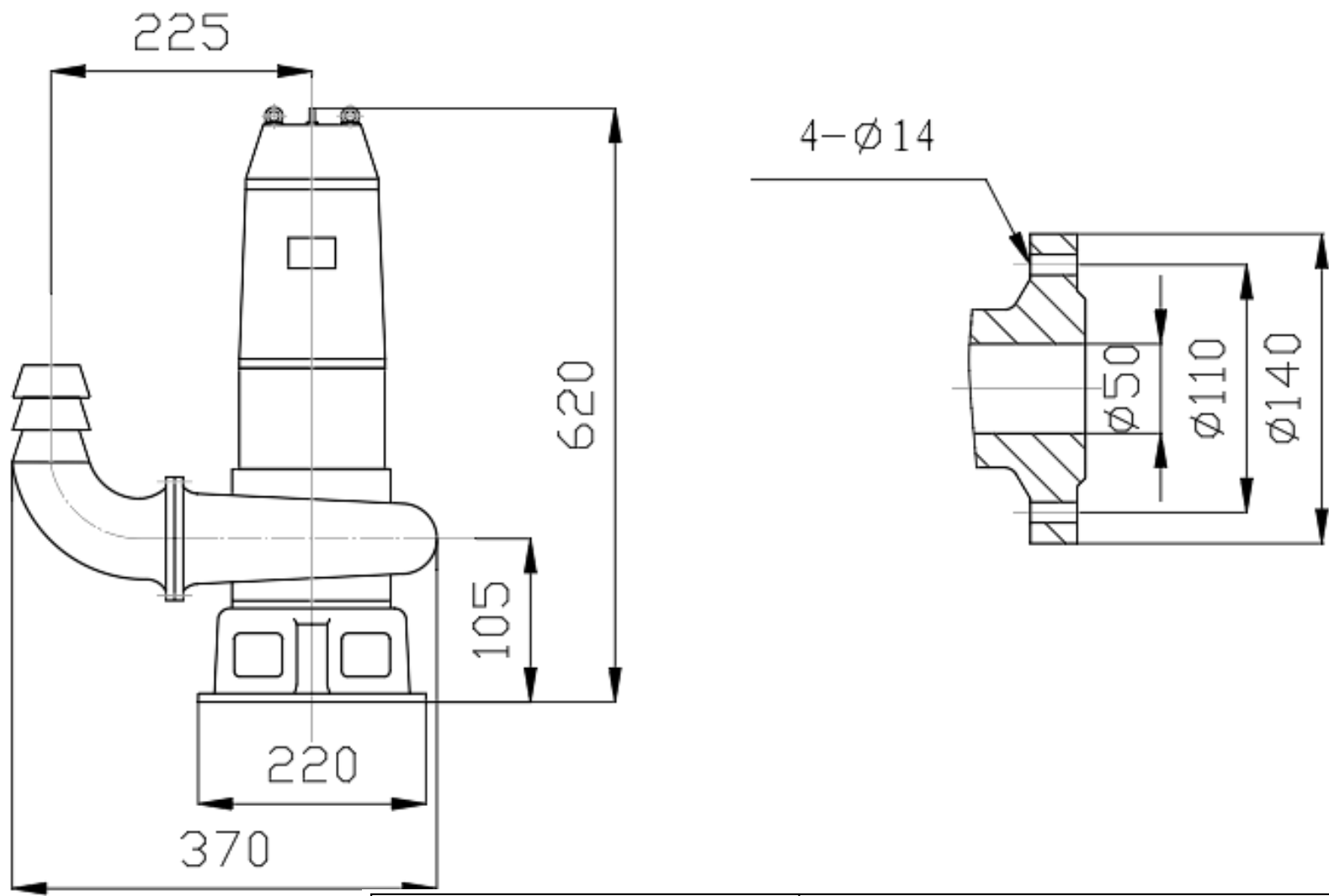




Flow	5 m³/h	Submersible Sewage Pump 50QW5-28-3 Installation Dimension Drawing
Head	28 m	
Motor power	3 kW	
Speed	2900 r/min	

All dimensions in mm. Materials: cast iron, stainless steel 304 or 316L. Weight approx. 56–60 kg.
Standard DN50 outlet flange shown; flanges to other standards (e.g. ASME Class 150) are available on request.

