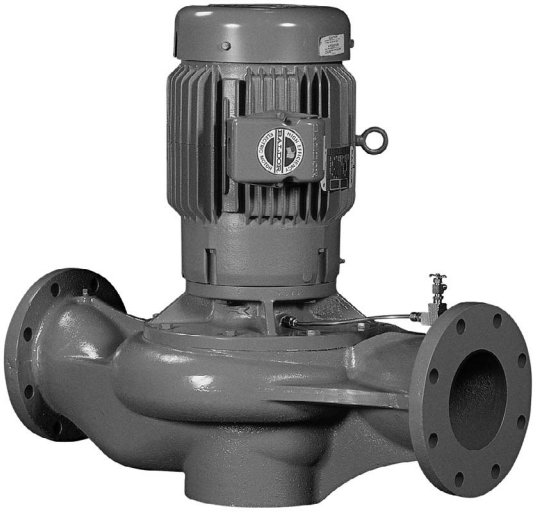
**Water Circulation**
**Pumps & Circulators**

# PERFORMANCE CURVES



**KV Vertical In-Line**
**Close Coupled Pumps**

**KS Vertical In-Line**
**Split Coupled Pumps**

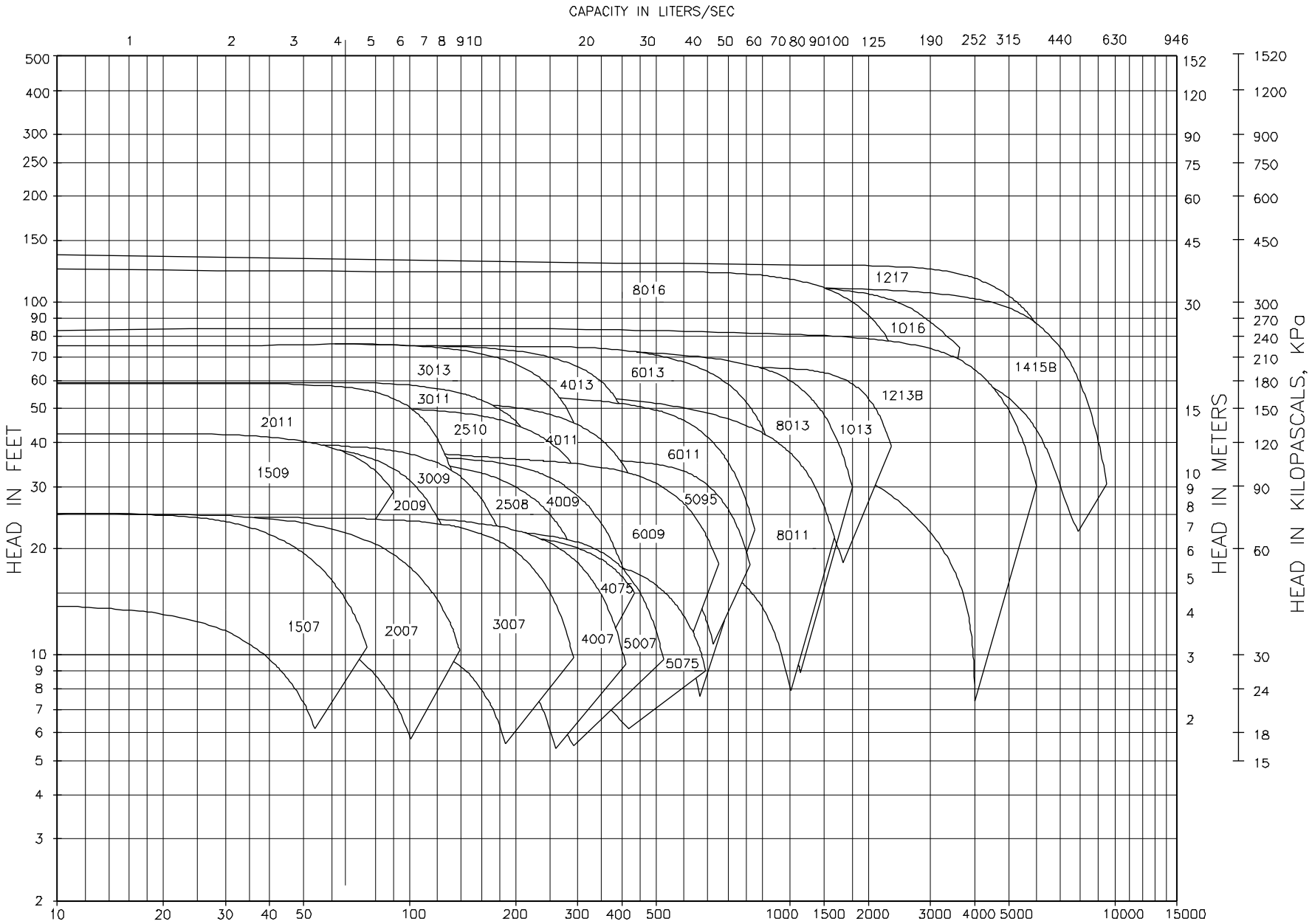
**HYDRONIC COMPONENTS & SYSTEMS**

**Do it once.**
**Do it right.**

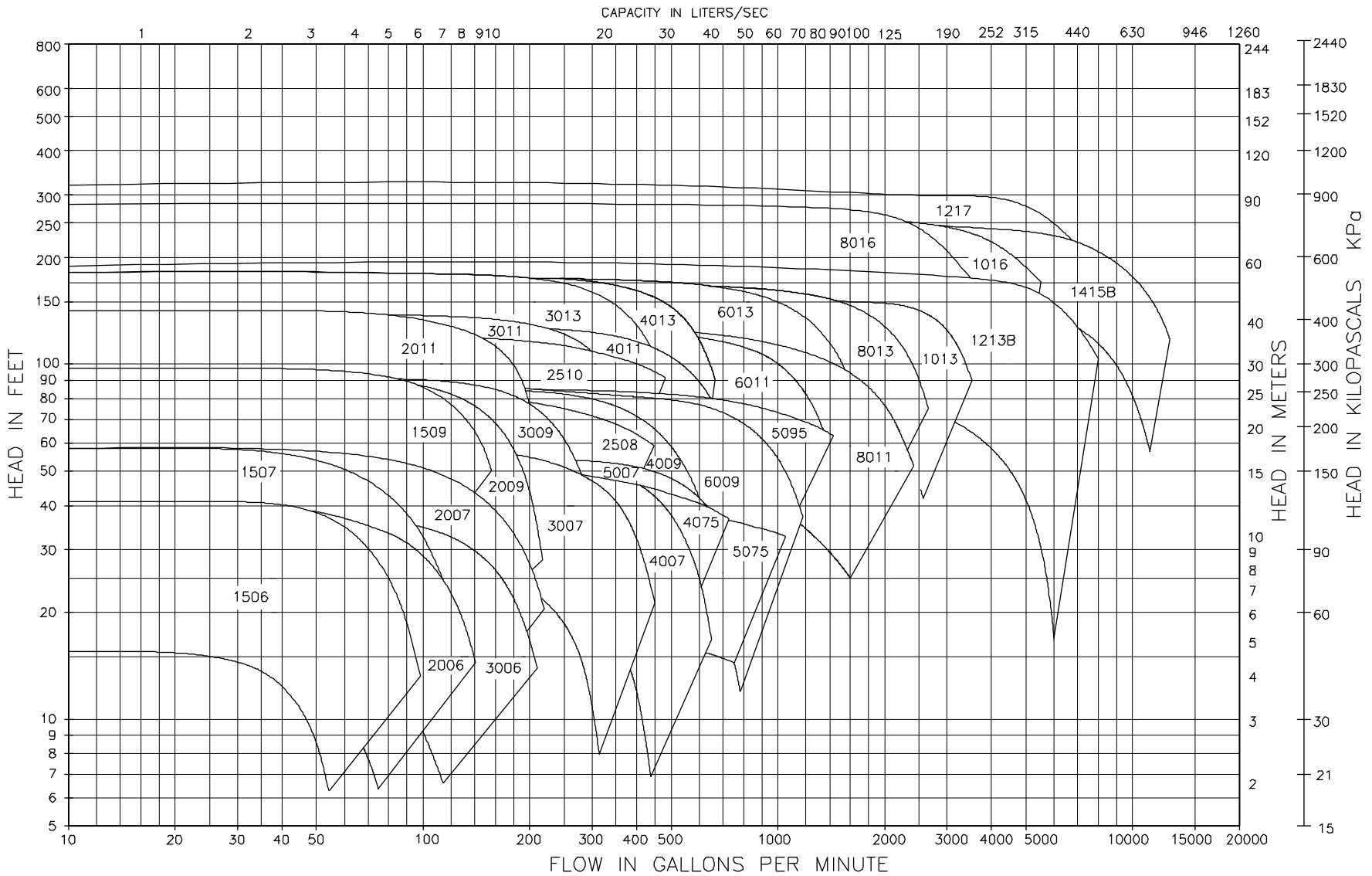
Taco®



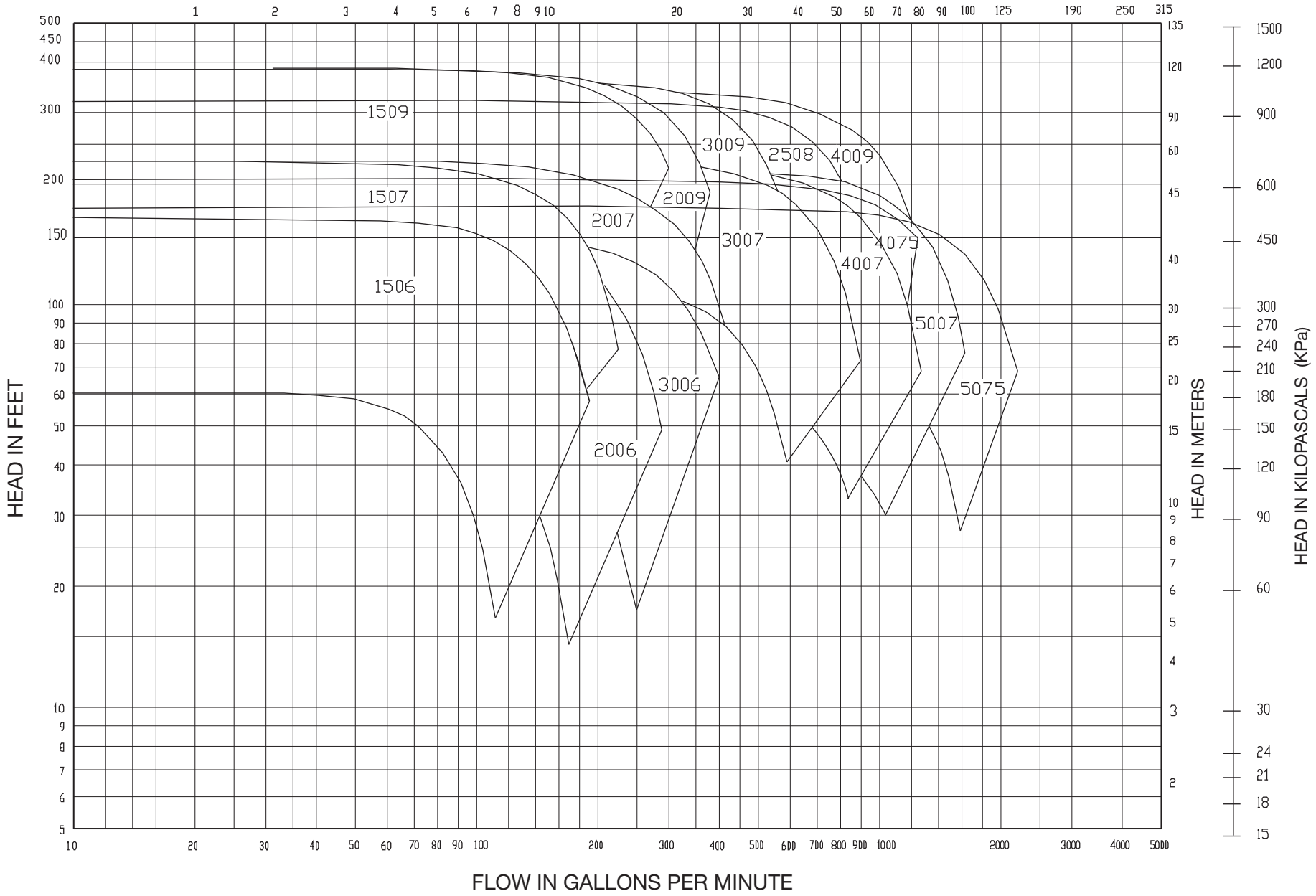
Effective Date March 1, 2012 (Supersedes January 31, 2004)



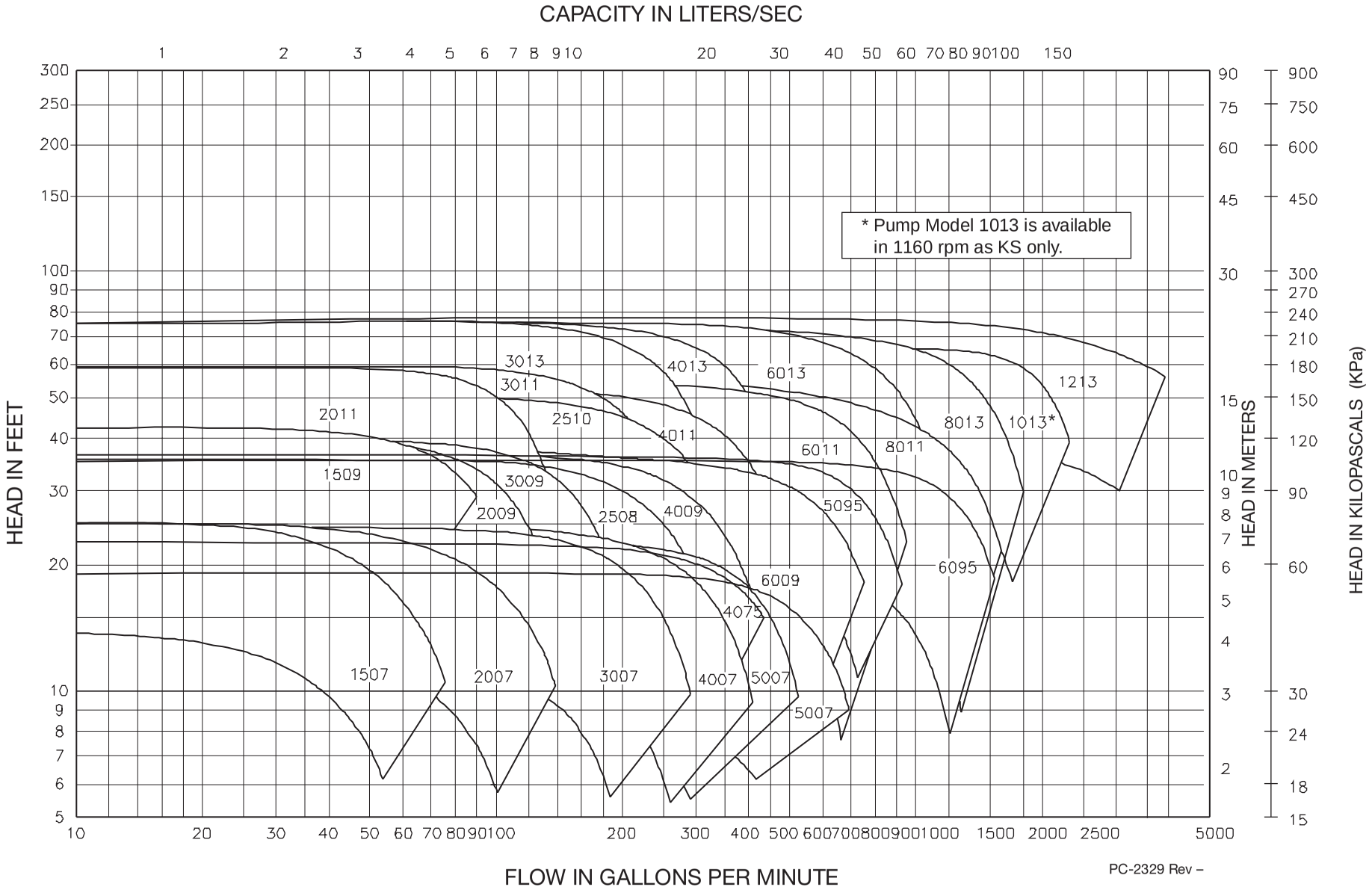

KS QUICK SELECTION CURVE @ 1160RPM



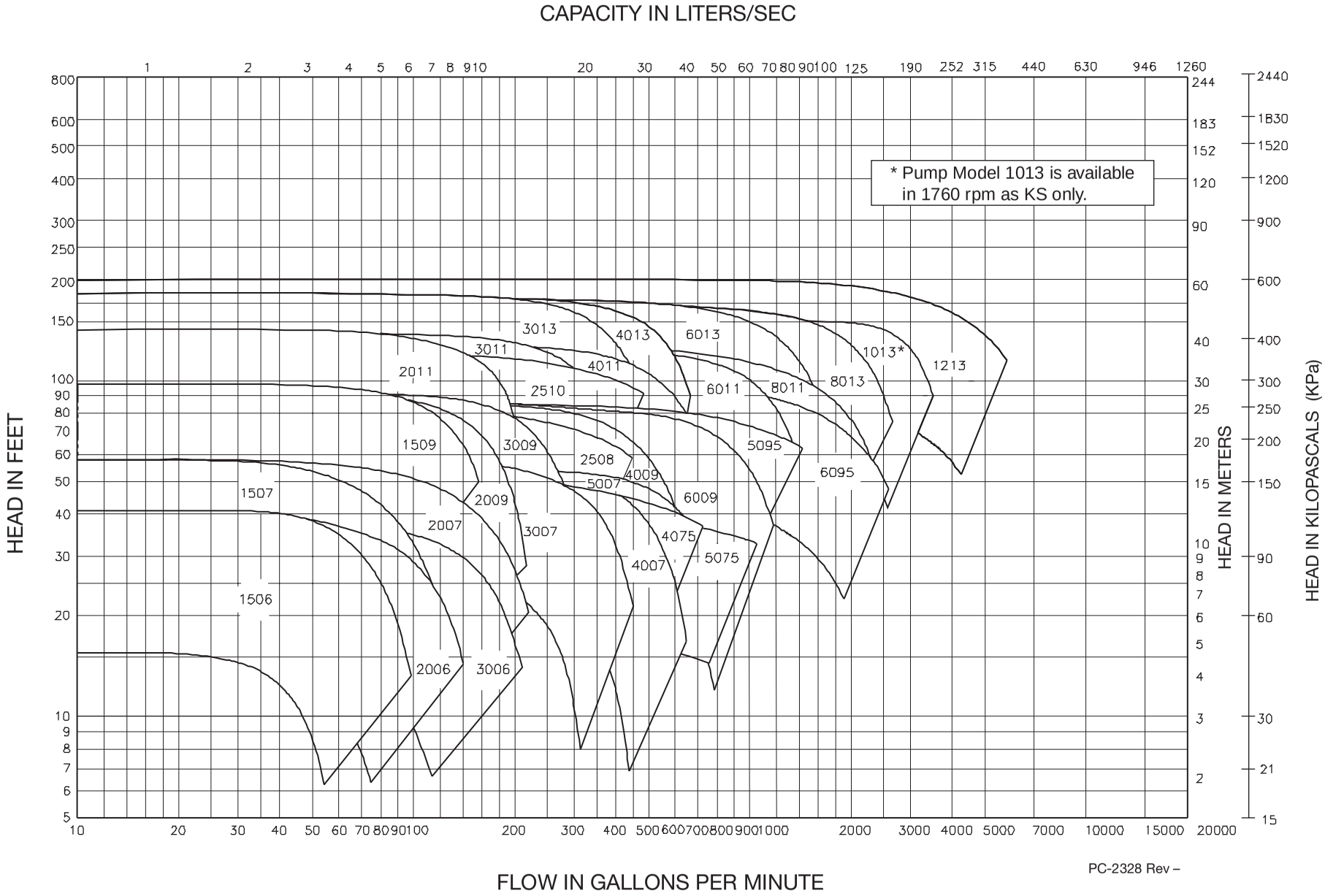

KS–QUICK SELECTION CURVE @ 1760 RPM


CAPACITY IN LITERS/SEC
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS (KPa)
FLOW IN GALLONS PER MINUTE
1509
1507
1506
2009
2007
2006
3009
3007
3006
2508
4009
4007
4075
5007
5075

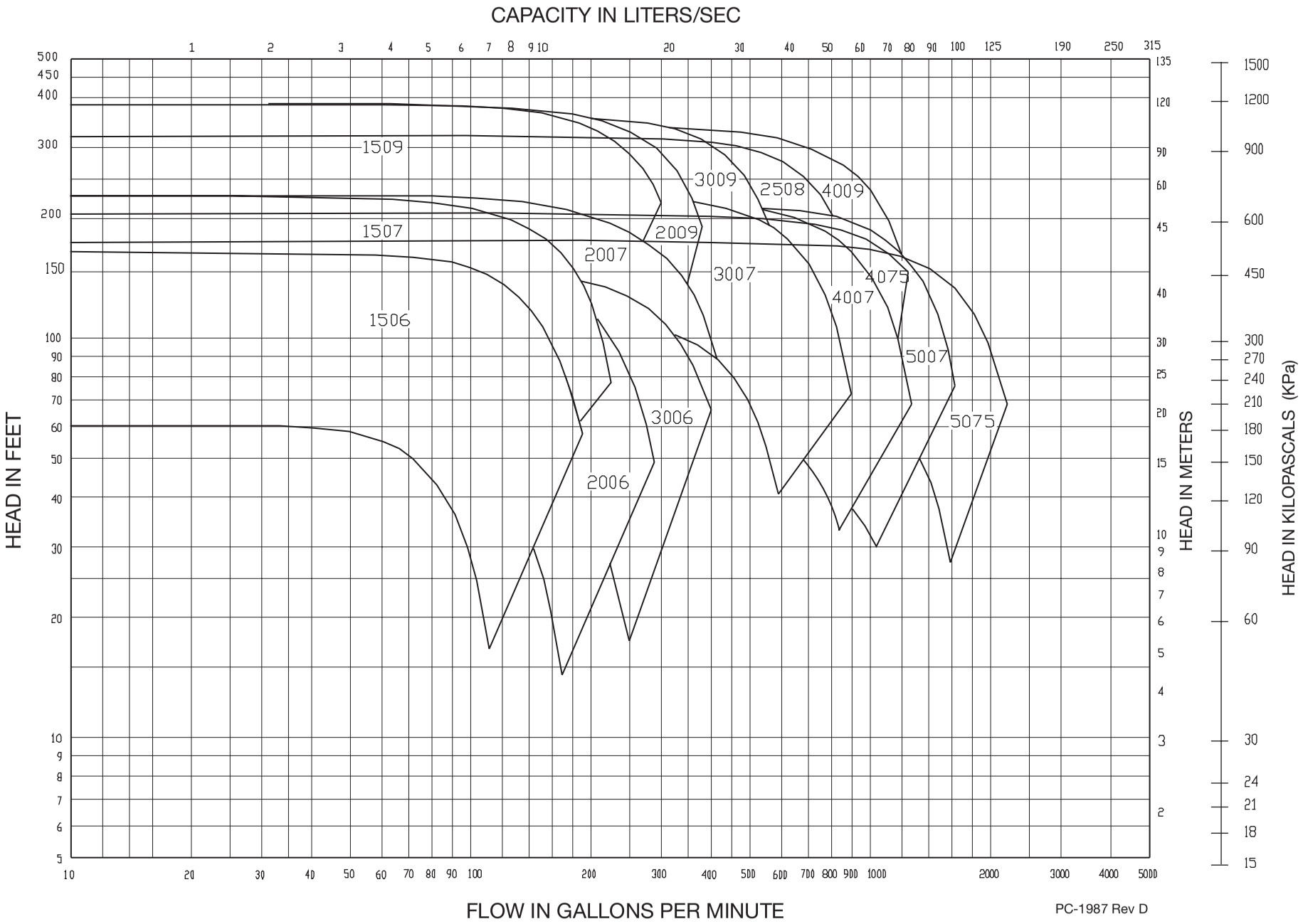
PC-1987 Rev D




# KV/KS Pump Quick Selection Curve
# 1160 RPM




# KV/KS Pump Quick Selection Curve
# 1760 RPM




# KV/KS Pump Quick Selection Curve
# 3500 RPM

# CORRECTION FACTORS FOR OTHER SPEEDS

For speeds other than 1750, hydraulic performance and B.H.P. requirements must be corrected before a selection can be made.

The following multipliers are used to correct performance and B.H.P.

| | G.P.M. | Head | B.H.P. |
|---|---|---|---|
| 1150 to 1750 | 1.52 | 2.31 | |
| 1750 to 1150 | | | .28 |
| 1450 to 1750 | 1.21 | 1.46 | |
| 1750 to 1450 | | | .58 |
| 2900 to 3450 | 1.19 | 1.42 | |
| 3450 to 2900 | | | .58 |

**Sizing Procedure**

1. Using the proper multipliers correct G.P.M. and head.
2. Make pump selection as usual using corrected performance.
3. Determine max. B.H.P. requirement for pump selected.
4. Correct B.H.P. using multiplier, to lower speed.
5. Select motor based on Step 4. Use service factor if applicable.

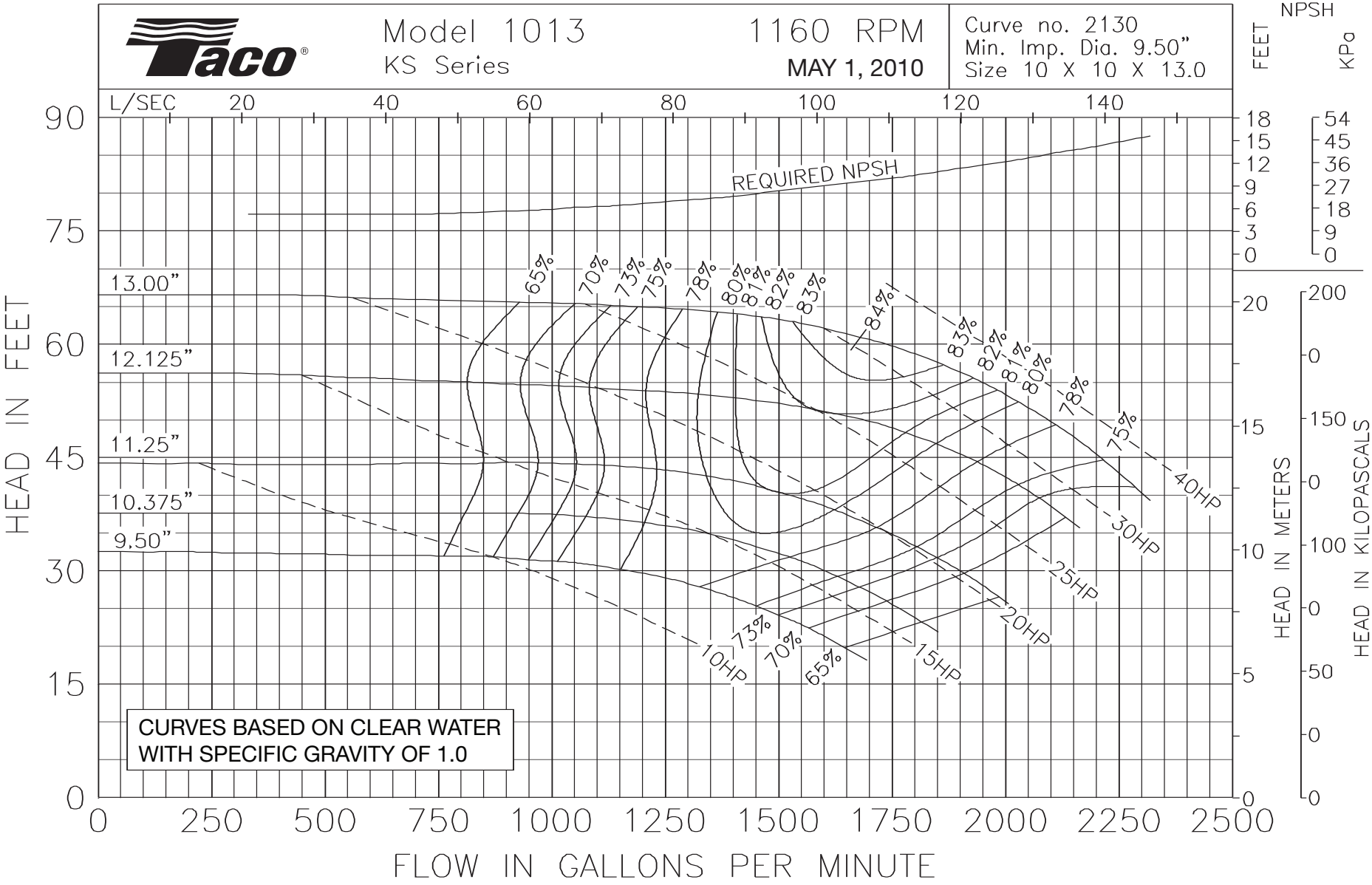
# PUMP FORMULAS

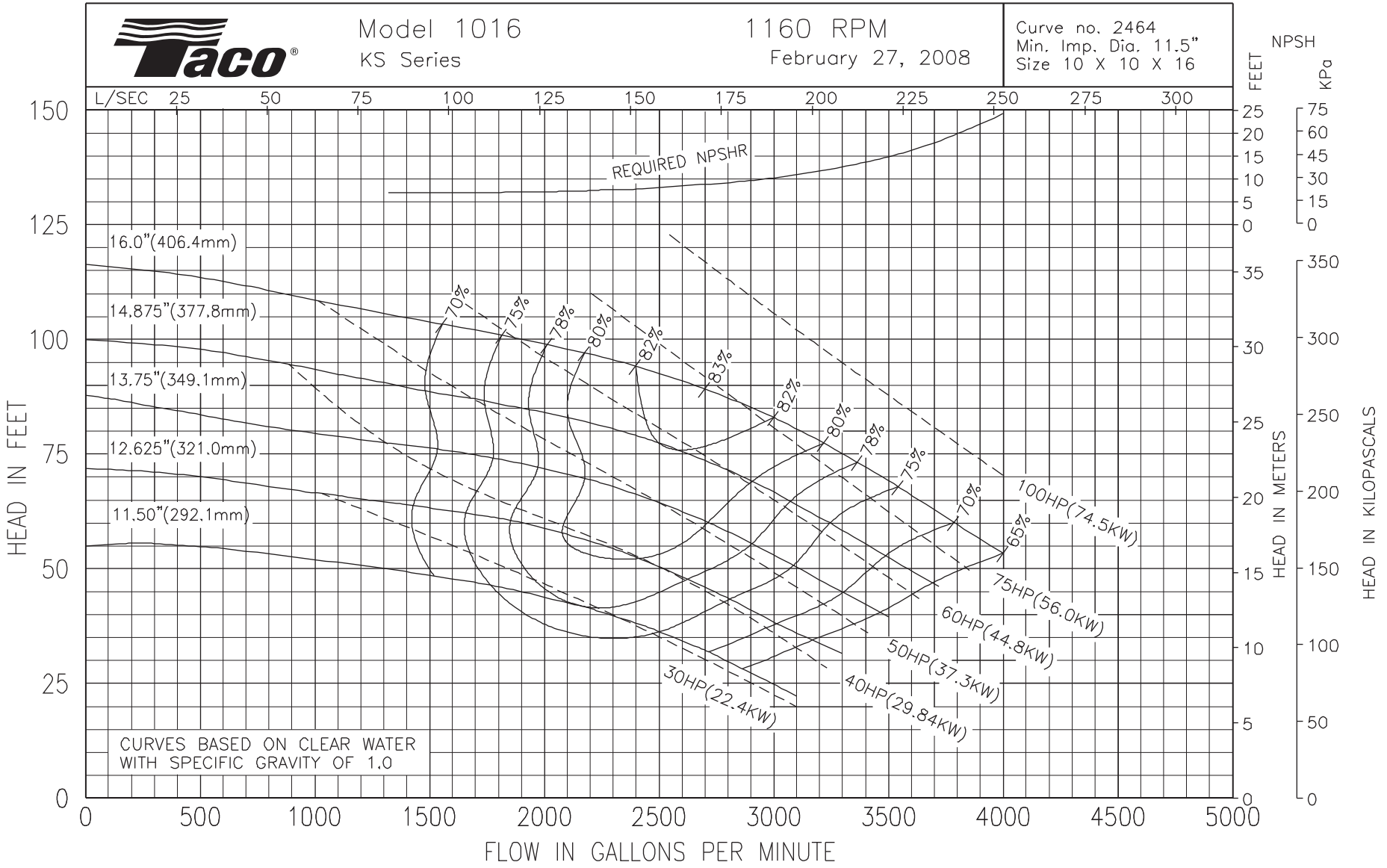
| | | |
|---|---|---|
| Pressure (PSI) | = | $\frac{\text{Head (Feet)} \times \text{Specific Gravity}}{2.31}$ |
| Head (Feet) | = | $\frac{\text{Pressure (PSI)} \times 2.31}{\text{Specific Gravity}}$ |
| Vacuum (Inches of Mercury) | = | Dynamic Suction Lift (Feet) x .883 x Specific Gravity |
| Horsepower (Brake) | = | $\frac{\text{GPM} \times \text{Head (Feet)} \times \text{Specific Gravity}}{3960 \times \text{Pump Efficiency}}$ |
| Horsepower (Water) | = | $\frac{\text{GPM} \times \text{Head (Feet)} \times \text{Specific Gravity}}{3960}$ |
| Efficiency (Pump) | = | $\frac{\text{Horsepower (Water)} \times 100 \text{ Per Cent}}{\text{Horsepower (Brake)}}$ |
| NPSH (Available) | = | Positive Factors – Negative Factors |

## Affinity Laws: Effect of change of speed or impeller diameter on centrifugal pumps.

| | GPM Capacity | Ft. Head | BHP |
|---|---|---|---|
| Impeller Diameter Change | $Q_2 = \frac{D_2}{D_1} Q_1$ | $H_2 = \left(\frac{D_2}{D_1}\right)^2 H_1$ | $P_2 = \left(\frac{D_2}{D_1}\right)^3 P_1$ |
| Speed Change | $Q_2 = \frac{RPM_2}{RPM_1} Q_1$ | $H_2 = \left(\frac{RPM_2}{RPM_1}\right)^2 H_1$ | $P_2 = \left(\frac{RPM_2}{RPM_1}\right)^3 P_1$ |

