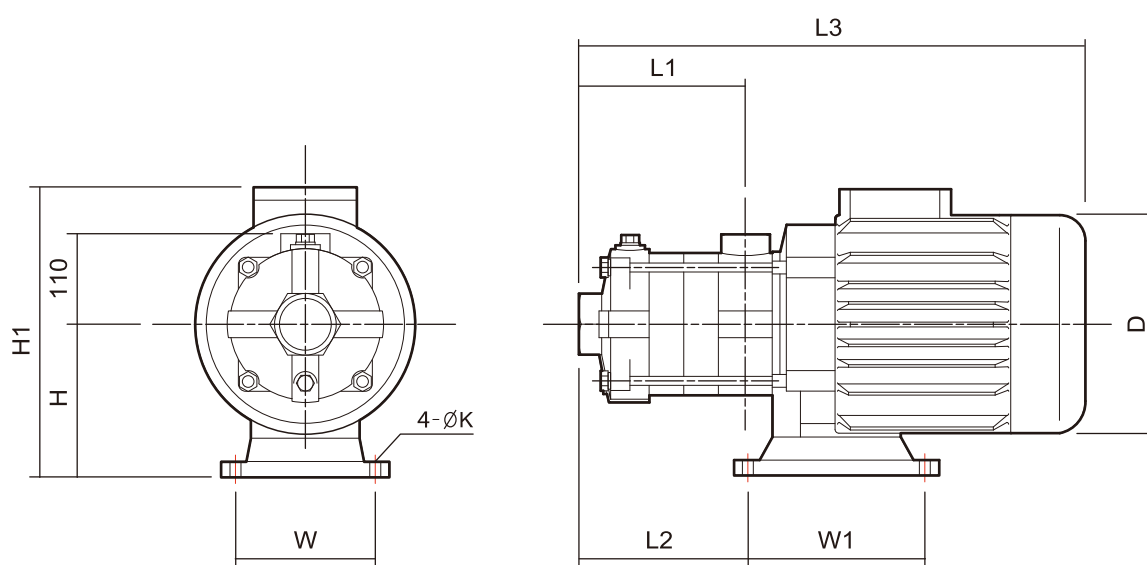
MODEL	DIAMETER		POWER		SIZE (mm)									WEIGHT (kg)
	INLET	OUTLET	kW	HP	L1	L2	L3	W	W1	H	H1	D	K	
DHF(T)15-1 ^M	50A	50A	1.5	2	81	105	395	108	138	118	255	171	9	28
DHF(T)15-2	50A	50A	3	4	126	150	496	108	138	130	280	196	9	39
DHF(T)15-3	50A	50A	4	5.5	171	195	547	190	140	120	288	214	12	46
DHF(T)15-4	50A	50A	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.