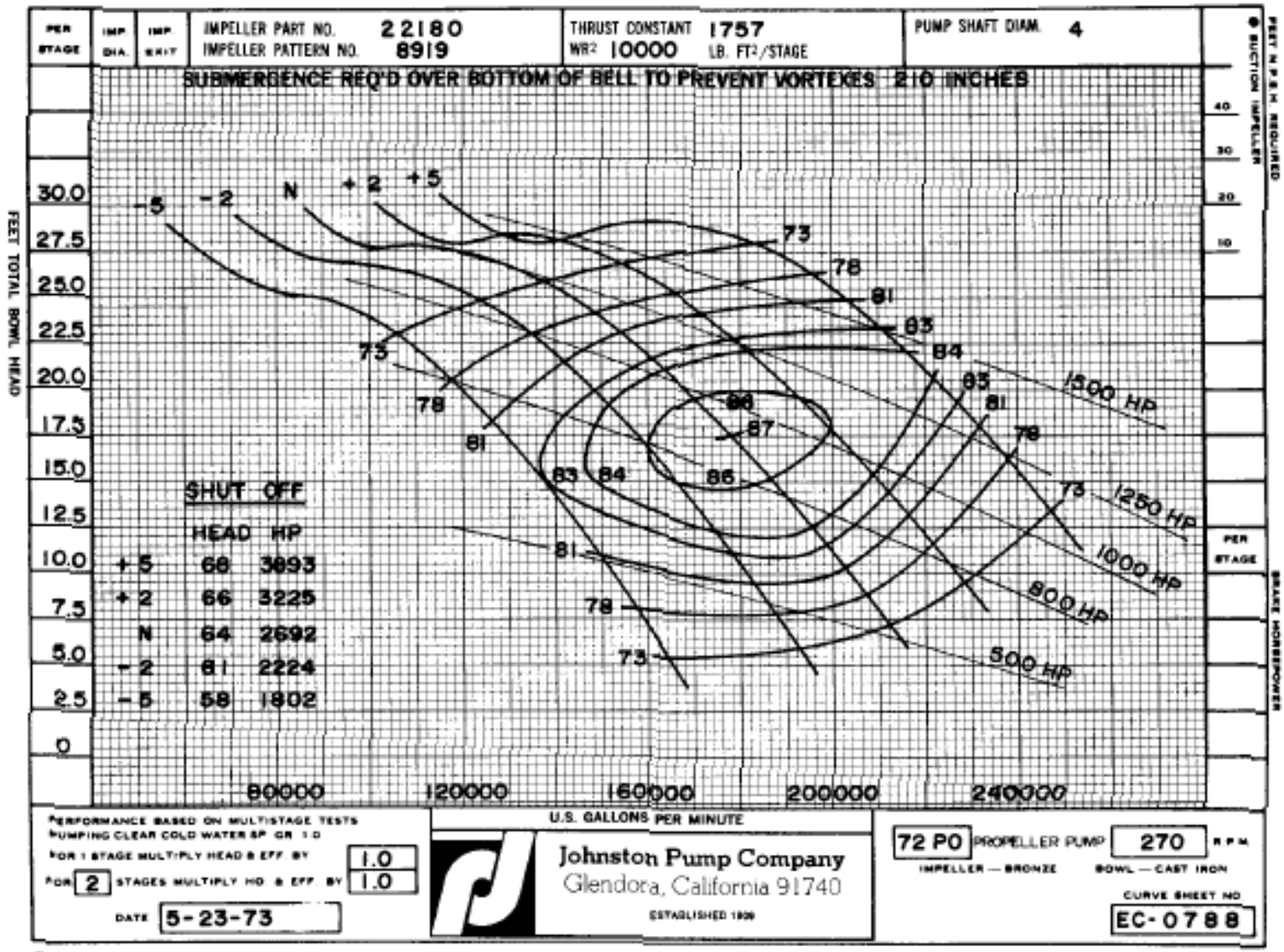
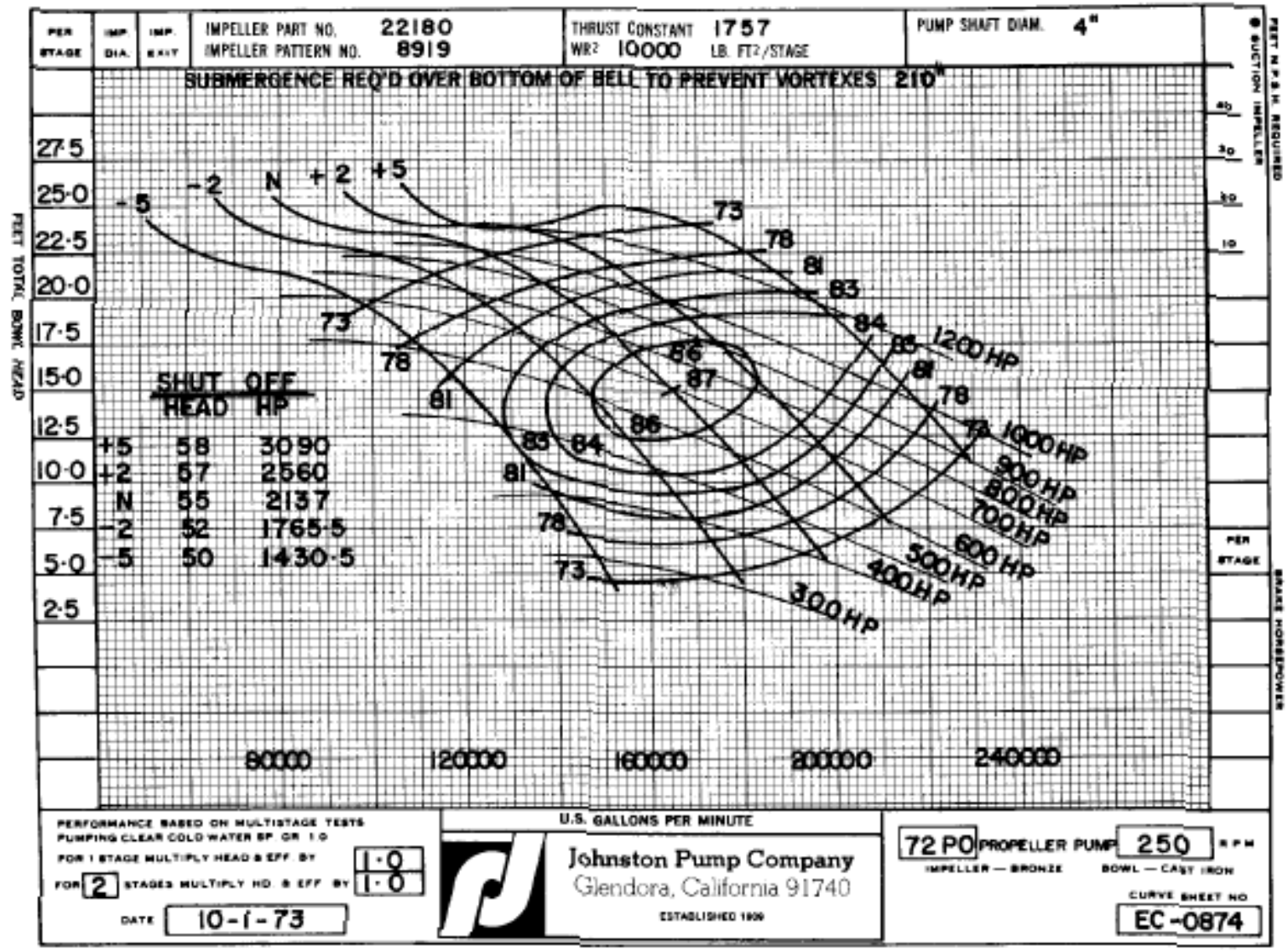