Where Q = GPM, H = Head, P = BHP, D = Impeller Dia., RPM = Pump Speed

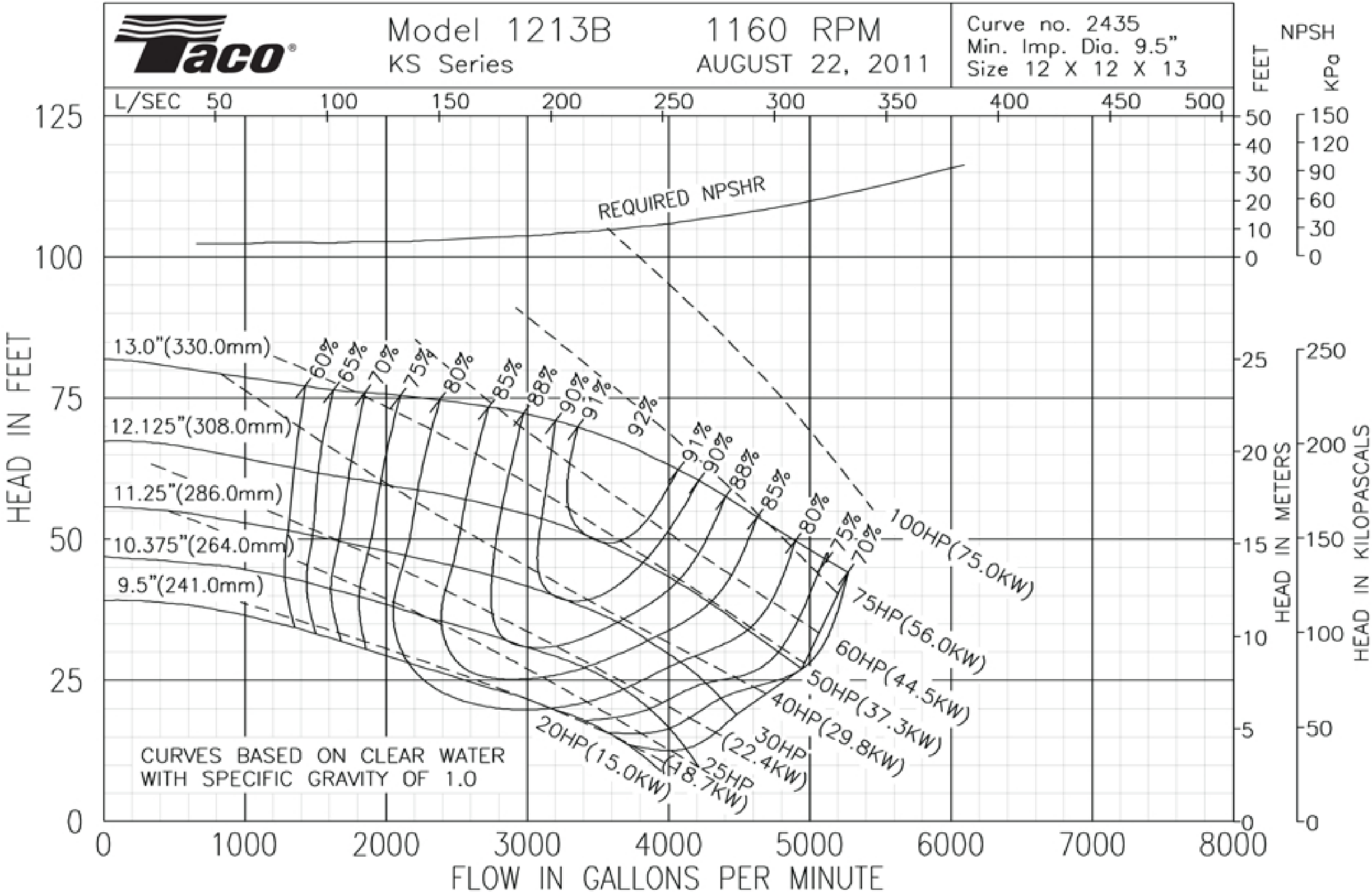

Taco
Model 1013
KS Series
1160 RPM
MAY 1, 2010
Curve no. 2130
Min. Imp. Dia. 9.50"
Size 10 X 10 X 13.0
NPSH
FEET
KPa
L/SEC
20
40
60
80
100
120
140
REQUIRED NPSH
13.00"
12.125"
11.25"
10.375"
9.50"
65%
70%
73%
75%
78%
80%
81%
82%
83%
84%
10HP
15HP
20HP
25HP
30HP
40HP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE

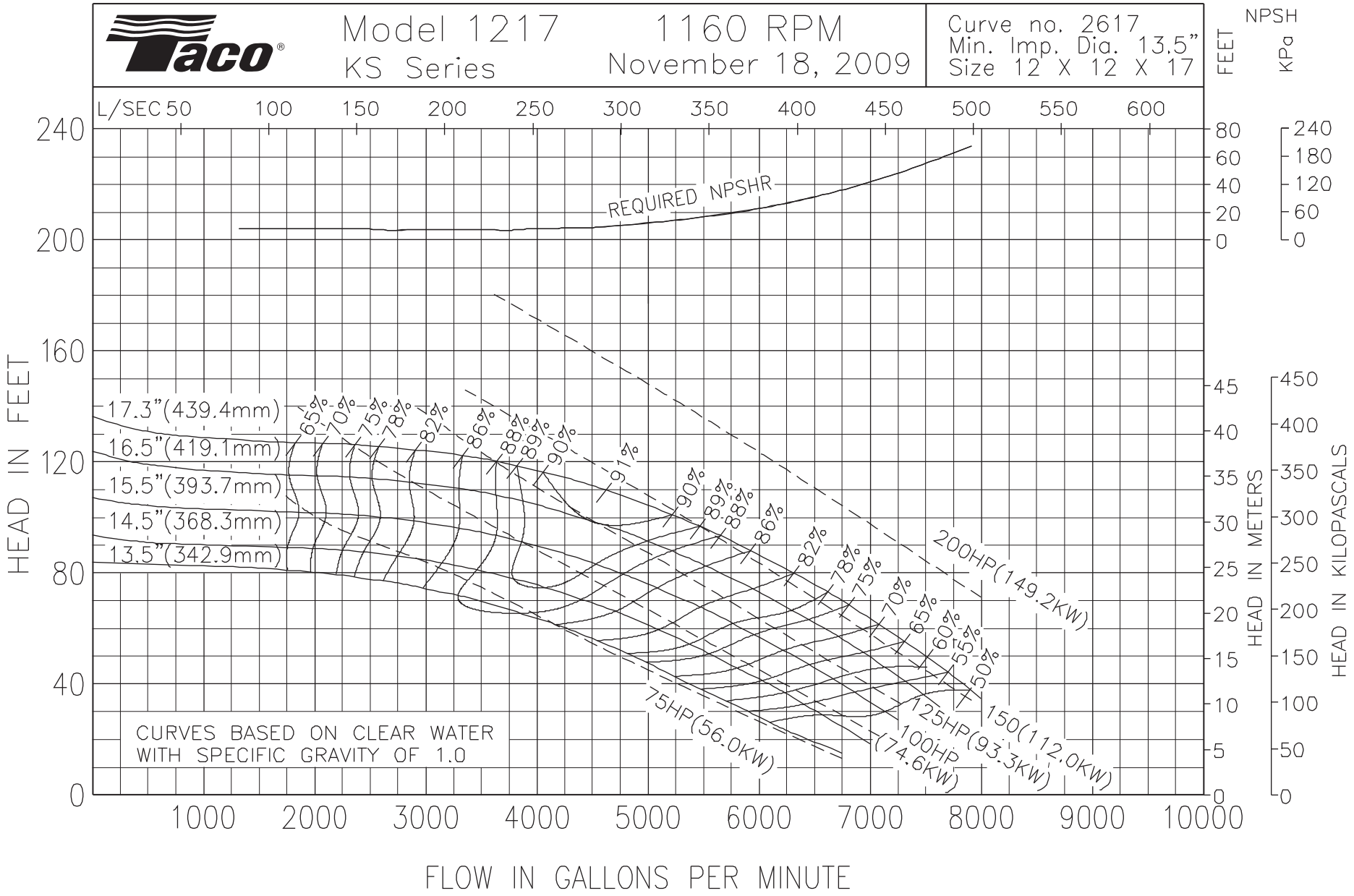

Taco
Model 1016
KS Series
1160 RPM
February 27, 2008
Curve no. 2464
Min. Imp. Dia. 11.5"
Size 10 X 10 X 16
L/SEC
NPSH
FEET
KPa
REQUIRED NPSHR
16.0"(406.4mm)
14.875"(377.8mm)
13.75"(349.1mm)
12.625"(321.0mm)
11.50"(292.1mm)
70%
75%
78%
80%
82%
83%
65%
100HP(74.5KW)
75HP(56.0KW)
60HP(44.8KW)
50HP(37.3KW)
40HP(29.84KW)
30HP(22.4KW)
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE

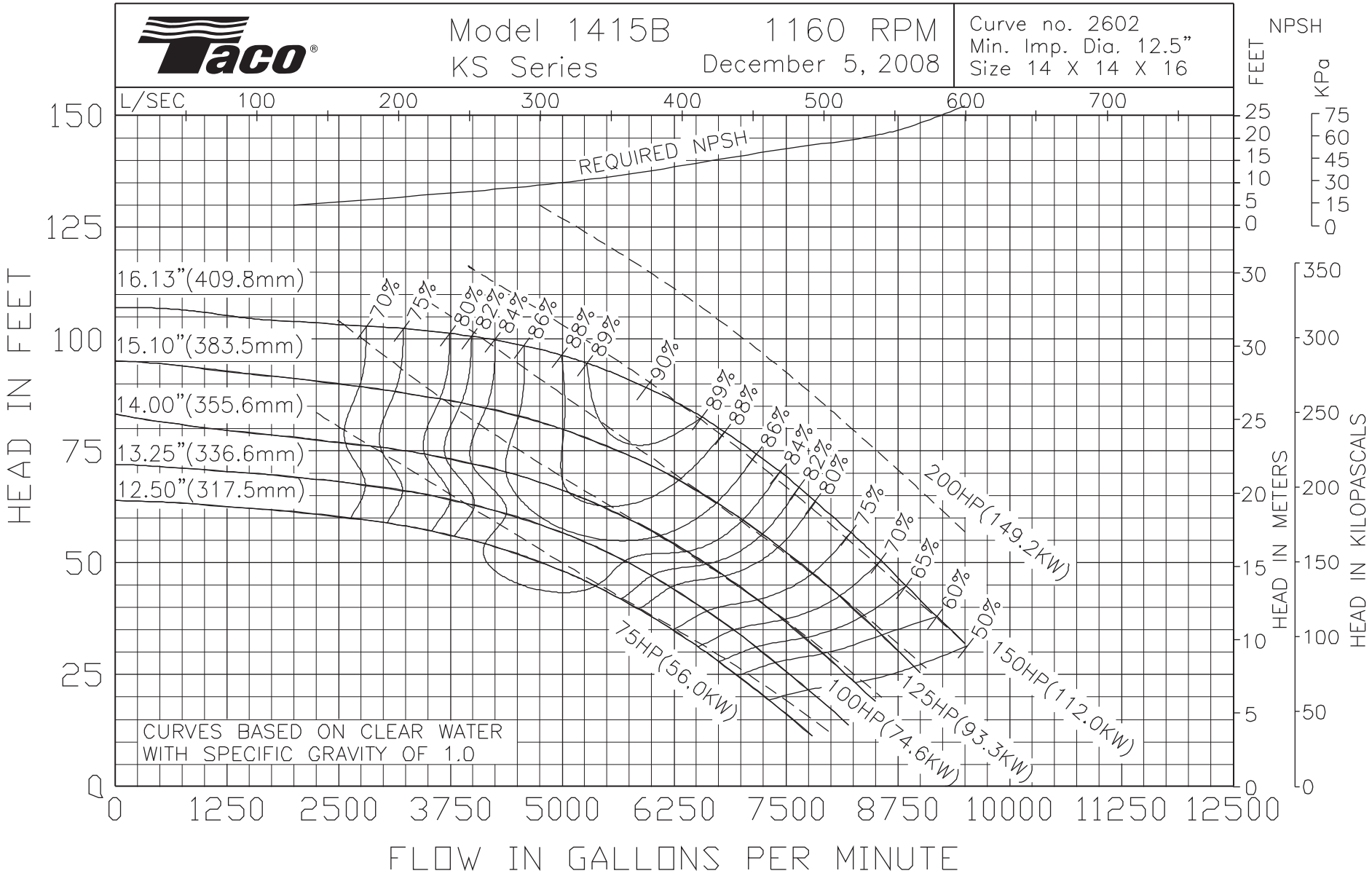
Taco®

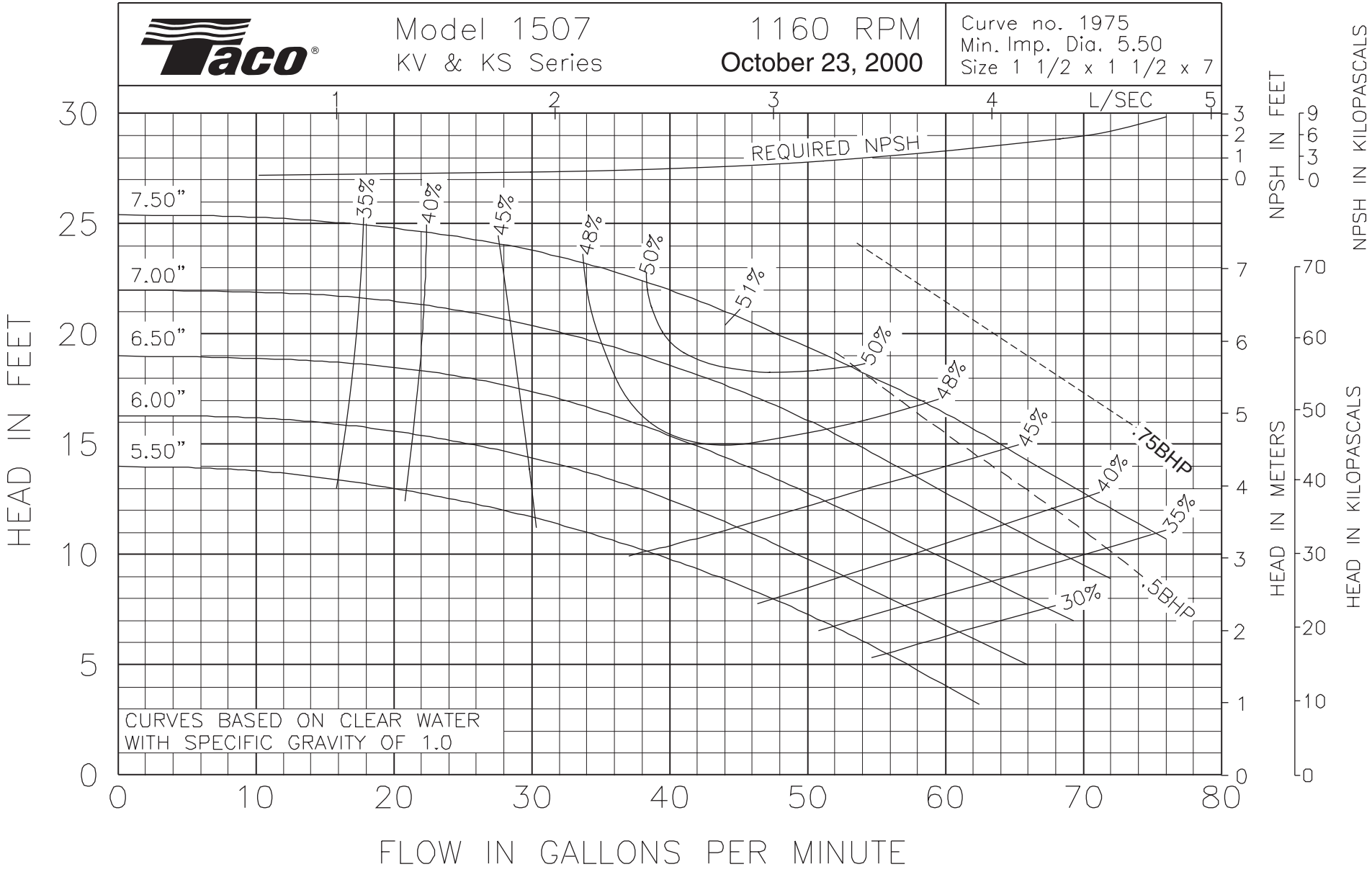
# Model 1213B 1160 RPM
KS Series AUGUST 22, 2011

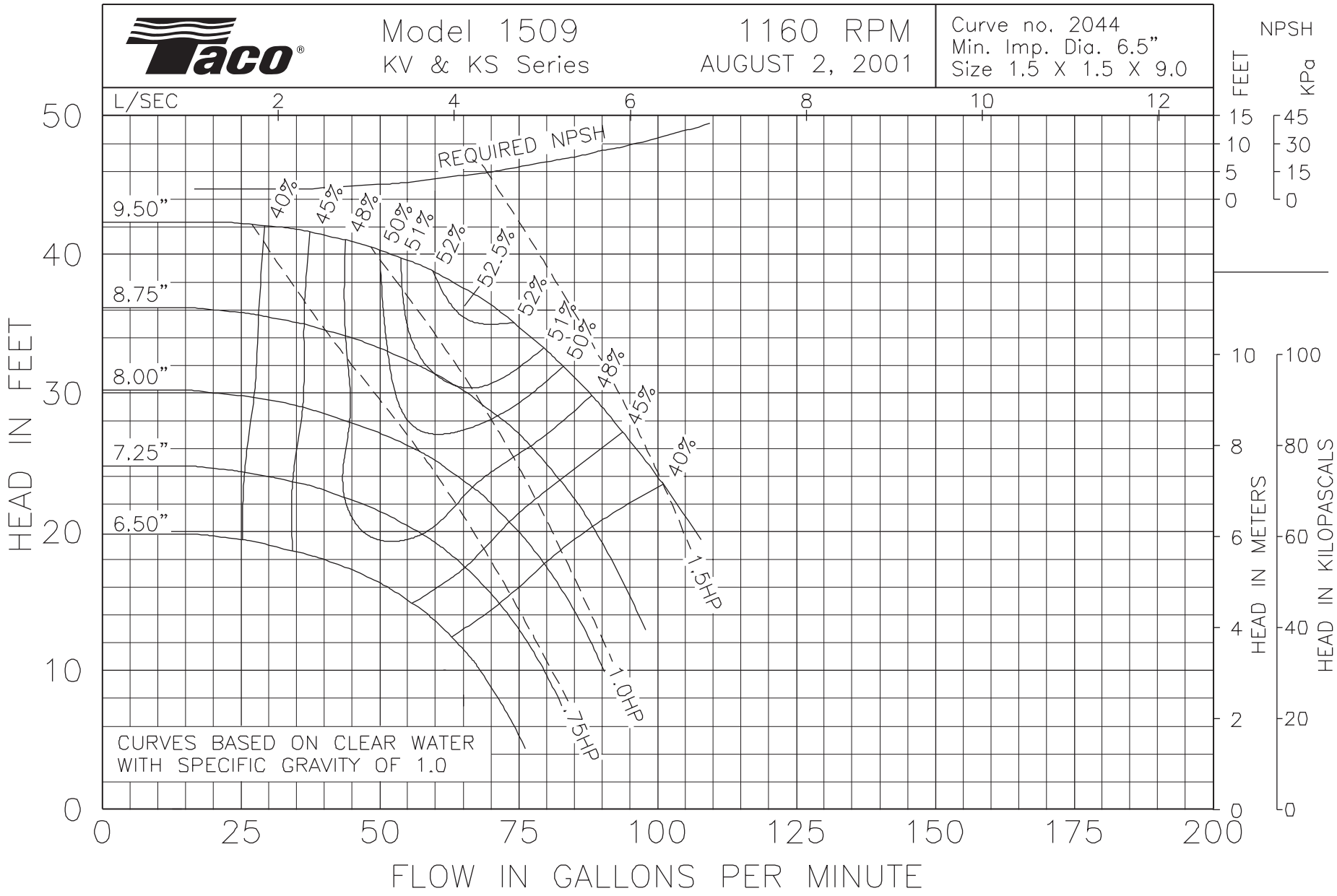
Curve no. 2435
Min. Imp. Dia. 9.5"
Size 12 X 12 X 13

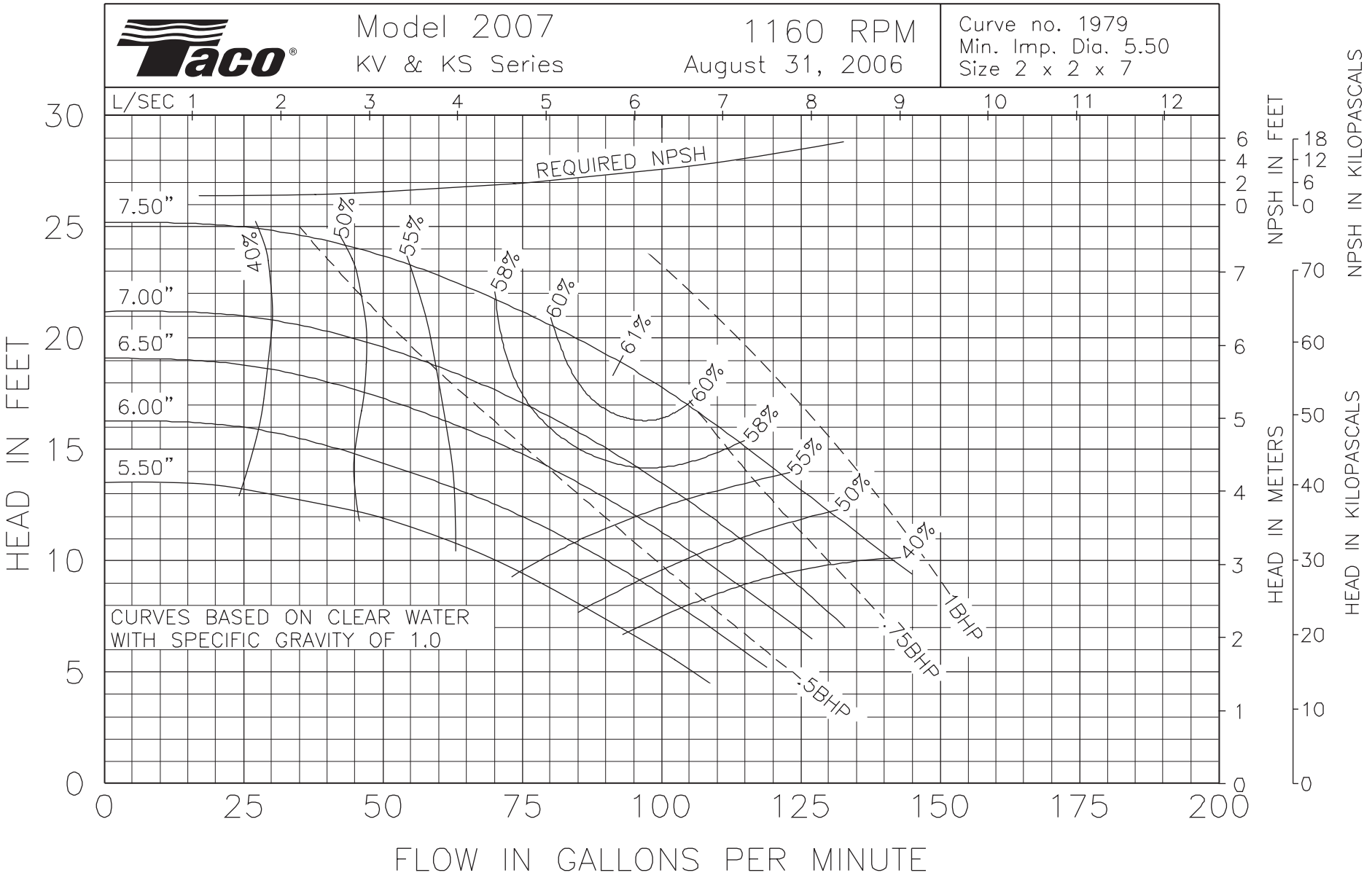


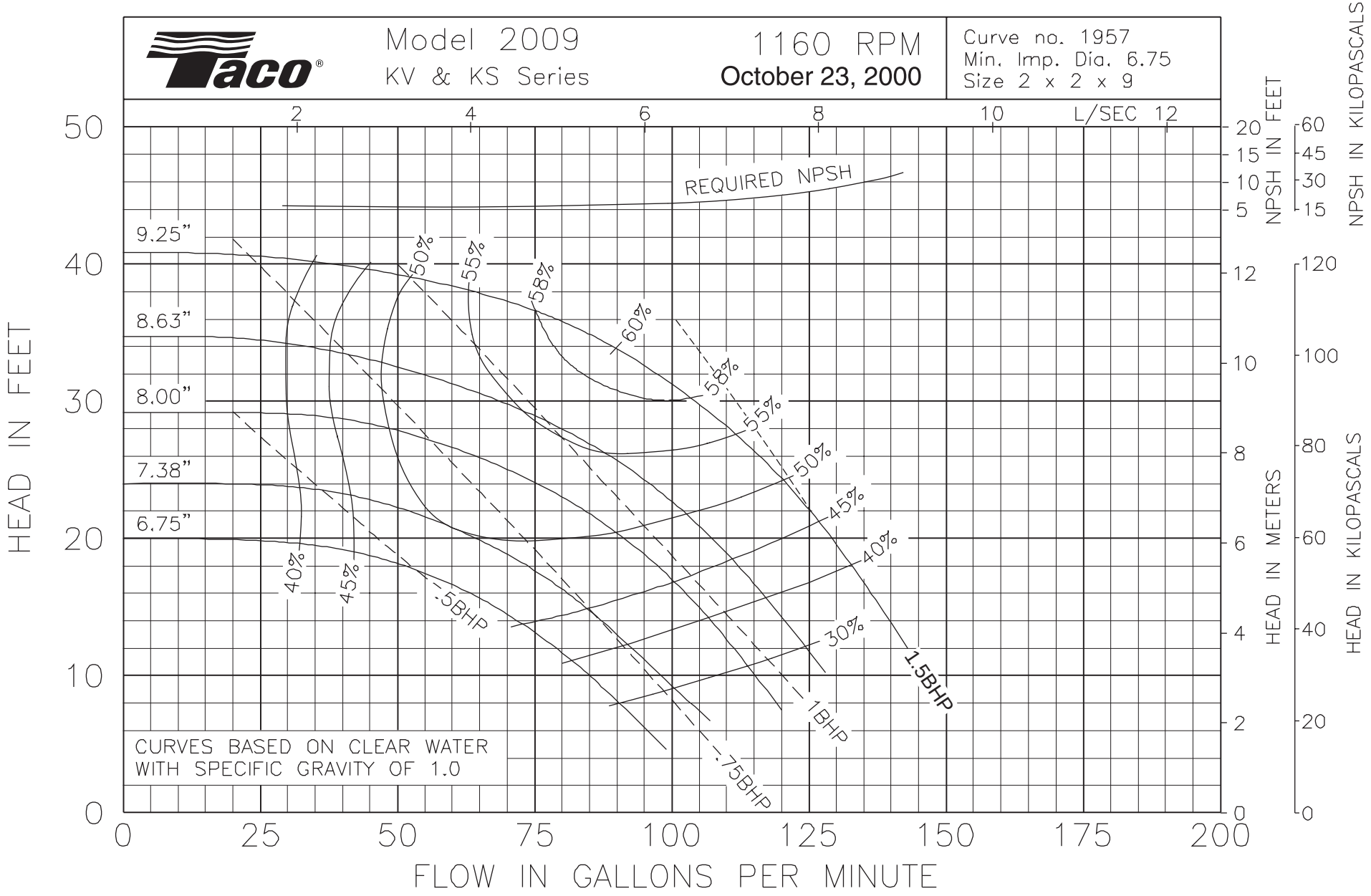

Taco
Model 1217
KS Series
1160 RPM
November 18, 2009
Curve no. 2617
Min. Imp. Dia. 13.5"
Size 12 X 12 X 17
L/SEC 50 100 150 200 250 300 350 400 450 500 550 600
FEET
NPSH
KPa
REQUIRED NPSHR
17.3"(439.4mm)
16.5"(419.1mm)
15.5"(393.7mm)
14.5"(368.3mm)
13.5"(342.9mm)
65%
70%
75%
78%
82%
86%
88%
89%
90%
91%
200HP(149.2KW)
125HP(93.3KW)
100HP(74.6KW)
75HP(56.0KW)
150(112.0KW)
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE

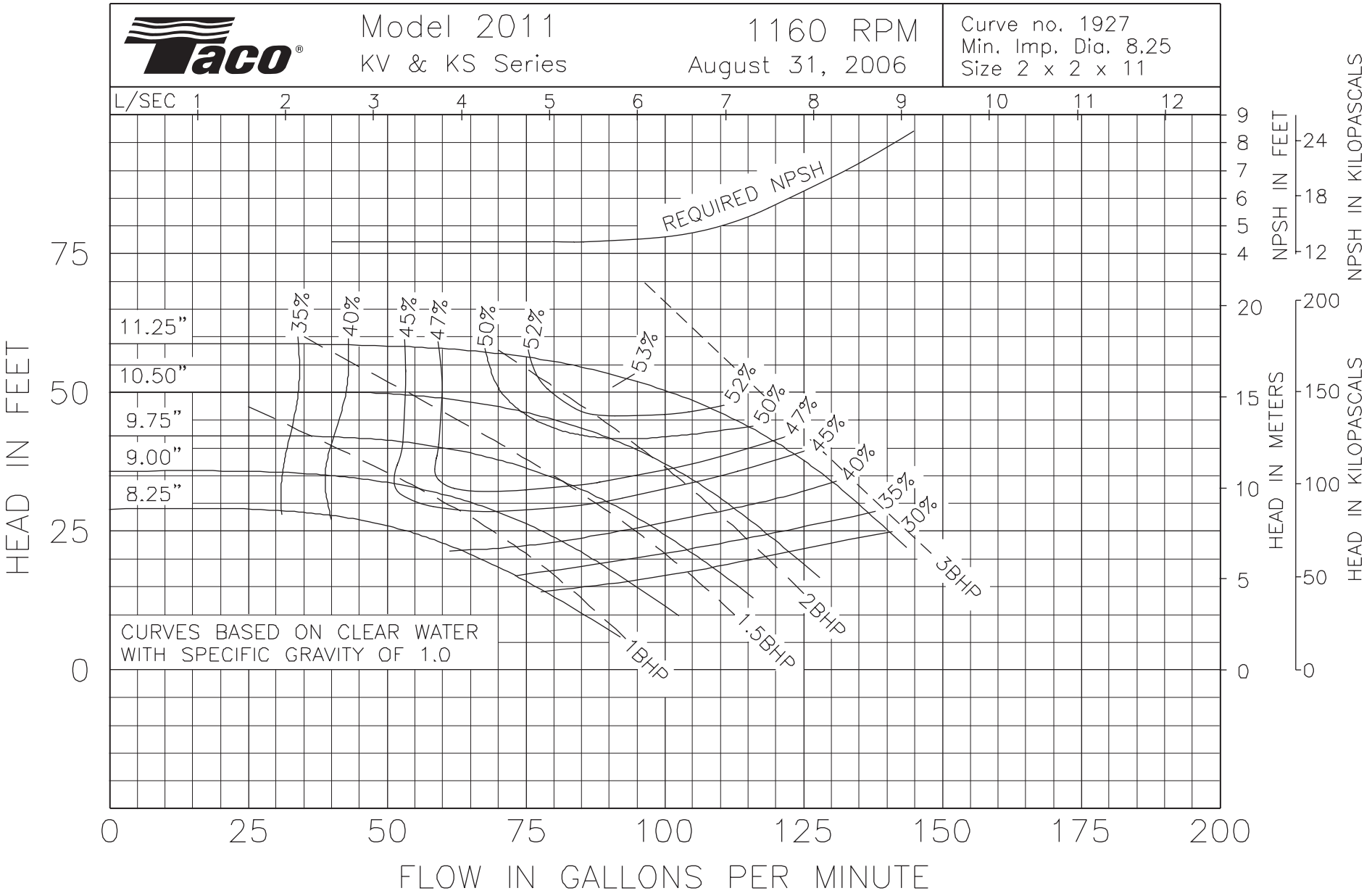

Taco
Model 1415B 1160 RPM
KS Series December 5, 2008
Curve no. 2602
Min. Imp. Dia. 12.5"
Size 14 X 14 X 16
NPSH
FEET
KPa
L/SEC 100 200 300 400 500 600 700
REQUIRED NPSH
16.13"(409.8mm)
15.10"(383.5mm)
14.00"(355.6mm)
13.25"(336.6mm)
12.50"(317.5mm)
70% 75% 80% 82% 84% 86% 88% 89% 90%
89% 88% 86% 84% 82% 80% 75% 70% 65% 60% 50%
200HP(149.2KW)
150HP(112.0KW)
125HP(93.3KW)
100HP(74.6KW)
75HP(56.0KW)
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
0 1250 2500 3750 5000 6250 7500 8750 10000 11250 12500
FLOW IN GALLONS PER MINUTE

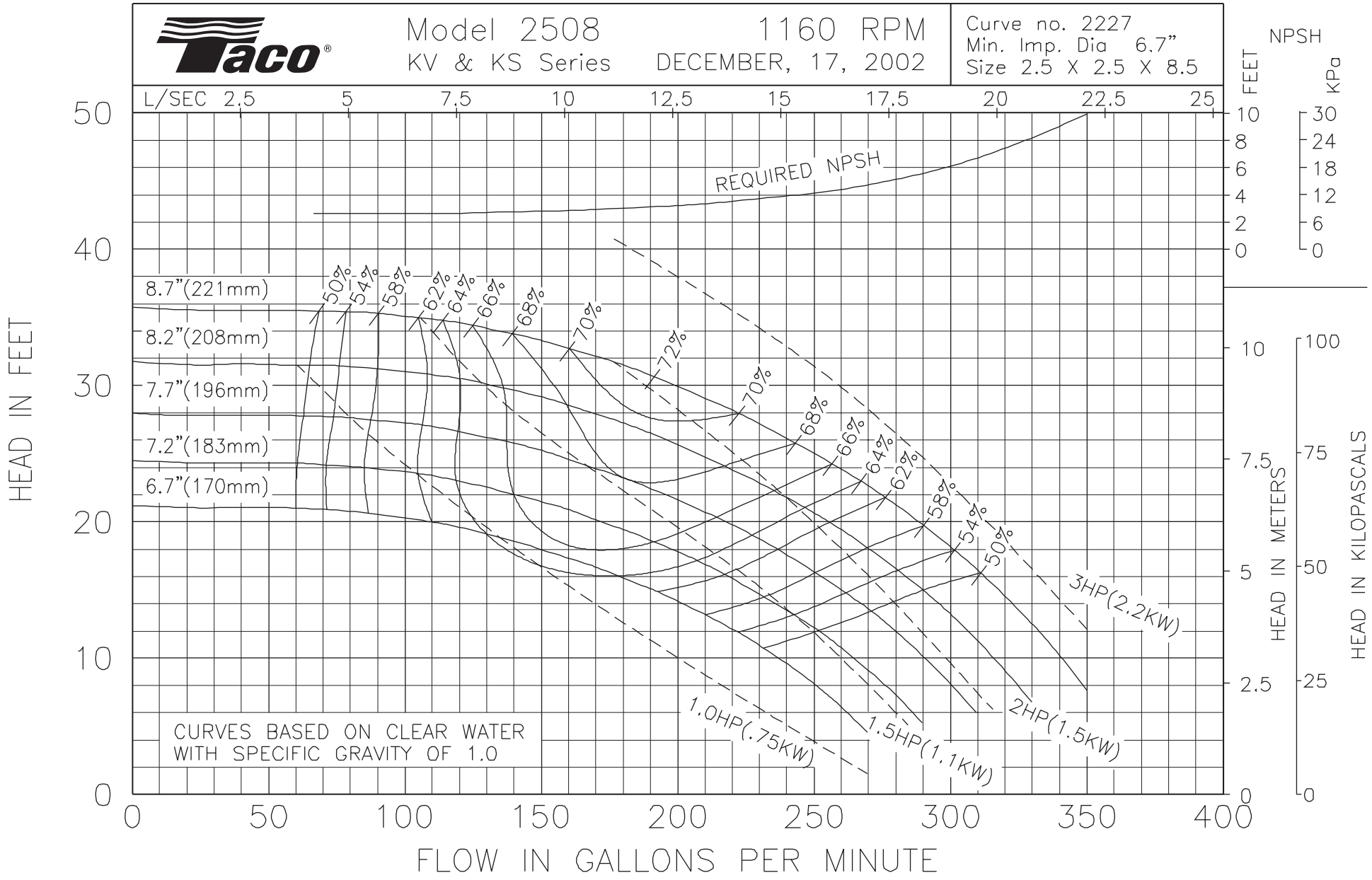

Taco
Model 1507
KV & KS Series
1160 RPM
October 23, 2000
Curve no. 1975
Min. Imp. Dia. 5.50
Size 1 1/2 x 1 1/2 x 7
L/SEC
REQUIRED NPSH
7.50"
7.00"
6.50"
6.00"
5.50"
35%
40%
45%
48%
50%
51%
.75BHP
.5BHP
30%
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
FLOW IN GALLONS PER MINUTE
NPSH IN FEET
HEAD IN METERS
NPSH IN KILOPASCALS
HEAD IN KILOPASCALS

