

HW Series
Axial Flow Pump

Product model and name

For example, 500HW-6A

500—inlet and outlet diameter of the pump in mm

HW—horizontal volute mixed-flow pump

6—designed head in m

A—reduction in diameter of the impeller

Application range

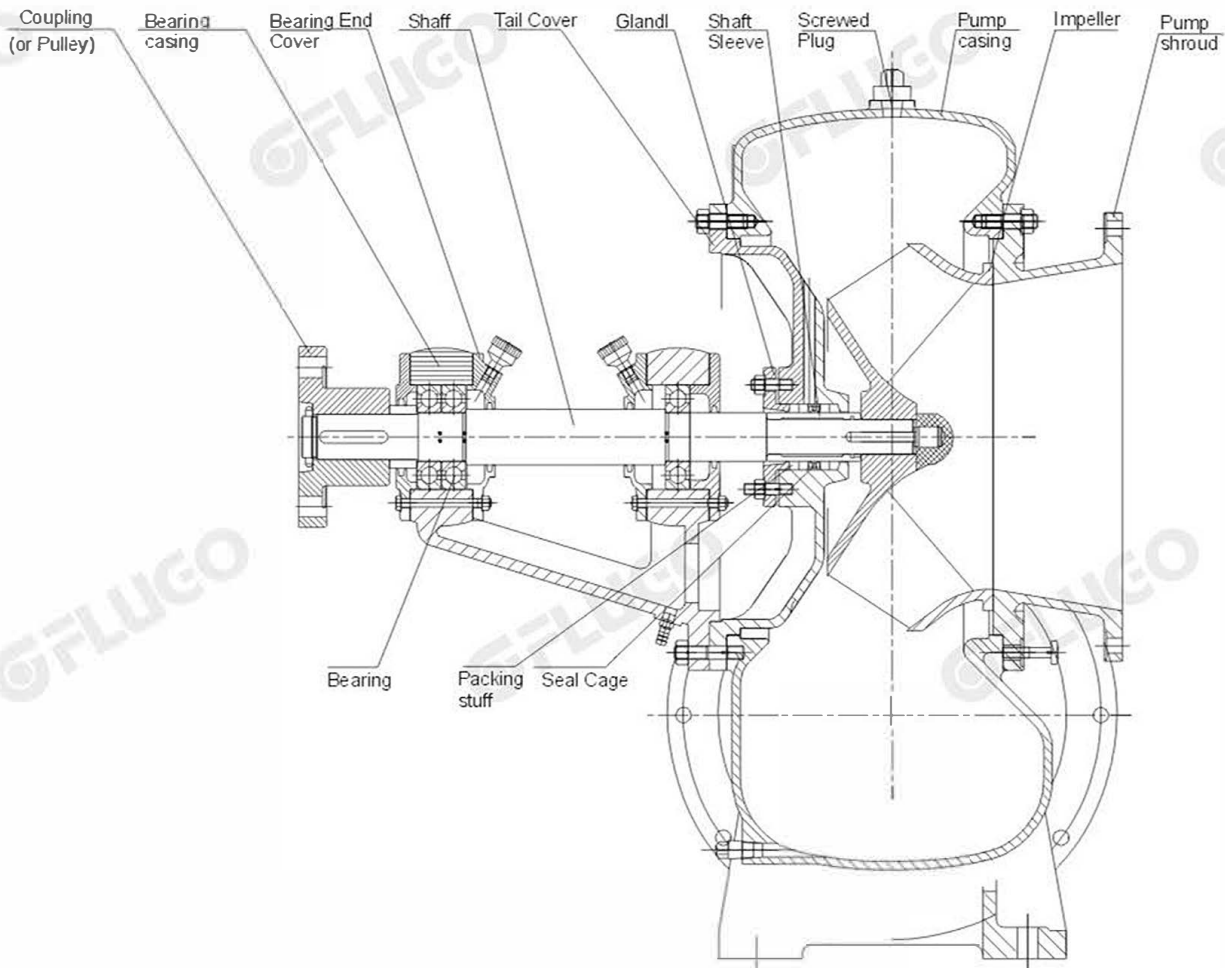
Main performance range of HWG pumps:

- Capacity 130 m³/h -9000m³/h,
- Head:3.5-22m

The direction of Rotation:

- As viewed from the suction side of the pump, the rotation of the impeller is anti-clockwise. However, the direction of rotation of model 650HW-5,-7,-10 pumps is just opposite to the above statement.

