

SH

Bomba Sumergible de Drenaje cuyo cuerpo del motor esta hecho de una fundición de hierro rígida para una mayor durabilidad. El impulsor semi-abierto hecho de acero de alto cromo, con anillos de desgaste reemplazables también en acero de alto cromo, ofrece una mayor resistencia cuando el fluido posee partículas abrasivas. Por otro lado, hay una parte hidráulica debajo del motor y este es enfriado por el agua bombeada para una operación segura, incluso cuando la bomba está parcialmente sumergida. El diseño del plato superior maximiza el espacio.

Otra de sus características es el aumento de su máxima sumergencia debido a un sello mecánico resistente a altas presiones, y el uso de un motor de inducción sumergible tipo seco (2 polos), herméticamente sellado. Asimismo, la descarga superior permite que opere a bajos niveles de agua durante largos periodos.

Las bombas SH, incluyen rodamientos de bola NSK C3, protector térmico para sobrecargas y doble sello mecánico con caras en carburo de silicio, tanto superior con inferior, que trabaja en una cámara llena de aceite protegida en con un sello de labio y una camisa del eje en acero inoxidable 304.



Especificaciones

- Caudal: hasta 390 m³/h
- Altura total: hasta 120 m
- Potencia: 30 a 100 HP
22 a 75 kW
- Alimentación: trifásico 460 V ±10%,
60Hz
- Aislación: clase F
- Protección: IP68
- Cable: largo 20 m
- Temperatura del agua: hasta 40°C
- Sumergencia máxima: 30 m

Aplicaciones

- Minas, canteras, lodos.
- Plantas de tratamiento de aguas residuales.
- Obras civiles y trabajos de construcción.
- Trabajos de bombeo en general.

Ejecuciones especiales

- Otros voltajes.
- La longitud del cable es opcional.

Curvas de Comportamiento

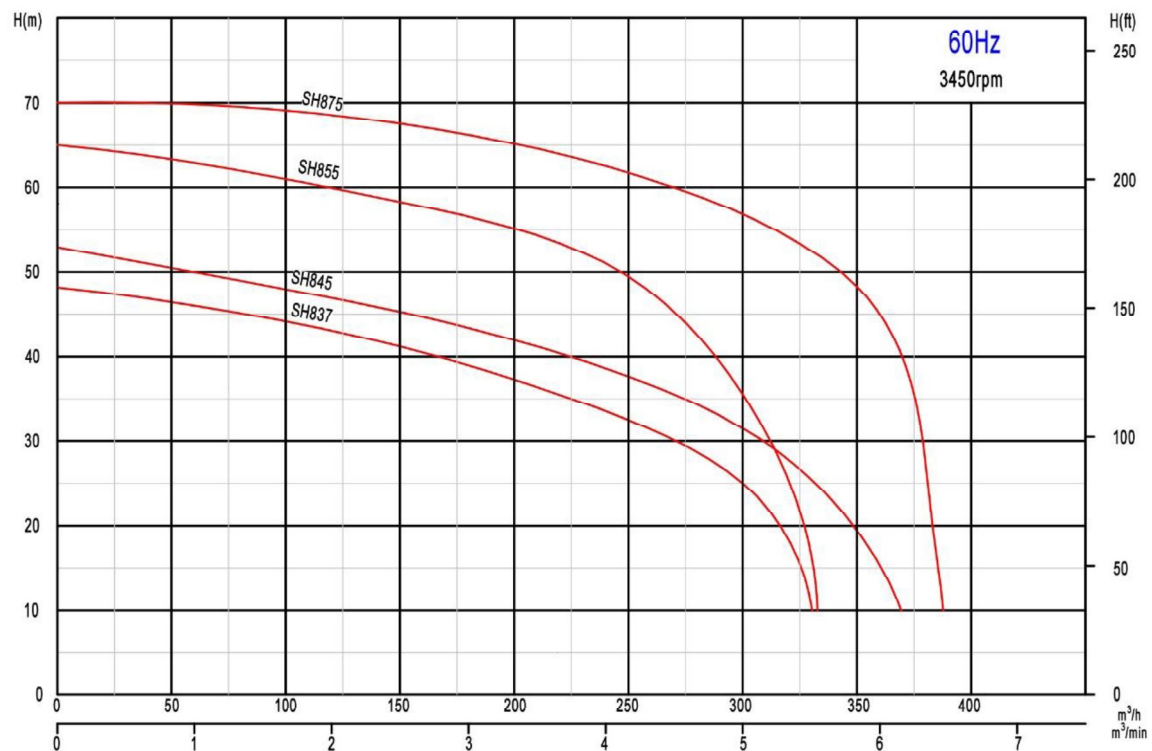
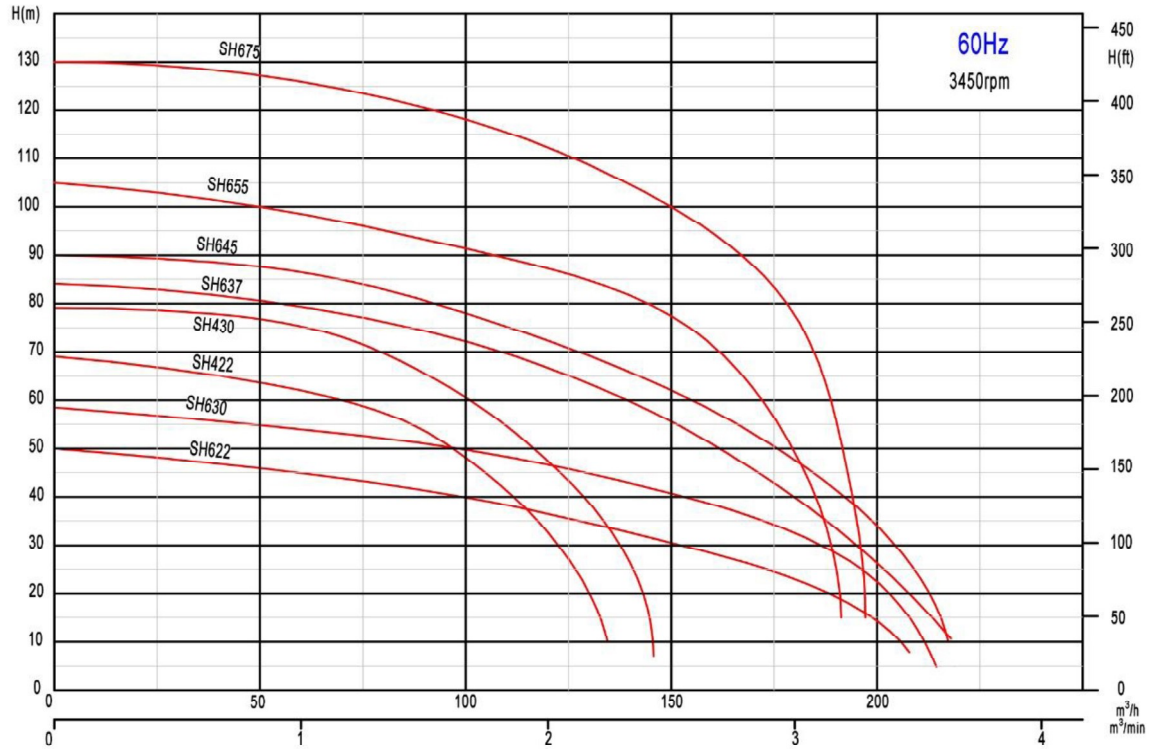