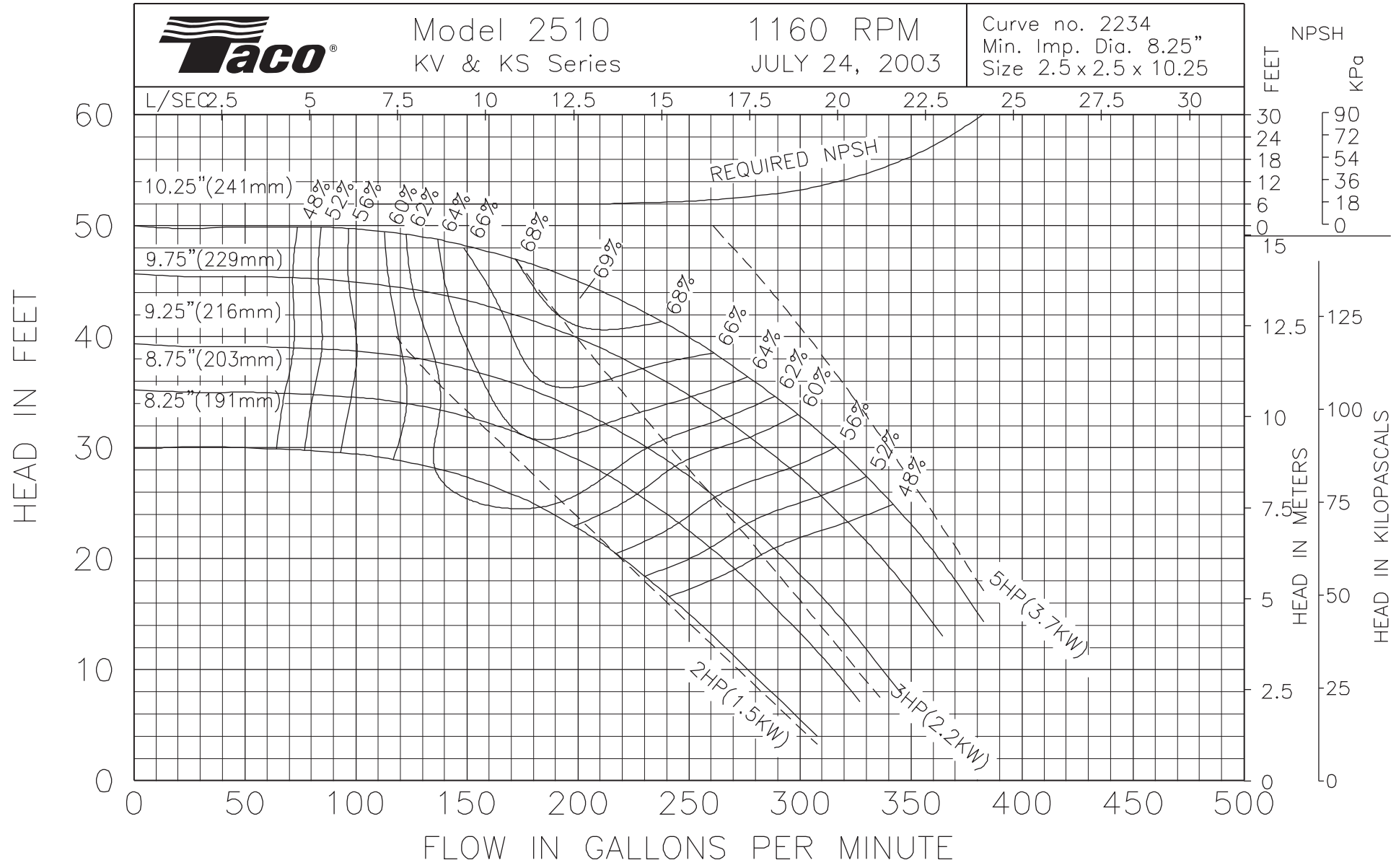

Taco
Model 1509
KV & KS Series
1160 RPM
AUGUST 2, 2001
Curve no. 2044
Min. Imp. Dia. 6.5"
Size 1.5 X 1.5 X 9.0
NPSH
FEET
KPa
L/SEC
REQUIRED NPSH
9.50"
8.75"
8.00"
7.25"
6.50"
40%
45%
48%
50%
51%
52%
52.5%
1.5HP
1.0HP
.75HP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE

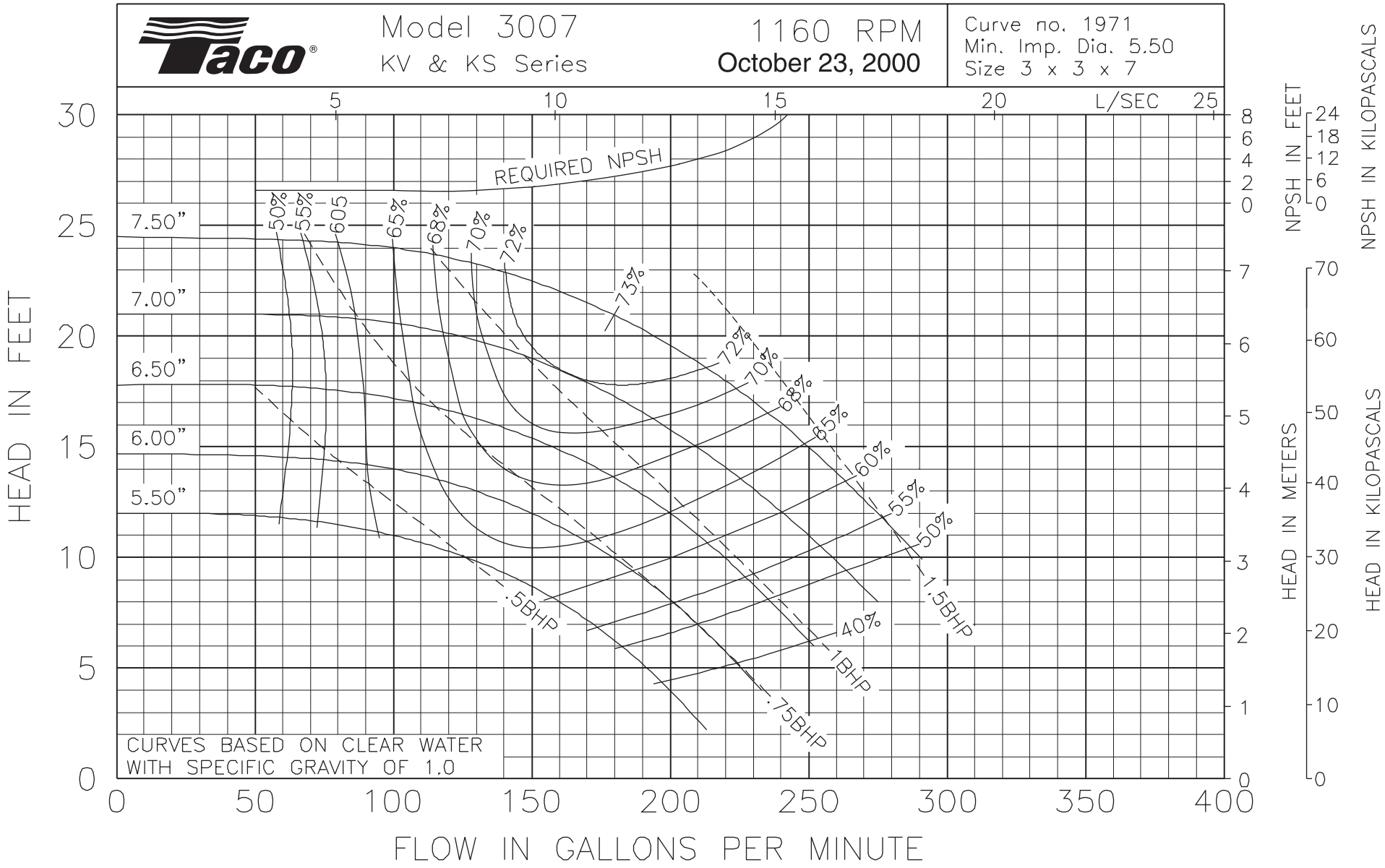

Taco
Model 2007
KV & KS Series
1160 RPM
August 31, 2006
Curve no. 1979
Min. Imp. Dia. 5.50
Size 2 x 2 x 7
L/SEC 1 2 3 4 5 6 7 8 9 10 11 12
REQUIRED NPSH
7.50"
7.00"
6.50"
6.00"
5.50"
40%
50%
55%
58%
60%
61%
60%
58%
55%
50%
40%
1BHP
.75BHP
.5BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
0 5 10 15 20 25 30
0 25 50 75 100 125 150 175 200
FLOW IN GALLONS PER MINUTE
NPSH IN FEET
0 6 12 18
HEAD IN METERS
0 1 2 3 4 5 6 7
NPSH IN KILOPASCALS
0 10 20 30 40 50 60 70

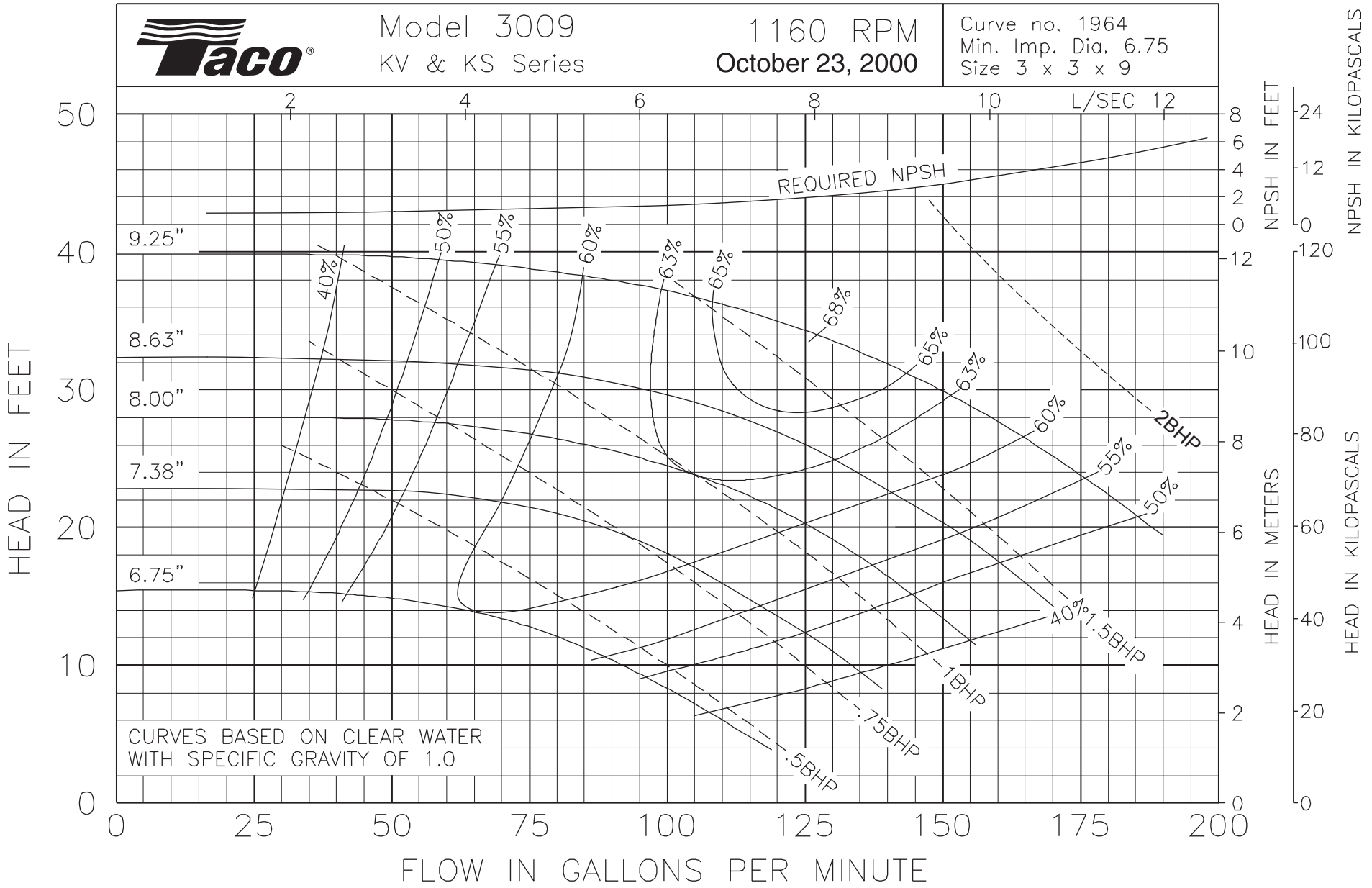

Taco
Model 2009
KV & KS Series
1160 RPM
October 23, 2000
Curve no. 1957
Min. Imp. Dia. 6.75
Size 2 x 2 x 9
L/SEC
REQUIRED NPSH
9.25"
8.63"
8.00"
7.38"
6.75"
50%
55%
58%
60%
40%
45%
.5BHP
.75BHP
1BHP
1.5BHP
30%
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
NPSH IN FEET
NPSH IN KILOPASCALS
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE

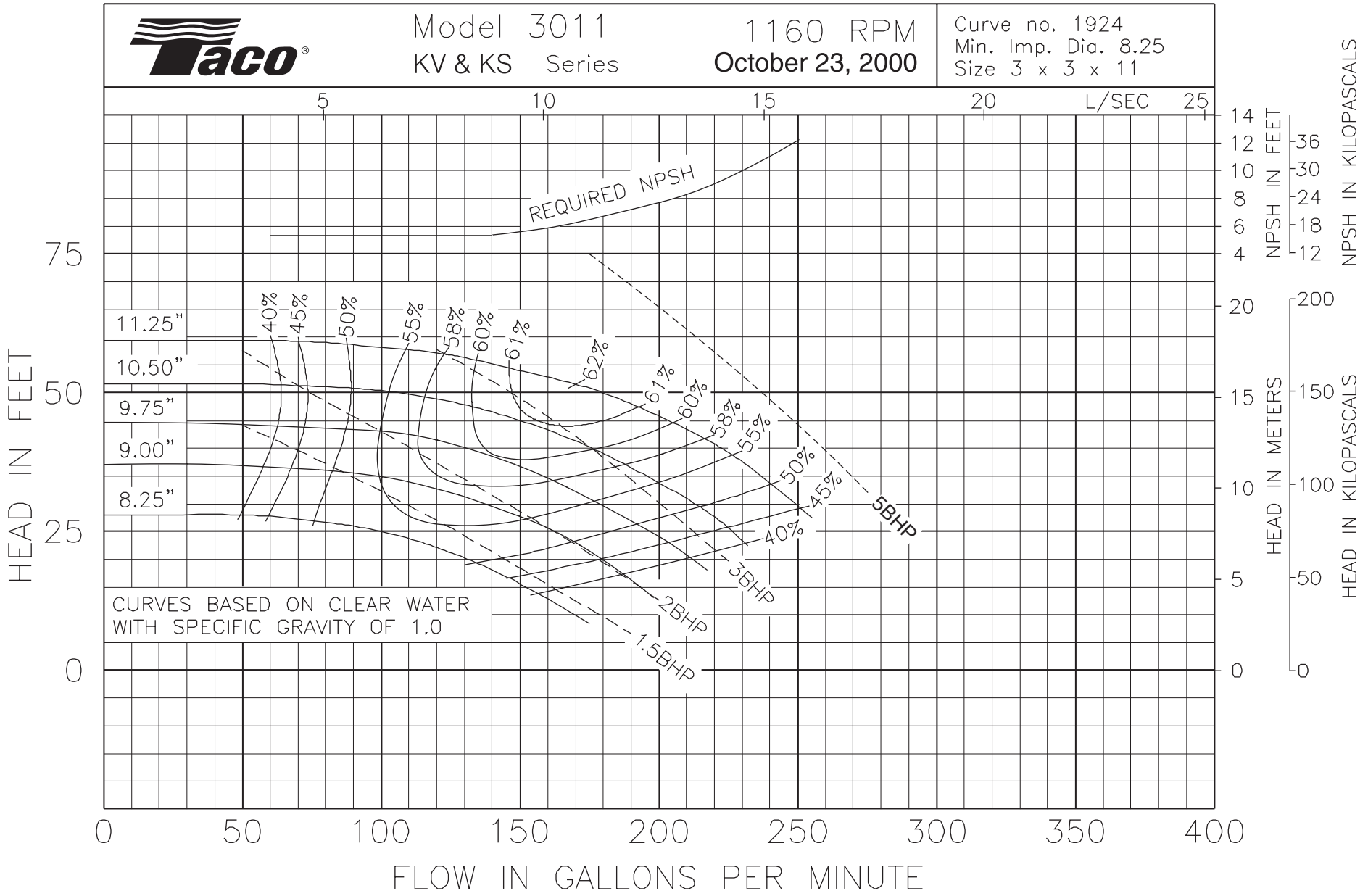

Taco
Model 2011
KV & KS Series
1160 RPM
August 31, 2006
Curve no. 1927
Min. Imp. Dia. 8.25
Size 2 x 2 x 11
L/SEC 1 2 3 4 5 6 7 8 9 10 11 12
REQUIRED NPSH
11.25"
10.50"
9.75"
9.00"
8.25"
35%
40%
45%
47%
50%
52%
53%
52%
50%
47%
45%
40%
35%
30%
1BHP
1.5BHP
2BHP
3BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
75
50
25
0
NPSH IN FEET
24
18
12
HEAD IN METERS
20
15
10
5
0
NPSH IN KILOPASCALS
200
150
100
50
0
0 25 50 75 100 125 150 175 200
FLOW IN GALLONS PER MINUTE

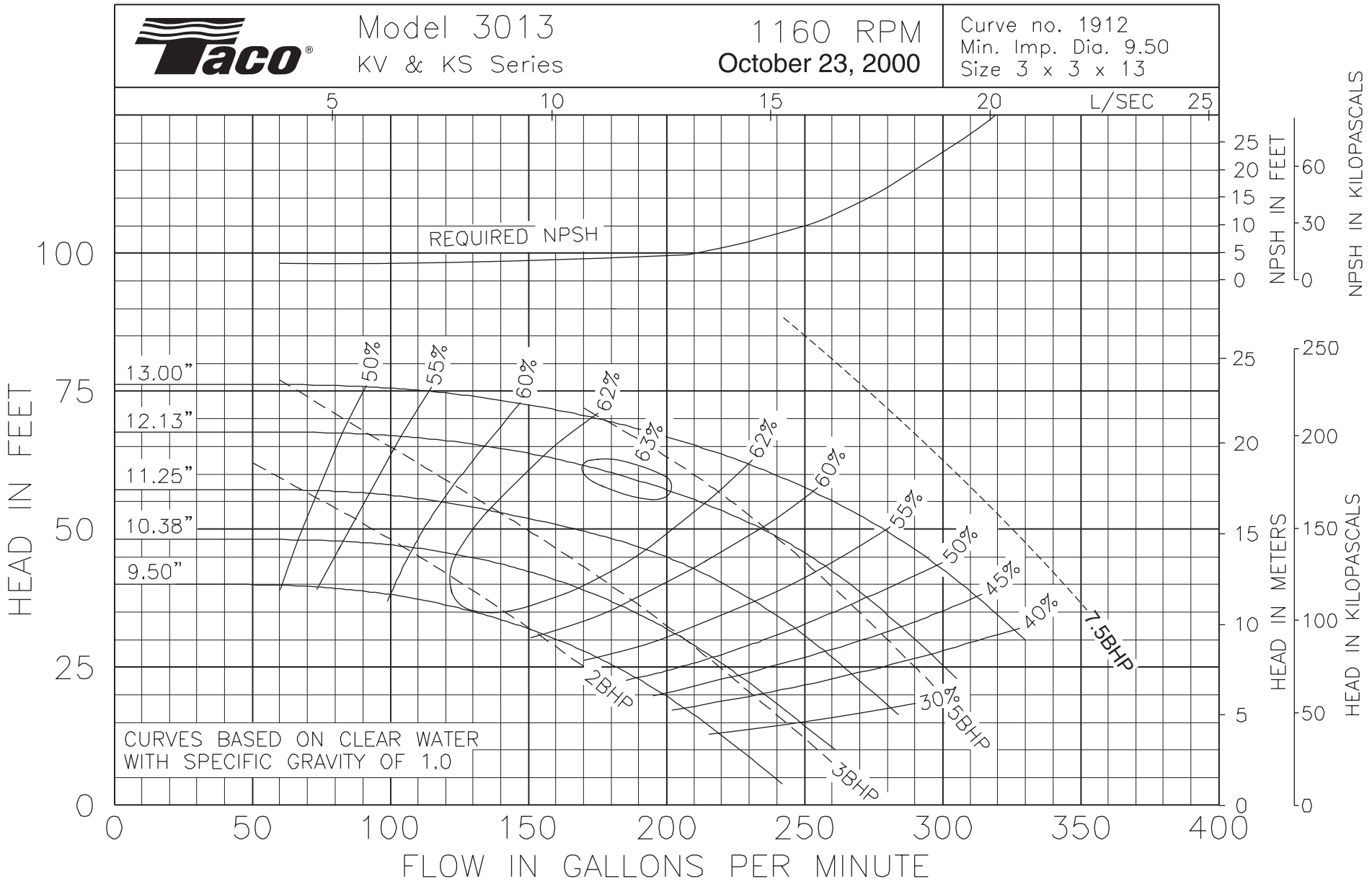

Taco
Model 2508
KV & KS Series
1160 RPM
DECEMBER, 17, 2002
Curve no. 2227
Min. Imp. Dia 6.7"
Size 2.5 X 2.5 X 8.5
NPSH
FEET
KPa
L/SEC 2.5 5 7.5 10 12.5 15 17.5 20 22.5 25
REQUIRED NPSH
8.7"(221mm)
8.2"(208mm)
7.7"(196mm)
7.2"(183mm)
6.7"(170mm)
50%
54%
58%
62%
64%
66%
68%
70%
72%
3HP(2.2KW)
2HP(1.5KW)
1.5HP(1.1KW)
1.0HP(.75KW)
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE

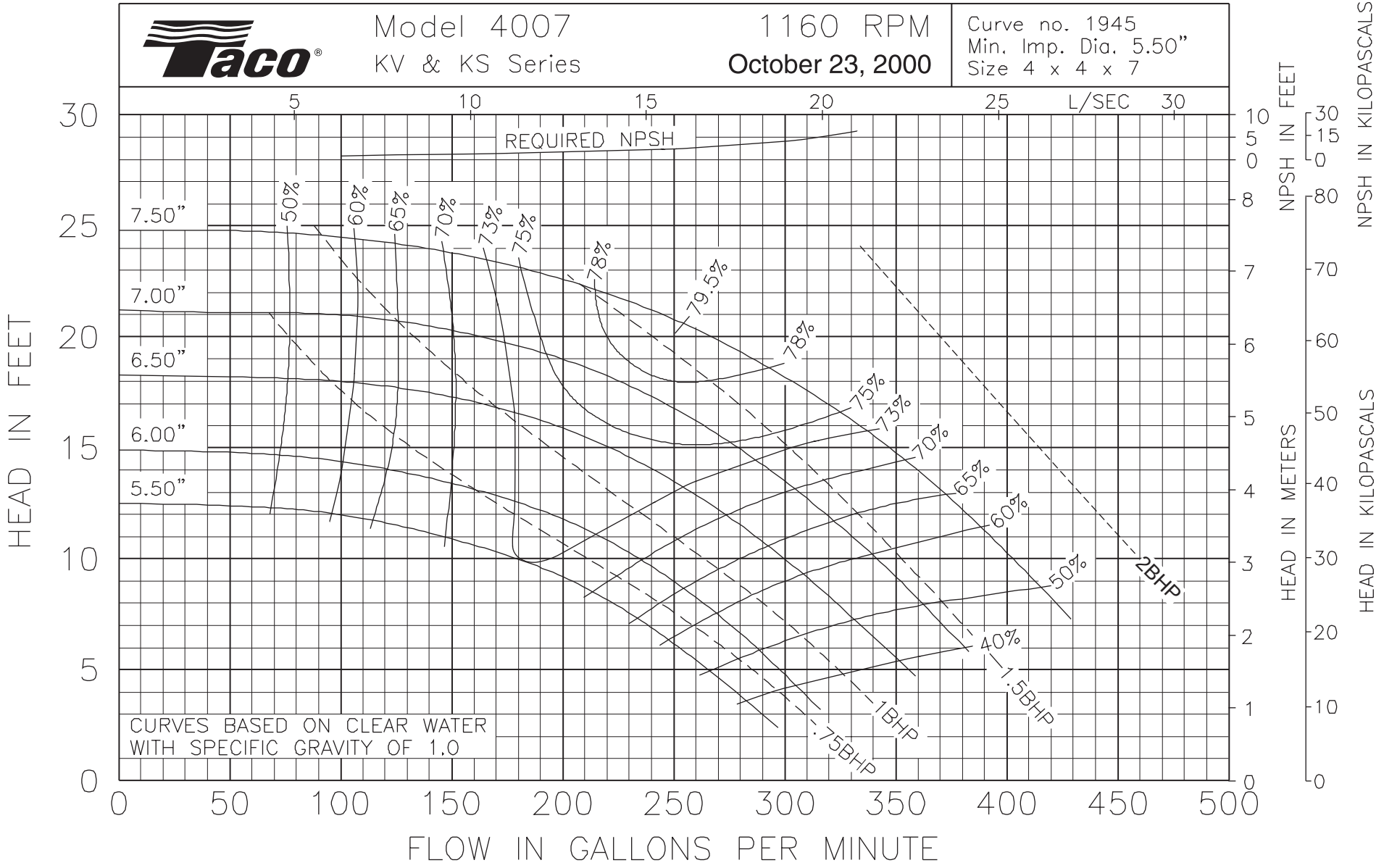

Taco
Model 2510
KV & KS Series
1160 RPM
JULY 24, 2003
Curve no. 2234
Min. Imp. Dia. 8.25"
Size 2.5 x 2.5 x 10.25
L/SEC
2.5
5
7.5
10
12.5
15
17.5
20
22.5
25
27.5
30
NPSH
FEET
KPa
30
24
18
12
6
0
90
72
54
36
18
0
REQUIRED NPSH
10.25"(241mm)
9.75"(229mm)
9.25"(216mm)
8.75"(203mm)
8.25"(191mm)
48%
52%
56%
60%
62%
64%
66%
68%
69%
5HP(3.7KW)
3HP(2.2KW)
2HP(1.5KW)
HEAD IN FEET
60
50
40
30
20
10
0
15
12.5
10
7.5
5
2.5
0
HEAD IN METERS
125
100
75
50
25
0
HEAD IN KILOPASCALS
0
50
100
150
200
250
300
350
400
450
500
FLOW IN GALLONS PER MINUTE

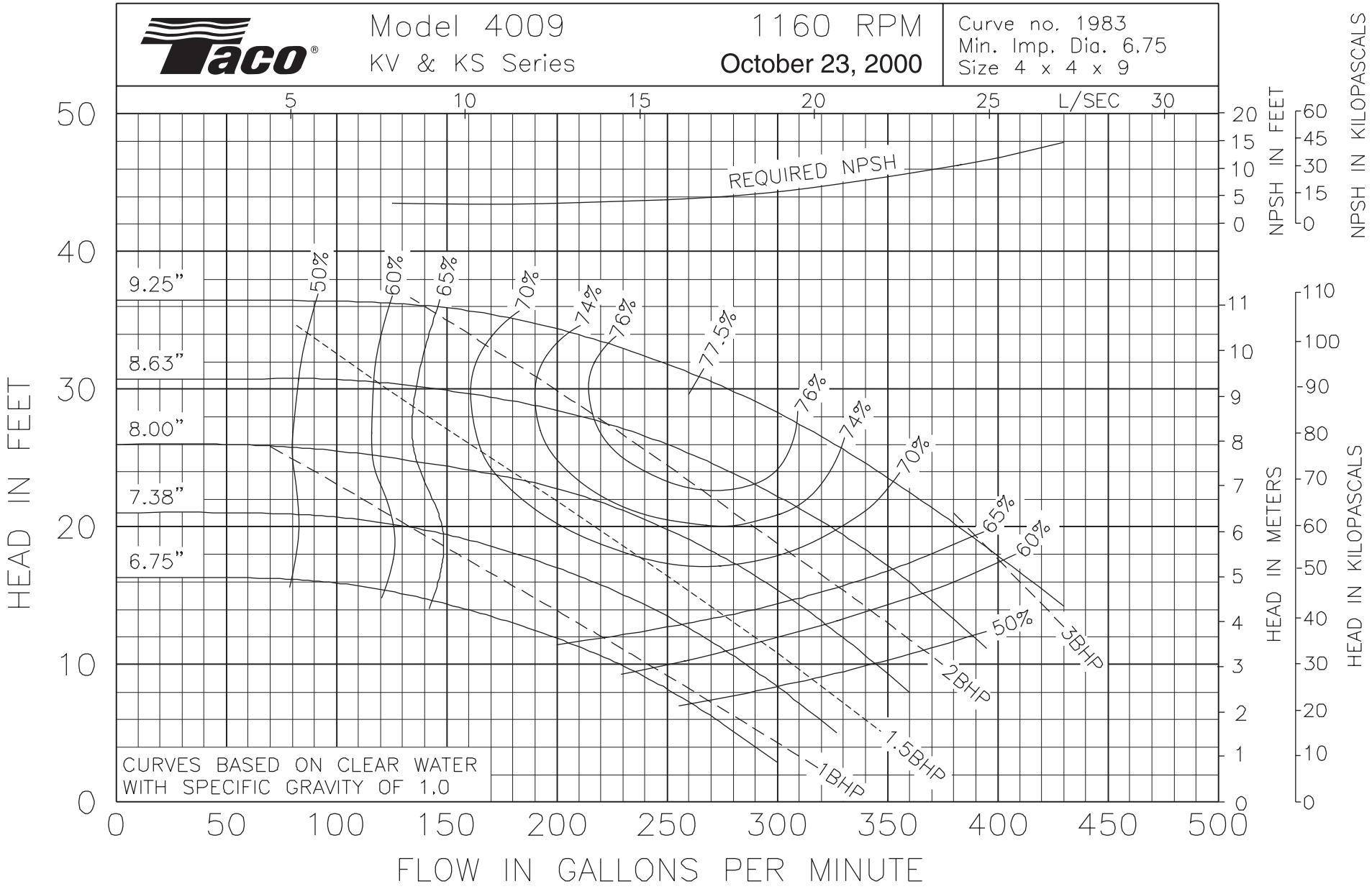

Taco
Model 3007
KV & KS Series
1160 RPM
October 23, 2000
Curve no. 1971
Min. Imp. Dia. 5.50
Size 3 x 3 x 7
L/SEC
REQUIRED NPSH
7.50"
7.00"
6.50"
6.00"
5.50"
50%
55%
60%
65%
68%
70%
72%
73%
.5BHP
.75BHP
1BHP
1.5BHP
40%
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
NPSH IN FEET
NPSH IN KILOPASCALS
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE

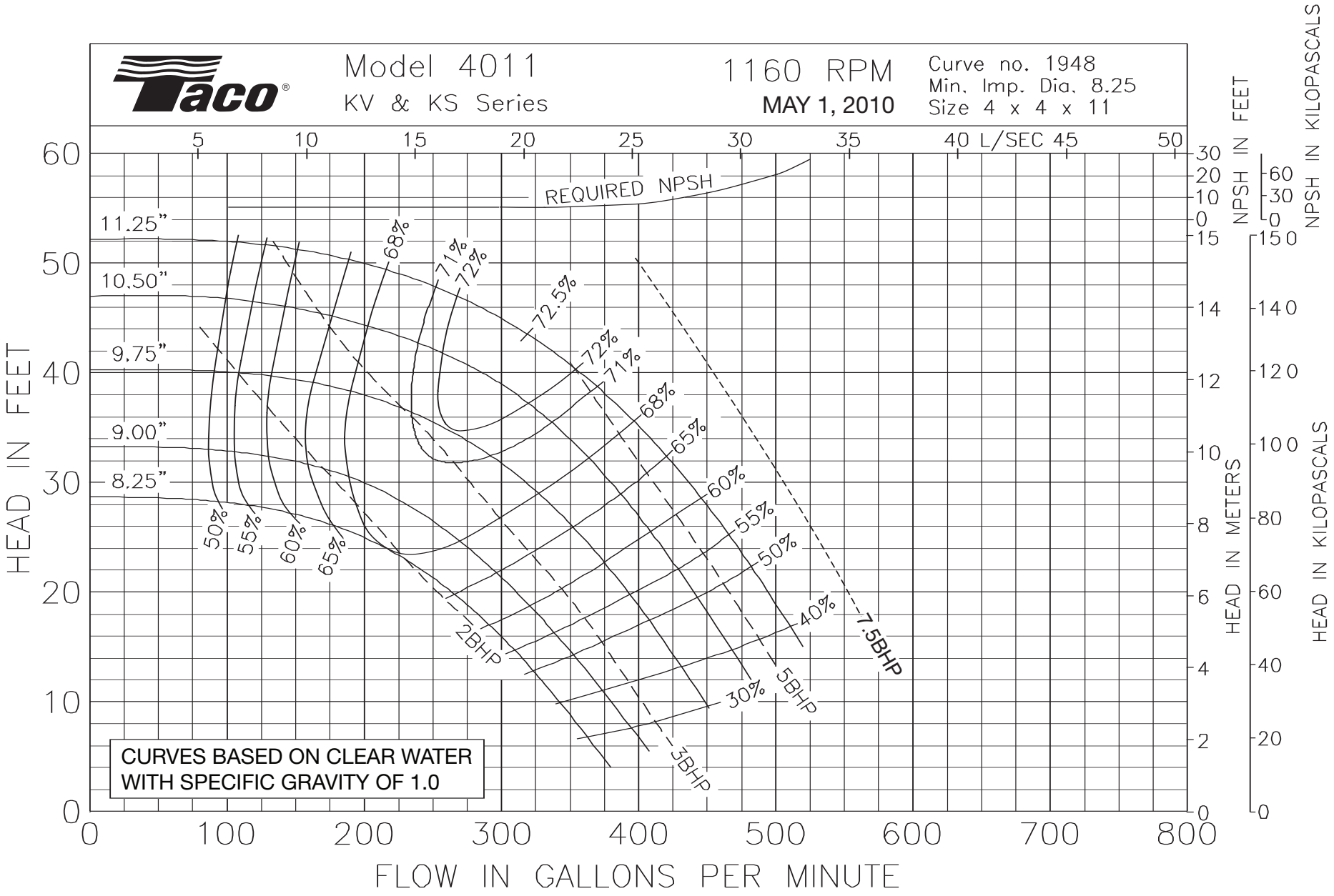

Taco
Model 3009
KV & KS Series
1160 RPM
October 23, 2000
Curve no. 1964
Min. Imp. Dia. 6.75
Size 3 x 3 x 9
L/SEC
REQUIRED NPSH
9.25"
8.63"
8.00"
7.38"
6.75"
40%
50%
55%
60%
63%
65%
68%
2BHP
1.5BHP
1BHP
.75BHP
.5BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
NPSH IN FEET
NPSH IN KILOPASCALS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE

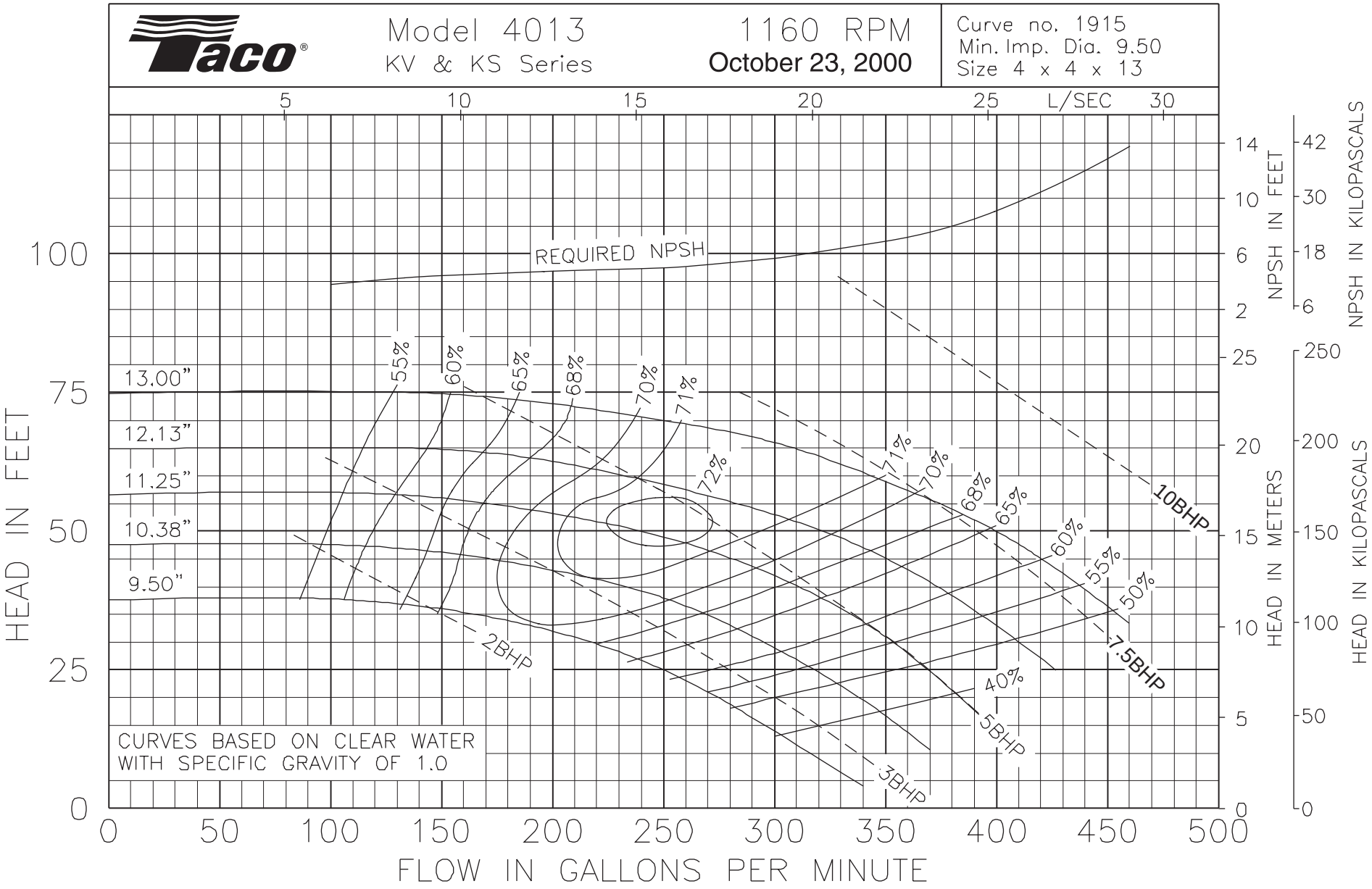

Taco
Model 3011
KV & KS Series
1160 RPM
October 23, 2000
Curve no. 1924
Min. Imp. Dia. 8.25
Size 3 x 3 x 11
REQUIRED NPSH
11.25"
10.50"
9.75"
9.00"
8.25"
40%
45%
50%
55%
58%
60%
61%
62%
5BHP
3BHP
2BHP
1.5BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
NPSH IN FEET
NPSH IN KILOPASCALS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE
L/SEC

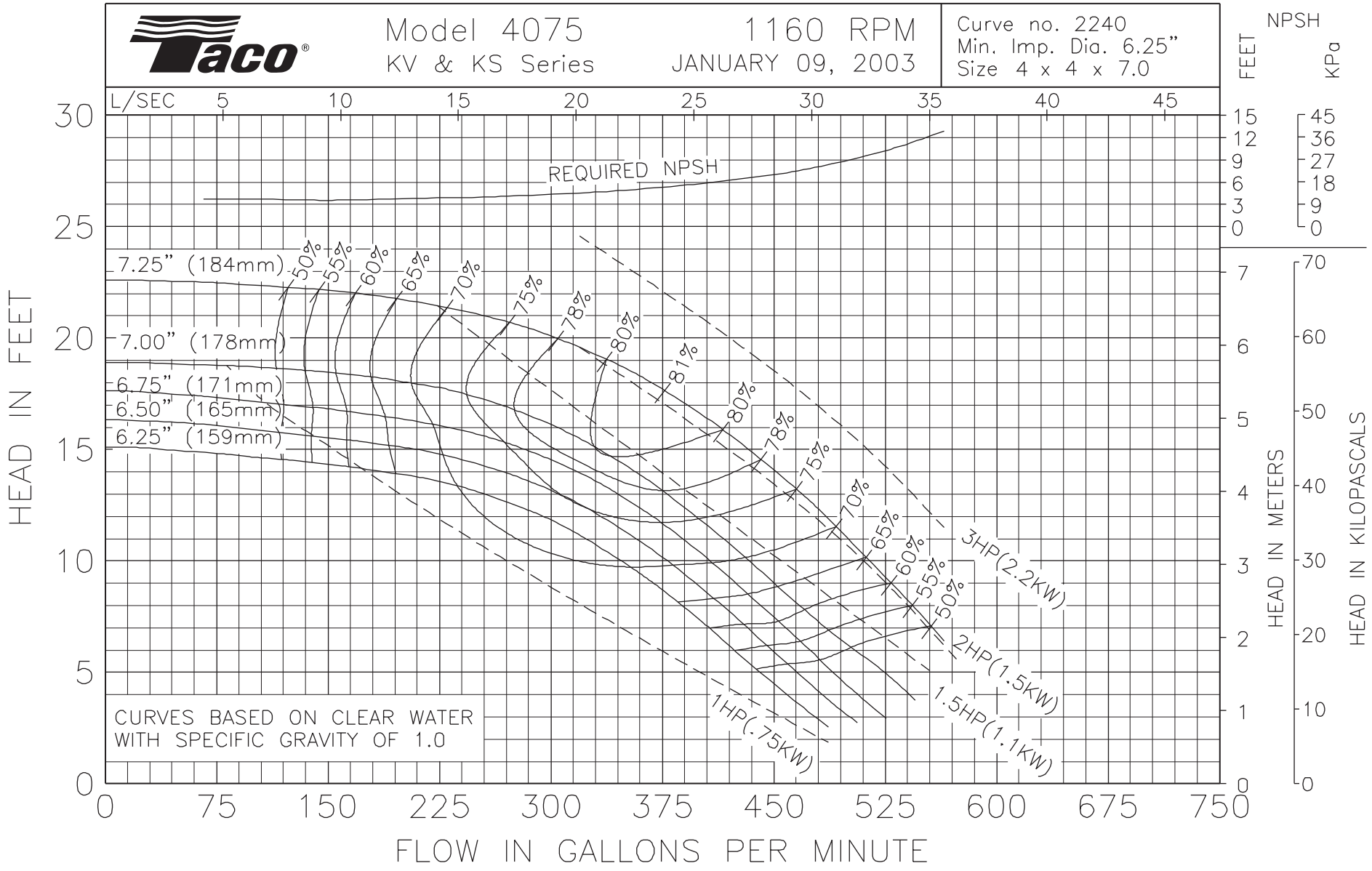

Taco
Model 3013
KV & KS Series
1160 RPM
October 23, 2000
Curve no. 1912
Min. Imp. Dia. 9.50
Size 3 x 3 x 13
L/SEC
REQUIRED NPSH
NPSH IN FEET
NPSH IN KILOPASCALS
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
13.00"
12.13"
11.25"
10.38"
9.50"
50%
55%
60%
62%
63%
62%
60%
55%
50%
45%
40%
30%
2BHP
3BHP
5BHP
7.5BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
FLOW IN GALLONS PER MINUTE

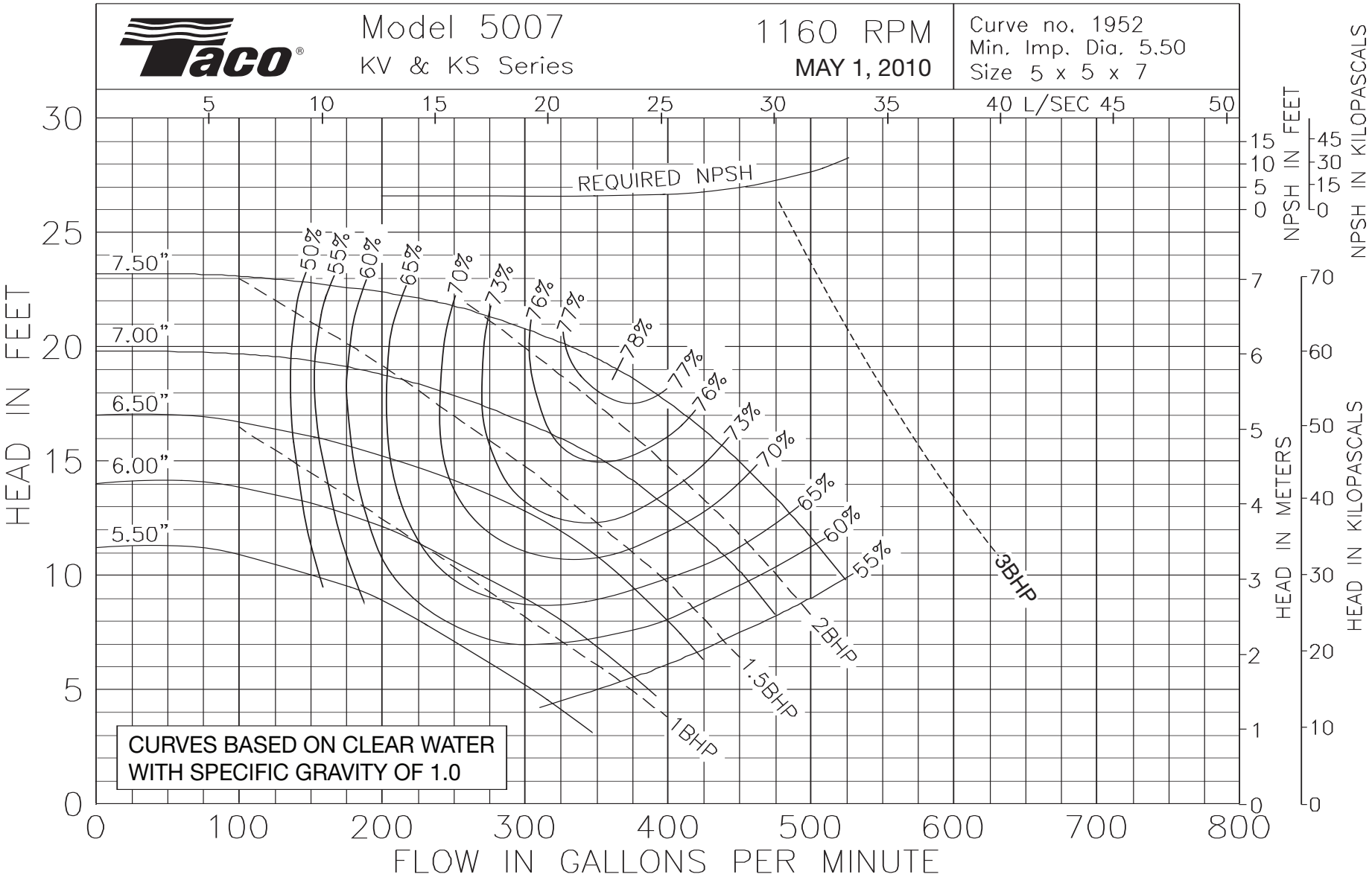

Taco
Model 4007
KV & KS Series
1160 RPM
October 23, 2000
Curve no. 1945
Min. Imp. Dia. 5.50"
Size 4 x 4 x 7
REQUIRED NPSH
7.50"
7.00"
6.50"
6.00"
5.50"
50%
60%
65%
70%
73%
75%
78%
79.5%
2BHP
1.5BHP
1BHP
.75BHP
40%
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
NPSH IN FEET
NPSH IN KILOPASCALS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE
L/SEC

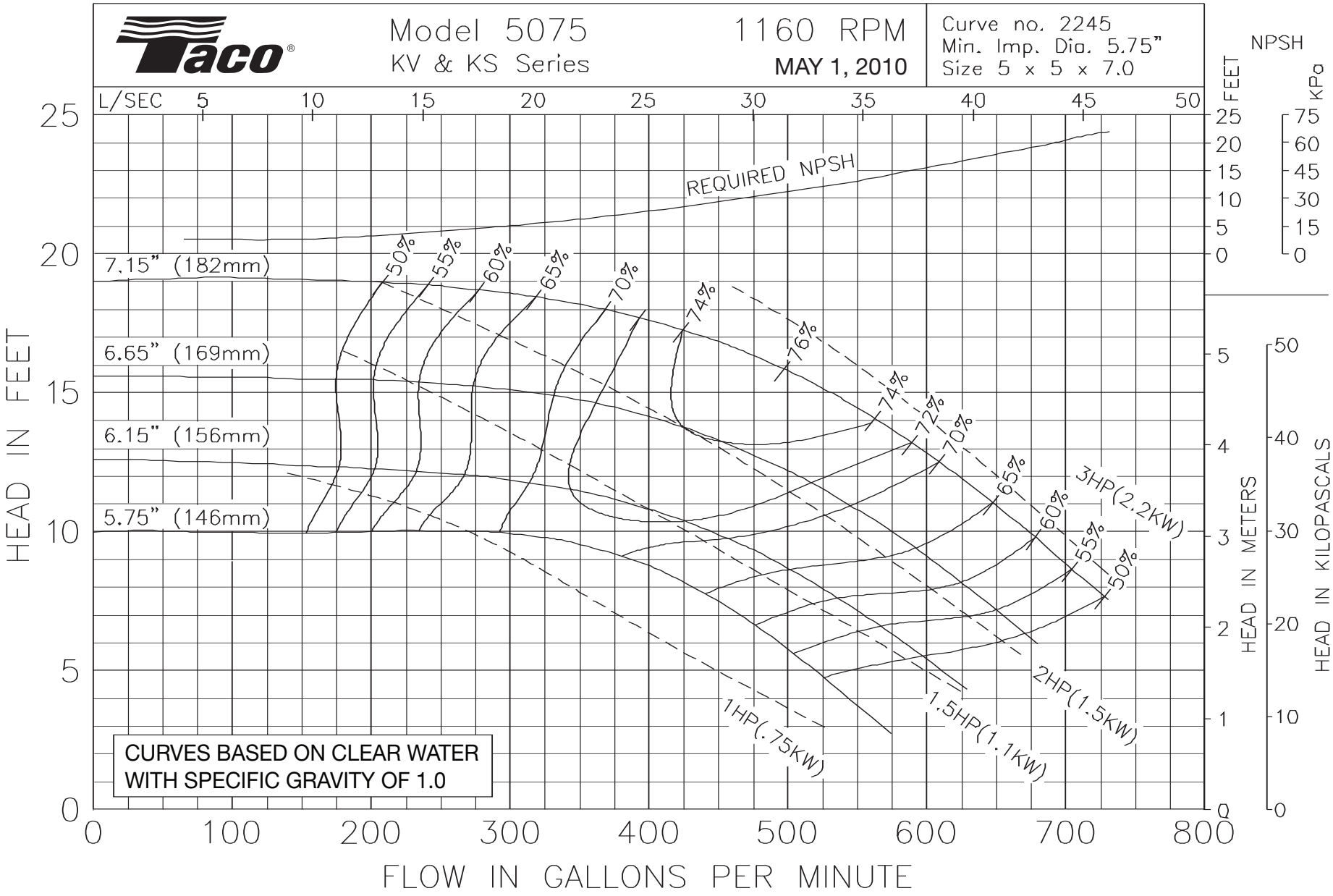

Taco
Model 4009
KV & KS Series
1160 RPM
October 23, 2000
Curve no. 1983
Min. Imp. Dia. 6.75
Size 4 x 4 x 9
REQUIRED NPSH
9.25"
8.63"
8.00"
7.38"
6.75"
50%
60%
65%
70%
74%
76%
77.5%
1BHP
1.5BHP
2BHP
3BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
NPSH IN FEET
NPSH IN KILOPASCALS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE
L/SEC

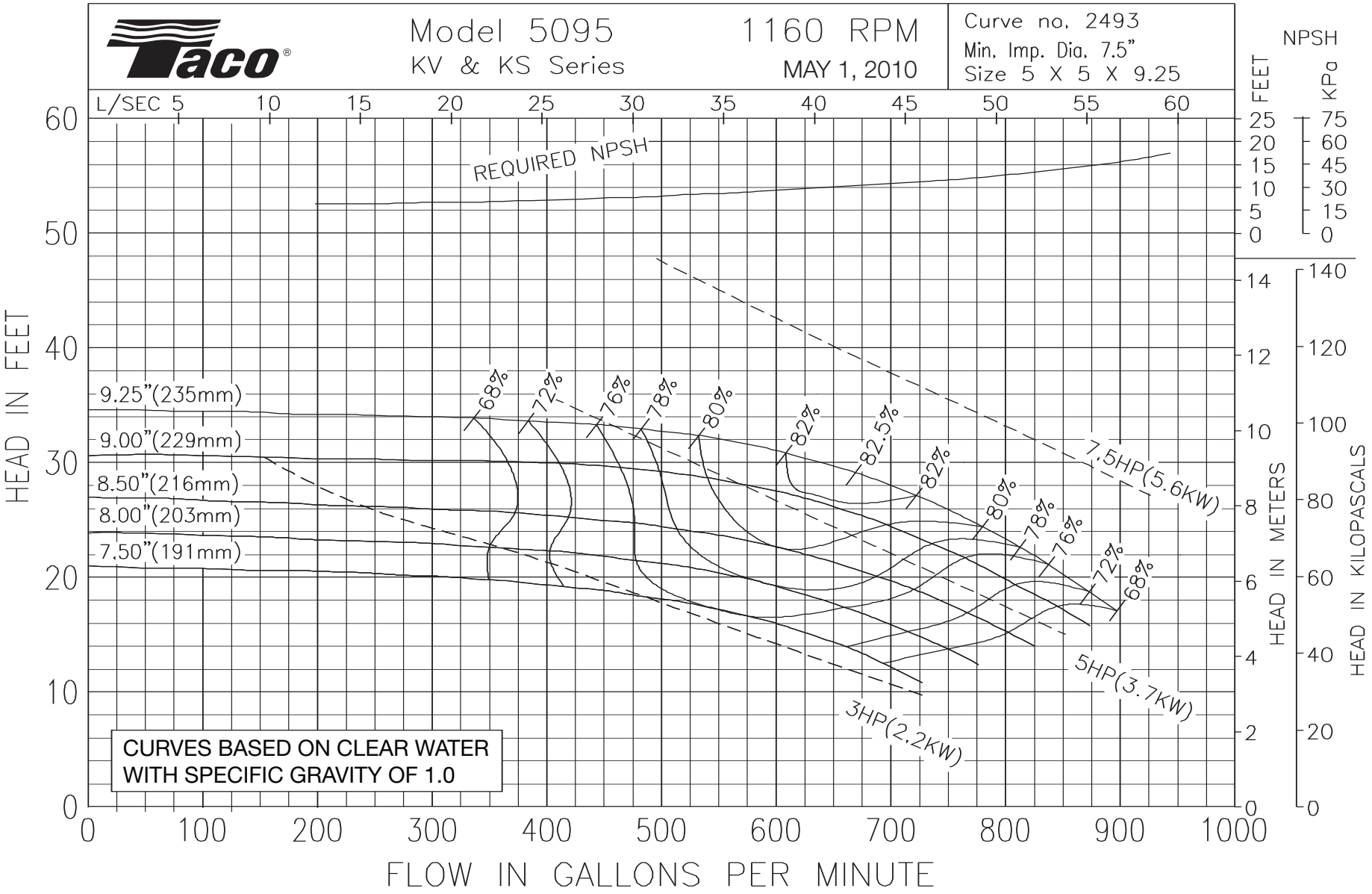

Taco
Model 4011
KV & KS Series
1160 RPM
MAY 1, 2010
Curve no. 1948
Min. Imp. Dia. 8.25
Size 4 x 4 x 11
REQUIRED NPSH
11.25"
10.50"
9.75"
9.00"
8.25"
50%
55%
60%
65%
68%
71%
72%
72.5%
72%
71%
68%
65%
60%
55%
50%
40%
30%
2BHP
5BHP
7.5BHP
3BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
NPSH IN FEET
NPSH IN KILOPASCALS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE
L/SEC

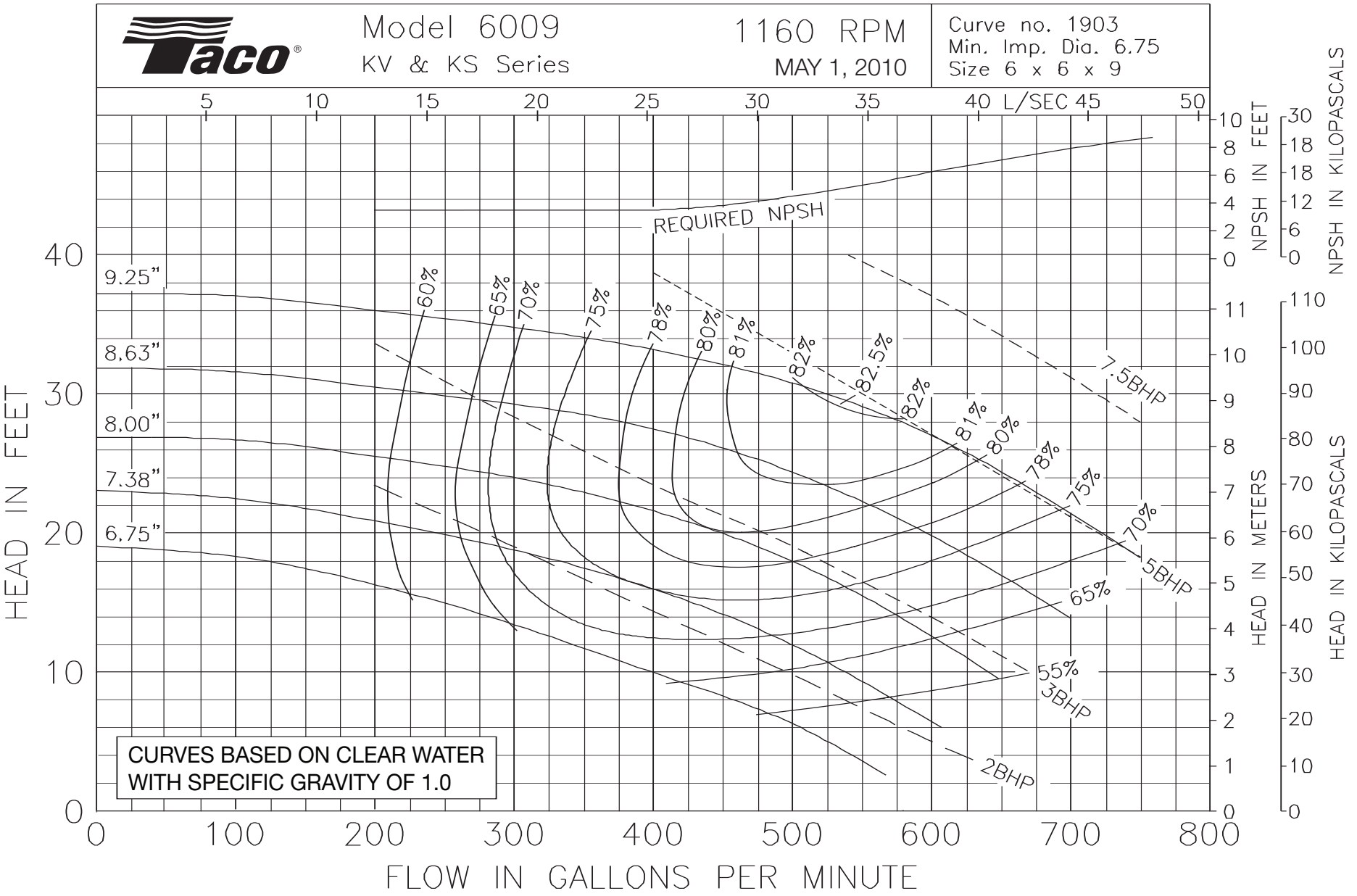

Taco
Model 4013
KV & KS Series
1160 RPM
October 23, 2000
Curve no. 1915
Min. Imp. Dia. 9.50
Size 4 x 4 x 13
L/SEC
REQUIRED NPSH
13.00"
12.13"
11.25"
10.38"
9.50"
55%
60%
65%
68%
70%
71%
72%
10BHP
7.5BHP
5BHP
3BHP
2BHP
40%
50%
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
NPSH IN FEET
NPSH IN KILOPASCALS
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE

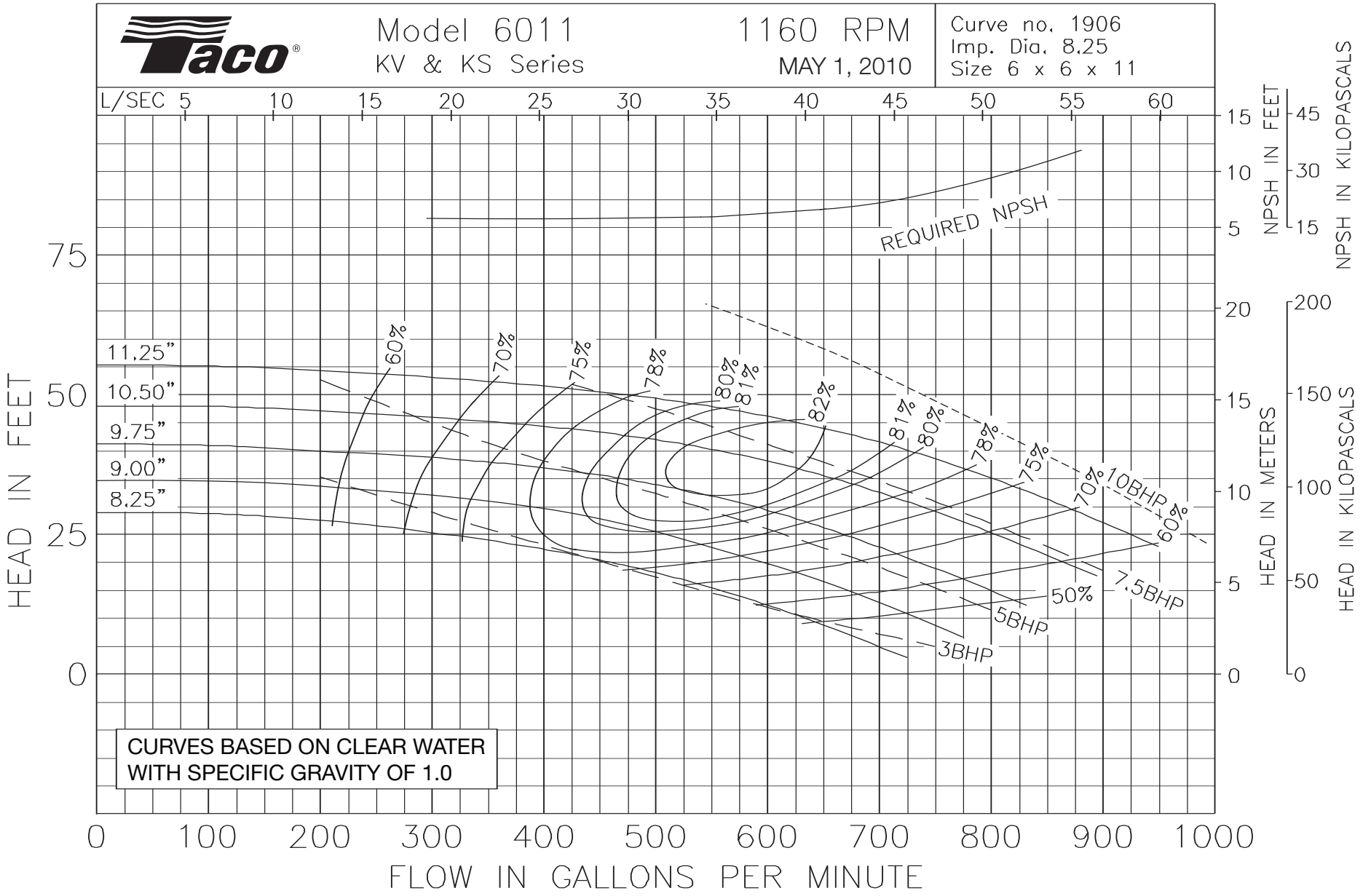

Taco
Model 4075
KV & KS Series
1160 RPM
JANUARY 09, 2003
Curve no. 2240
Min. Imp. Dia. 6.25"
Size 4 x 4 x 7.0
NPSH
FEET
KPa
L/SEC
REQUIRED NPSH
7.25" (184mm)
7.00" (178mm)
6.75" (171mm)
6.50" (165mm)
6.25" (159mm)
50%
55%
60%
65%
70%
75%
78%
80%
81%
3HP(2.2KW)
2HP(1.5KW)
1.5HP(1.1KW)
1HP(.75KW)
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE

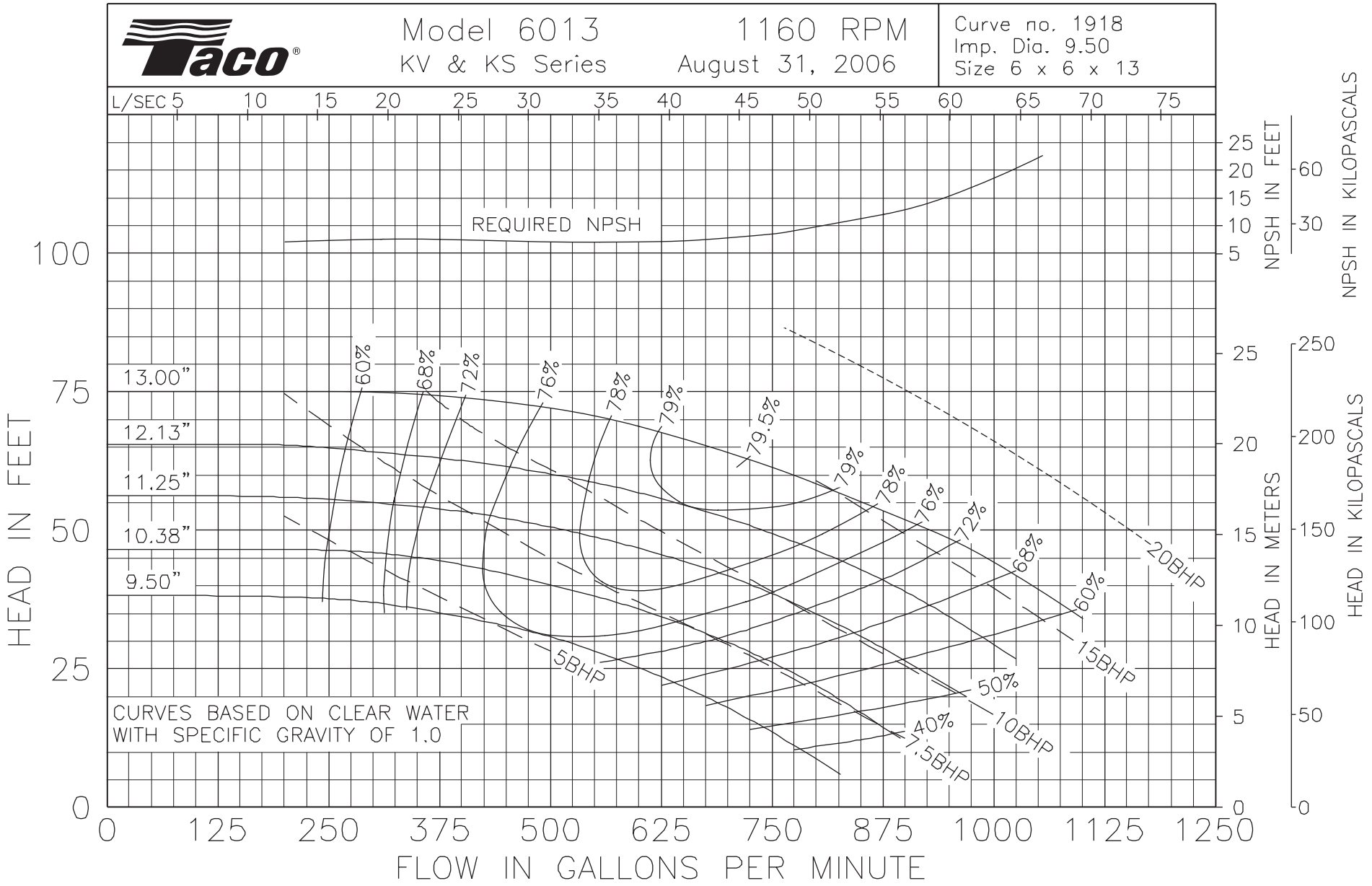

Taco
Model 5007
KV & KS Series
1160 RPM
MAY 1, 2010
Curve no. 1952
Min. Imp. Dia. 5.50
Size 5 x 5 x 7
REQUIRED NPSH
7.50"
7.00"
6.50"
6.00"
5.50"
50%
55%
60%
65%
70%
73%
76%
77%
78%
3BHP
2BHP
1.5BHP
1BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
FLOW IN GALLONS PER MINUTE
5 10 15 20 25 30 35 40 L/SEC 45 50
0 100 200 300 400 500 600 700 800
0 5 10 15 20 25 30
NPSH IN FEET
0 5 10 15
NPSH IN KILOPASCALS
0 15 30 45
HEAD IN METERS
0 1 2 3 4 5 6 7
HEAD IN KILOPASCALS
0 10 20 30 40 50 60 70