Sectional View of HW pumps

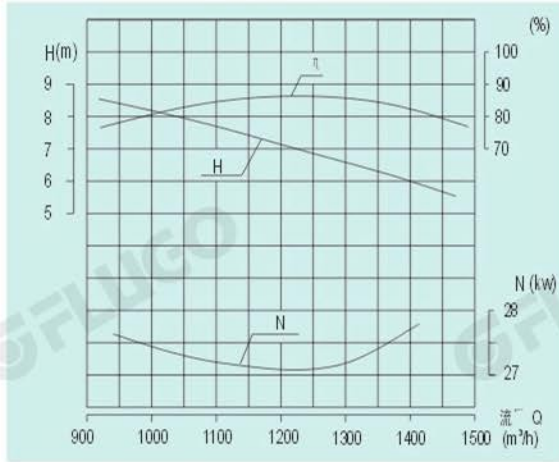


Performance Parmeter Table

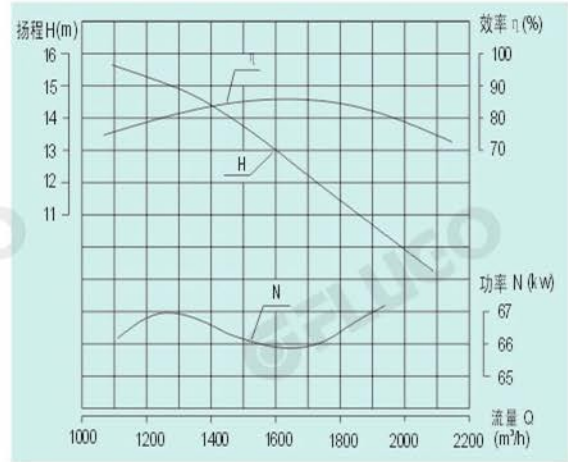
Type	Capacity		Head H(m)	Speed (r/min)	Efficiency %	Shaft Power P(kW)	Motor Power N(kW)	(NPSH) _c m	
	(L/s)	(m ³ /h)							
400HW-7	300	1080	7.8	730	84.0	27.31	30	4.0	
	350	1260	6.8		86.0	27.13			
	380	1368	6.2		84.0	27.50			
	400HW-10	403	1450	14.1	980	84.0	66.32	75	6.8
		470	1692	12.3		86.0	65.90		
		510	1836	11.2		84.0	66.67		
305		1098	11.5	83.0		41.43			
400HW-10C	389	1400	9.9	730	86.0	43.88	55	4.0	
	478	1720	7.55		83.5	42.07			
	409	1474	20.7		83.0	100.10			
400HW-10C	522	1880	18.0	980	86.0	107.70	115	6.8	
	641	2309	13.6		83.5	102.40			
	469	1690	7.6		83.5	41.90			
500HW-6	550	1980	6.2	580	87.0	38.40	55	5.5	
	606	2180	5.3		80.5	39.10			
	591	2127	12		83.5	83.20			
	500HW-6.5	692	2492	9.8	730	87.0	76.40	95	8.3
		762	2744	8.4		80.5	77.90		
		561	2020	9		82.0	60.30		
500HW-6.5	667	2400	7	730	85.0	53.80	80	4.0	
	750	2700	5.5		81.0	49.90			
	736	2650	7.2		86.0	60.40			
650HW-5	920	3312	5.1	485	85.0	54.10	75	5.5	
	1000	3600	4.0		79.0	49.60			
	896	3224	10.58		86.0	108.20			
	650HW-5	1120	4032	7.55	590	85.0	96.80	115	7.8
		1216	4379	5.92		79.0	89.10		
		850	3060	7.4		85.0	72.50		
650HW-7	944	3400	6.5	450	88.0	68.40	90	5.3	
	1100	3960	5		85.0	63.40			
	915	3290	8.6		85.0	90.80			
	650HW-7	1017	3660	7.6	485	88.0	86.10	100	5.5
		1185	4245	5.9		85.0	80.20		
		1115	4010	12.7		85.0	163.10		
650HW-7C	1238	4460	11.2	590	88.0	154.50	180	7.8	
	1442	5195	8.6		85.0	143.10			
	738	2660	10.9		81.0	97.40			
650HW-10	923	3220	9.7	490	88.0	99.60	130	5.5	
	1153	4150	7.2		85.0	95.70			
	889	3200	15.8		81.0	169.90			
650HW-10C	1111	4000	14	590	88.0	173.20	180	7.8	
	1389	5000	10.4		85.0	166.50			
	1154	4155	9.6		86.0	123.60			
700HW-8	1280	4610	8	490	85.0	118.20	130	6.5	
	1565	5635	5.4		79.0	104.90			
	1500	5400	22.0		85.0	380.9			
800HW-16	2000	7200	17.7	590	88.0	394.20	450	7.0	
	2400	8640	12.5		80	367.5			