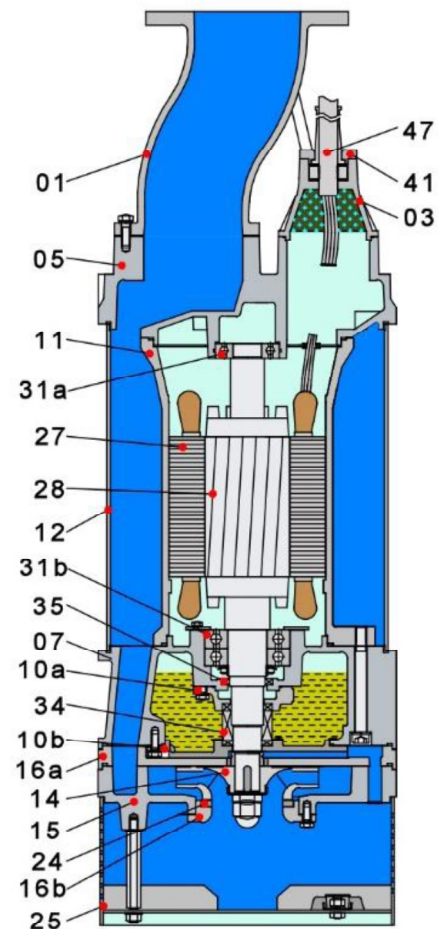
Tabla de Comportamiento

Modelo (60Hz)	Salida		Potencia (motor)		Corriente Nominal 460V	Caudal Nominal		Cabezal Nominal	Caudal Máximo		Cabezal Máximo	Paso del impulsor
	mm	kW	HP	A	m ³ /h	m ³ /min	m	m ³ /h	m ³ /min	m	mm	
SH422	100	22	30	34.3	66	1.10	60	138	2.30	68	6	
SH430	100	30	40	44.6	72	1.20	75	144	2.40	82	6	
SH622	150	22	30	34.3	120	2.00	40	210	3.50	52	15	
SH630	150	30	40	44.6	140	2.33	48	216	3.60	64	15	
SH637	150	37	50	54.5	60	1.00	80	220	3.67	83	6	
SH645	150	45	60	66.1	84	1.40	80	220	3.67	90	6	
SH837	200	37	50	54.5	216	3.60	35	330	5.50	48	20	
SH845	200	45	60	66.1	270	4.50	35	372	6.20	53	20	
SH655	150	55	75	81.0	90	1.50	95	192	3.20	105	8	
SH675	150	75	100	109.0	90	1.50	120	198	3.30	130	8	
SH855	200	55	75	81.0	240	4.00	50	330	5.50	65	20	
SH875	200	75	100	109.0	270	4.50	60	390	6.50	70	20	

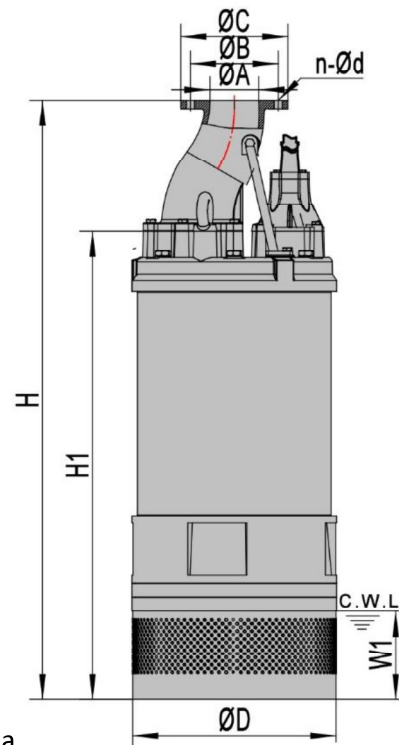
Método de encendido: Estrella-Delta

Componentes

Item	Componente	Material
01	Niplex de descarga	Hierro dúctil
03	Caja de terminales	Fundición de hierro
05	Cubierta superior	Fundición de hierro
07	Caja de rodamientos	Fundición de hierro
10a	Soporte para sello	Fundición de hierro
10b	Soporte para sello	Fundición de hierro
11	Cuerpo del motor	Fundición de hierro
12	Cubierta exterior	Acero
14	Impeler	Aleación de alto contenido de cromo
15	Difusor	Hierro dúctil
16a	Plato de entrada	Hierro dúctil
16b	Plato de entrada	Fundición de hierro
24	Collar	Aleación de alto contenido de cromo
25	Colador	AISI304SS
27	Estator	
28	Rotor	Eje AISI420SS
31a	Rodamiento	Rodamiento de bola
31b	Rodamiento	Rodamiento de bola
34	Sello mecánico	Tc-Sic/Sic-Sic
35	Sello para aceite	
41	Entrada de cables	Fundición de hierro
47	Cable	



Dimensiones

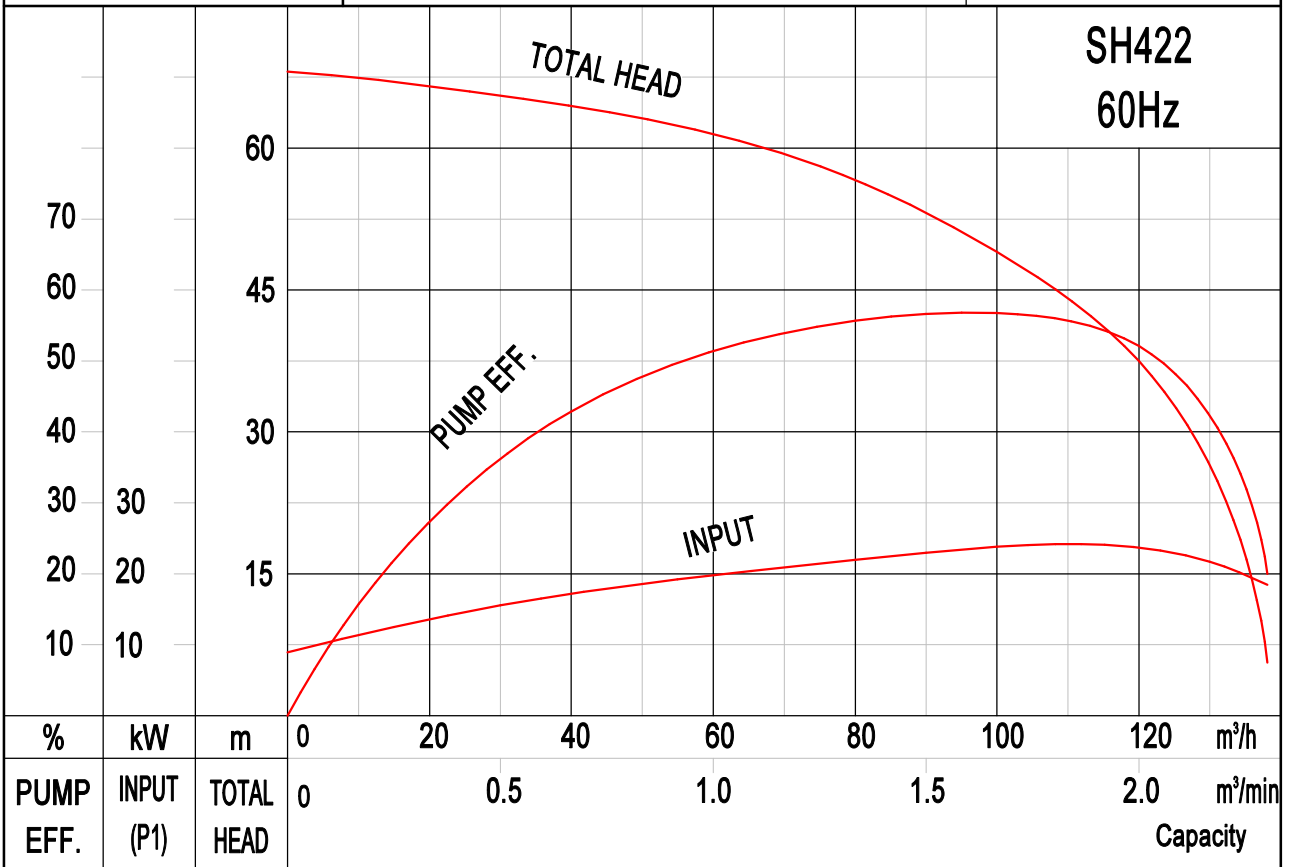


W1: Nivel mínimo de agua

Modelo (60Hz)	A	B	C	n-Ød	D	H	H1	W1	N.W.	G.W.	Dimensiones de embalaje
	mm	mm	mm	mm	mm	mm	mm	mm	Kg	Kg	mm
SH422	100	180	220	8-Ø17.5	420	1374	1072	240	370	410	1490X490X720
SH430	100	180	220	8-Ø17.5	420	1374	1072	240	375	415	1490X490X720
SH622	150	240	285	8-Ø22	420	1434	1082	250	385	425	1560X490X720
SH630	150	240	285	8-Ø22	420	1434	1082	250	390	430	1560X490X720
SH637	150	240	285	8-Ø22	530	1424	1072	180	570	615	1550X600X870
SH645	150	240	285	8-Ø22	530	1424	1072	180	575	620	1550X600X870
SH837	200	295	340	12-Ø22	530	1474	1072	180	575	625	1600X600X870
SH845	200	295	340	12-Ø22	530	1474	1072	180	580	630	1550X600X870
SH655	150	240	285	8-Ø22	550	1630	1280	200	830	880	1760x620x940
SH675	150	240	285	8-Ø22	550	1630	1280	200	830	880	1760x620x940
SH855	200	295	340	12-Ø22	550	1680	1280	200	880	930	1810x620x940
SH875	200	295	340	12-Ø22	550	1680	1280	200	880	930	1810x620x940