水泵性能试验报告

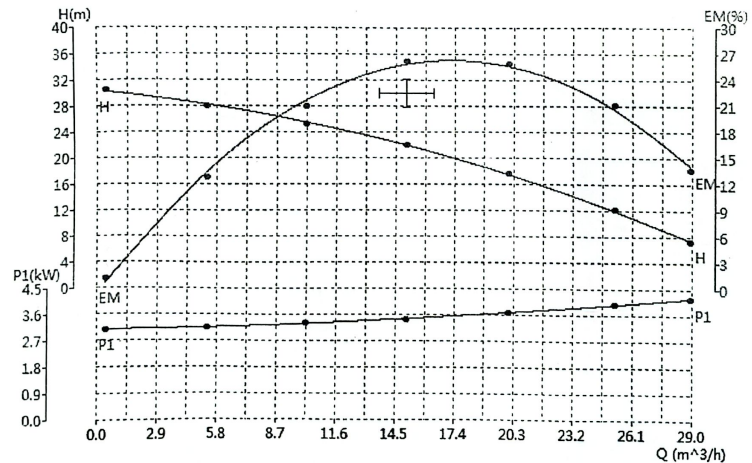
产品型号: 50QW15-30
测试编号: 0000254
原厂编号: 1252

计划编号:
介质: 清水
额定电压: 380V

进口口径: 0.05m
出口口径: 0.05m
额定功率: 30kW

水温: 11.0℃
出口表距: 2.00
电机效率: 92.4%

序号	测定数值										计算数值			
	电压	电流Ia	电流Ib	电流Ic	功率因数	功率	转速	流量	进口压	出口压	流量	扬程	输入功率	机组效率
	V	A	A	A	cos φ	kW	r/min	m³/h	kPa	kPa	m³/h	m	Pw	%
1	385.8	5.40	5.30	5.45	0.85	3.075	2283	0.40	-1.0	278.0	0.40	30.46	3.075	1.08
2	387.9	5.49	5.41	5.51	0.86	3.144	2996	5.30	-1.0	254.0	5.30	28.01	3.144	12.85
3	386.8	5.72	5.60	5.76	0.86	3.298	2993	10.10	-1.0	227.0	10.10	25.26	3.298	21.06
4	386.1	5.93	5.88	5.95	0.87	3.452	2994	15.00	-1.0	196.0	15.00	22.09	3.452	26.13
5	386.5	6.27	6.24	6.31	0.88	3.693	2995	20.00	-1.0	152.0	20.00	17.61	3.693	25.96
6	384.9	6.68	6.64	6.71	0.89	3.959	2996	25.20	-1.0	99.0	25.20	12.20	3.959	21.14
7	385.1	6.98	6.96	7.01	0.90	4.174	2996	28.90	-1.0	50.0	28.90	7.20	4.174	13.57
8														
9														
10														
11														
12														
13														
14														



规定点
实测点
偏差

流量: 15.0m³/h
流量: 12.0m³/h
流量: -19.9%

扬程: 30m
扬程: 24.0m
扬程: -19.9%

机组效率: 50%
机组效率: 23.0%
效率: -53.9%

试验人员:

审核:

试验日期: 2026/8/7

Test conditions

Factory performance test of the 50QW 3 kW submersible pump (DN50 outlet), clean water at 11 °C, 380 V, 2900 r/min. Test date: 2026-08-07.

The quoted model 50QW5-28-3 uses this pump; its rated duty point is 5 m³/h at 28 m.

Test points

Flow (m³/h)	Head (m)	Input power (kW)
0.40	30.46	3.075
5.30	28.01	3.144
10.10	25.26	3.298
15.00	22.09	3.452
20.00	17.61	3.693
25.20	12.20	3.959
28.90	7.20	4.174

Key to the chart

Q (m³/h): Flow rate
H (m): Head
P1 (kW): Input power
EM (%): Unit efficiency

Table columns (left to right)

Measured: voltage (V), currents Ia / Ib / Ic (A), power factor, input power (kW), speed (r/min), flow (m³/h), inlet pressure (kPa), outlet pressure (kPa). Calculated: flow (m³/h), head (m), input power (kW), unit efficiency (%).