Characteristic Curves

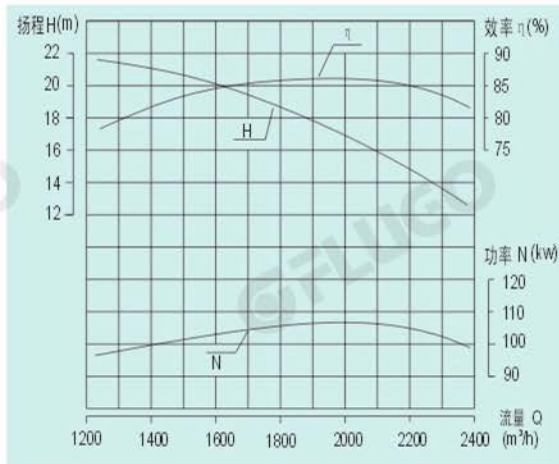
400HW-7 n=730r/min



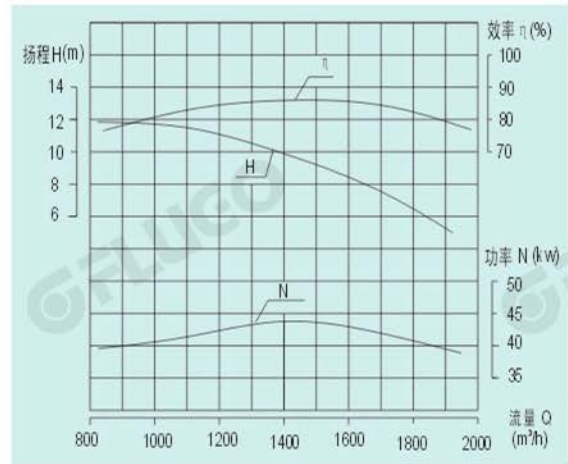
400HW-7 n=980r/min



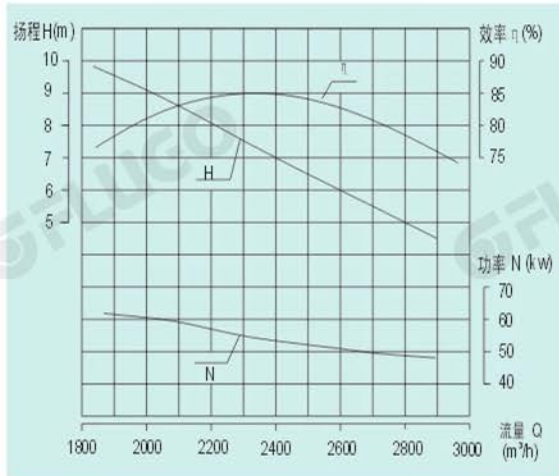
400HW-10C n=980r/min



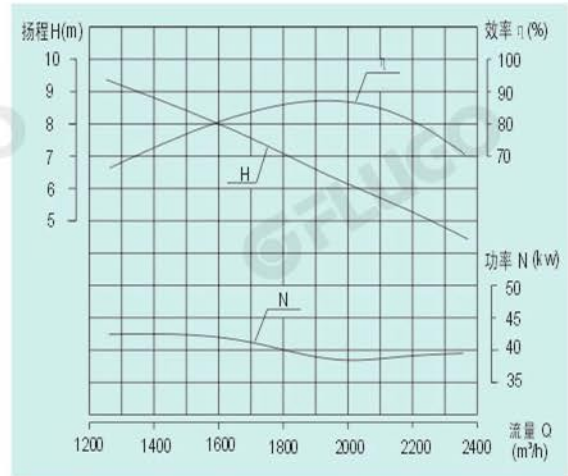
400HW-10 n=730r/min



500HW-6.5 n=730r/min

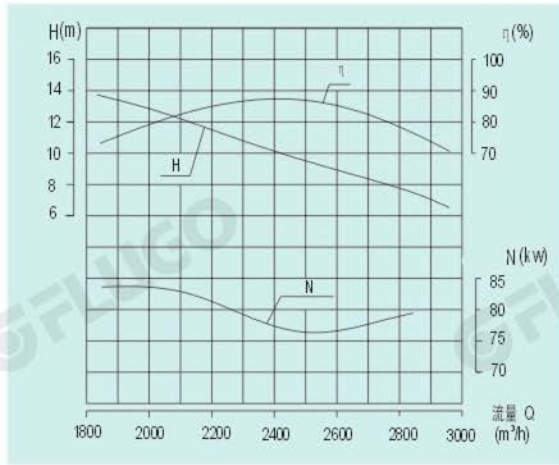