PUMP PERFORMANCE CURVES

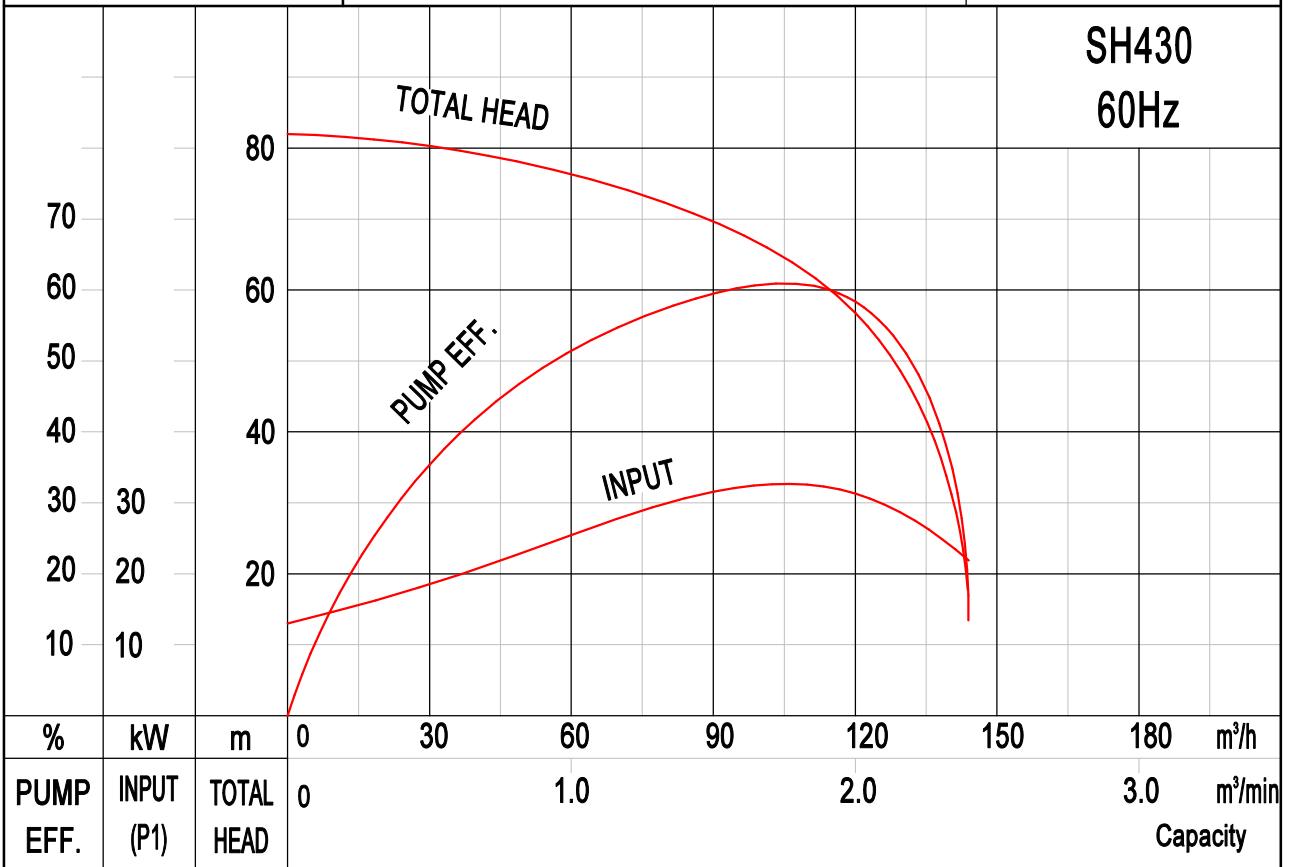
TYPE: SUBMERSIBLE DRAINAGE PUMP		MODEL: SH422	FREQUENCY: 60Hz
STANDARD SPECIFICATIONS			
DISCHARGE BORE	100 mm		
HEAD	Max: 68 m	Rated: 60 m	
CAPACITY	Max: 2.3 m ³ /min	Rated: 1.1 m ³ /min	
MOTOR OUTPUT	22 kW		
PHASE x VOLTAGE	3 Øx 460 V		
CURRENT	35.5 A		
POLES/REVOLUTION	2 P/ S.S.3450 min ⁻¹		
STARTING METHOD	Star-Delta start		
INSULATION CLASS	F		



ZHEJIANG FENGYUAN PUMP INDUSTRY CO., LTD.

PUMP PERFORMANCE CURVES

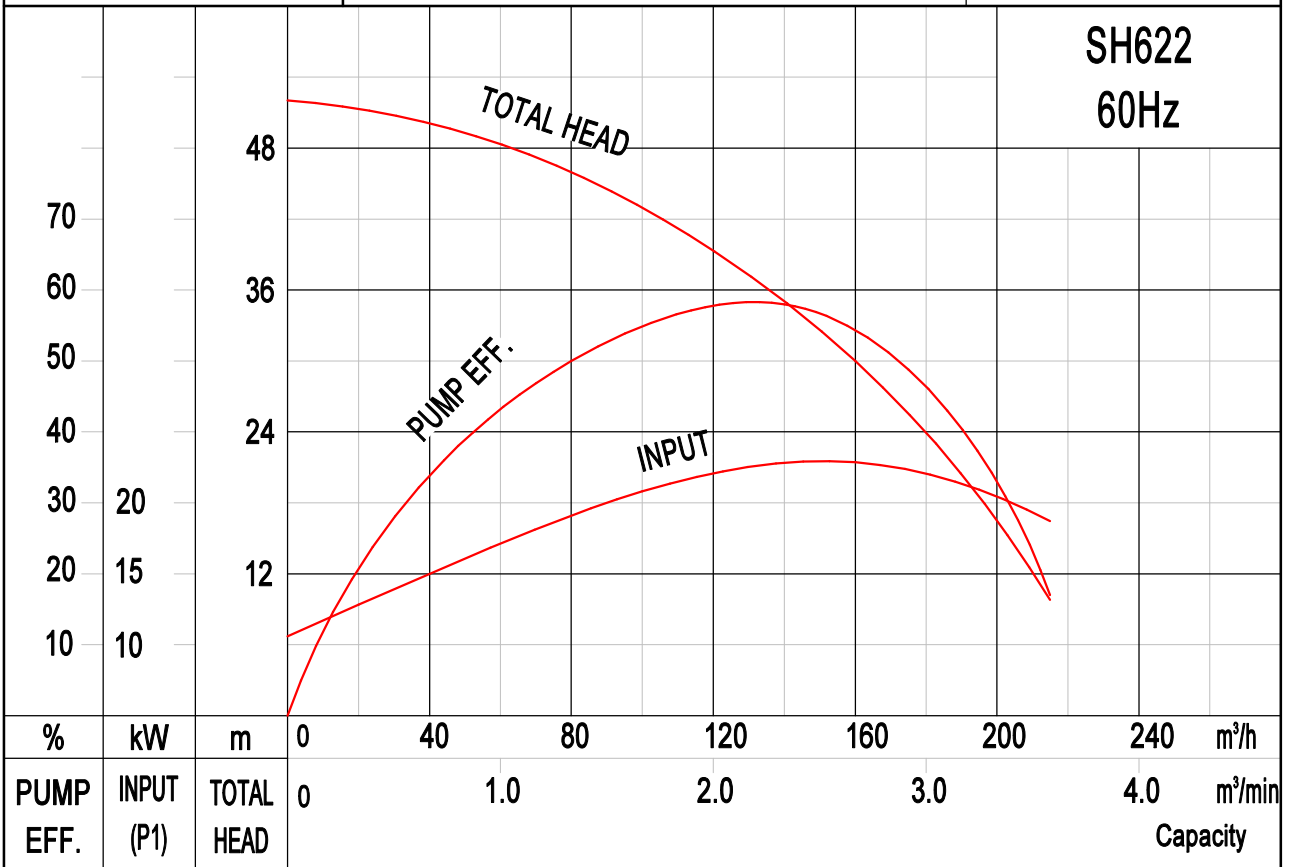
TYPE: SUBMERSIBLE DRAINAGE PUMP		MODEL: SH430	FREQUENCY: 60Hz
STANDARD SPECIFICATIONS			
DISCHARGE BORE	100 mm		
HEAD	Max: 82 m	Rated: 75 m	
CAPACITY	Max: 2.4 m ³ /min	Rated: 1.2 m ³ /min	
MOTOR OUTPUT	30 kW		
PHASE x VOLTAGE	3 Øx 460 V		
CURRENT	46 A		
POLES/REVOLUTION	2 P/ S.S.3450 min ⁻¹		
STARTING METHOD	Star-Delta start		
INSULATION CLASS	F		



ZHEJIANG FENGYUAN PUMP INDUSTRY CO., LTD.

