

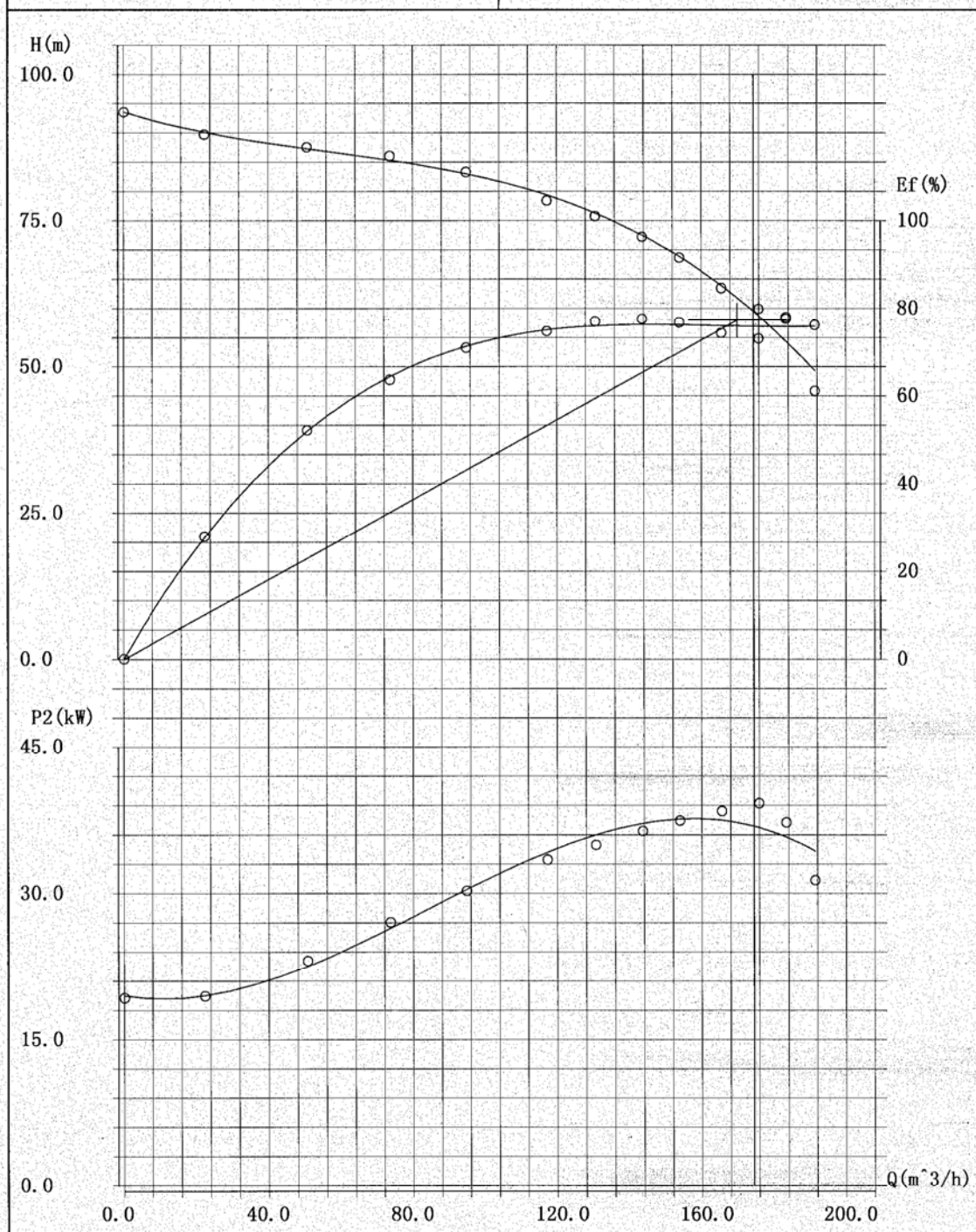
泵性能曲线

	流量(m^3/h)	扬程(m)	功率(kW)	转速(r/min)	效率(%)
规定值	170.0	58.0	45.0	2200	76.0
实测值	174.397	59.5	36.896	2200	75.93