500HW-6 n=580r/min

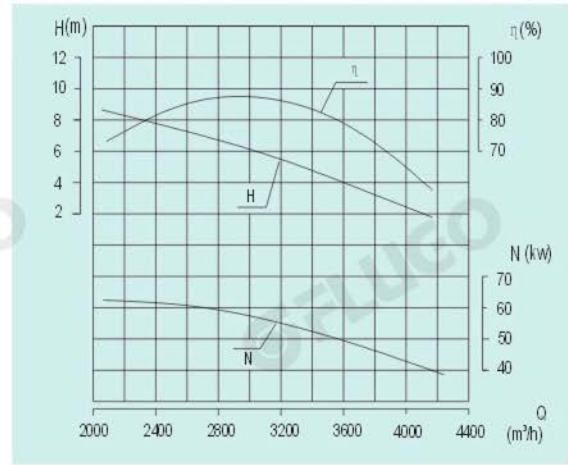


Characteristic Curves

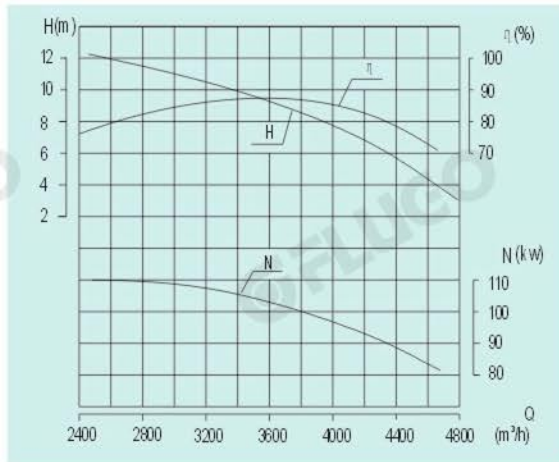
500HW-6 n=730r/min



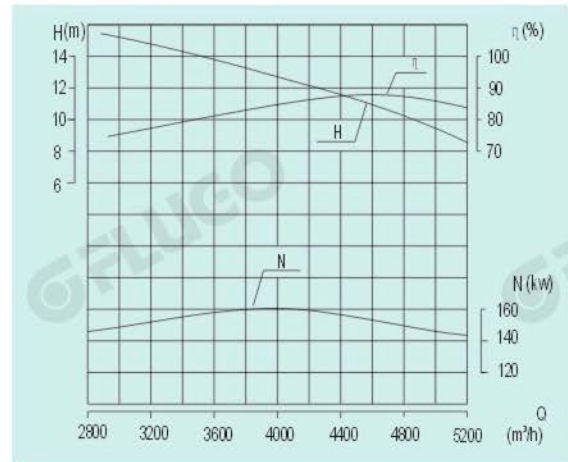
650HW-5 n=485r/min



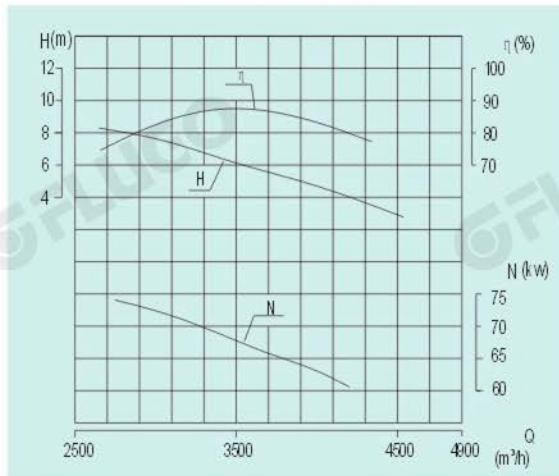
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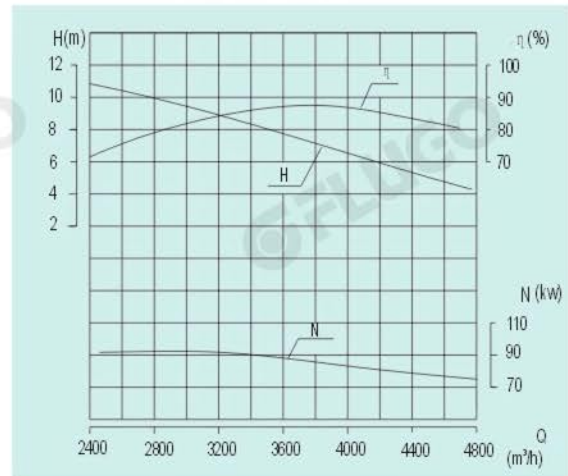