PUMP PERFORMANCE CURVES

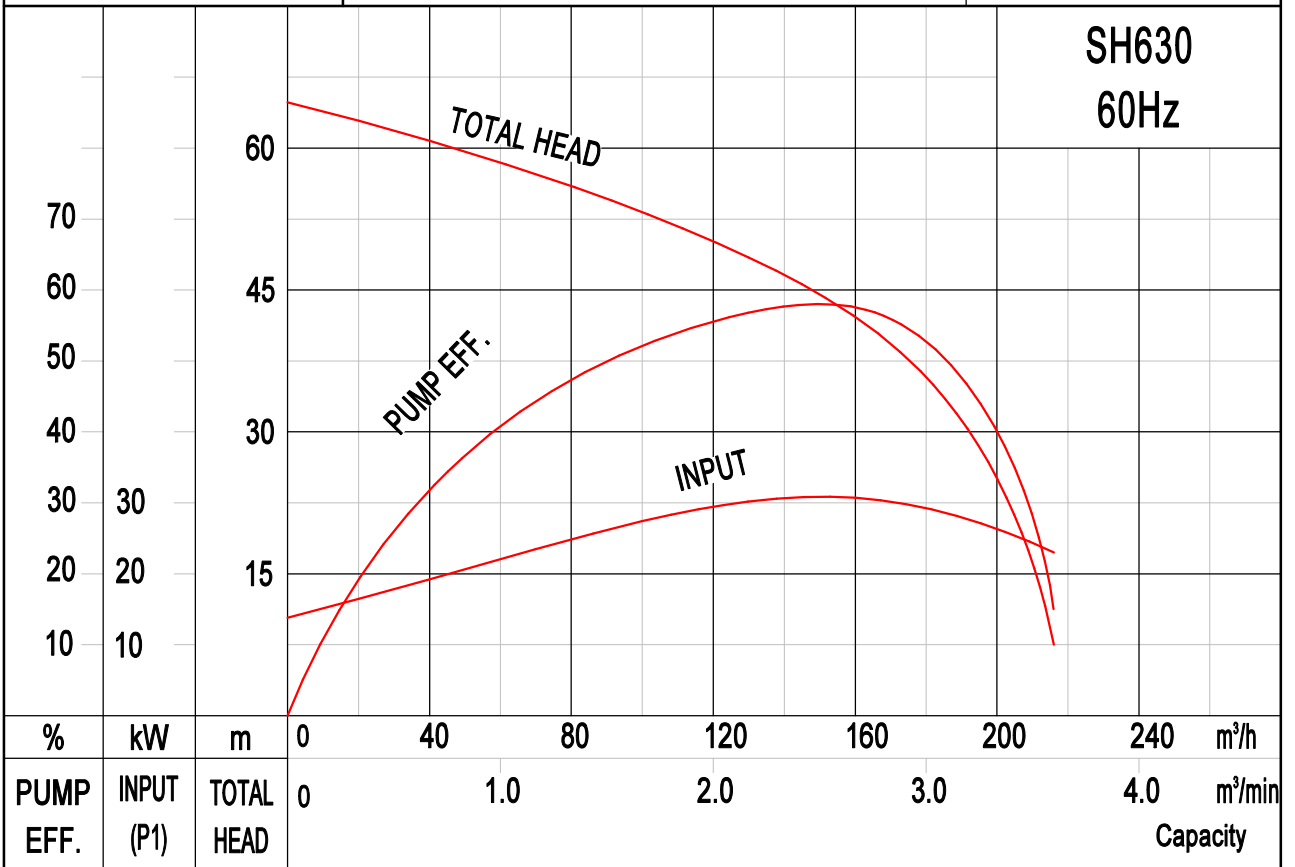
TYPE: SUBMERSIBLE DRAINAGE PUMP		MODEL: SH622	FREQUENCY: 60Hz
STANDARD SPECIFICATIONS			
DISCHARGE BORE	150 mm		
HEAD	Max: 52 m	Rated: 40 m	
CAPACITY	Max: 3.5 m ³ /min	Rated: 2.0 m ³ /min	
MOTOR OUTPUT	22 kW		
PHASE x VOLTAGE	3 Øx 460 V		
CURRENT	35.5 A		
POLES/REVOLUTION	2 P/ S.S.3450 min ⁻¹		
STARTING METHOD	Star-Delta start		
INSULATION CLASS	F		



ZHEJIANG FENGYUAN PUMP INDUSTRY CO., LTD.

PUMP PERFORMANCE CURVES

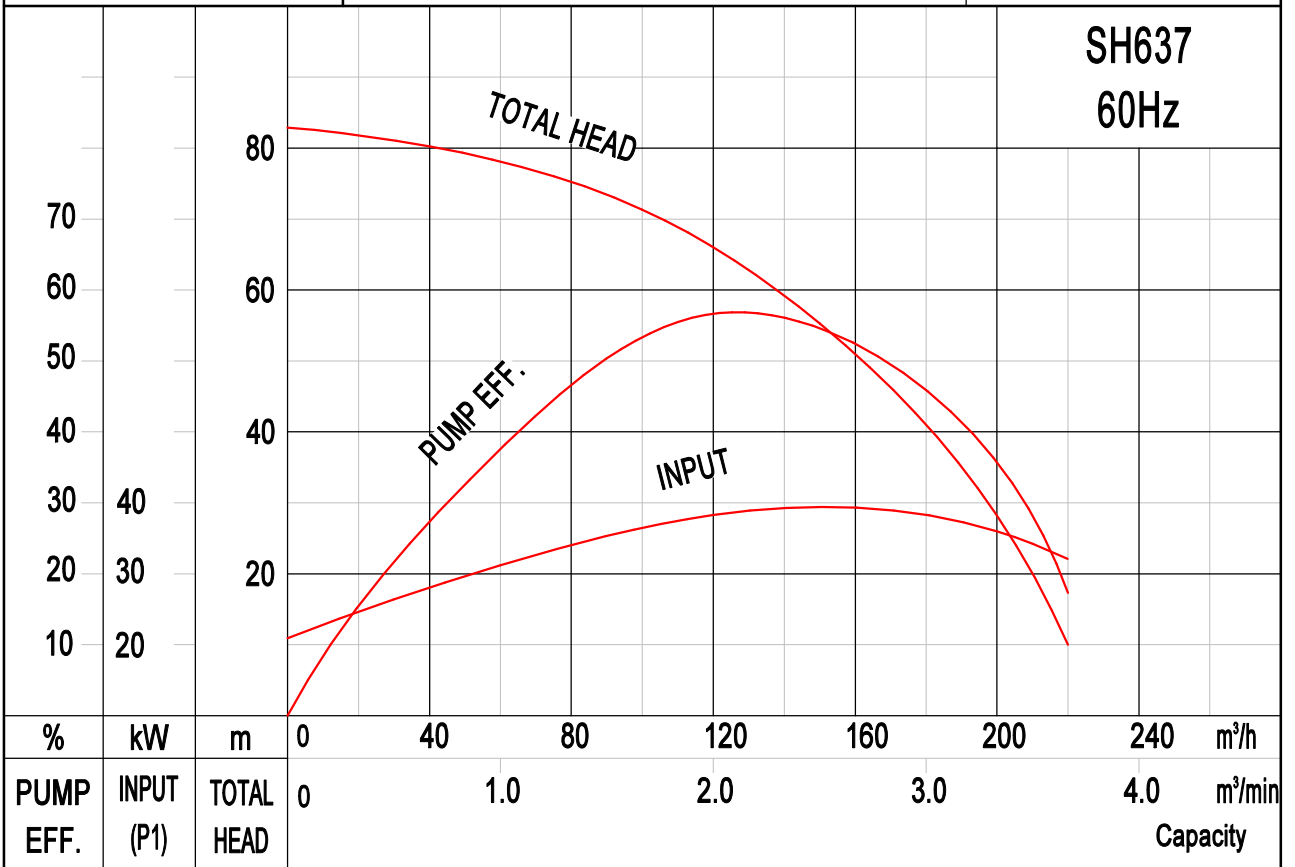
TYPE: SUBMERSIBLE DRAINAGE PUMP		MODEL: SH630	FREQUENCY: 60Hz
STANDARD SPECIFICATIONS			
DISCHARGE BORE	150 mm		
HEAD	Max: 64 m	Rated: 448 m	
CAPACITY	Max: 3.6 m ³ /min	Rated: 2.33 m ³ /min	
MOTOR OUTPUT	30 kW		
PHASE x VOLTAGE	3 Øx 460 V		
CURRENT	46 A		
POLES/REVOLUTION	2 P/ S.S.3450 min ⁻¹		
STARTING METHOD	Star-Delta start		
INSULATION CLASS	F		