水泵型号:150VTC220-35x3 出厂编号:091 试验编号:150VTC220-35x3-01

十字判别:[2级]合格

效率判别=0.999 结论:[1级]合格



试验人员:

校核:

试验日期:2020-1-9

泵 性 能 数 据

水泵型号: 150VTC220-35x3 出厂编号: 091 试验编号: 150VTC220-35x3-01

生产厂家:

额定流量: 170 (m³/h) 额定扬程: 58 (m) 轴功率: 45 (kW)

额定转速: 2200 (r/min) 额定效率: 76 (%) 电机联接型式: △

泵参数

工况点	出口压力 (KPa)	转 速 (r/min)	流量 (m ³ /h)		扬程 (m)		水功率 (kW)	
			实测值	归算值	实测值	归算值	实测值	归算值
1	880.396	2166	0.070	0.071	90.690	93.569	0.017	0.018
2	841.843	2164	21.985	22.354	86.789	89.725	5.196	5.462
3	816.415	2159	49.691	50.628	84.322	87.530	11.411	12.068
4	797.329	2155	72.093	73.598	82.549	86.032	16.207	17.244
5	766.291	2151	92.751	94.882	79.600	83.299	20.106	21.524
6	714.733	2146	114.317	117.183	74.626	78.414	23.233	25.024
7	686.212	2143	127.297	130.665	71.917	75.772	24.931	26.963
8	650.375	2142	139.789	143.588	68.474	72.246	26.067	28.251
9	614.353	2140	149.630	153.847	64.981	68.696	26.479	28.782
10	563.786	2140	160.936	165.471	60.047	63.480	26.318	28.606
11	527.935	2138	170.916	175.864	56.602	59.927	26.346	28.701
12	512.415	2142	178.523	183.374	55.188	58.228	26.831	29.078
13	398.879	2150	187.037	191.396	43.806	45.871	22.313	23.910
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电参数

工况点	电 压 (V)	电 流 (A)				输入功率 (kW)	输出功率 (kW)		泵效率 (%)
		Iab	Ibc	Ica	I		实测值	归算值	
1	383.5	65.675	65.658	65.962	65.765	33.038	18.398	19.281	0.09
2	383.4	66.105	66.091	66.391	66.196	33.272	18.537	19.485	28.03
3	383.5	73.146	73.132	73.435	73.238	38.154	21.848	23.107	52.23
4	381.1	81.049	81.036	81.339	81.141	43.486	25.439	27.066	63.71
5	379.8	87.374	87.359	87.660	87.464	47.769	28.288	30.283	71.08
6	379.8	94.271	94.257	94.560	94.363	51.994	31.063	33.458	74.79
7	379.1	97.290	97.274	97.576	97.380	53.975	32.347	34.983	77.07
8	378.7	100.308	100.293	100.594	100.398	55.860	33.582	36.394	77.62
9	379.0	102.751	102.734	103.037	102.841	57.252	34.468	37.465	76.82
10	380.3	104.474	104.461	104.761	104.565	58.573	35.357	38.431	74.43
11	379.8	105.912	105.897	106.198	106.002	59.610	36.023	39.243	73.14
12	380.7	102.174	102.161	102.461	102.265	57.081	34.398	37.279	78.00
13	382.8	89.673	89.656	89.960	89.763	49.220	29.257	31.351	76.26
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杂散耗=1.2%输出功率 铁耗=2.745 (kW) 机械耗=2.727 (kW)

冷态电阻 Ra-b=0.096 (Ω) 冷态电阻 Rb-c=0.096 (Ω) 冷态电阻 Rc-a=0.096 (Ω)

热态电阻 Ra-b=0.112 (Ω) 热态电阻 Rb-c=0.112 (Ω) 热态电阻 Rc-a=0.112 (Ω)

试验人员:

校核:

批准:

试验日期:

2020-1-9

泵 性 能 数 据

水泵型号: 150VTC220-35x3 出厂编号: 091 试验编号: 150VTC220-35x3

生产厂家:

额定流量: 125 (m³/h) 额定扬程: 40 (m) 轴功率: 25 (kW)

额定转速: 1800 (r/min) 额定效率: 76 (%) 电机联接型式: △

泵参数

工况点	出口压力 (KPa)	转 速 (r/min)	流量 (m ³ /h)		扬程 (m)		水功率 (kW)	
			实测值	归算值	实测值	归算值	实测值	归算值
1	558.981	1840	0.060	0.059	57.906	55.446	0.009	0.009
2	534.503	1838	18.844	18.457	55.432	53.181	2.845	2.673
3	518.359	1834	42.591	41.801	53.878	51.899	6.249	5.908
4	506.240	1830	61.794	60.774	52.770	51.043	8.880	8.448
5	486.534	1827	79.500	78.347	50.919	49.453	11.024	10.551
6	453.798	1823	97.985	96.759	47.790	46.601	12.752	12.280
7	435.691	1820	109.112	107.895	46.090	45.067	13.695	13.242
8	412.936	1819	119.820	118.562	43.925	43.007	14.333	13.886
9	390.066	1817	128.254	127.040	41.725	40.939	14.574	14.164
10	357.959	1817	137.945	136.639	38.615	37.887	14.506	14.098
11	335.196	1816	146.499	145.208	36.448	35.809	14.542	14.161
12	325.342	1819	153.020	151.413	35.568	34.825	14.822	14.360
13	253.257	1826	160.318	158.044	28.361	27.562	12.382	11.863
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电参数

工况点	电 压 (V)	电 流 (A)				输入功率 (kW)	输出功率 (kW)		泵效率 (%)
		I _{ab}	I _{bc}	I _{ca}	I		实测值	归算值	
1	383.5	46.477	46.465	46.679	46.540	23.381	9.588	8.984	0.10
2	383.4	46.781	46.771	46.984	46.845	23.547	9.674	9.090	29.41
3	383.5	51.764	51.755	51.969	51.829	27.001	11.685	11.047	53.48
4	381.1	57.358	57.348	57.563	57.423	30.775	13.869	13.194	64.03
5	379.8	61.835	61.823	62.037	61.898	33.805	15.604	14.935	70.65
6	379.8	66.714	66.705	66.919	66.779	36.796	17.300	16.659	73.71
7	379.1	68.851	68.840	69.055	68.915	38.197	18.083	17.485	75.74
8	378.7	70.987	70.977	71.189	71.051	39.531	18.838	18.251	76.08
9	379.0	72.715	72.704	72.919	72.779	40.515	19.380	18.835	75.20
10	380.3	73.935	73.926	74.139	74.000	41.451	19.922	19.362	72.82
11	379.8	74.953	74.943	75.155	75.017	42.186	20.332	19.799	71.52
12	380.7	72.308	72.299	72.510	72.372	40.397	19.338	18.736	76.64
13	382.8	63.461	63.448	63.663	63.524	34.833	16.196	15.516	76.45
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杂散耗=1.2%输出功率 铁耗=2.745 (kW) 机械耗=2.727 (kW)

冷态电阻 R_{a-b}=0.096 (Ω) 冷态电阻 R_{b-c}=0.096 (Ω) 冷态电阻 R_{c-a}=0.096 (Ω)热态电阻 R_{a-b}=0.112 (Ω) 热态电阻 R_{b-c}=0.112 (Ω) 热态电阻 R_{c-a}=0.112 (Ω)

试验人员:

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试验日期:

2020-1-9

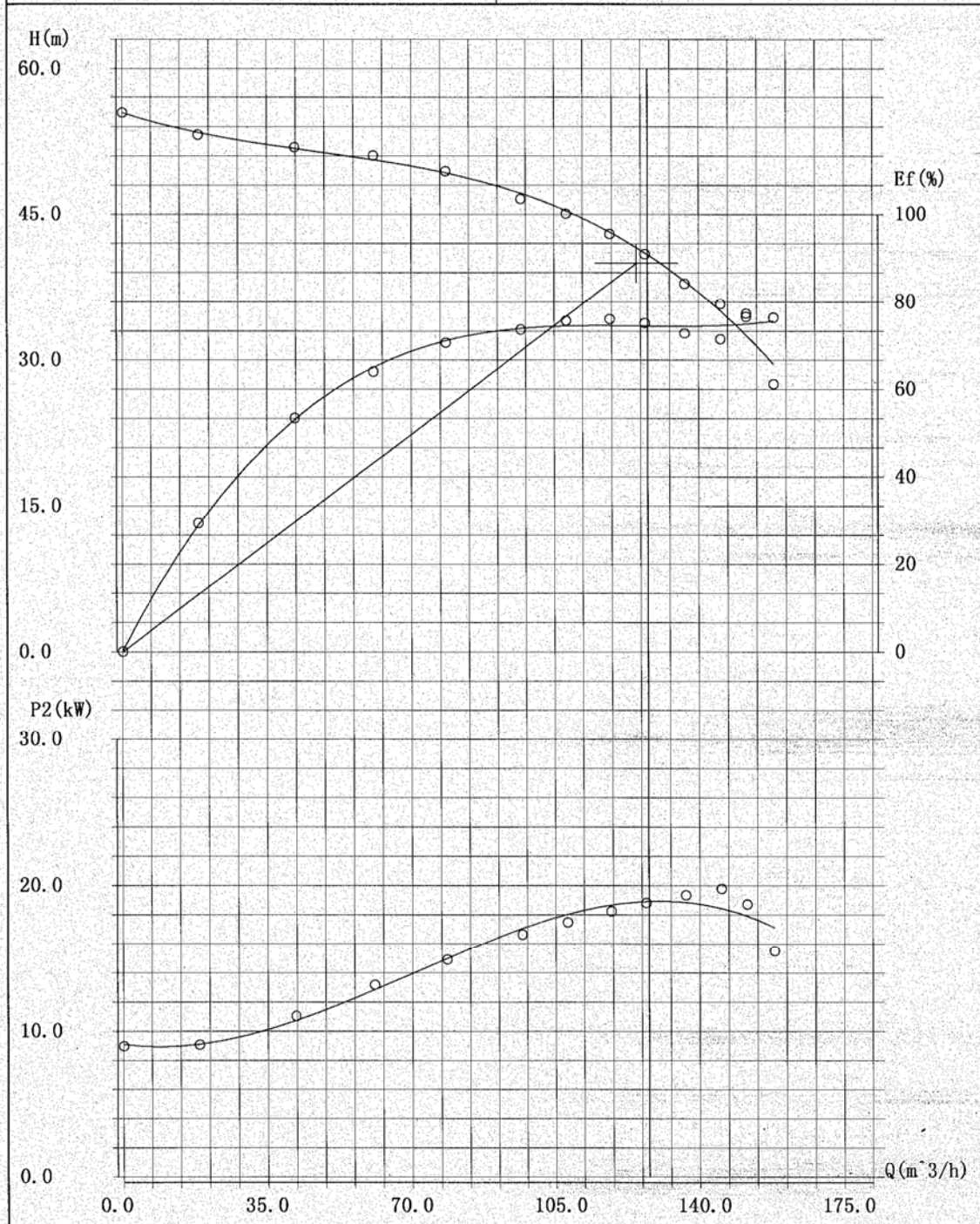
泵性能曲线

	流量(m^3/h)	扬程(m)	功率(kW)	转速(r/min)	效率(%)
规定值	125.0	40.0	25.0	1800	76.0
实测值	127.709	40.867	18.924	1800	74.5

水泵型号:150VTC220-35x3 出厂编号:091 试验编号:150VTC220-35x3

十字判别:[2级]合格

效率判别=0.98 结论:[1级]合格



试验人员:

校核:

试验日期:2020-1-9