PER STAGE
IMP DIA.
IMP EXIT
IMPELLER PART NO. 22180
IMPELLER PATTERN NO. 8919
THRUST CONSTANT 1757
WR² 10000 LB. FT²/STAGE
PUMP SHAFT DIAM. 4
SUBMERGENCE REQ'D OVER BOTTOM OF BELL TO PREVENT VORTEXES 210 INCHES
FEET TOTAL BOWL HEAD
30.0
27.5
25.0
22.5
20.0
17.5
15.0
12.5
10.0
7.5
5.0
2.5
0
-5
-2
N
+2
+5
73
78
81
83
84
85
86
87
1500 HP
1250 HP
1000 HP
800 HP
500 HP
SHUT OFF
HEAD HP
+5 68 3693
+2 66 3225
N 64 2692
-2 61 2224
-5 58 1802
80000
120000
160000
200000
240000
U.S. GALLONS PER MINUTE
FEET N.P.S.H. REQUIRED
● SUCTION IMPELLER
40
30
20
10
PER STAGE
BRAKE HORSEPOWER
PERFORMANCE BASED ON MULTISTAGE TESTS PUMPING CLEAR COLD WATER SP GR 1.0
FOR 1 STAGE MULTIPLY HEAD & EFF BY 1.0
FOR 2 STAGES MULTIPLY HD & EFF BY 1.0
DATE 5-23-73
Johnston Pump Company
Glendora, California 91740
ESTABLISHED 1920
72 PO PROPELLER PUMP 270 R.P.M.
IMPELLER — BRONZE
BOWL — CAST IRON
CURVE SHEET NO
EC-0788

JP-1007


PER STAGE
IMP. DIA.
IMP. EXIT
IMPELLER PART NO. 22180
IMPELLER PATTERN NO. 8919
THRUST CONSTANT 1757
WR² 10000 LB. FT²/STAGE
PUMP SHAFT DIAM. 4"
SUBMERGENCE REQ'D OVER BOTTOM OF BELL TO PREVENT VORTEXES 210"
FEET TOTAL BOWL HEAD
27·5
25·0
22·5
20·0
17·5
15·0
12·5
10·0
7·5
5·0
2·5
-5
-2
N
+2
+5
73
78
81
83
84
85
86
87
1200 HP
1000 HP
900 HP
800 HP
700 HP
600 HP
500 HP
400 HP
300 HP
SHUT OFF
HEAD HP
+5 58 3090
+2 57 2560
N 55 2137
-2 52 1765·5
-5 50 1430·5
80000
120000
160000
200000
240000
U.S. GALLONS PER MINUTE
FEET N.P.S.H. REQUIRED @ SUCTION IMPELLER
40
30
20
10
PER STAGE
BRAKE HORSEPOWER
PERFORMANCE BASED ON MULTISTAGE TESTS
PUMPING CLEAR COLD WATER SP. GR. 1.0
FOR 1 STAGE MULTIPLY HEAD & EFF. BY 1·0
FOR 2 STAGES MULTIPLY HD. & EFF. BY 1·0
DATE 10-1-73
Johnston Pump Company
Glendora, California 91740
ESTABLISHED 1909
72 PO PROPELLER PUMP 250 R.P.M.
IMPELLER — BRONZE BOWL — CAST IRON
CURVE SHEET NO.
EC-0874

JP-1017