ZHEJIANG FENGYUAN PUMP INDUSTRY CO., LTD.

PUMP PERFORMANCE CURVES

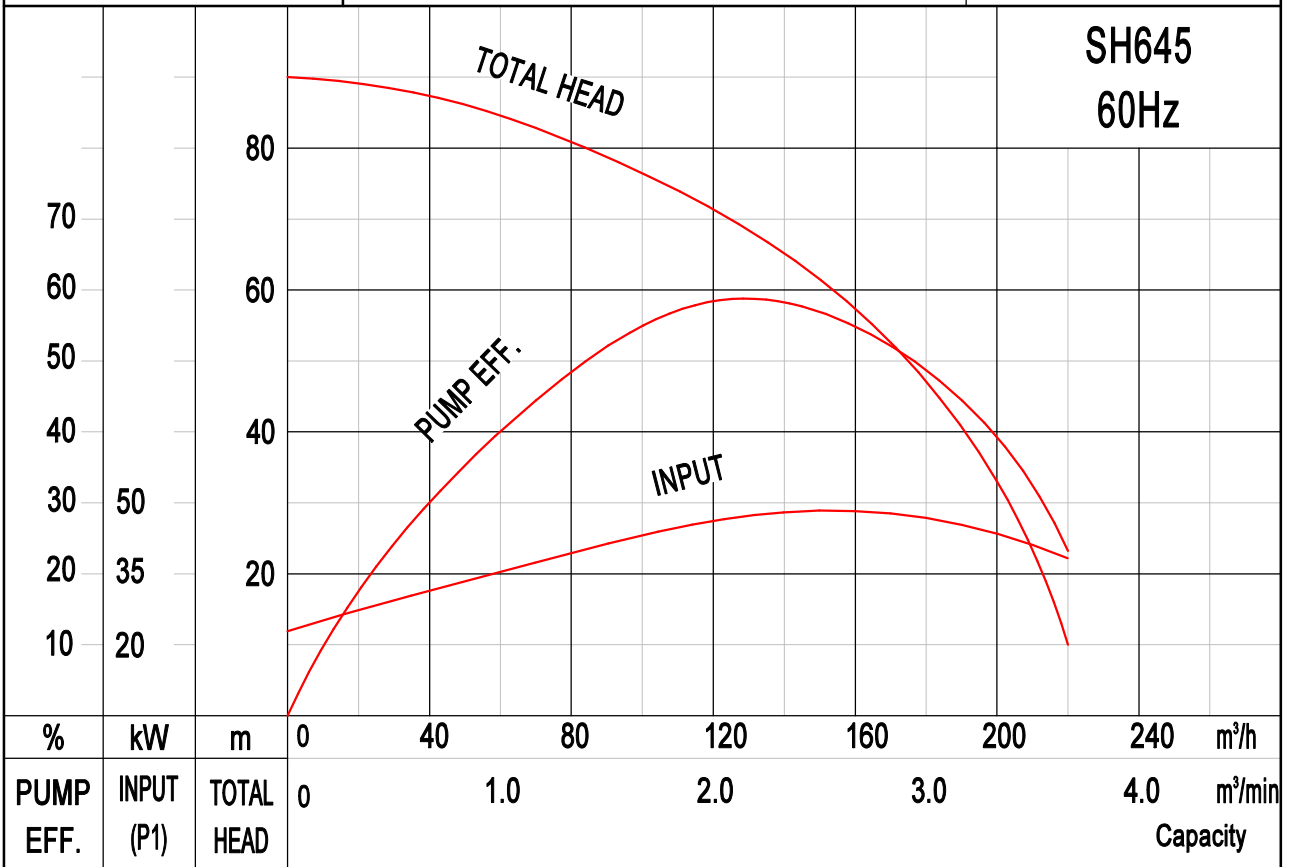
TYPE: SUBMERSIBLE DRAINAGE PUMP		MODEL: SH637	FREQUENCY: 60Hz
STANDARD SPECIFICATIONS			
DISCHARGE BORE	150 mm		
HEAD	Max: 83 m	Rated: 80 m	
CAPACITY	Max: 3.67 m ³ /min	Rated: 1.0 m ³ /min	
MOTOR OUTPUT	37 kW		
PHASE x VOLTAGE	3 Øx 460 V		
CURRENT	57.5 A		
POLES/REVOLUTION	2 P/ S.S.3450 min ⁻¹		
STARTING METHOD	Star-Delta start		
INSULATION CLASS	F		



ZHEJIANG FENGYUAN PUMP INDUSTRY CO., LTD.

PUMP PERFORMANCE CURVES

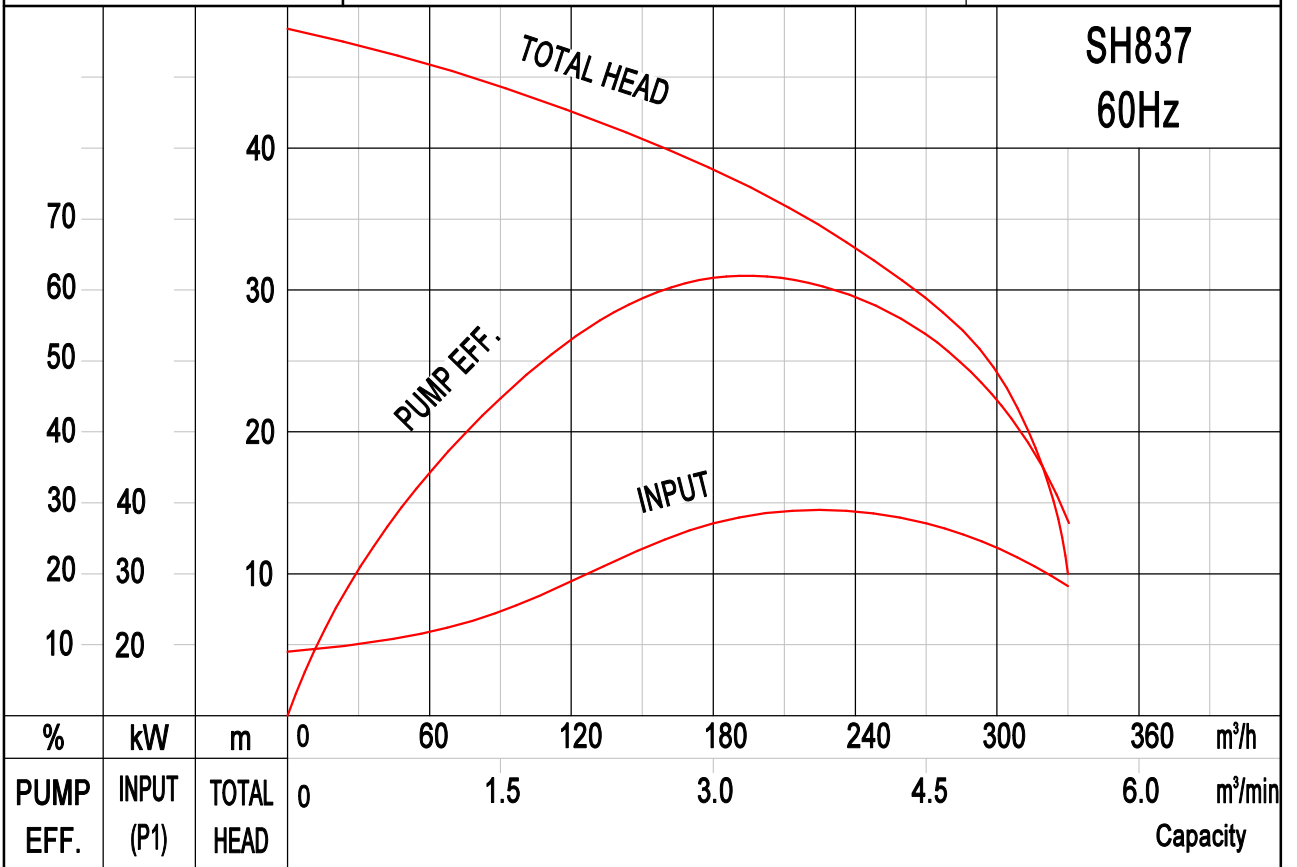
TYPE: SUBMERSIBLE DRAINAGE PUMP		MODEL: SH645	FREQUENCY: 60Hz
STANDARD SPECIFICATIONS			
DISCHARGE BORE	150 mm		
HEAD	Max: 90 m	Rated: 80 m	
CAPACITY	Max: 3.67 m ³ /min	Rated: 1.4 m ³ /min	
MOTOR OUTPUT	45 kW		
PHASE x VOLTAGE	3 Øx 460 V		
CURRENT	69.5 A		
POLES/REVOLUTION	2 P/ S.S.3450 min ⁻¹		
STARTING METHOD	Star-Delta start		
INSULATION CLASS	F		