650HW-7C n=590r/min



650HW-7 n=450r/min

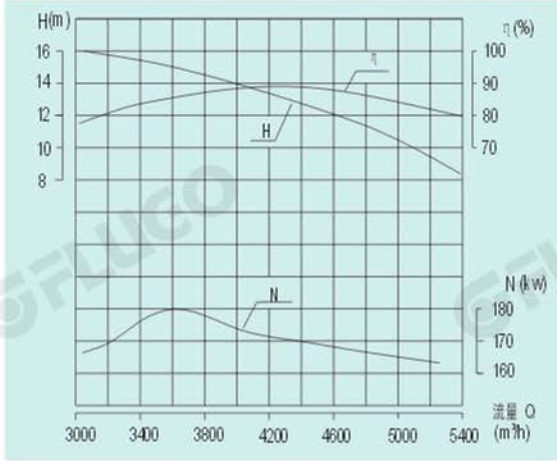


650HW-7 n=485r/min

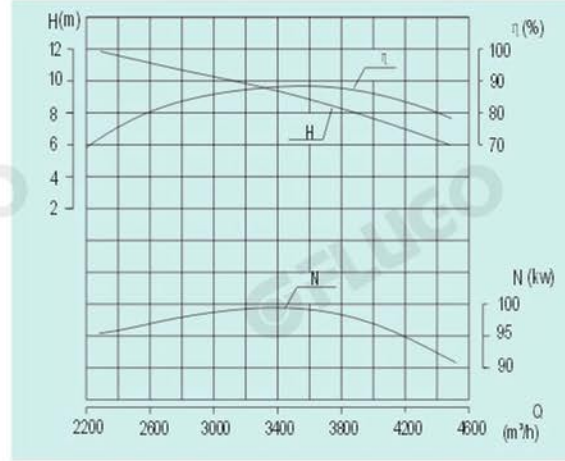


Characteristic Curves

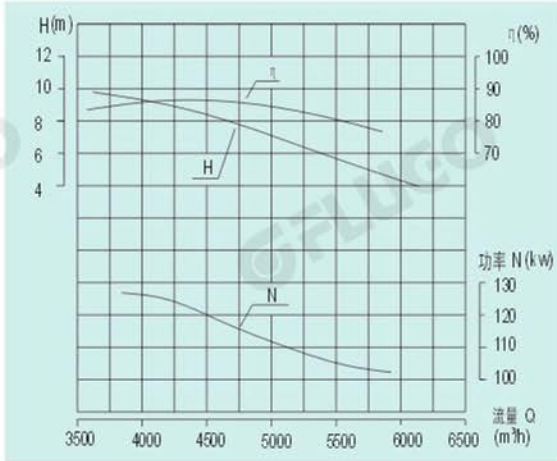
650HW-10C n=590r/min



650HW-10 n=490r/min



700HW-8 n=490r/min



800HW-16 n=590r/min