ZHEJIANG FENGYUAN PUMP INDUSTRY CO., LTD.

PUMP PERFORMANCE CURVES

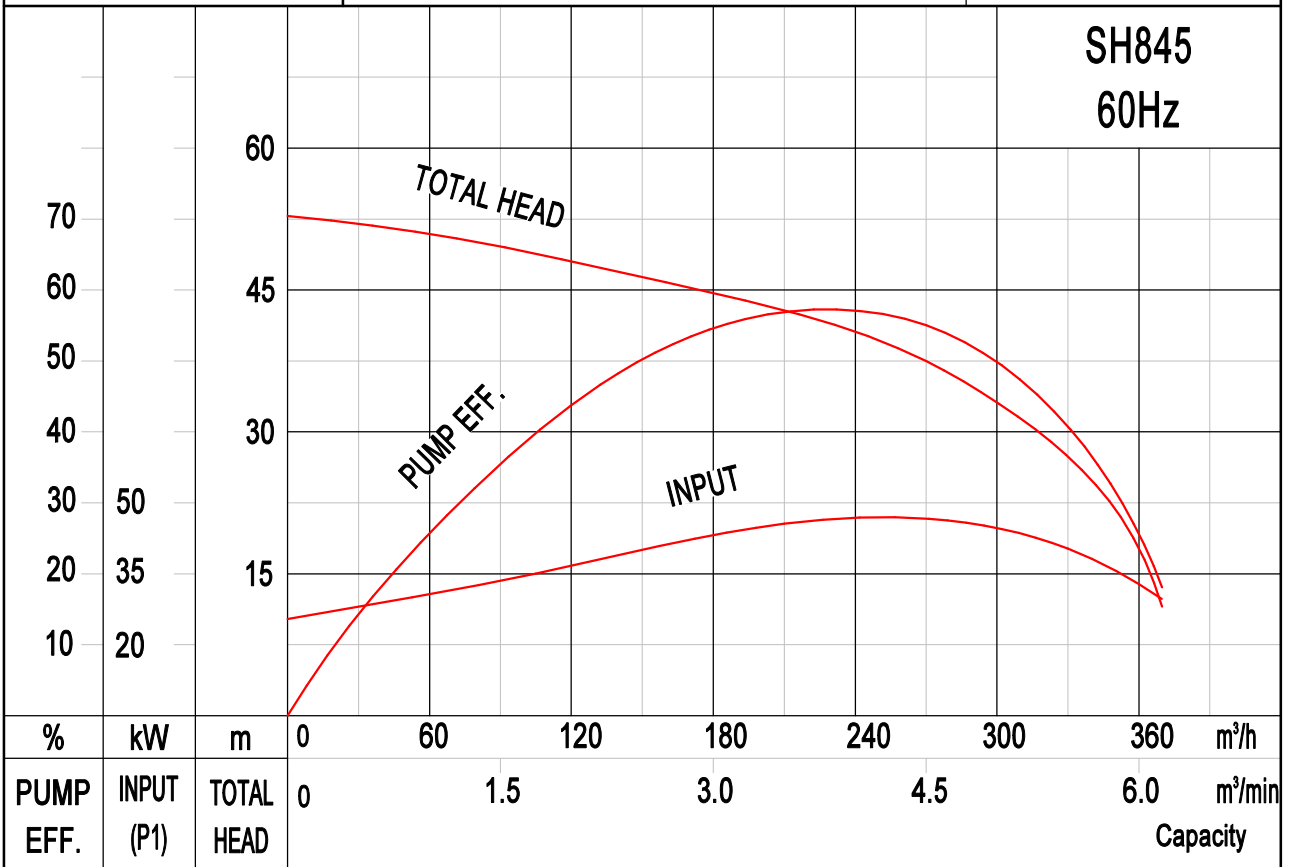
TYPE: SUBMERSIBLE DRAINAGE PUMP		MODEL: SH837	FREQUENCY: 60Hz
STANDARD SPECIFICATIONS			
DISCHARGE BORE	200 mm		
HEAD	Max: 48 m	Rated: 35 m	
CAPACITY	Max: 5.5 m ³ /min	Rated: 3.6 m ³ /min	
MOTOR OUTPUT	37 kW		
PHASE x VOLTAGE	3 Øx 460 V		
CURRENT	57.5 A		
POLES/REVOLUTION	2 P/ S.S.3450 min ⁻¹		
STARTING METHOD	Star-Delta start		
INSULATION CLASS	F		



ZHEJIANG FENGYUAN PUMP INDUSTRY CO., LTD.

PUMP PERFORMANCE CURVES

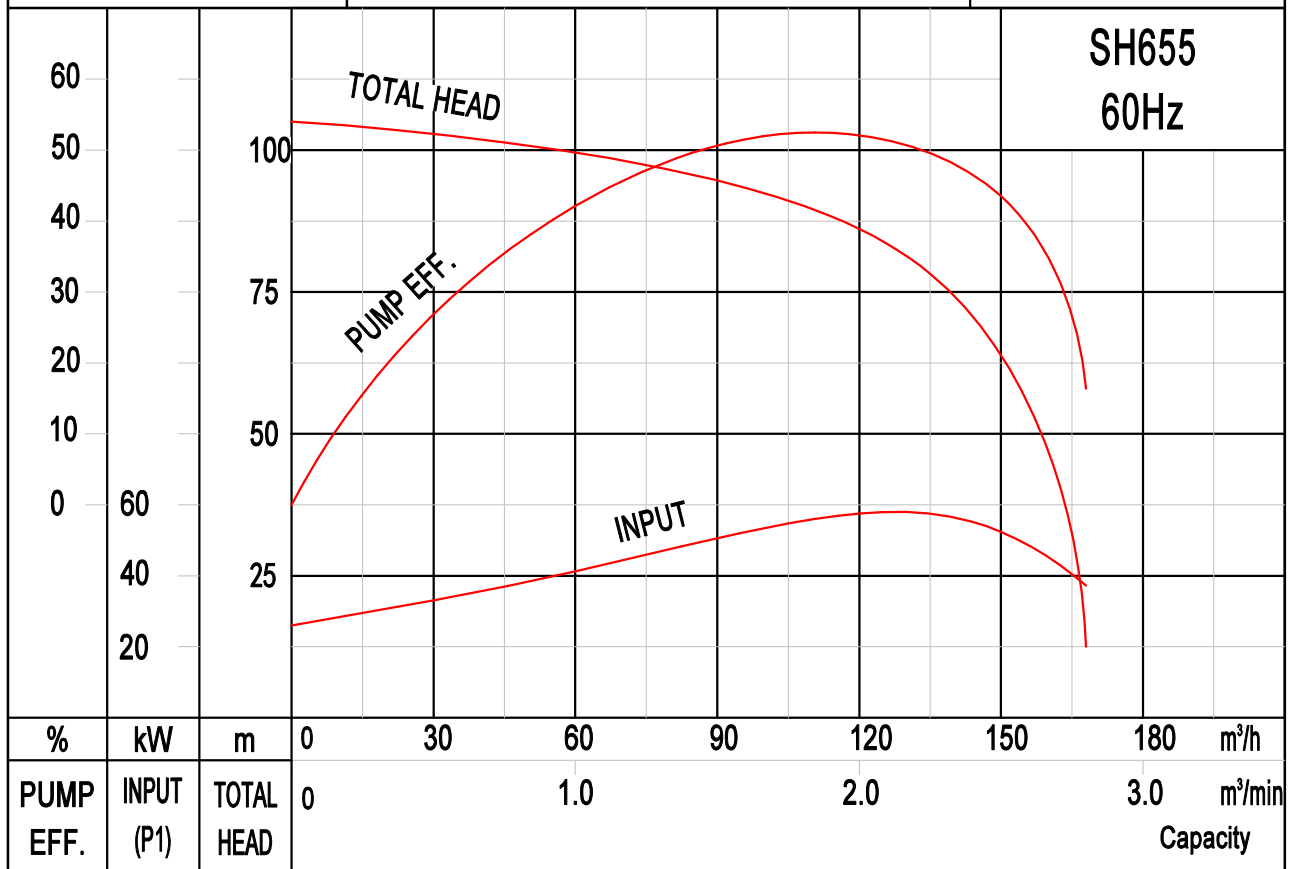
TYPE: SUBMERSIBLE DRAINAGE PUMP		MODEL: SH845	FREQUENCY: 60Hz
STANDARD SPECIFICATIONS			
DISCHARGE BORE	200 mm		
HEAD	Max: 53 m	Rated: 35 m	
CAPACITY	Max: 6.2 m ³ /min	Rated: 4.5 m ³ /min	
MOTOR OUTPUT	45 kW		
PHASE x VOLTAGE	3 Øx 460 V		
CURRENT	69.5 A		
POLES/REVOLUTION	2 P/ S.S.3450 min ⁻¹		
STARTING METHOD	Star-Delta start		
INSULATION CLASS	F		



ZHEJIANG FENGYUAN PUMP INDUSTRY CO., LTD.

PUMP PERFORMANCE CURVES

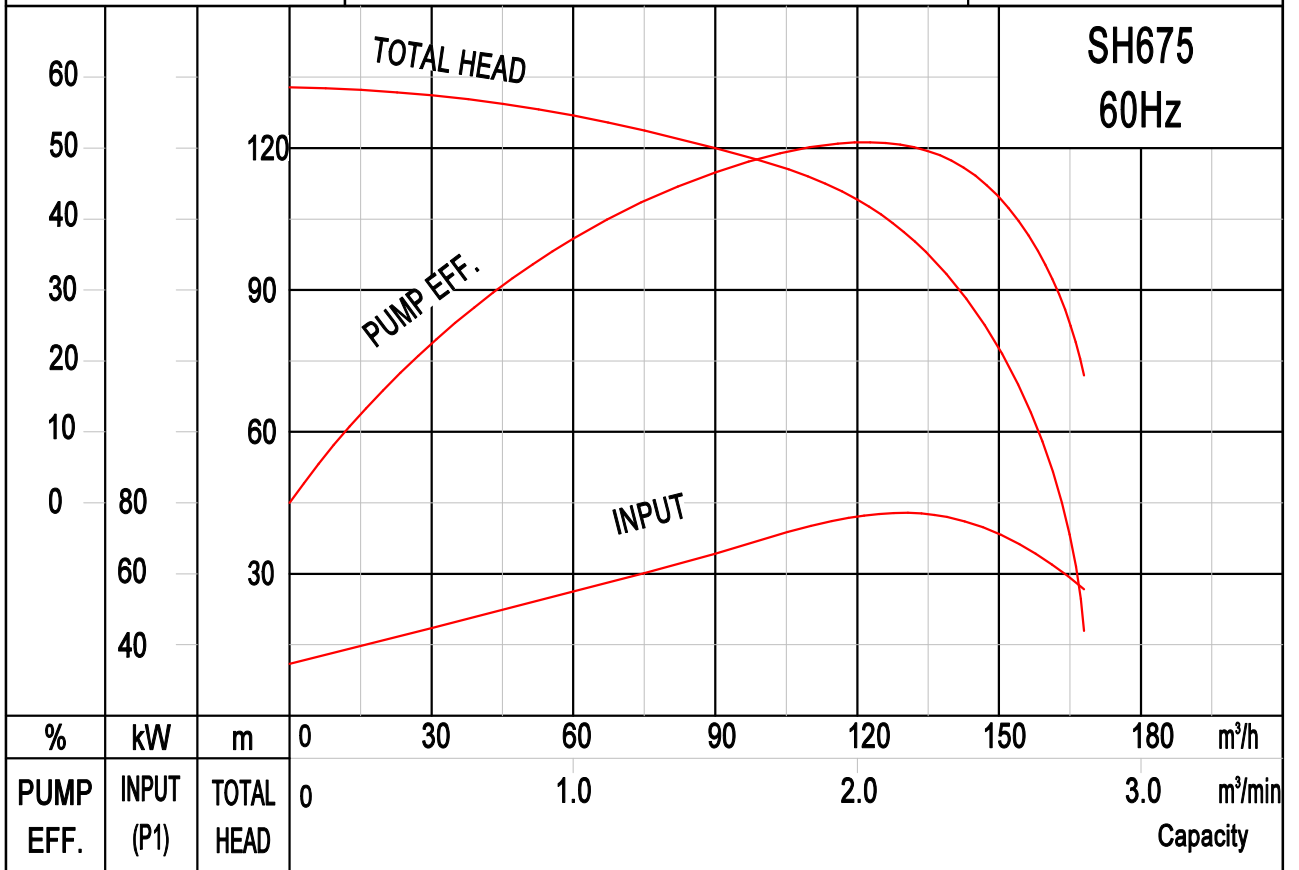
TYPE: SUBMERSIBLE PUMP		MODEL: SH655	FREQUENCY: 60Hz
STANDARD SPECIFICATIONS			
DISCHARGE BORE	150 mm		
HEAD	Max: 105 m	Rated: 95 m	
CAPACITY	Max: 2.8 m ³ /min	Rated: 1.5 m ³ /min	
MOTOR OUTPUT	55 kW		
PHASE x VOLTAGE	3 Øx 460 V		
CURRENT	82.5 A		
POLES/REVOLUTION	2 P/ S.S.3450 min ⁻¹		
STARTING METHOD	Stae-Delta start		
INSULATION CLASS	F		



ZHEJIANG FENGYUAN PUMP INDUSTRY CO., LTD.

PUMP PERFORMANCE CURVES

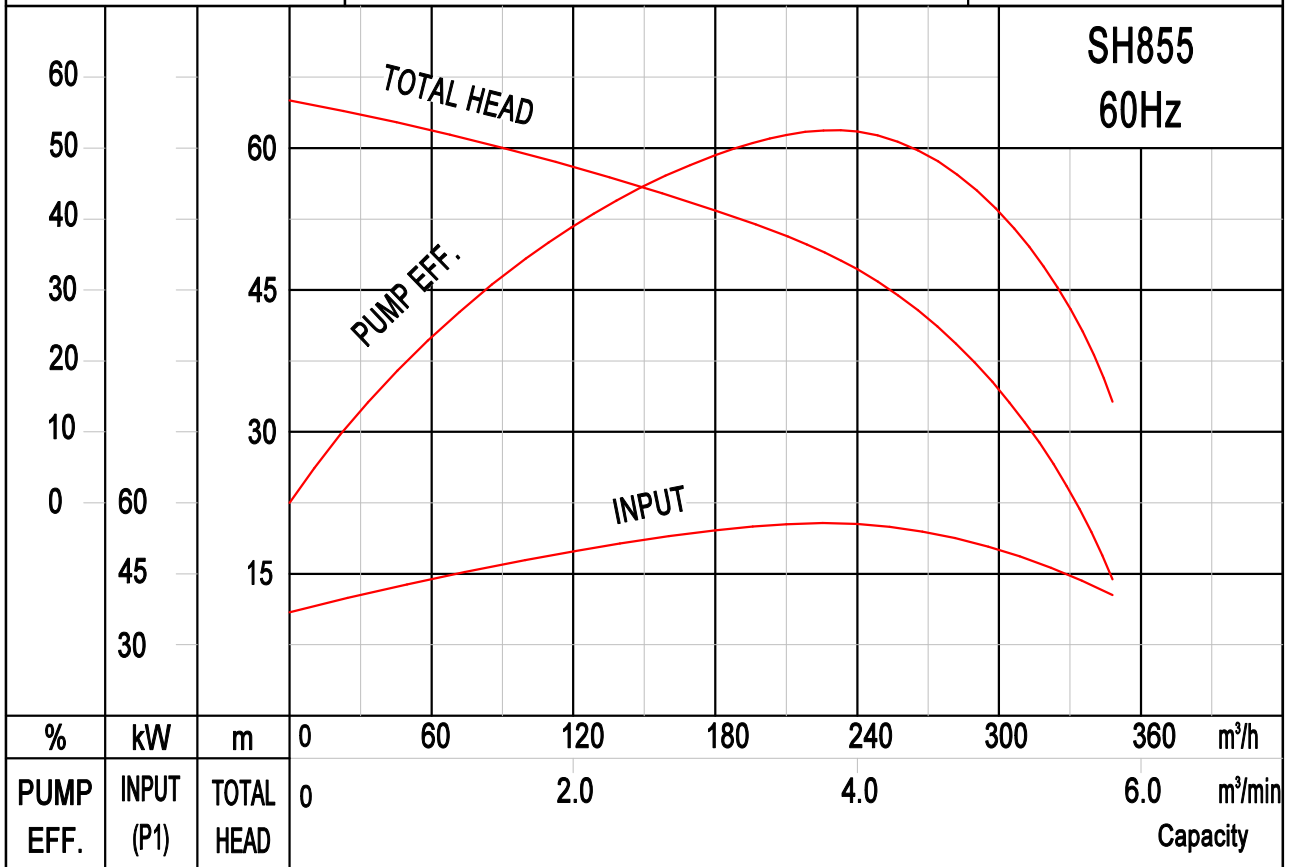
TYPE: SUBMERSIBLE PUMP		MODEL: SH675	FREQUENCY: 60Hz
STANDARD SPECIFICATIONS			
DISCHARGE BORE	150 mm		
HEAD	Max: 132 m	Rated: 120 m	
CAPACITY	Max: 2.8 m ³ /min	Rated: 1.5 m ³ /min	
MOTOR OUTPUT	75 kW		
PHASE x VOLTAGE	3 Øx 460 V		
CURRENT	110 A		
POLES/REVOLUTION	2 P/ S.S.3450 min ⁻¹		
STARTING METHOD	Stae-Delta start		
INSULATION CLASS	F		



ZHEJIANG FENGYUAN PUMP INDUSTRY CO., LTD.

PUMP PERFORMANCE CURVES

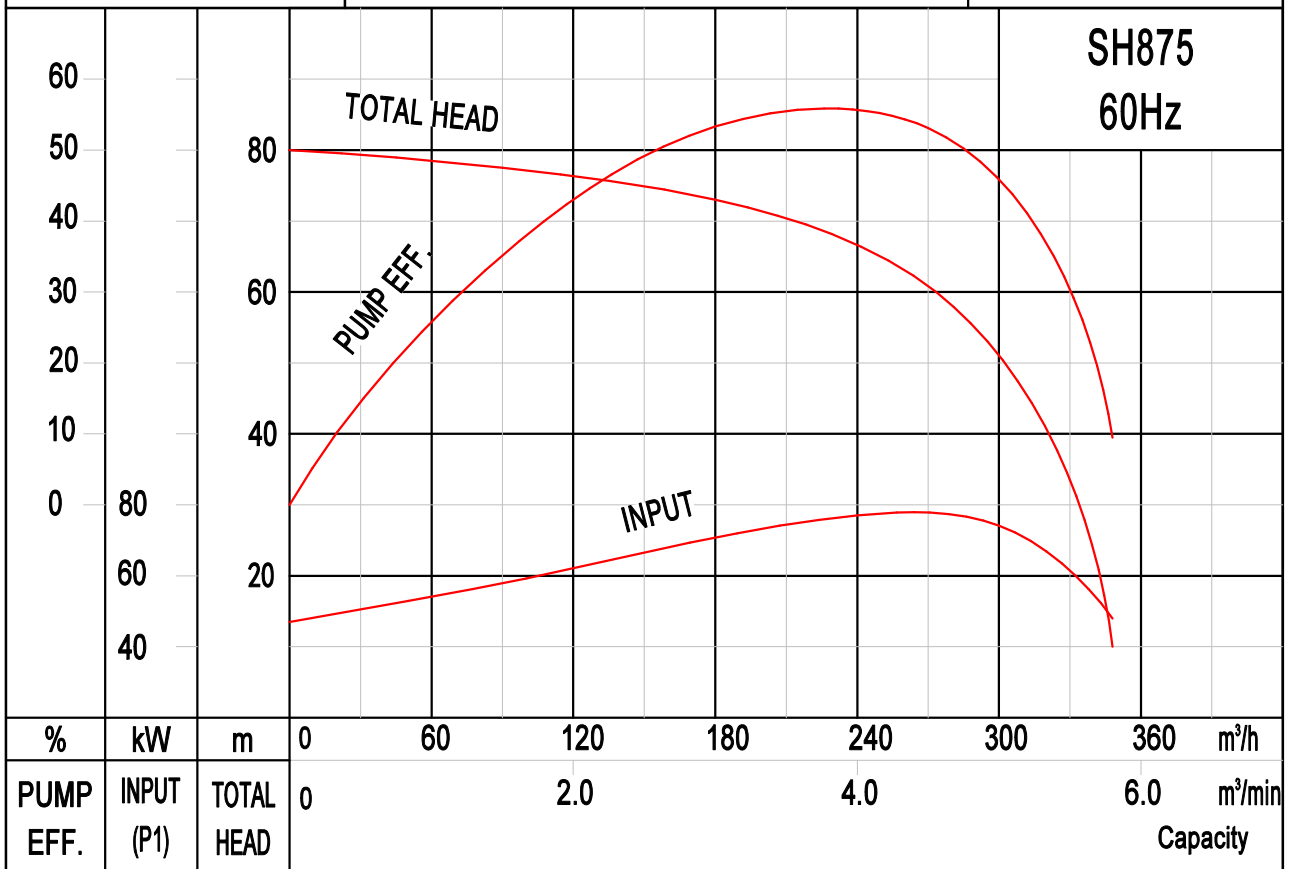
TYPE: SUBMERSIBLE PUMP		MODEL: SH855	FREQUENCY: 60Hz
STANDARD SPECIFICATIONS			
DISCHARGE BORE	200 mm		
HEAD	Max: 65 m	Rated: 47 m	
CAPACITY	Max: 5.8 m ³ /min	Rated: 4.0 m ³ /min	
MOTOR OUTPUT	55 kW		
PHASE x VOLTAGE	3 Øx 460 V		
CURRENT	82.5 A		
POLES/REVOLUTION	2 P/ S.S.3450 min ⁻¹		
STARTING METHOD	Star-Delta start		
INSULATION CLASS	F		



ZHEJIANG FENGYUAN PUMP INDUSTRY CO., LTD.

PUMP PERFORMANCE CURVES

TYPE: SUBMERSIBLE PUMP		MODEL: SH875	FREQUENCY: 60Hz
STANDARD SPECIFICATIONS			
DISCHARGE BORE	200 mm		
HEAD	Max: 80 m	Rated: 60 m	
CAPACITY	Max: 5.8 m ³ /min	Rated: 4.5 m ³ /min	
MOTOR OUTPUT	75 kW		
PHASE x VOLTAGE	3 Øx 460 V		
CURRENT	110 A		
POLES/REVOLUTION	2 P/ S.S.3450 min ⁻¹		
STARTING METHOD	Star-Delta start		
INSULATION CLASS	F		



ZHEJIANG FENGYUAN PUMP INDUSTRY CO., LTD.