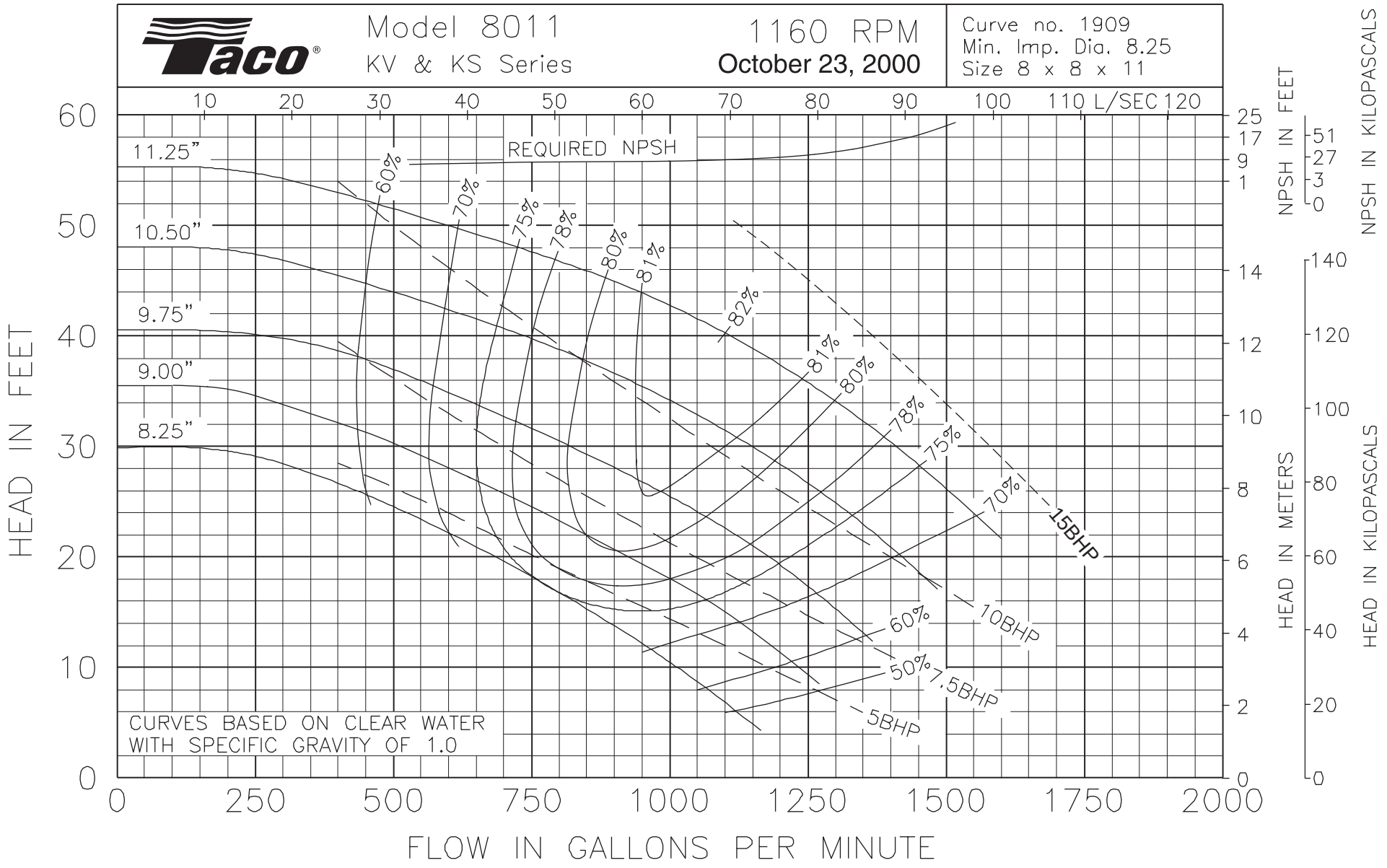

Taco
Model 5075
KV & KS Series
1160 RPM
MAY 1, 2010
Curve no. 2245
Min. Imp. Dia. 5.75"
Size 5 x 5 x 7.0
L/SEC
5
10
15
20
25
30
35
40
45
50
FEET
NPSH
KPa
REQUIRED NPSH
7.15" (182mm)
6.65" (169mm)
6.15" (156mm)
5.75" (146mm)
50%
55%
60%
65%
70%
74%
76%
74%
72%
70%
65%
60%
55%
50%
3HP(2.2KW)
2HP(1.5KW)
1.5HP(1.1KW)
1HP(.75KW)
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
0
100
200
300
400
500
600
700
800
FLOW IN GALLONS PER MINUTE

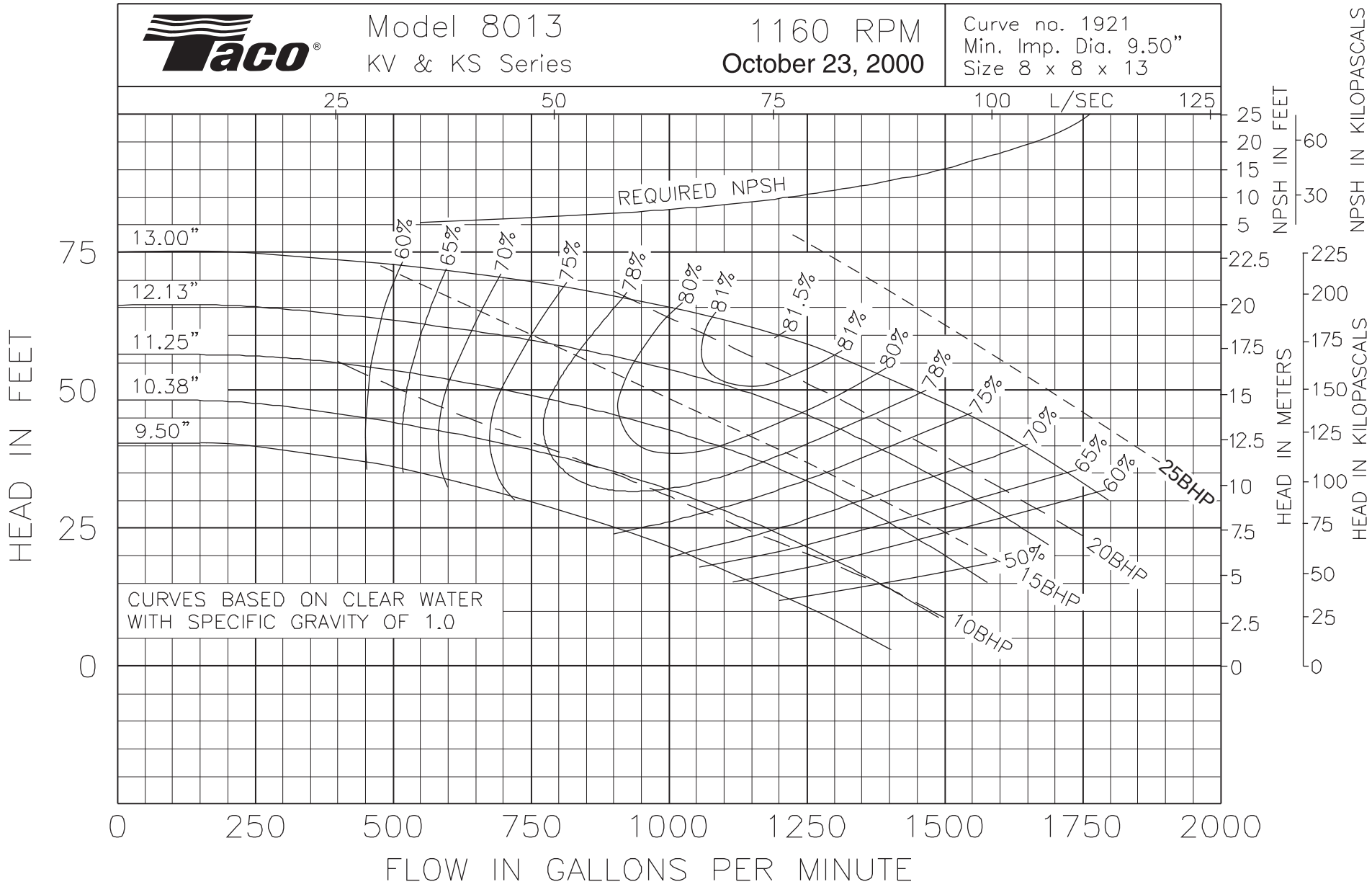

Taco
Model 5095
KV & KS Series
1160 RPM
MAY 1, 2010
Curve no. 2493
Min. Imp. Dia. 7.5"
Size 5 X 5 X 9.25
L/SEC 5 10 15 20 25 30 35 40 45 50 55 60
REQUIRED NPSH
NPSH
FEET 25 20 15 10 5 0
KPa 75 60 45 30 15 0
9.25"(235mm)
9.00"(229mm)
8.50"(216mm)
8.00"(203mm)
7.50"(191mm)
68%
72%
76%
78%
80%
82%
82.5%
7.5HP(5.6KW)
5HP(3.7KW)
3HP(2.2KW)
HEAD IN FEET 60 50 40 30 20 10 0
HEAD IN METERS 14 12 10 8 6 4 2 0
HEAD IN KILOPASCALS 140 120 100 80 60 40 20 0
0 100 200 300 400 500 600 700 800 900 1000
FLOW IN GALLONS PER MINUTE
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0

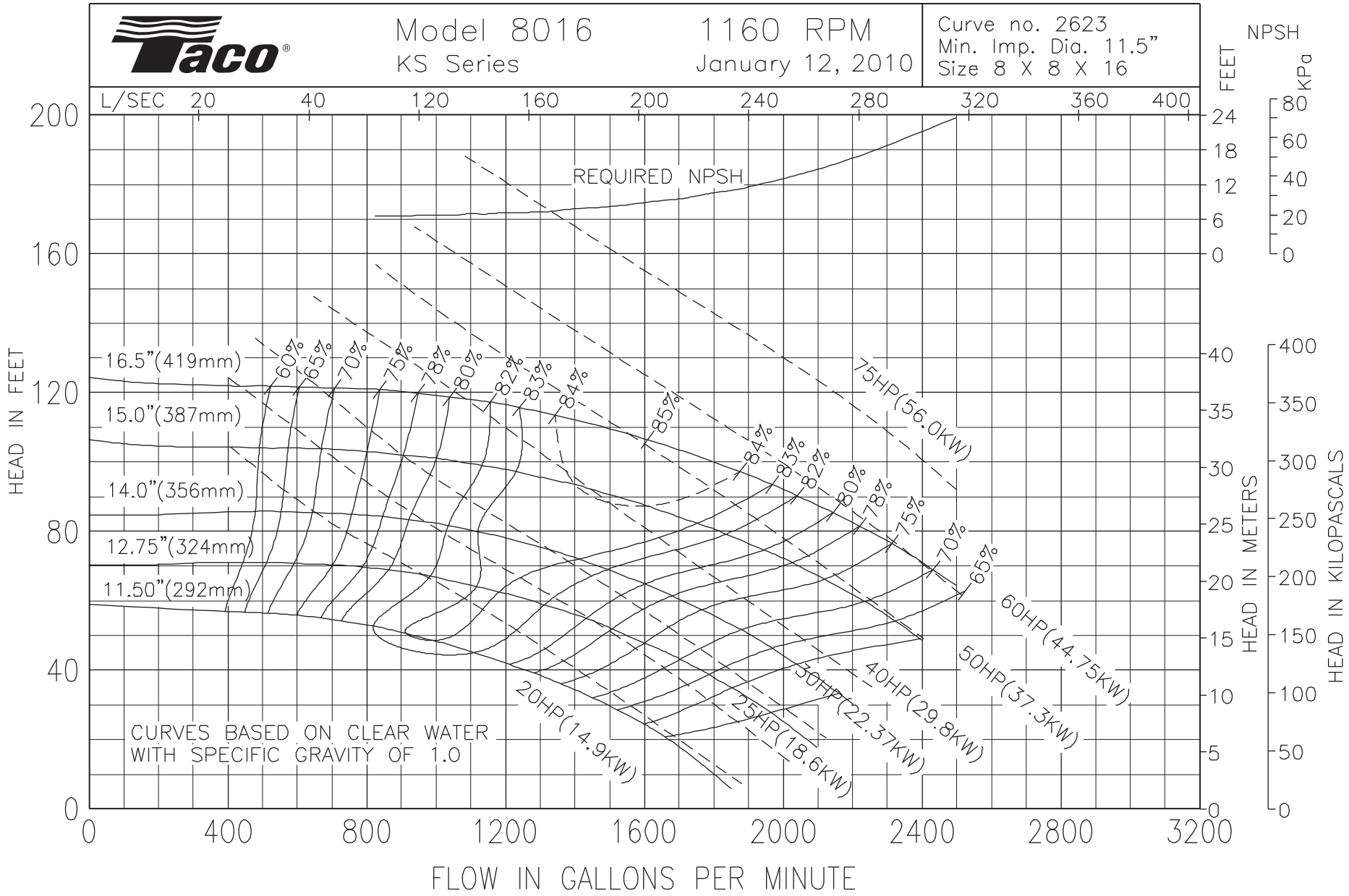

Taco
Model 6009
KV & KS Series
1160 RPM
MAY 1, 2010
Curve no. 1903
Min. Imp. Dia. 6.75
Size 6 x 6 x 9
5 10 15 20 25 30 35 40 L/SEC 45 50
REQUIRED NPSH
9.25"
8.63"
8.00"
7.38"
6.75"
60%
65%
70%
75%
78%
80%
81%
82%
82.5%
7.5BHP
5BHP
3BHP
2BHP
55%
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
0 10 20 30 40
HEAD IN METERS
0 1 2 3 4 5 6 7 8 9 10 11
NPSH IN FEET
0 2 4 6 8 10
NPSH IN KILOPASCALS
0 6 12 18 18 30
HEAD IN KILOPASCALS
0 10 20 30 40 50 60 70 80 90 100 110
0 100 200 300 400 500 600 700 800
FLOW IN GALLONS PER MINUTE

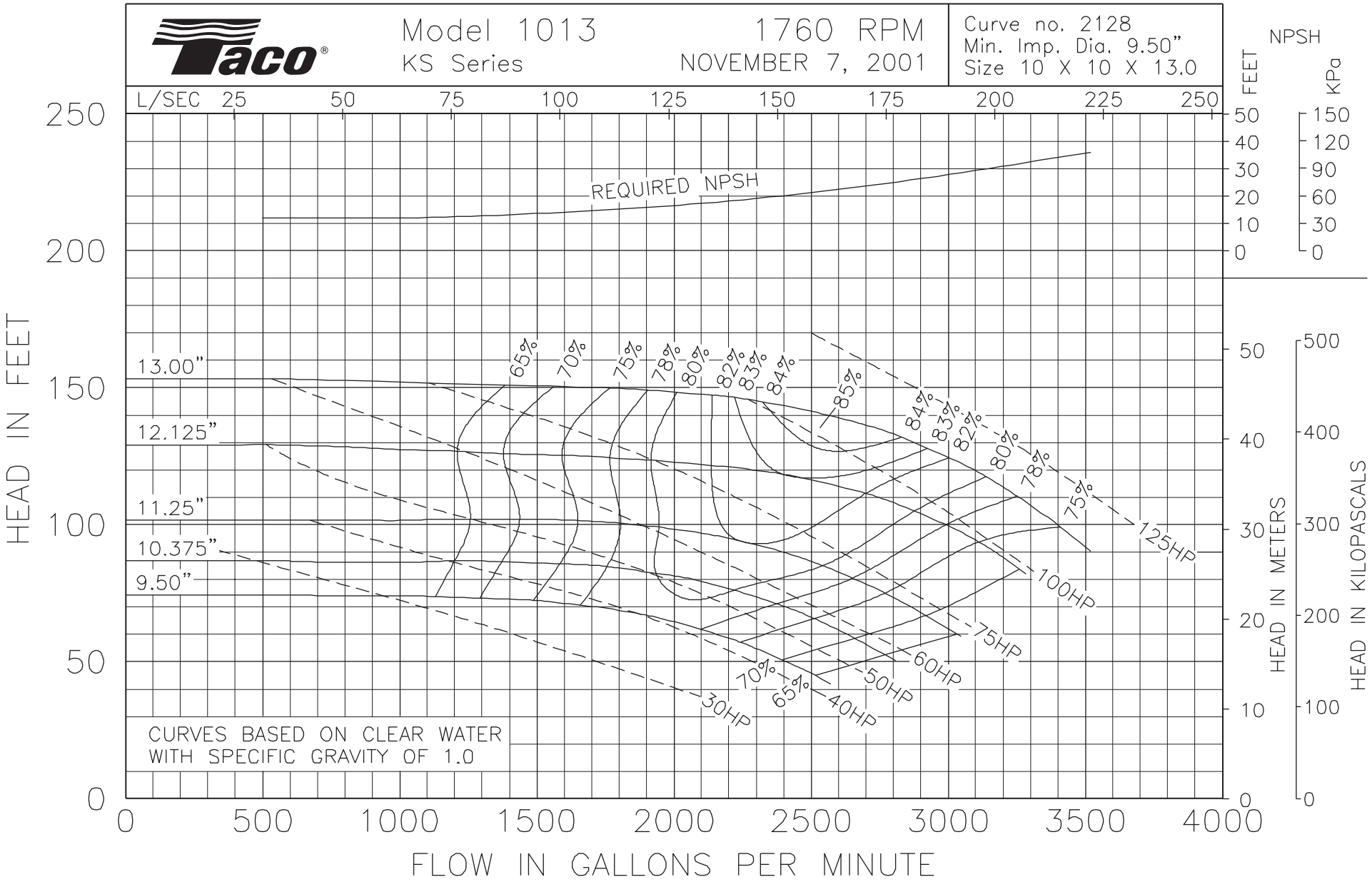

Taco
Model 6011
KV & KS Series
1160 RPM
MAY 1, 2010
Curve no. 1906
Imp. Dia. 8.25
Size 6 x 6 x 11
L/SEC 5 10 15 20 25 30 35 40 45 50 55 60
REQUIRED NPSH
NPSH IN FEET
NPSH IN KILOPASCALS
11.25"
10.50"
9.75"
9.00"
8.25"
60%
70%
75%
78%
80%
81%
82%
81%
80%
78%
75%
70%
10BHP
60%
50%
7.5BHP
5BHP
3BHP
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
0 100 200 300 400 500 600 700 800 900 1000
FLOW IN GALLONS PER MINUTE

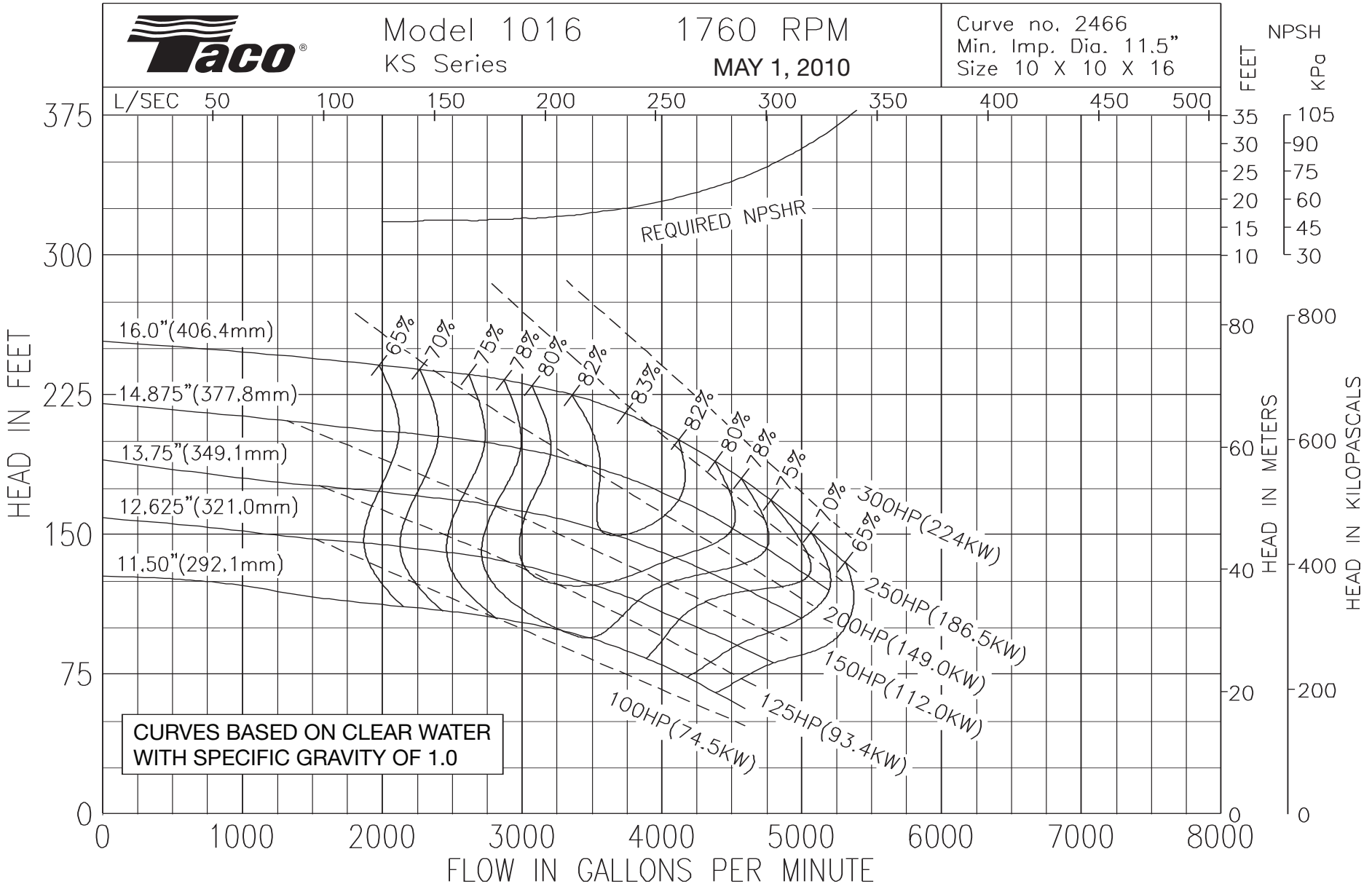

Taco
Model 6013
KV & KS Series
1160 RPM
August 31, 2006
Curve no. 1918
Imp. Dia. 9.50
Size 6 x 6 x 13
L/SEC 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75
REQUIRED NPSH
13.00"
12.13"
11.25"
10.38"
9.50"
60%
68%
72%
76%
78%
79%
79.5%
79%
78%
76%
72%
68%
60%
50%
40%
20BHP
15BHP
10BHP
7.5BHP
5BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
0 25 50 75 100
HEAD IN METERS
0 5 10 15 20 25
NPSH IN FEET
5 10 15 20 25
NPSH IN KILOPASCALS
30 60
HEAD IN KILOPASCALS
0 50 100 150 200 250
0 125 250 375 500 625 750 875 1000 1125 1250
FLOW IN GALLONS PER MINUTE


Taco
Model 8011
KV & KS Series
1160 RPM
October 23, 2000
Curve no. 1909
Min. Imp. Dia. 8.25
Size 8 x 8 x 11
REQUIRED NPSH
11.25"
10.50"
9.75"
9.00"
8.25"
60%
70%
75%
78%
80%
81%
82%
15BHP
10BHP
7.5BHP
5BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
FLOW IN GALLONS PER MINUTE
10 20 30 40 50 60 70 80 90 100 110 L/SEC 120
0 250 500 750 1000 1250 1500 1750 2000
0 10 20 30 40 50 60
0 2 4 6 8 10 12 14
0 1 9 17 25
0 3 27 51
0 20 40 60 80 100 120 140
HEAD IN METERS
NPSH IN FEET
HEAD IN KILOPASCALS
NPSH IN KILOPASCALS


Taco
Model 8013
KV & KS Series
1160 RPM
October 23, 2000
Curve no. 1921
Min. Imp. Dia. 9.50"
Size 8 x 8 x 13
25
50
75
100
L/SEC
125
REQUIRED NPSH
13.00"
12.13"
11.25"
10.38"
9.50"
60%
65%
70%
75%
78%
80%
81%
81.5%
81%
80%
78%
75%
70%
65%
60%
50%
25BHP
20BHP
15BHP
10BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
75
50
25
0
25
20
15
10
5
NPSH IN FEET
60
30
NPSH IN KILOPASCALS
22.5
20
17.5
15
12.5
10
7.5
5
2.5
0
HEAD IN METERS
225
200
175
150
125
100
75
50
25
0
HEAD IN KILOPASCALS
0
250
500
750
1000
1250
1500
1750
2000
FLOW IN GALLONS PER MINUTE


Taco
Model 8016
KS Series
1160 RPM
January 12, 2010
Curve no. 2623
Min. Imp. Dia. 11.5"
Size 8 X 8 X 16
L/SEC 20 40 120 160 200 240 280 320 360 400
FEET
NPSH
KPa
REQUIRED NPSH
16.5"(419mm)
15.0"(387mm)
14.0"(356mm)
12.75"(324mm)
11.50"(292mm)
60%
65%
70%
75%
78%
80%
82%
83%
84%
85%
75HP(56.0KW)
60HP(44.75KW)
50HP(37.3KW)
40HP(29.8KW)
30HP(22.37KW)
25HP(18.6KW)
20HP(14.9KW)
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE


Taco
Model 1013
KS Series
1760 RPM
NOVEMBER 7, 2001
Curve no. 2128
Min. Imp. Dia. 9.50"
Size 10 X 10 X 13.0
NPSH
FEET
KPa
L/SEC 25 50 75 100 125 150 175 200 225 250
REQUIRED NPSH
13.00"
12.125"
11.25"
10.375"
9.50"
65%
70%
75%
78%
80%
82%
83%
84%
85%
125HP
100HP
75HP
60HP
50HP
40HP
30HP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE

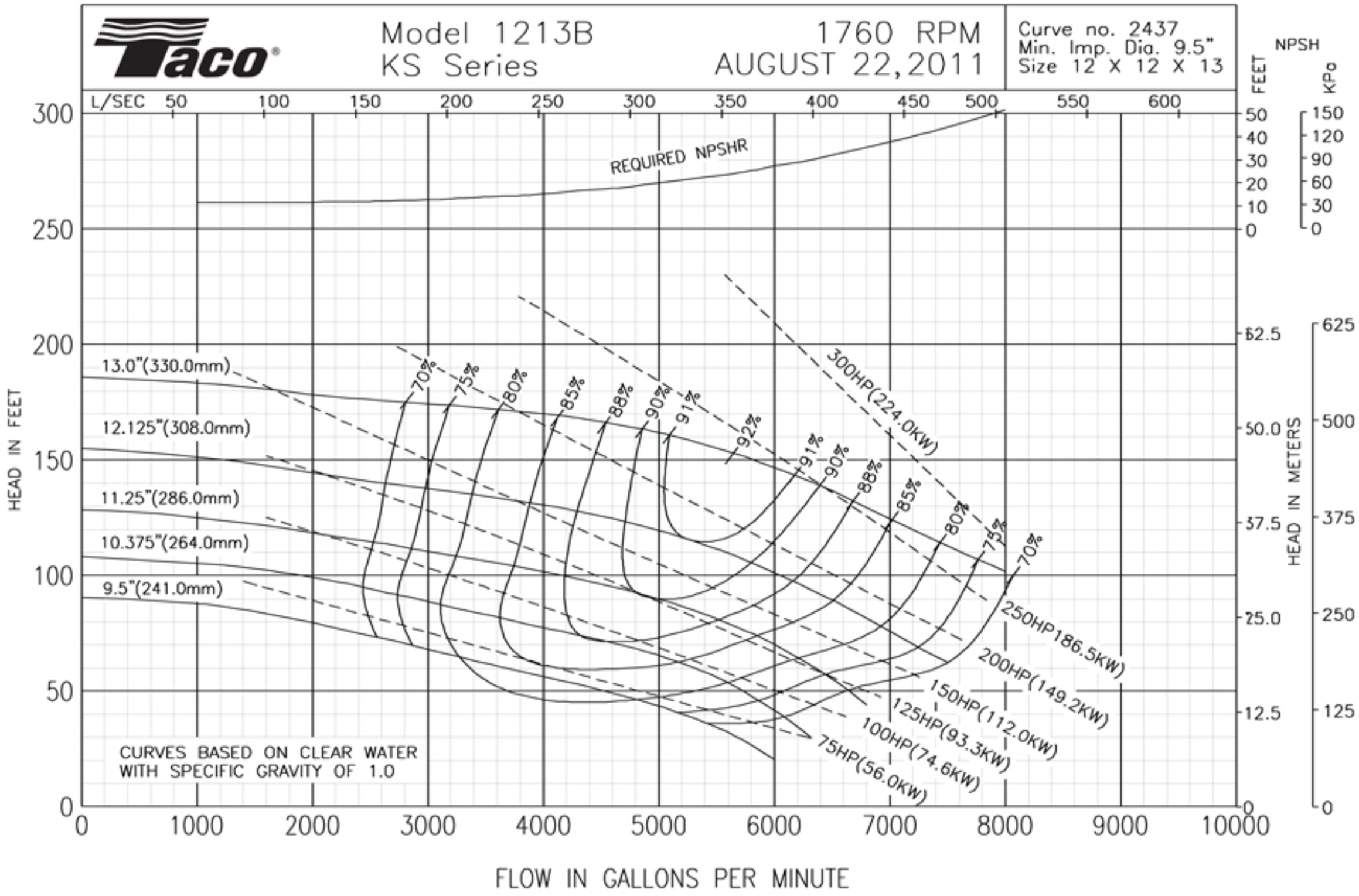

Taco
Model 1016
KS Series
1760 RPM
MAY 1, 2010
Curve no. 2466
Min. Imp. Dia. 11.5"
Size 10 X 10 X 16
L/SEC 50 100 150 200 250 300 350 400 450 500
FEET
NPSH
KPa
REQUIRED NPSHR
16.0"(406.4mm)
14.875"(377.8mm)
13.75"(349.1mm)
12.625"(321.0mm)
11.50"(292.1mm)
65%
70%
75%
78%
80%
82%
83%
300HP(224KW)
250HP(186.5KW)
200HP(149.0KW)
150HP(112.0KW)
125HP(93.4KW)
100HP(74.5KW)
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE

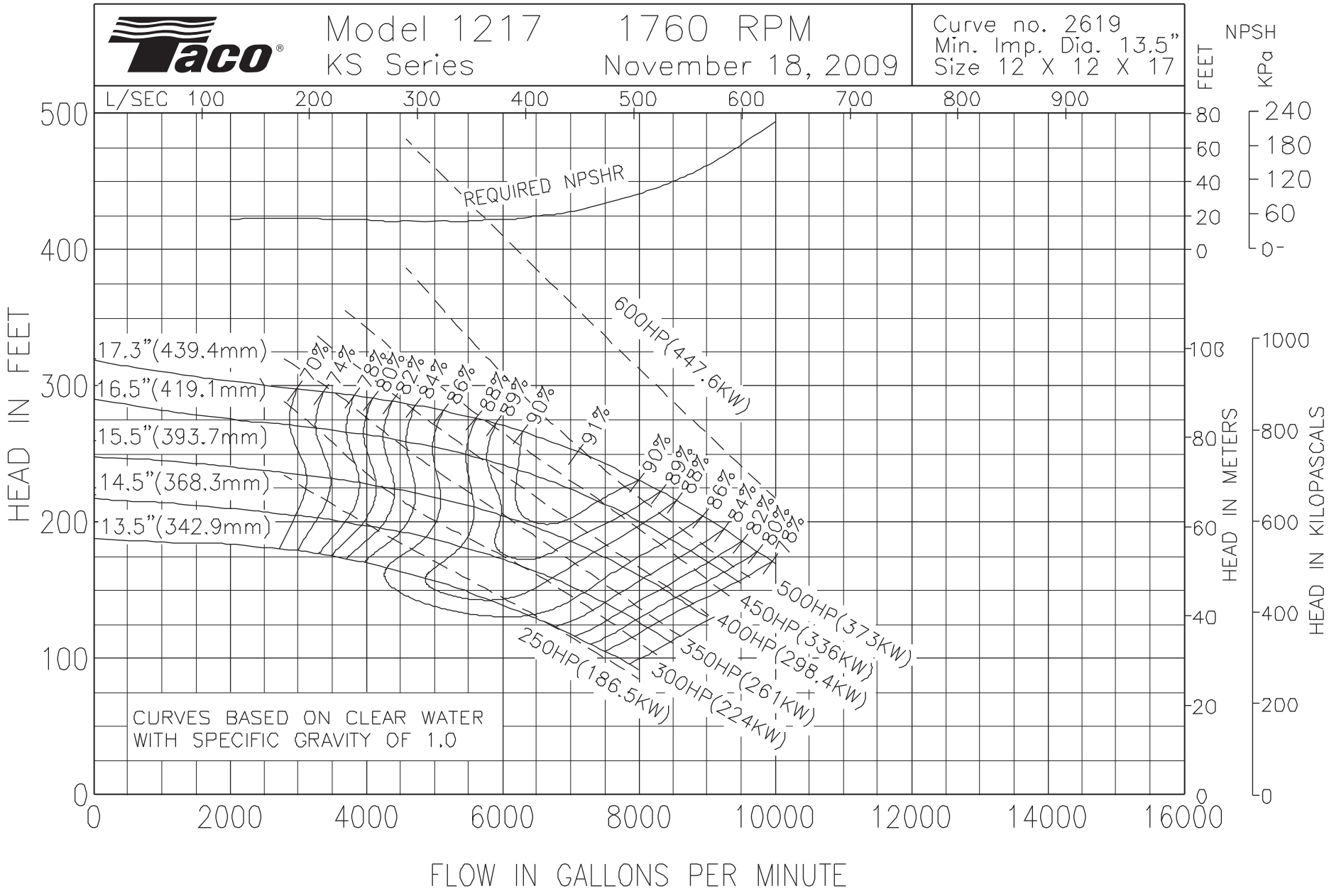
Taco

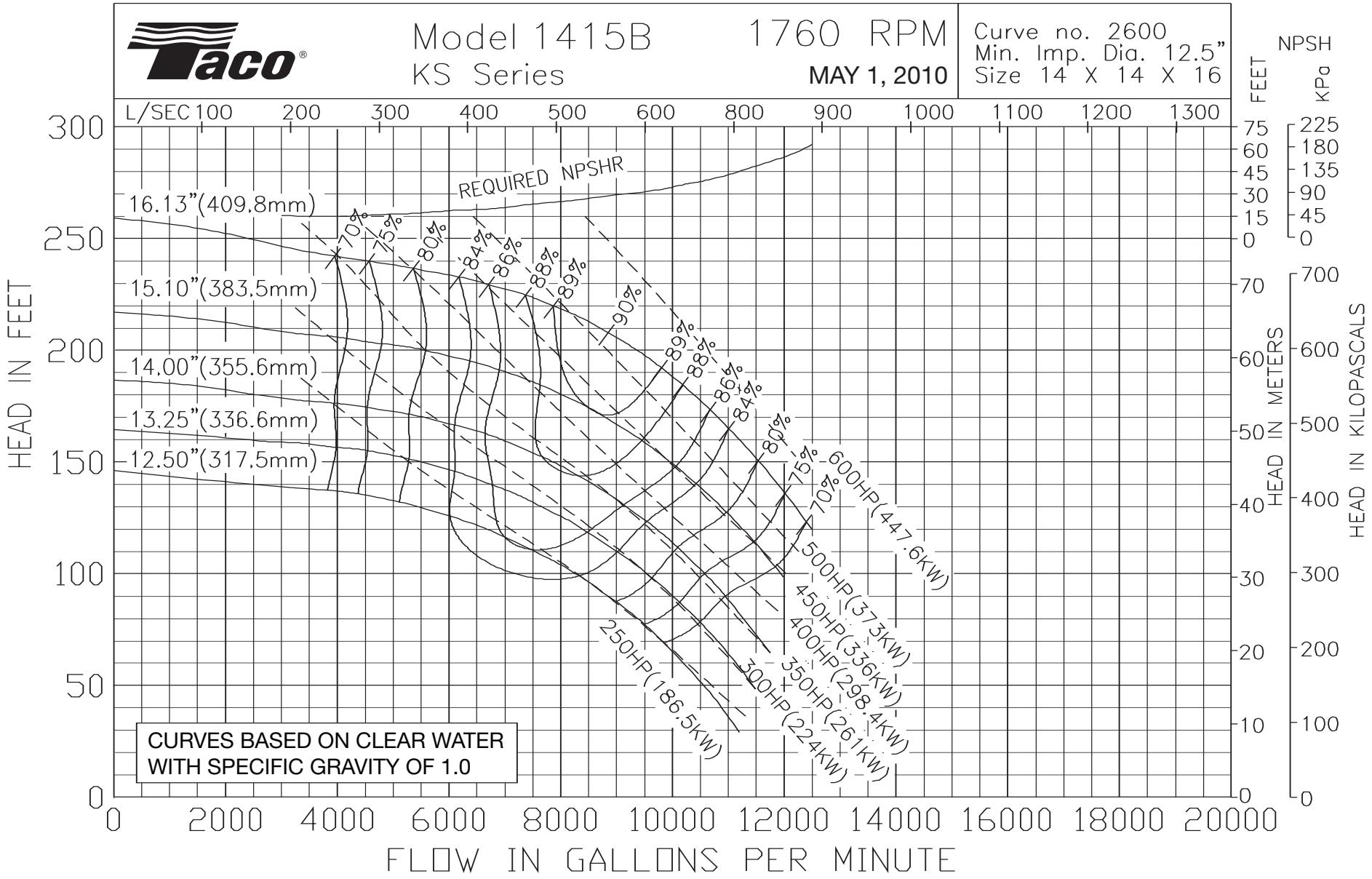
# Model 1213B
## KS Series

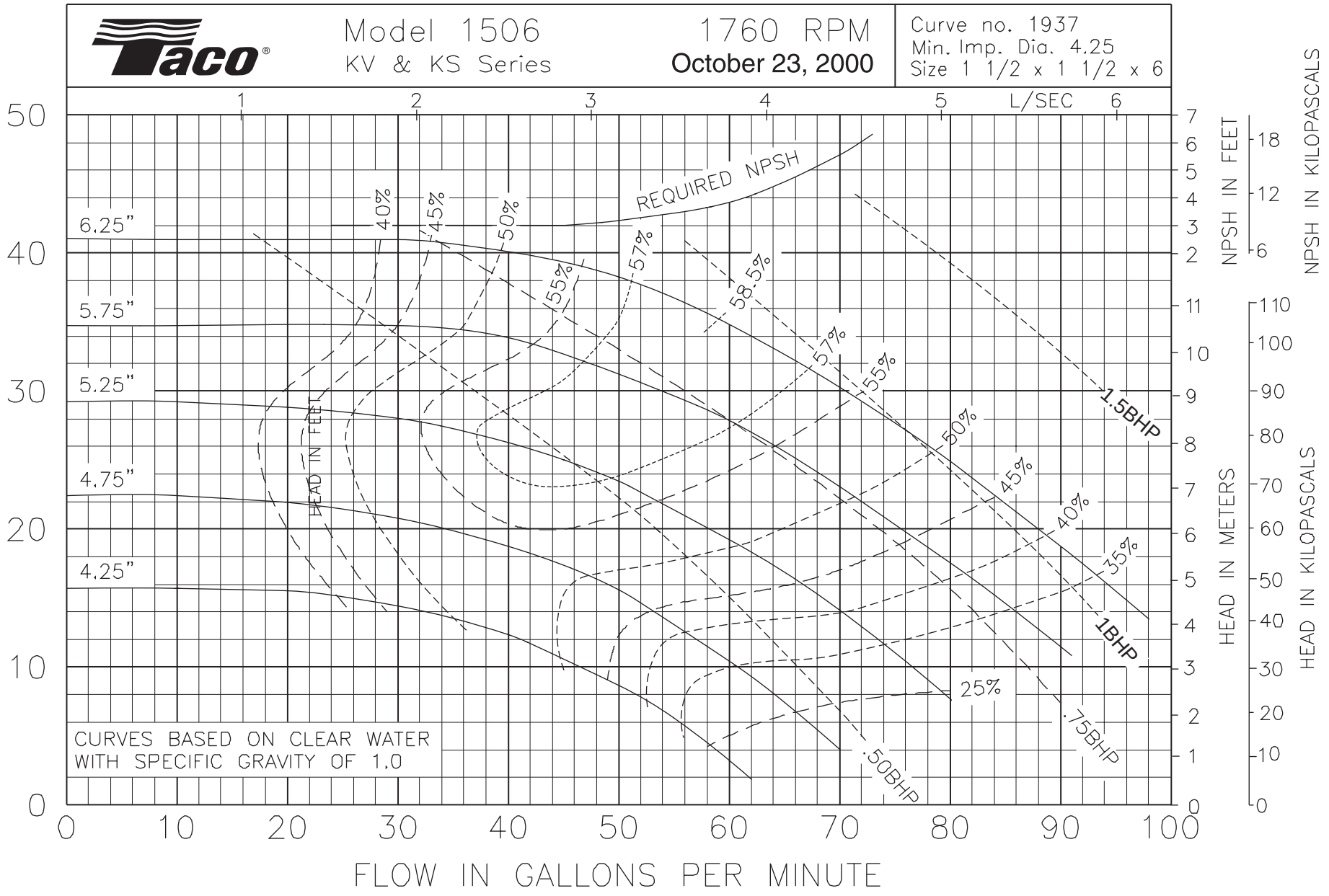
1760 RPM
AUGUST 22, 2011

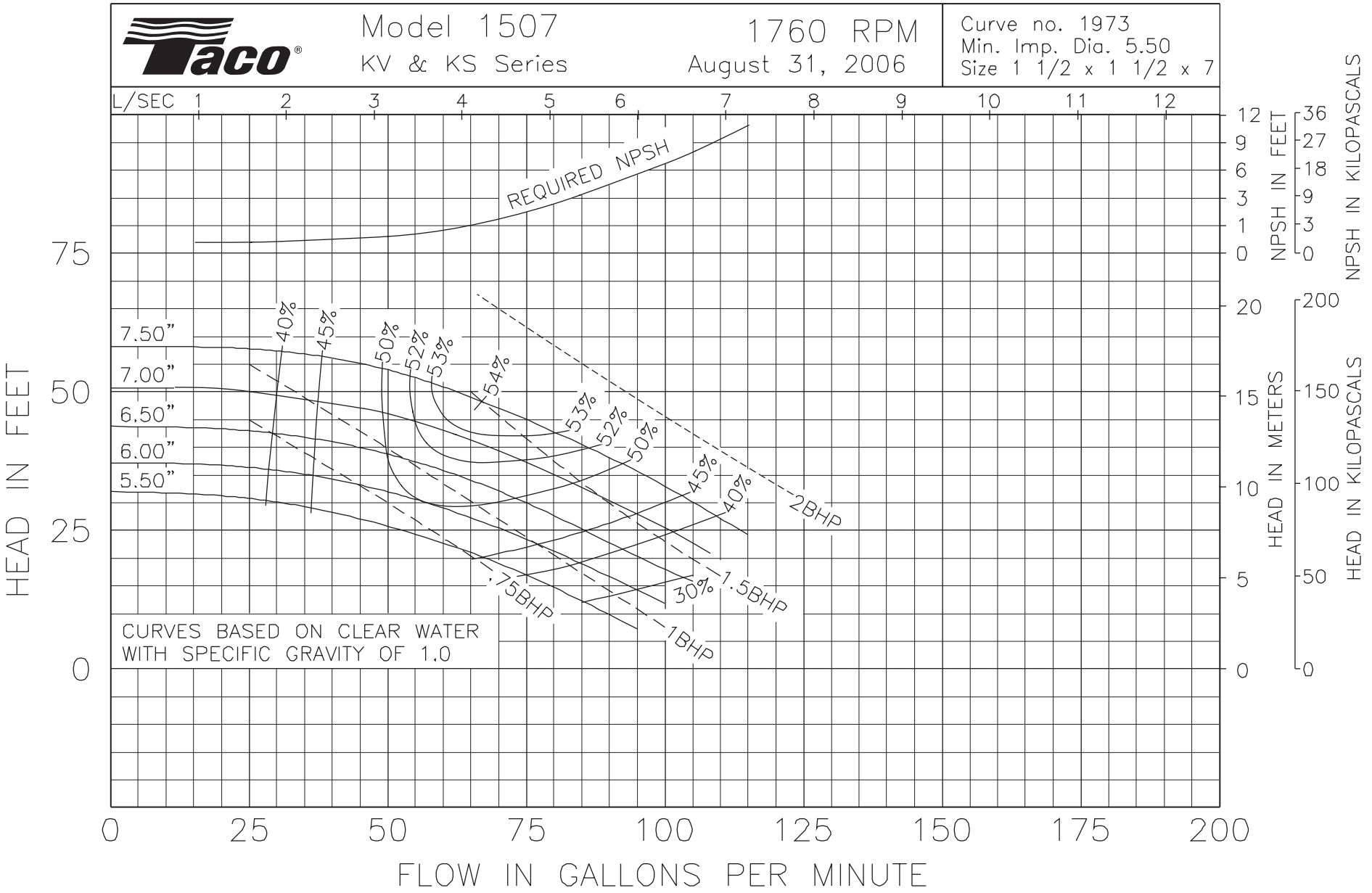
Curve no. 2437
Min. Imp. Dia. 9.5"
Size 12 X 12 X 13

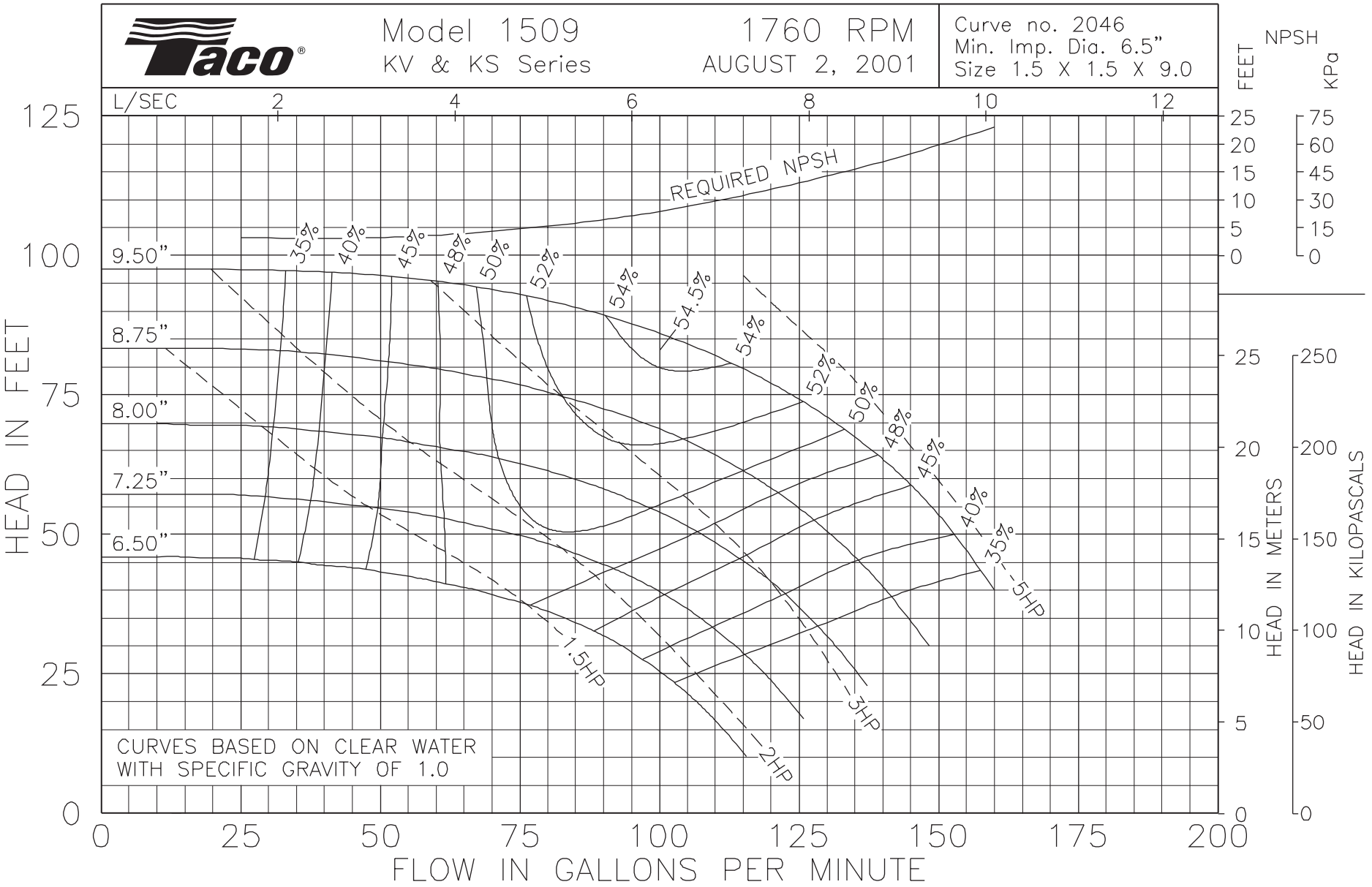


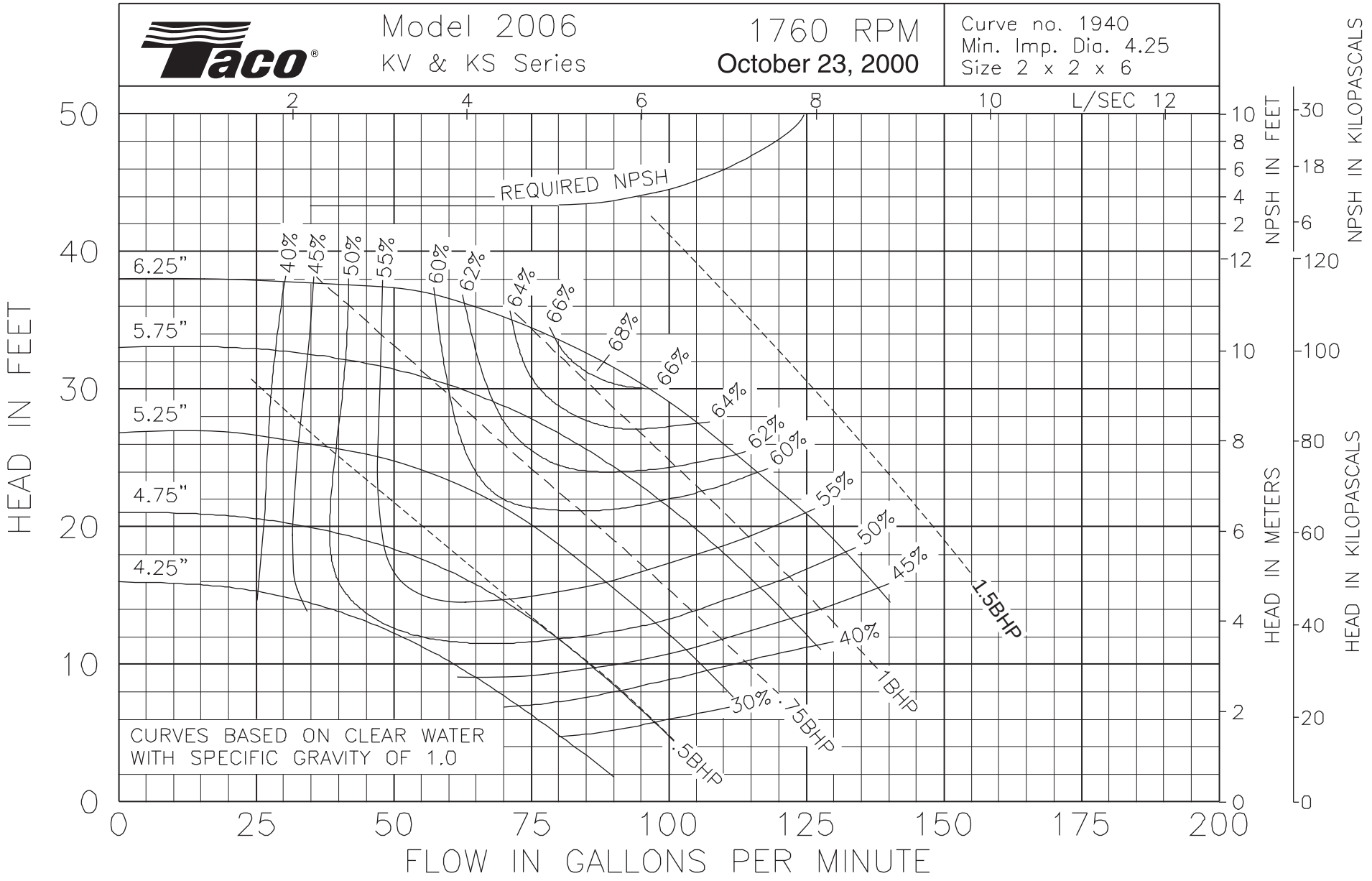

Taco
Model 1217 1760 RPM
KS Series November 18, 2009
Curve no. 2619
Min. Imp. Dia. 13.5"
Size 12 X 12 X 17
L/SEC 100 200 300 400 500 600 700 800 900
FEET
NPSH
KPa
240
180
120
60
0
REQUIRED NPSHR
600HP(447.6KW)
500HP(373KW)
450HP(336KW)
400HP(298.4KW)
350HP(261KW)
300HP(224KW)
250HP(186.5KW)
70%
74%
78%
80%
82%
84%
86%
88%
89%
90%
91%
17.3"(439.4mm)
16.5"(419.1mm)
15.5"(393.7mm)
14.5"(368.3mm)
13.5"(342.9mm)
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE

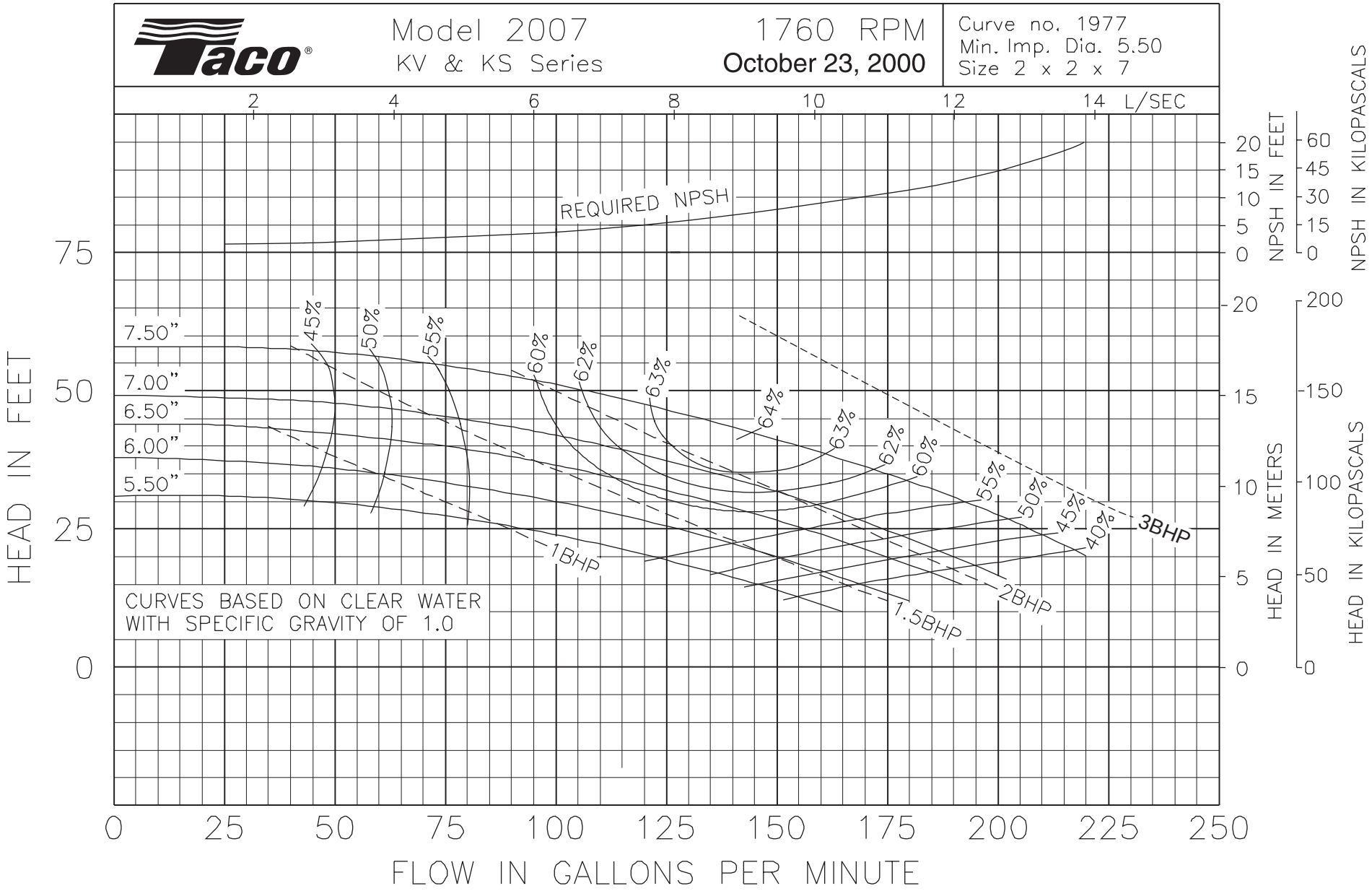

Taco
Model 1415B
KS Series
1760 RPM
MAY 1, 2010
Curve no. 2600
Min. Imp. Dia. 12.5"
Size 14 X 14 X 16
L/SEC 100 200 300 400 500 600 800 900 1000 1100 1200 1300
FEET
NPSH
KPa
REQUIRED NPSHR
16.13"(409.8mm)
15.10"(383.5mm)
14.00"(355.6mm)
13.25"(336.6mm)
12.50"(317.5mm)
70%
75%
80%
84%
86%
88%
89%
90%
600HP(447.6KW)
500HP(373KW)
450HP(336KW)
400HP(298.4KW)
350HP(261KW)
300HP(224KW)
250HP(186.5KW)
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
0 2000 4000 6000 8000 10000 12000 14000 16000 18000 20000
FLOW IN GALLONS PER MINUTE

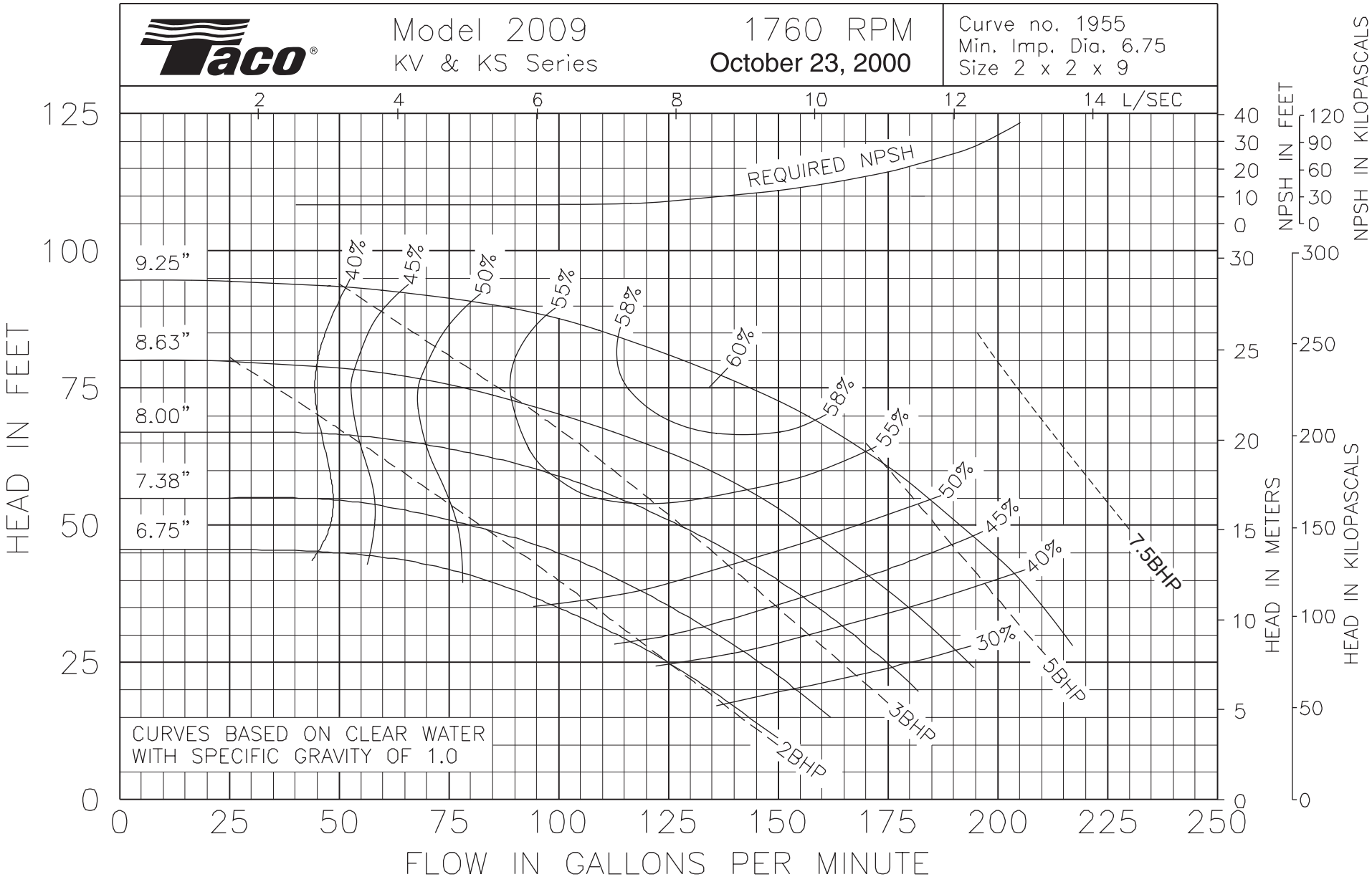

Taco
Model 1506
KV & KS Series
1760 RPM
October 23, 2000
Curve no. 1937
Min. Imp. Dia. 4.25
Size 1 1/2 x 1 1/2 x 6
L/SEC
REQUIRED NPSH
6.25"
5.75"
5.25"
4.75"
4.25"
40%
45%
50%
55%
57%
58.5%
25%
35%
1.5BHP
1BHP
.75BHP
.50BHP
HEAD IN FEET
NPSH IN FEET
NPSH IN KILOPASCALS
HEAD IN METERS
HEAD IN KILOPASCALS
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
FLOW IN GALLONS PER MINUTE

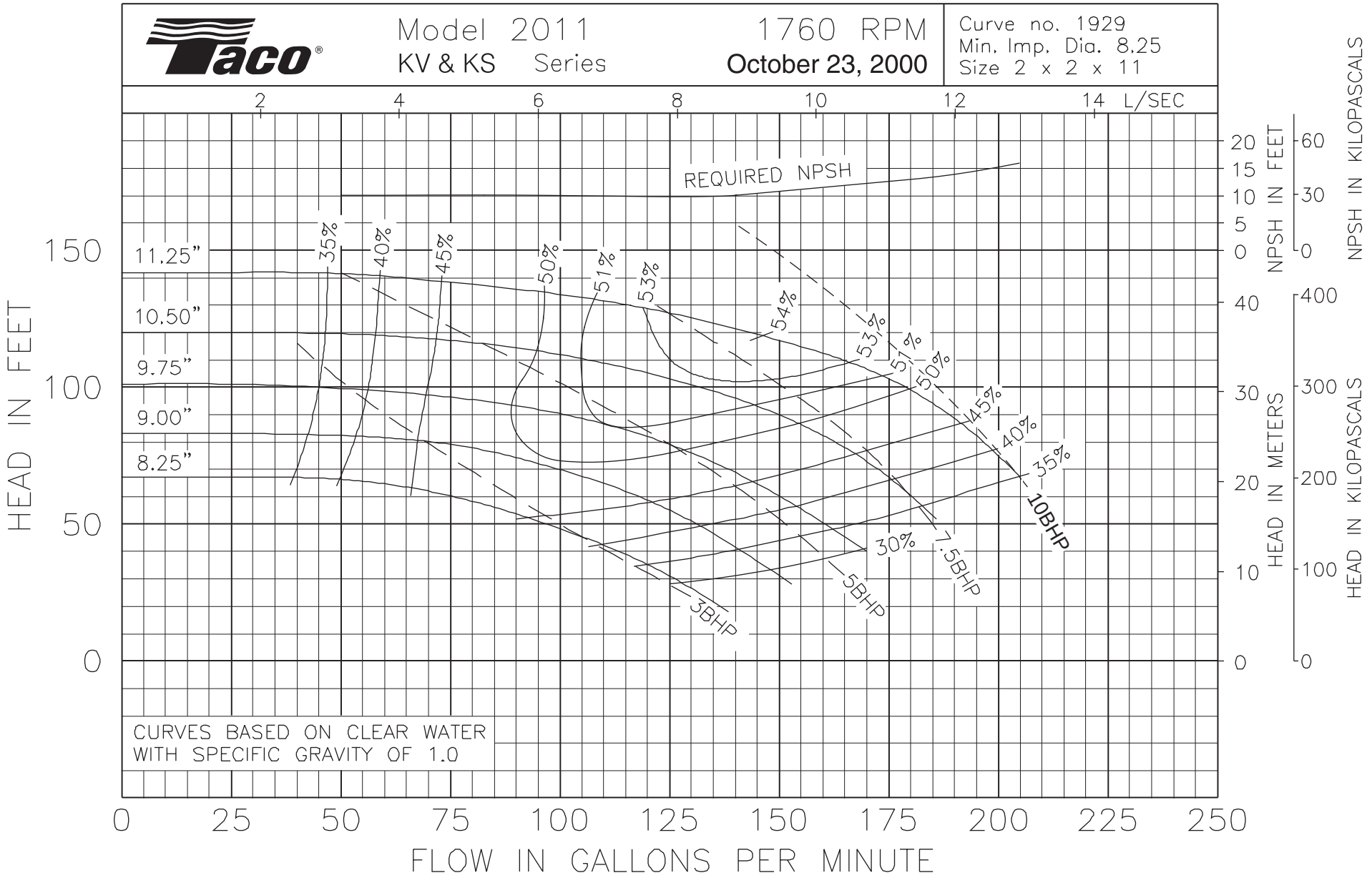

Taco
Model 1507
KV & KS Series
1760 RPM
August 31, 2006
Curve no. 1973
Min. Imp. Dia. 5.50
Size 1 1/2 x 1 1/2 x 7
L/SEC 1 2 3 4 5 6 7 8 9 10 11 12
REQUIRED NPSH
NPSH IN FEET
NPSH IN KILOPASCALS
HEAD IN METERS
HEAD IN KILOPASCALS
HEAD IN FEET
FLOW IN GALLONS PER MINUTE
7.50"
7.00"
6.50"
6.00"
5.50"
40%
45%
50%
52%
53%
54%
2BHP
1.5BHP
1BHP
.75BHP
30%
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0

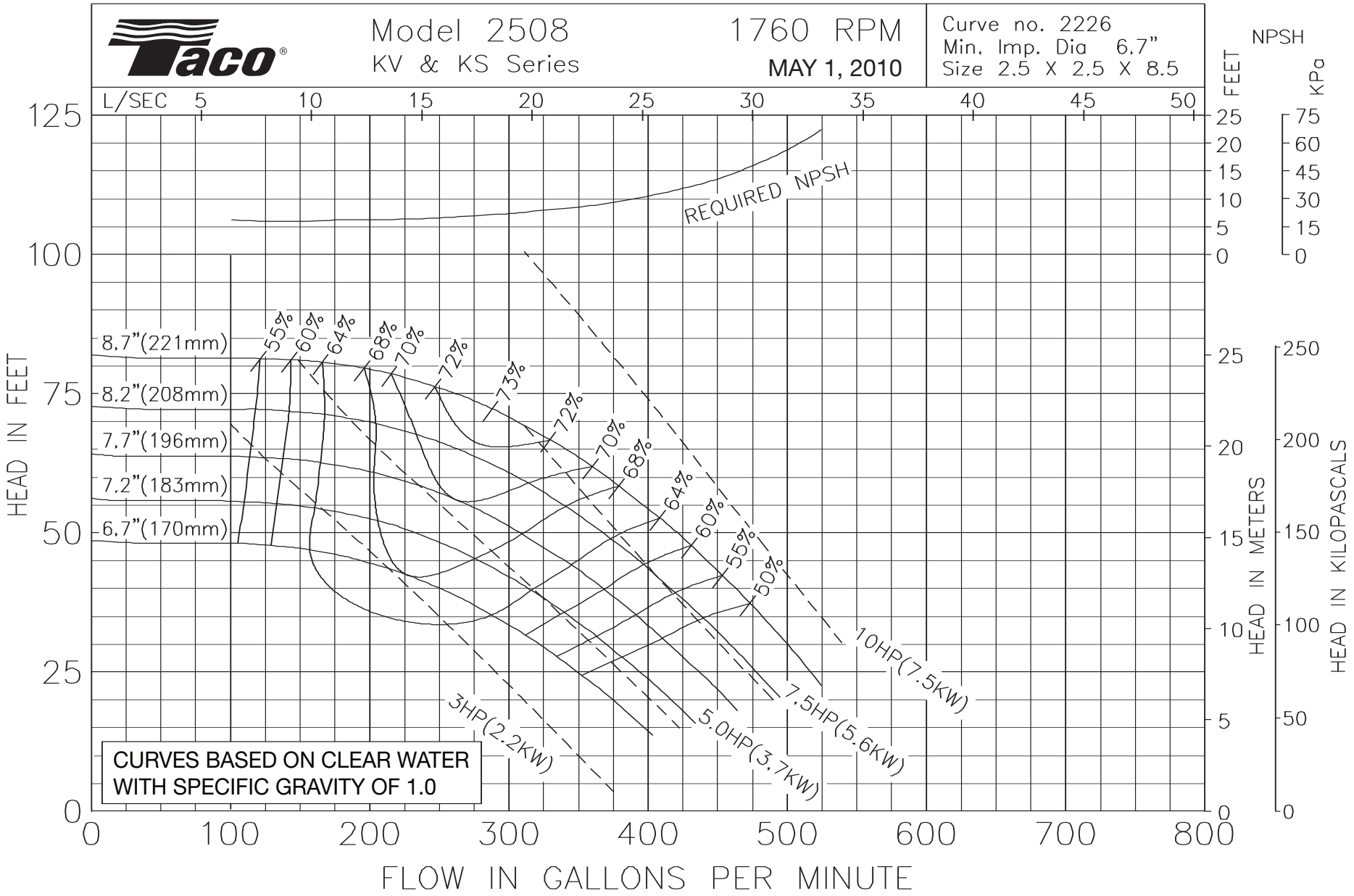

Taco
Model 1509
KV & KS Series
1760 RPM
AUGUST 2, 2001
Curve no. 2046
Min. Imp. Dia. 6.5"
Size 1.5 X 1.5 X 9.0
L/SEC
2
4
6
8
10
12
NPSH
FEET
KPa
REQUIRED NPSH
9.50"
8.75"
8.00"
7.25"
6.50"
35%
40%
45%
48%
50%
52%
54%
54.5%
54%
52%
50%
48%
45%
40%
35%
1.5HP
2HP
3HP
5HP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE

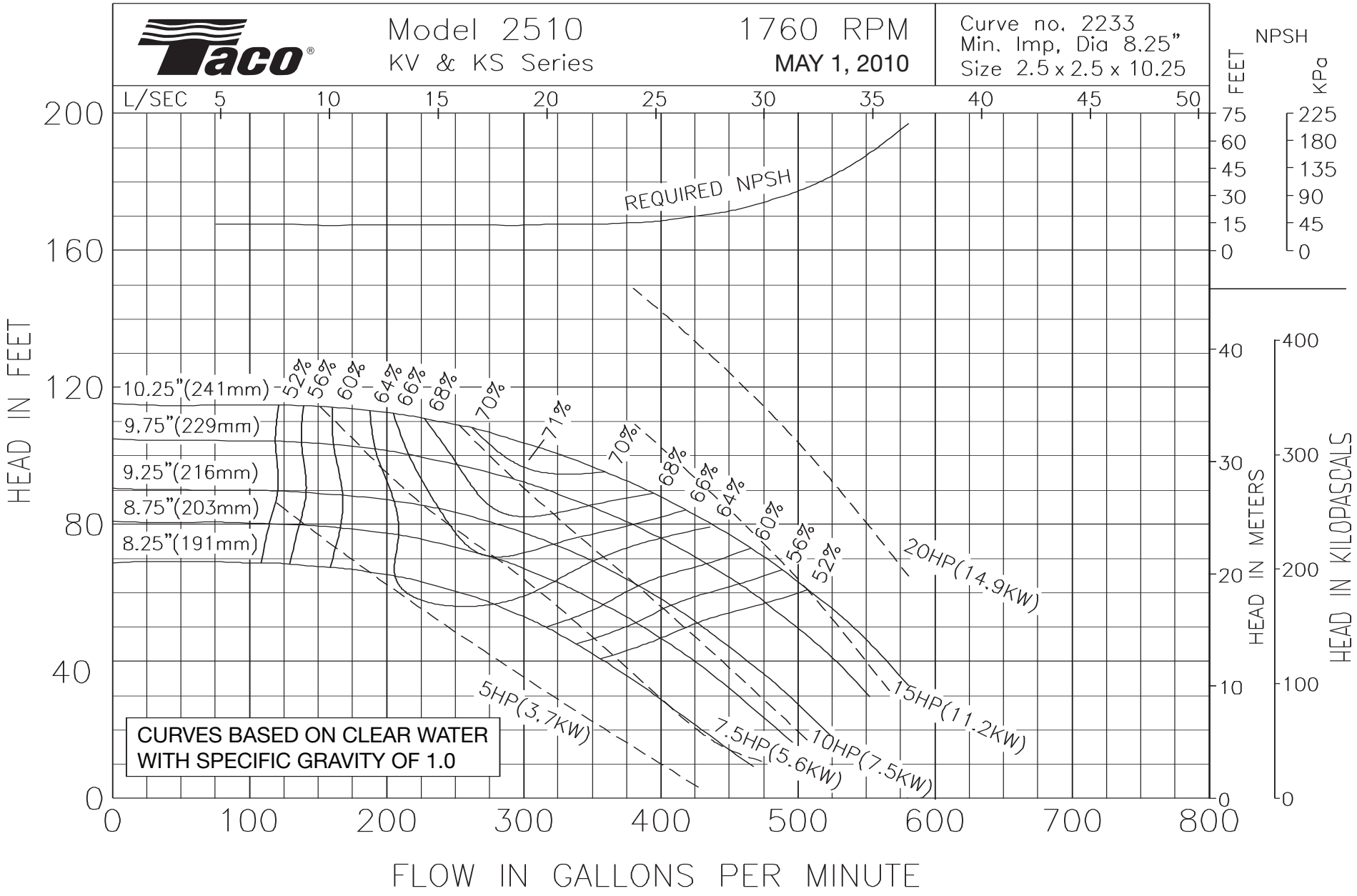

Taco
Model 2006
KV & KS Series
1760 RPM
October 23, 2000
Curve no. 1940
Min. Imp. Dia. 4.25
Size 2 x 2 x 6
HEAD IN FEET
FLOW IN GALLONS PER MINUTE
L/SEC
NPSH IN FEET
NPSH IN KILOPASCALS
HEAD IN METERS
HEAD IN KILOPASCALS
REQUIRED NPSH
6.25"
5.75"
5.25"
4.75"
4.25"
40%
45%
50%
55%
60%
62%
64%
66%
68%
.5BHP
.75BHP
1BHP
1.5BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0

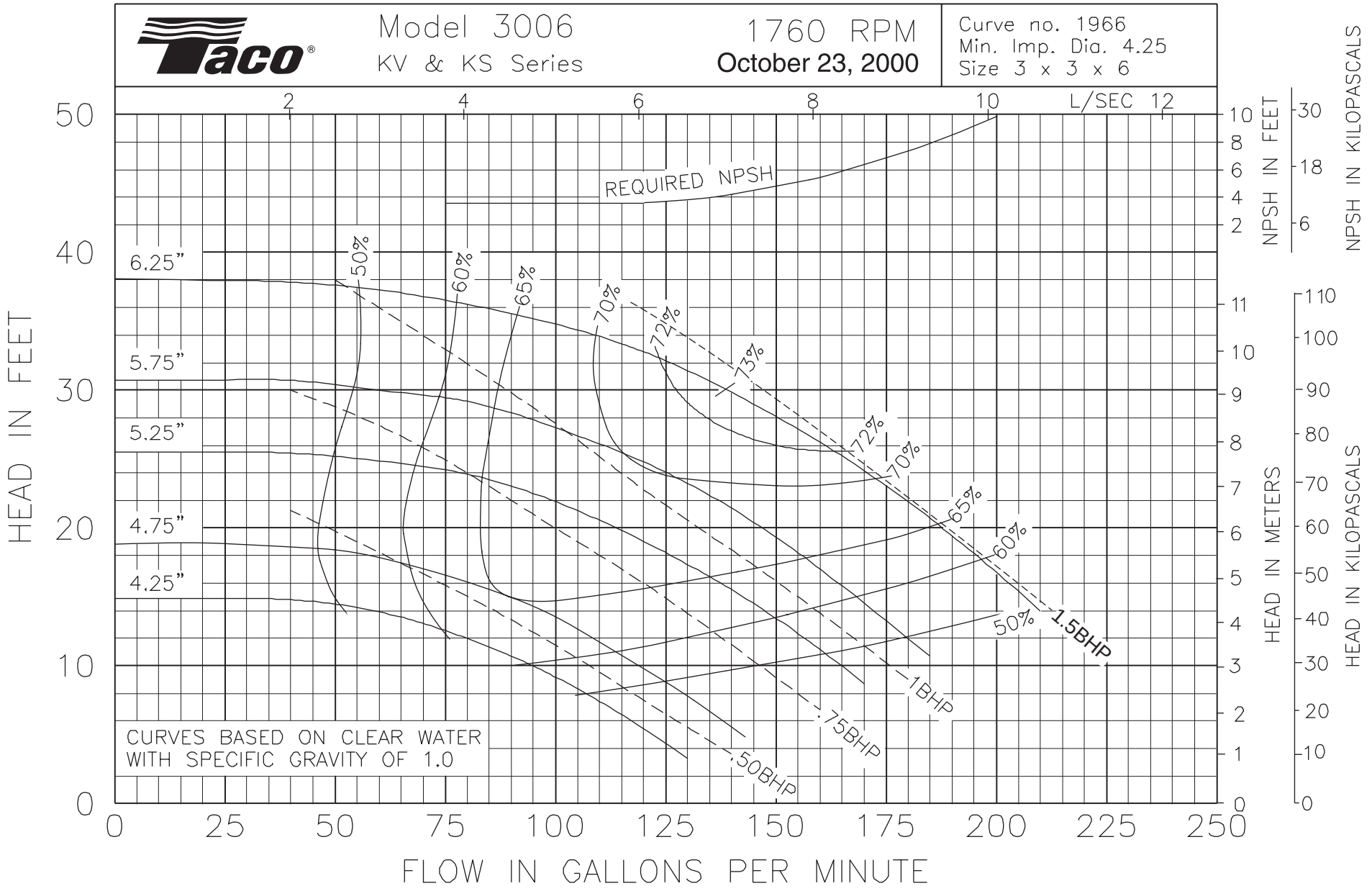

Taco
Model 2007
KV & KS Series
1760 RPM
October 23, 2000
Curve no. 1977
Min. Imp. Dia. 5.50
Size 2 x 2 x 7
2 4 6 8 10 12 14 L/SEC
REQUIRED NPSH
NPSH IN FEET
NPSH IN KILOPASCALS
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
7.50"
7.00"
6.50"
6.00"
5.50"
45%
50%
55%
60%
62%
63%
64%
1BHP
1.5BHP
2BHP
3BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
0 25 50 75 100 125 150 175 200 225 250
FLOW IN GALLONS PER MINUTE

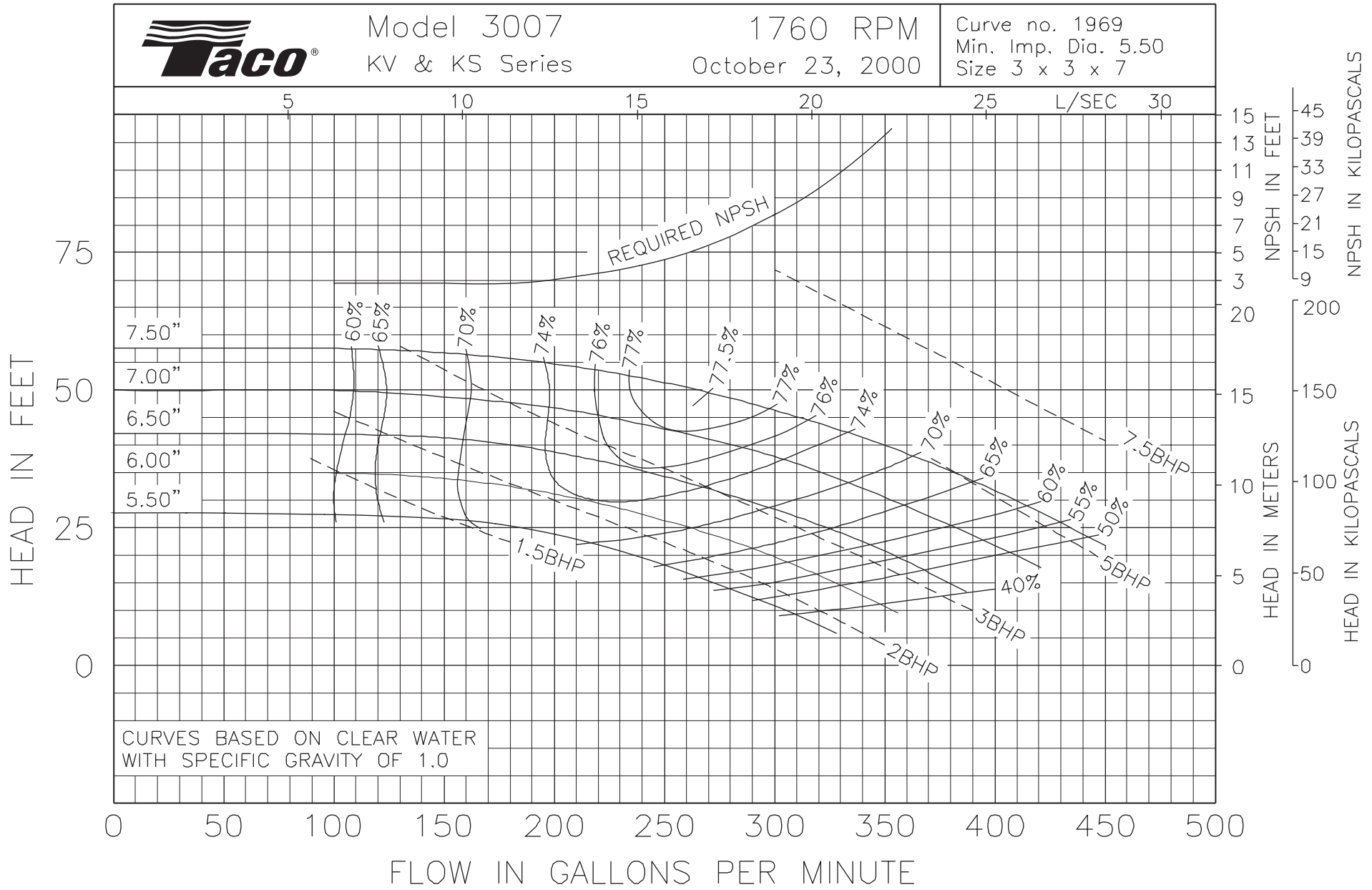

Taco
Model 2009
KV & KS Series
1760 RPM
October 23, 2000
Curve no. 1955
Min. Imp. Dia. 6.75
Size 2 x 2 x 9
2 4 6 8 10 12 14 L/SEC
REQUIRED NPSH
9.25"
8.63"
8.00"
7.38"
6.75"
40%
45%
50%
55%
58%
60%
7.5BHP
5BHP
3BHP
2BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
NPSH IN FEET
NPSH IN KILOPASCALS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE
0 25 50 75 100 125 150 175 200 225 250

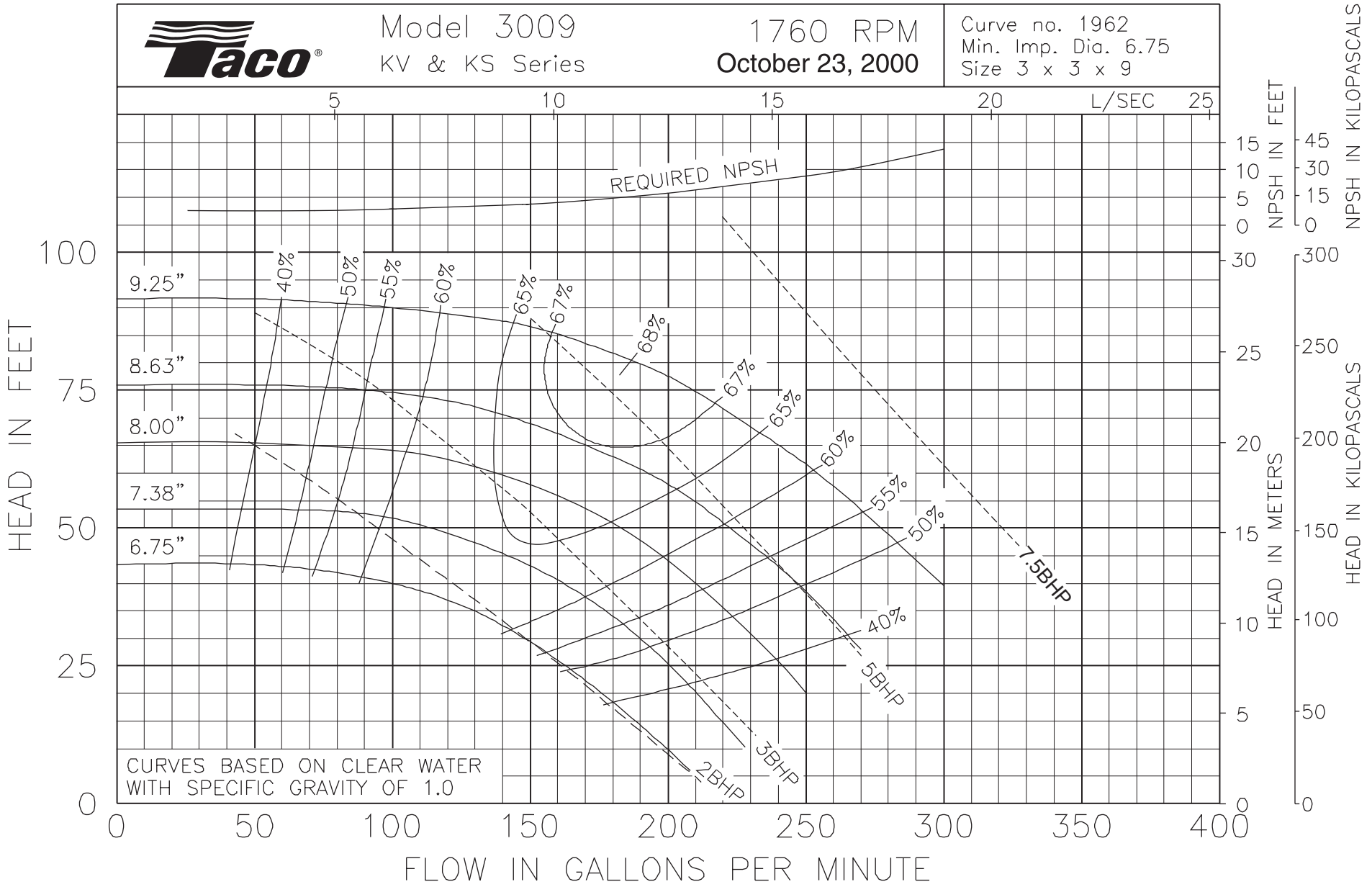

Taco
Model 2011
KV & KS Series
1760 RPM
October 23, 2000
Curve no. 1929
Min. Imp. Dia. 8.25
Size 2 x 2 x 11
2 4 6 8 10 12 14 L/SEC
REQUIRED NPSH
11.25"
10.50"
9.75"
9.00"
8.25"
35%
40%
45%
50%
51%
53%
54%
30%
3BHP
5BHP
7.5BHP
10BHP
HEAD IN FEET
150
100
50
0
NPSH IN FEET
20 15 10 5 0
NPSH IN KILOPASCALS
60 30 0
HEAD IN METERS
40 30 20 10 0
HEAD IN KILOPASCALS
400 300 200 100 0
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
0 25 50 75 100 125 150 175 200 225 250
FLOW IN GALLONS PER MINUTE

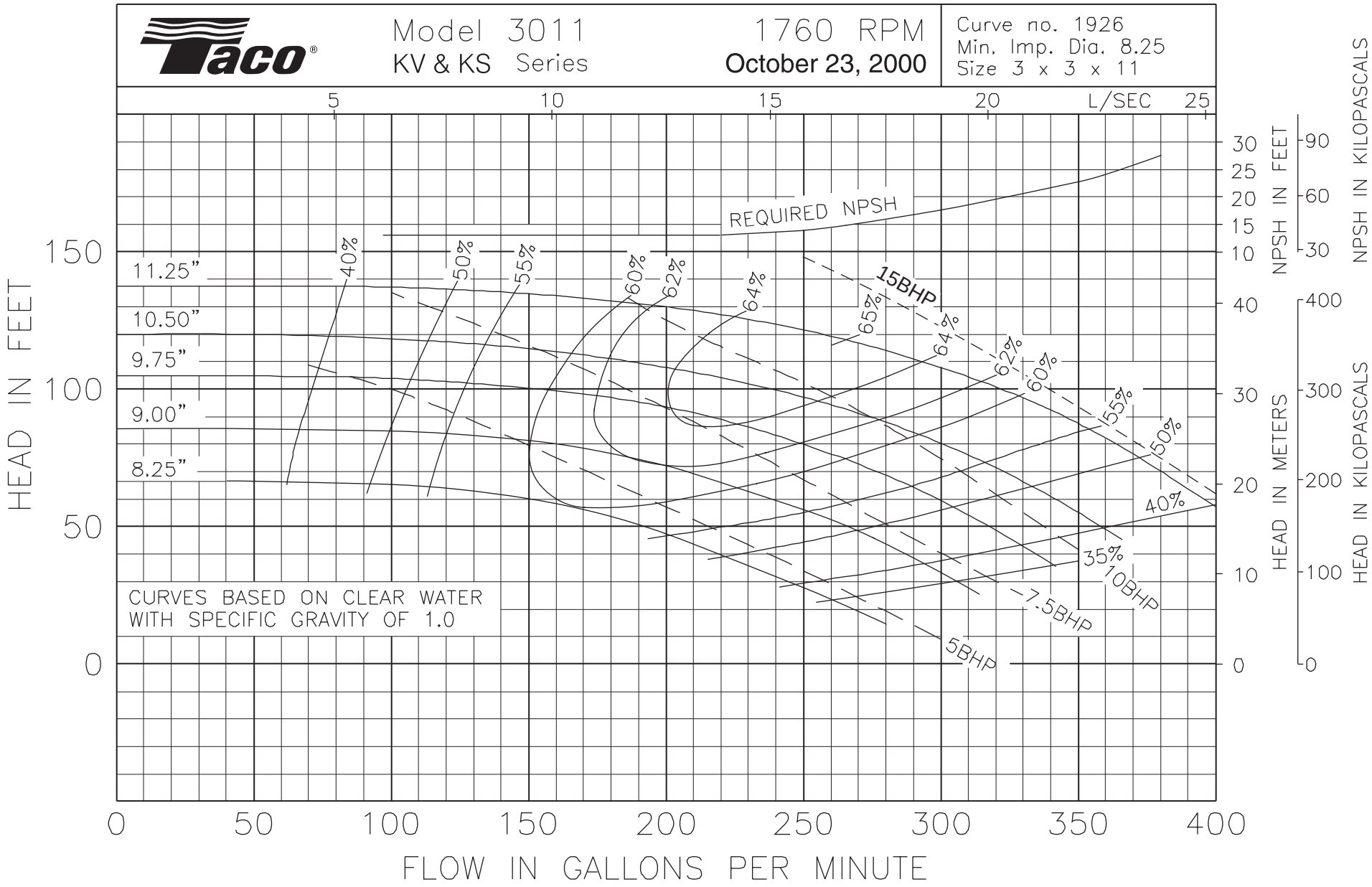

Taco
Model 2508
KV & KS Series
1760 RPM
MAY 1, 2010
Curve no. 2226
Min. Imp. Dia 6.7"
Size 2.5 X 2.5 X 8.5
L/SEC
FEET
NPSH
KPa
REQUIRED NPSH
8.7"(221mm)
8.2"(208mm)
7.7"(196mm)
7.2"(183mm)
6.7"(170mm)
55%
60%
64%
68%
70%
72%
73%
10HP(7.5KW)
7.5HP(5.6KW)
5.0HP(3.7KW)
3HP(2.2KW)
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE

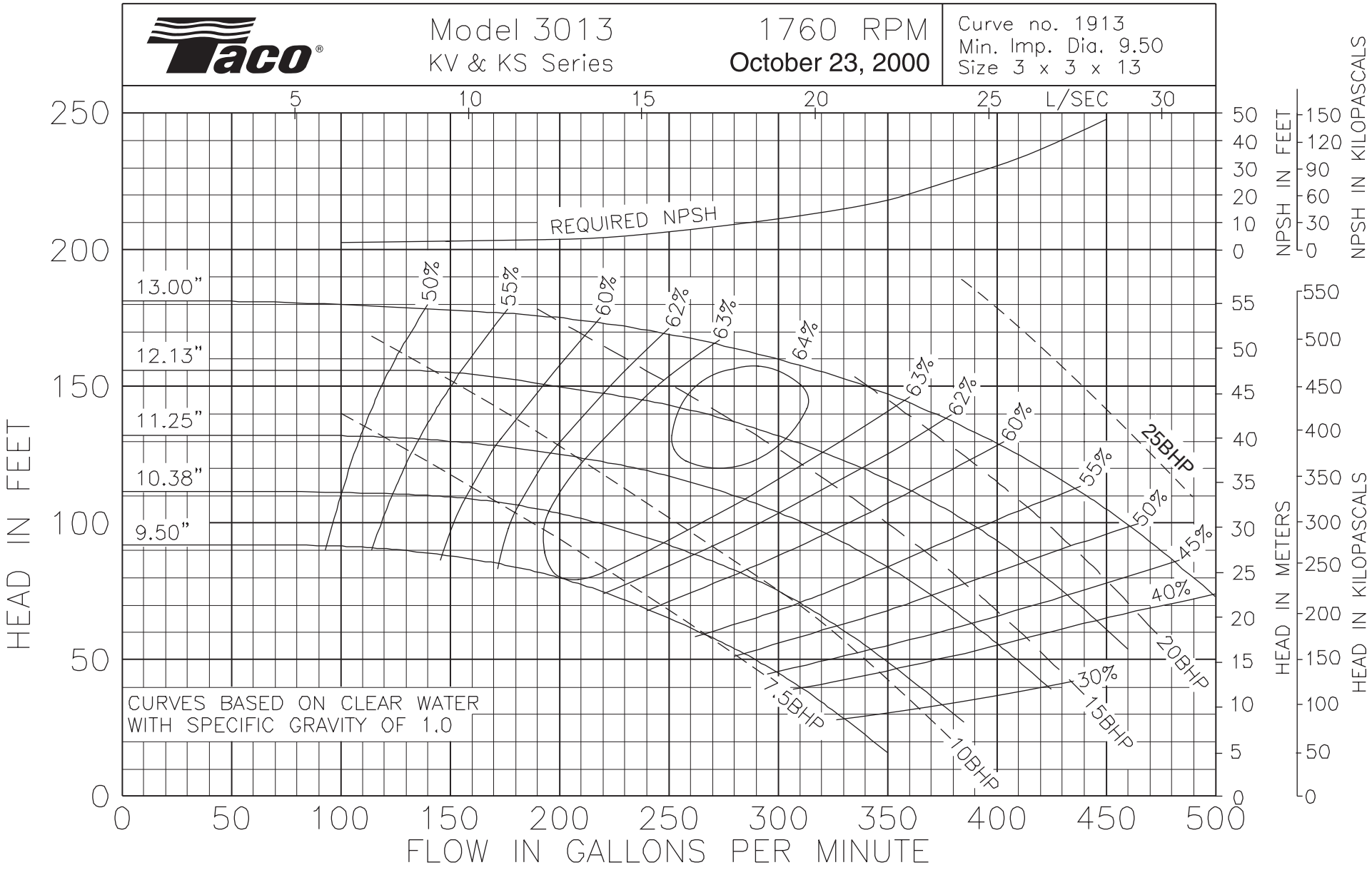

Taco
Model 2510
KV & KS Series
1760 RPM
MAY 1, 2010
Curve no. 2233
Min. Imp. Dia 8.25"
Size 2.5 x 2.5 x 10.25
L/SEC
FLOW IN GALLONS PER MINUTE
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
NPSH
FEET
KPa
REQUIRED NPSH
10.25"(241mm)
9.75"(229mm)
9.25"(216mm)
8.75"(203mm)
8.25"(191mm)
52%
56%
60%
64%
66%
68%
70%
71%
20HP(14.9KW)
15HP(11.2KW)
10HP(7.5KW)
7.5HP(5.6KW)
5HP(3.7KW)
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0

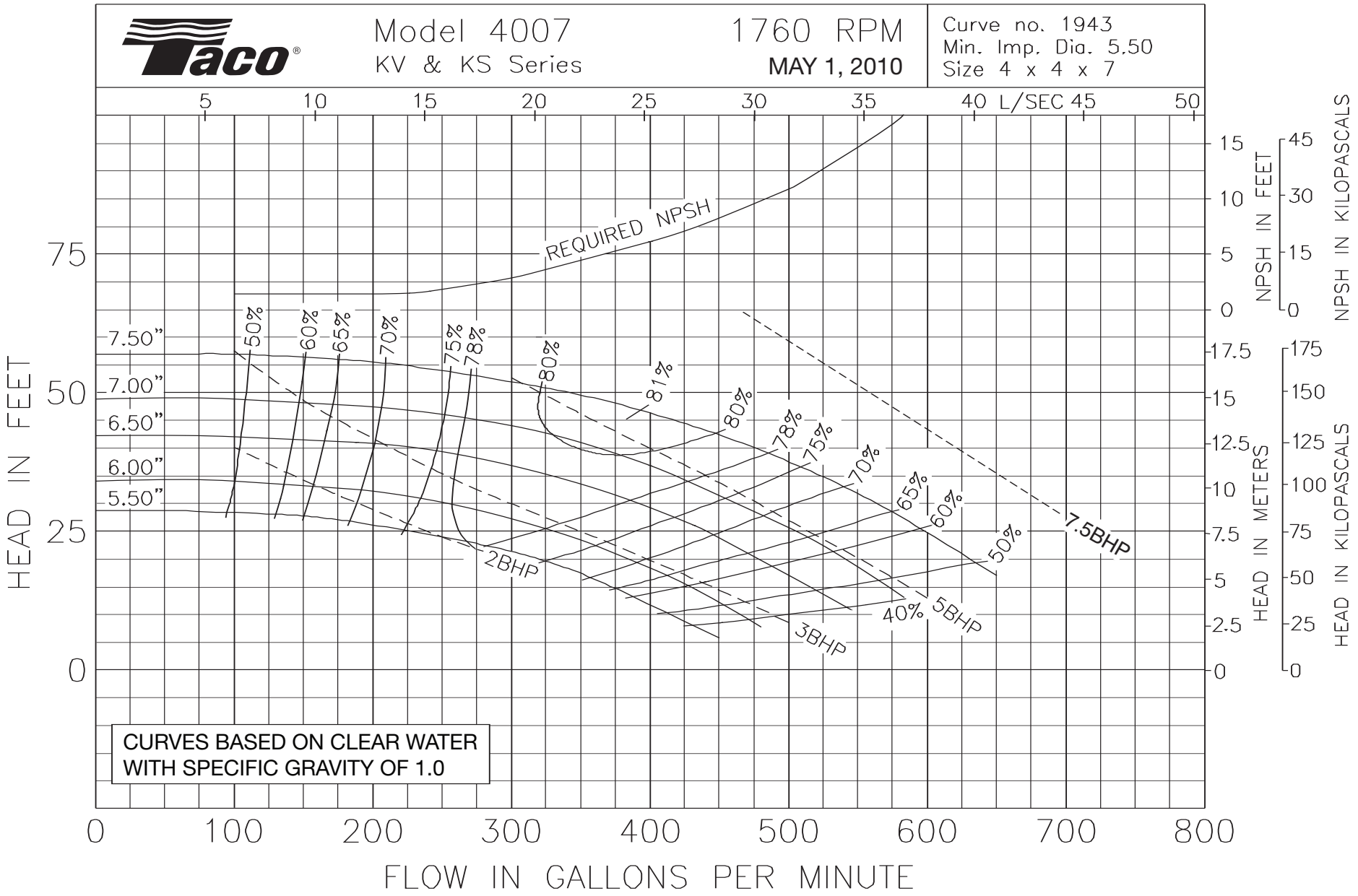

Taco
Model 3006
KV & KS Series
1760 RPM
October 23, 2000
Curve no. 1966
Min. Imp. Dia. 4.25
Size 3 x 3 x 6
L/SEC
REQUIRED NPSH
6.25"
5.75"
5.25"
4.75"
4.25"
50%
60%
65%
70%
72%
73%
1.5BHP
1BHP
.75BHP
.50BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
NPSH IN FEET
NPSH IN KILOPASCALS
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE

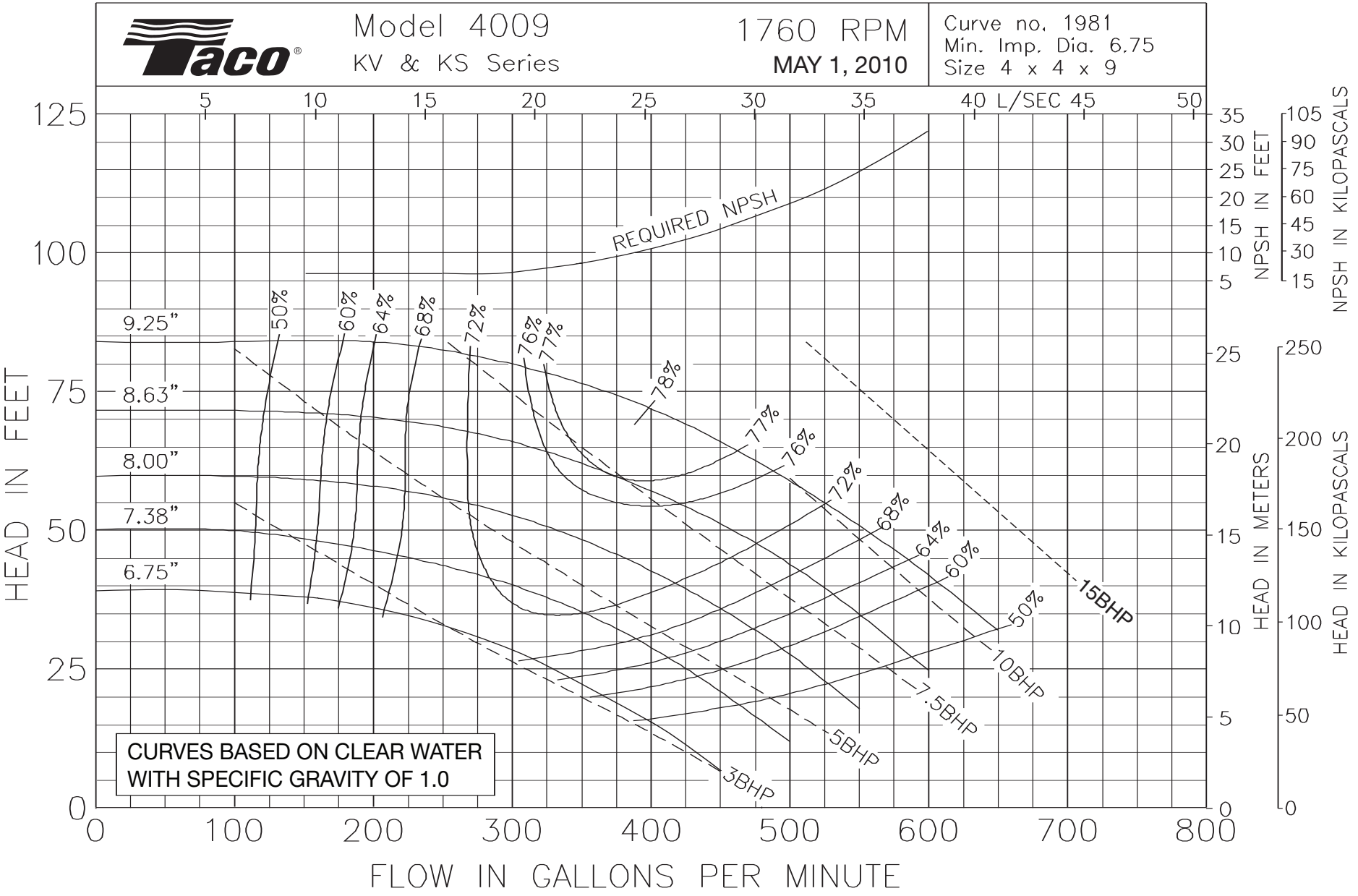

Taco
Model 3007
KV & KS Series
1760 RPM
October 23, 2000
Curve no. 1969
Min. Imp. Dia. 5.50
Size 3 x 3 x 7
L/SEC
REQUIRED NPSH
7.50"
7.00"
6.50"
6.00"
5.50"
60%
65%
70%
74%
76%
77%
77.5%
1.5BHP
2BHP
3BHP
5BHP
7.5BHP
40%
50%
55%
60%
65%
70%
74%
76%
77%
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
NPSH IN FEET
NPSH IN KILOPASCALS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE

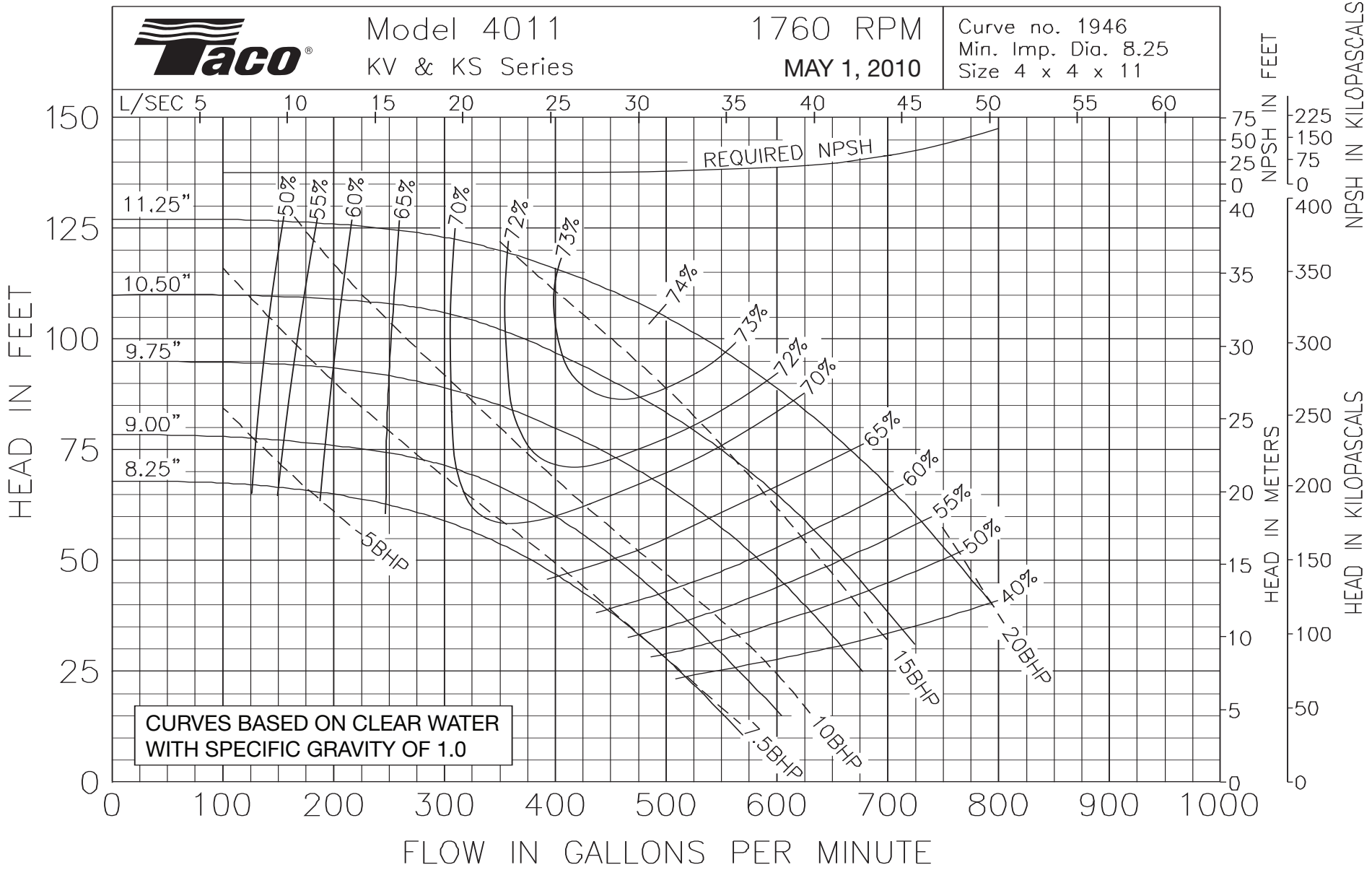

Taco
Model 3009
KV & KS Series
1760 RPM
October 23, 2000
Curve no. 1962
Min. Imp. Dia. 6.75
Size 3 x 3 x 9
REQUIRED NPSH
9.25"
8.63"
8.00"
7.38"
6.75"
40%
50%
55%
60%
65%
67%
68%
7.5BHP
5BHP
3BHP
2BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
NPSH IN FEET
NPSH IN KILOPASCALS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE
L/SEC

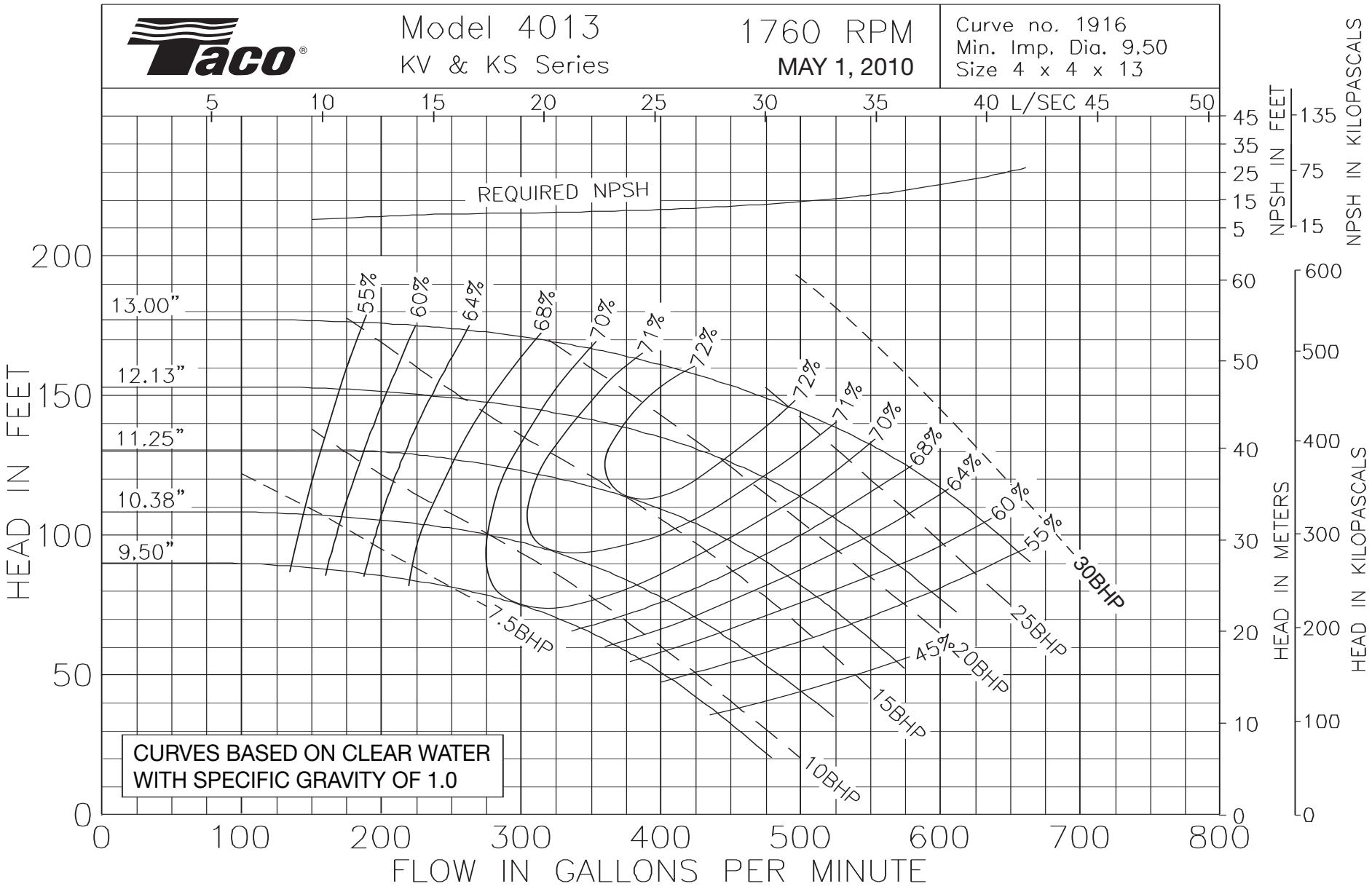

Taco
Model 3011
KV & KS Series
1760 RPM
October 23, 2000
Curve no. 1926
Min. Imp. Dia. 8.25
Size 3 x 3 x 11
L/SEC
REQUIRED NPSH
11.25"
10.50"
9.75"
9.00"
8.25"
40%
50%
55%
60%
62%
64%
65%
15BHP
10BHP
7.5BHP
5BHP
35%
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
NPSH IN FEET
NPSH IN KILOPASCALS
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE

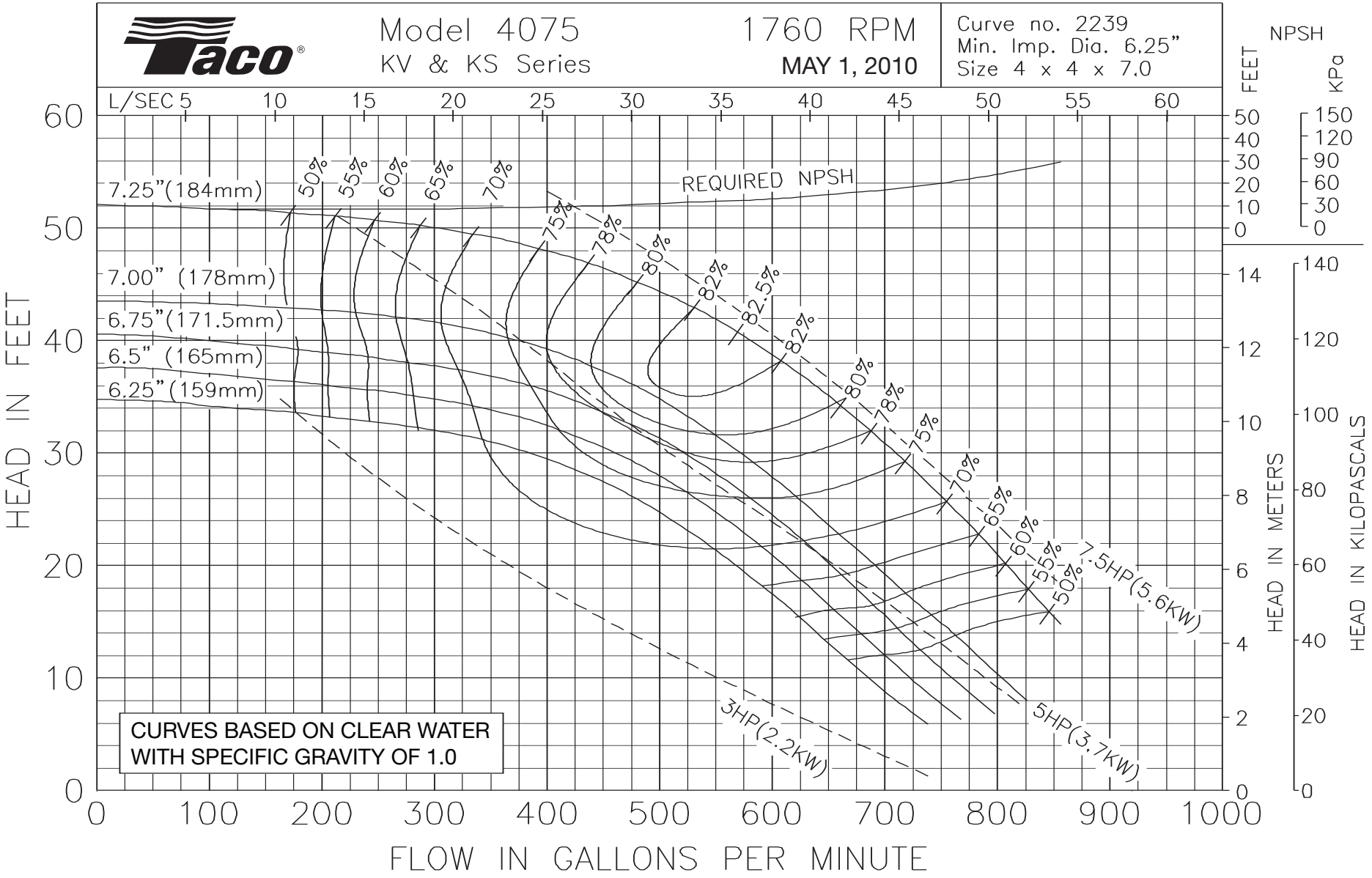

Taco
Model 3013
KV & KS Series
1760 RPM
October 23, 2000
Curve no. 1913
Min. Imp. Dia. 9.50
Size 3 x 3 x 13
REQUIRED NPSH
13.00"
12.13"
11.25"
10.38"
9.50"
50%
55%
60%
62%
63%
64%
63%
62%
60%
55%
50%
45%
40%
30%
25BHP
20BHP
15BHP
10BHP
7.5BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
FLOW IN GALLONS PER MINUTE
L/SEC
NPSH IN FEET
NPSH IN KILOPASCALS
HEAD IN METERS
HEAD IN KILOPASCALS

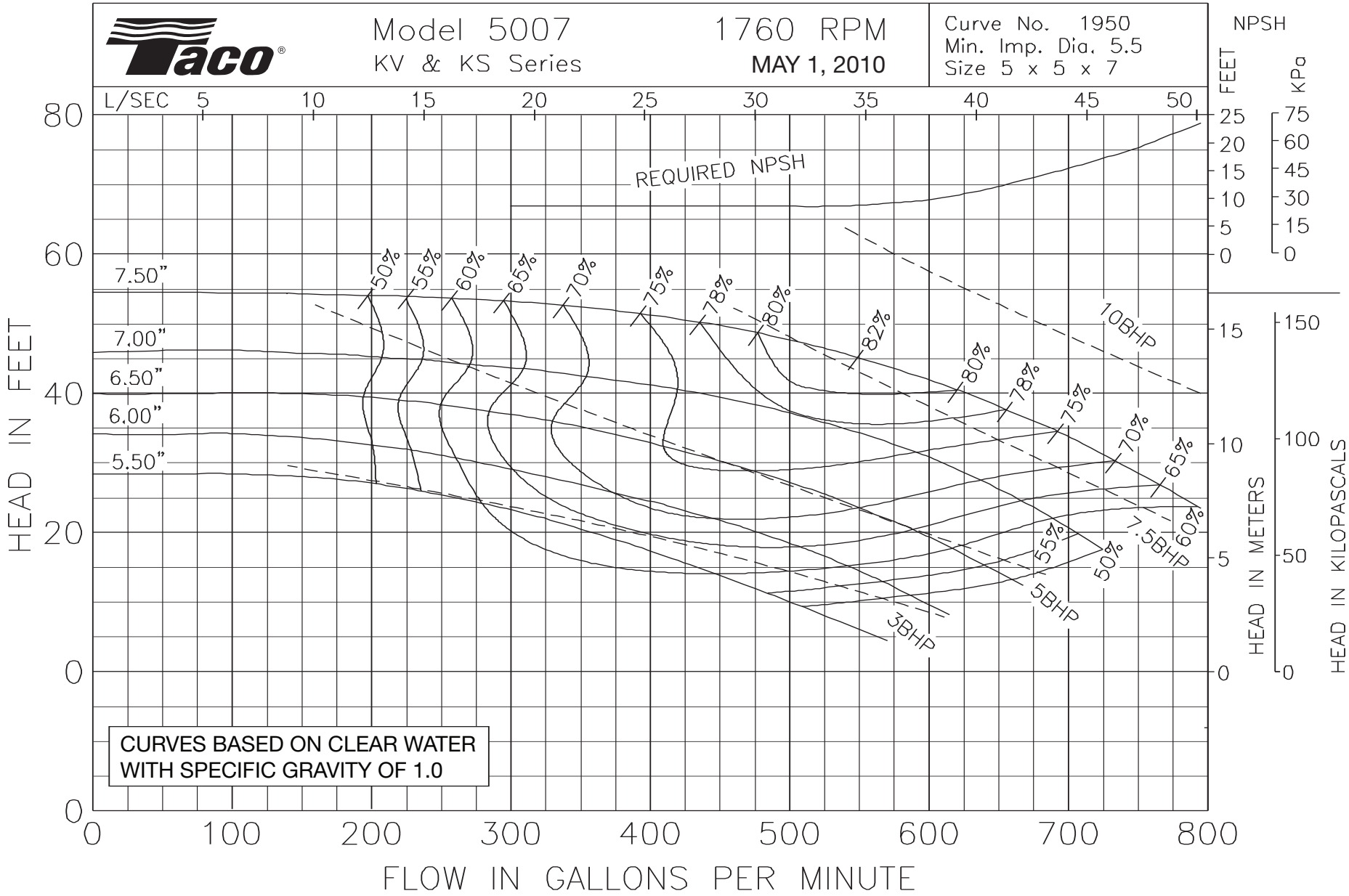

Taco
Model 4007
KV & KS Series
1760 RPM
MAY 1, 2010
Curve no. 1943
Min. Imp. Dia. 5.50
Size 4 x 4 x 7
5 10 15 20 25 30 35 40 L/SEC 45 50
REQUIRED NPSH
7.50"
7.00"
6.50"
6.00"
5.50"
50%
60%
65%
70%
75%
78%
80%
81%
80%
78%
75%
70%
65%
60%
50%
40%
7.5BHP
5BHP
3BHP
2BHP
HEAD IN FEET
75
50
25
0
NPSH IN FEET
45
30
15
0
NPSH IN KILOPASCALS
15
10
5
0
HEAD IN METERS
17.5
15
12.5
10
7.5
5
2.5
0
HEAD IN KILOPASCALS
175
150
125
100
75
50
25
0
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
0 100 200 300 400 500 600 700 800
FLOW IN GALLONS PER MINUTE

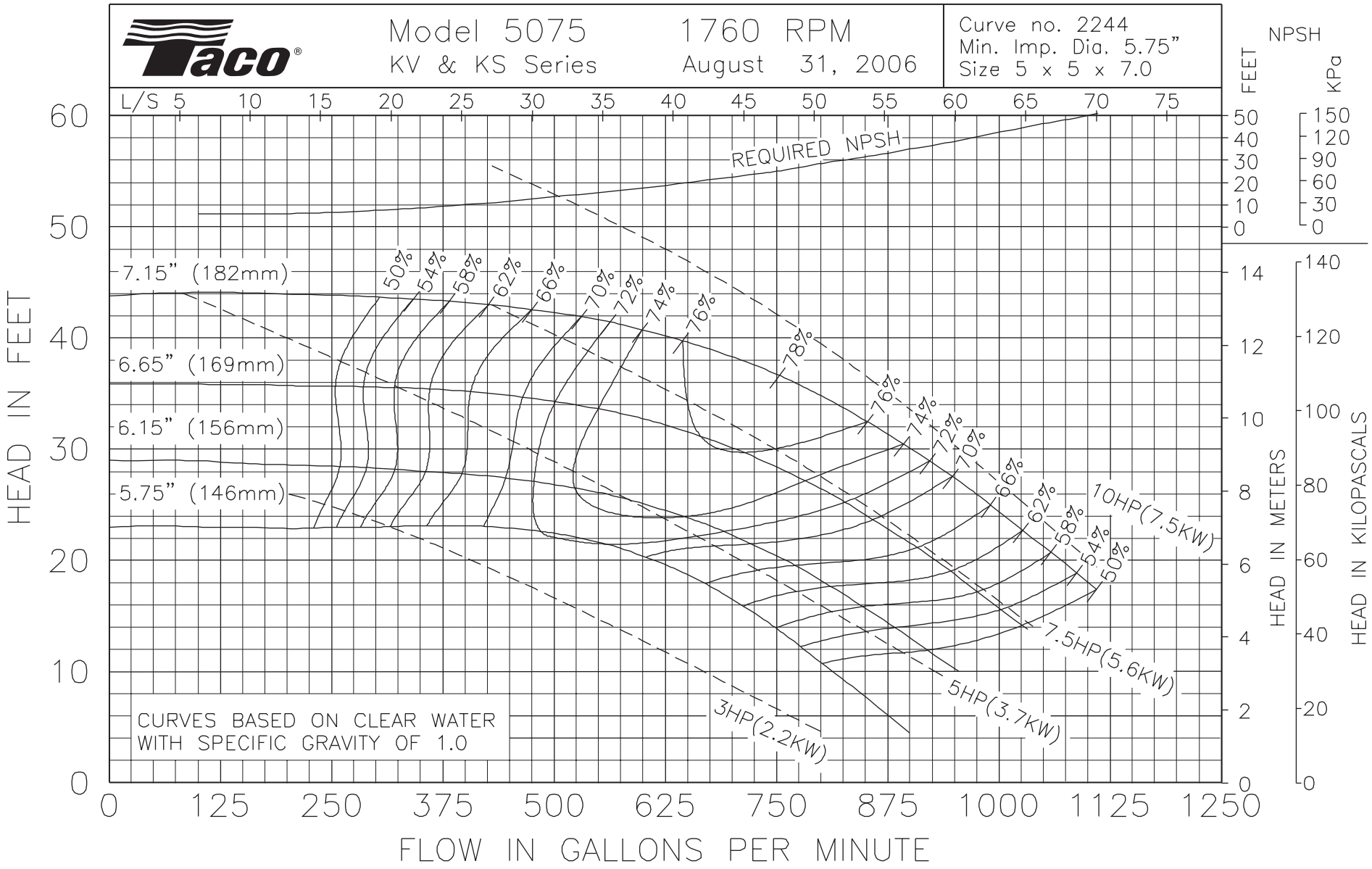

Taco
Model 4009
KV & KS Series
1760 RPM
MAY 1, 2010
Curve no. 1981
Min. Imp. Dia. 6.75
Size 4 x 4 x 9
5 10 15 20 25 30 35 40 L/SEC 45 50
125 100 75 50 25 0
HEAD IN FEET
0 100 200 300 400 500 600 700 800
FLOW IN GALLONS PER MINUTE
REQUIRED NPSH
9.25"
8.63"
8.00"
7.38"
6.75"
50%
60%
64%
68%
72%
76%
77%
78%
77%
76%
72%
68%
64%
60%
50%
15BHP
10BHP
7.5BHP
5BHP
3BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
NPSH IN FEET
35 30 25 20 15 10 5
NPSH IN KILOPASCALS
105 90 75 60 45 30 15
HEAD IN METERS
25 20 15 10 5 0
HEAD IN KILOPASCALS
250 200 150 100 50 0

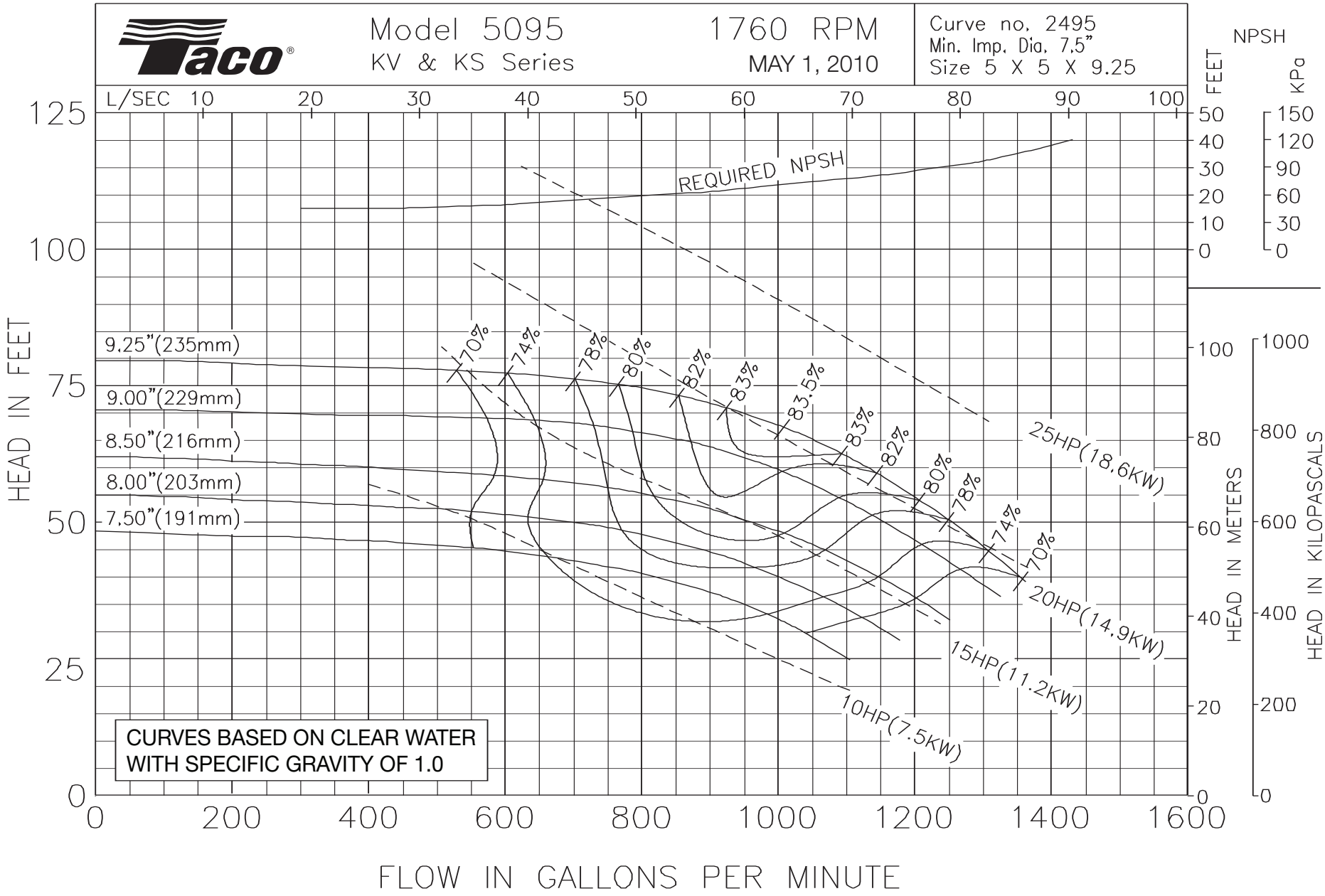

Taco
Model 4011
KV & KS Series
1760 RPM
MAY 1, 2010
Curve no. 1946
Min. Imp. Dia. 8.25
Size 4 x 4 x 11
L/SEC 5 10 15 20 25 30 35 40 45 50 55 60
REQUIRED NPSH
11.25"
10.50"
9.75"
9.00"
8.25"
50%
55%
60%
65%
70%
72%
73%
74%
5BHP
7.5BHP
10BHP
15BHP
20BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
0 25 50 75 100 125 150
0 100 200 300 400 500 600 700 800 900 1000
FLOW IN GALLONS PER MINUTE
NPSH IN FEET
0 25 50 75
HEAD IN METERS
0 5 10 15 20 25 30 35 40
NPSH IN KILOPASCALS
0 75 150 225
HEAD IN KILOPASCALS
0 50 100 150 200 250 300 350 400

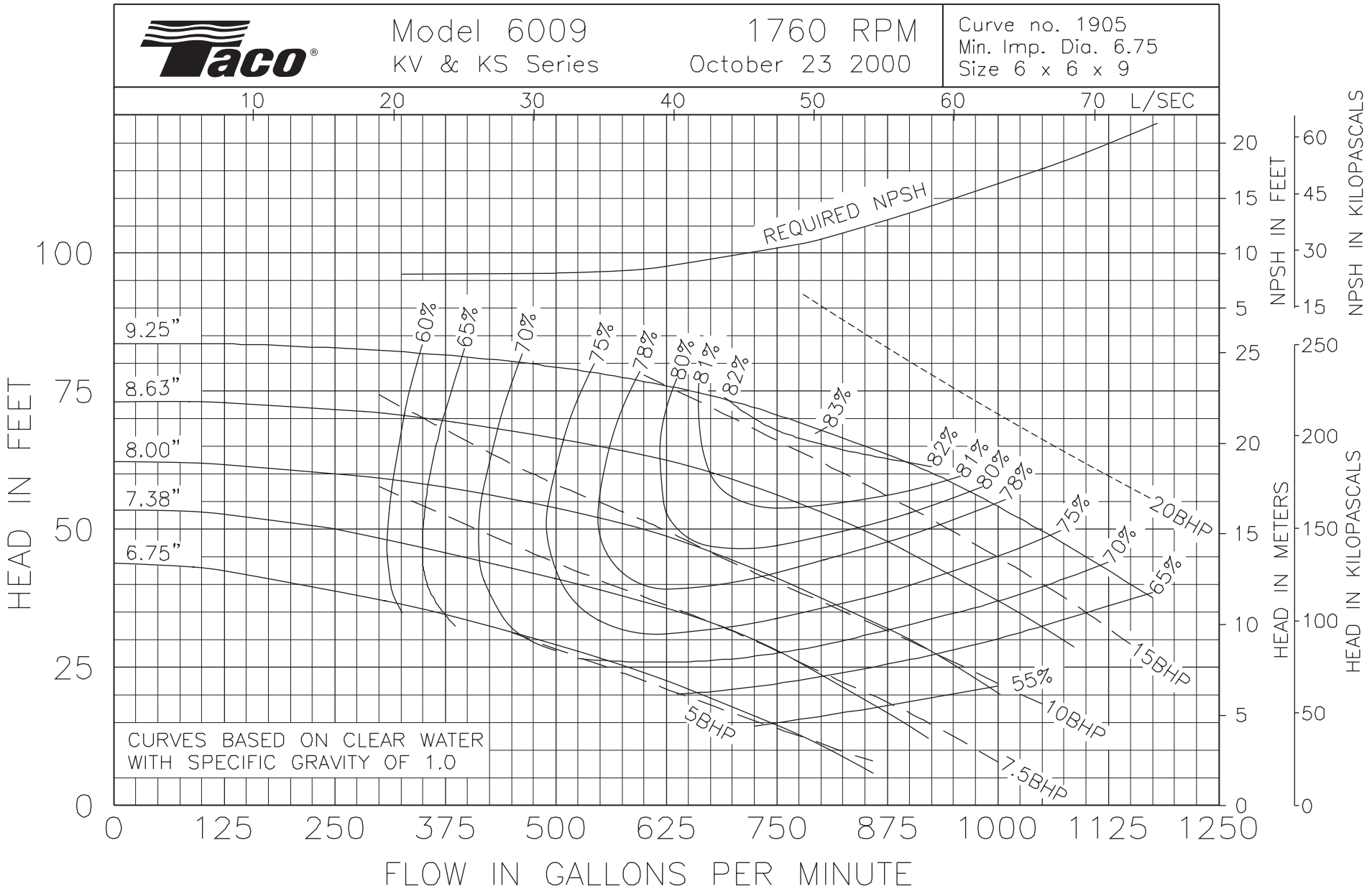

Taco
Model 4013
KV & KS Series
1760 RPM
MAY 1, 2010
Curve no. 1916
Min. Imp. Dia. 9.50
Size 4 x 4 x 13
REQUIRED NPSH
13.00"
12.13"
11.25"
10.38"
9.50"
55%
60%
64%
68%
70%
71%
72%
7.5BHP
10BHP
15BHP
20BHP
25BHP
30BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
FLOW IN GALLONS PER MINUTE
5 10 15 20 25 30 35 40 L/SEC 45 50
0 100 200 300 400 500 600 700 800
0 50 100 150 200
0 5 15 25 35 45
0 10 20 30 40 50 60
NPSH IN FEET
15 75 135
NPSH IN KILOPASCALS
HEAD IN METERS
0 100 200 300 400 500 600
HEAD IN KILOPASCALS

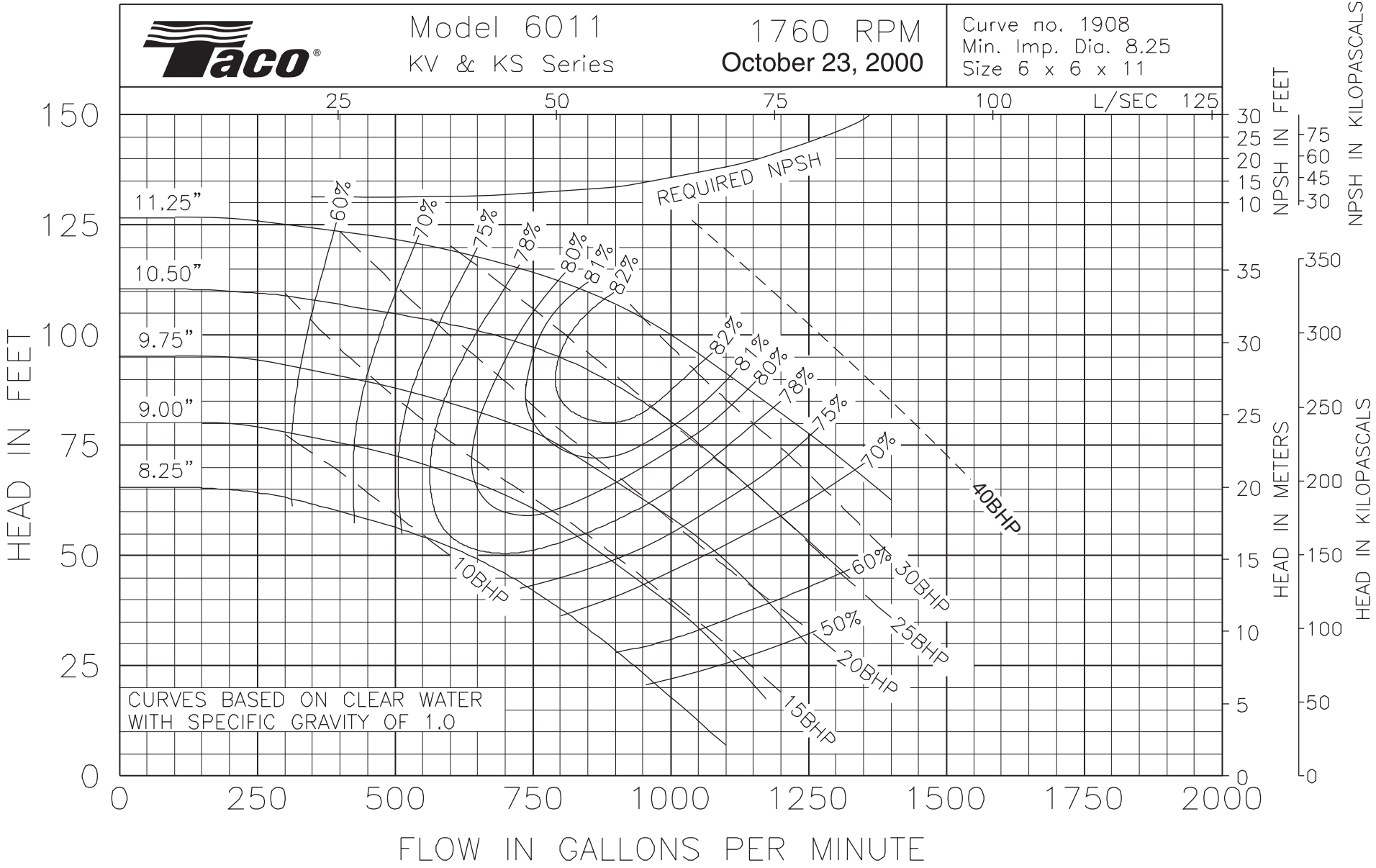

Taco
Model 4075
KV & KS Series
1760 RPM
MAY 1, 2010
Curve no. 2239
Min. Imp. Dia. 6.25"
Size 4 x 4 x 7.0
NPSH
FEET
KPa
L/SEC 5 10 15 20 25 30 35 40 45 50 55 60
7.25"(184mm)
7.00" (178mm)
6.75"(171.5mm)
6.5" (165mm)
6.25"(159mm)
REQUIRED NPSH
50%
55%
60%
65%
70%
75%
78%
80%
82%
82.5%
82%
80%
78%
75%
70%
65%
60%
55%
50%
7.5HP(5.6KW)
5HP(3.7KW)
3HP(2.2KW)
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE

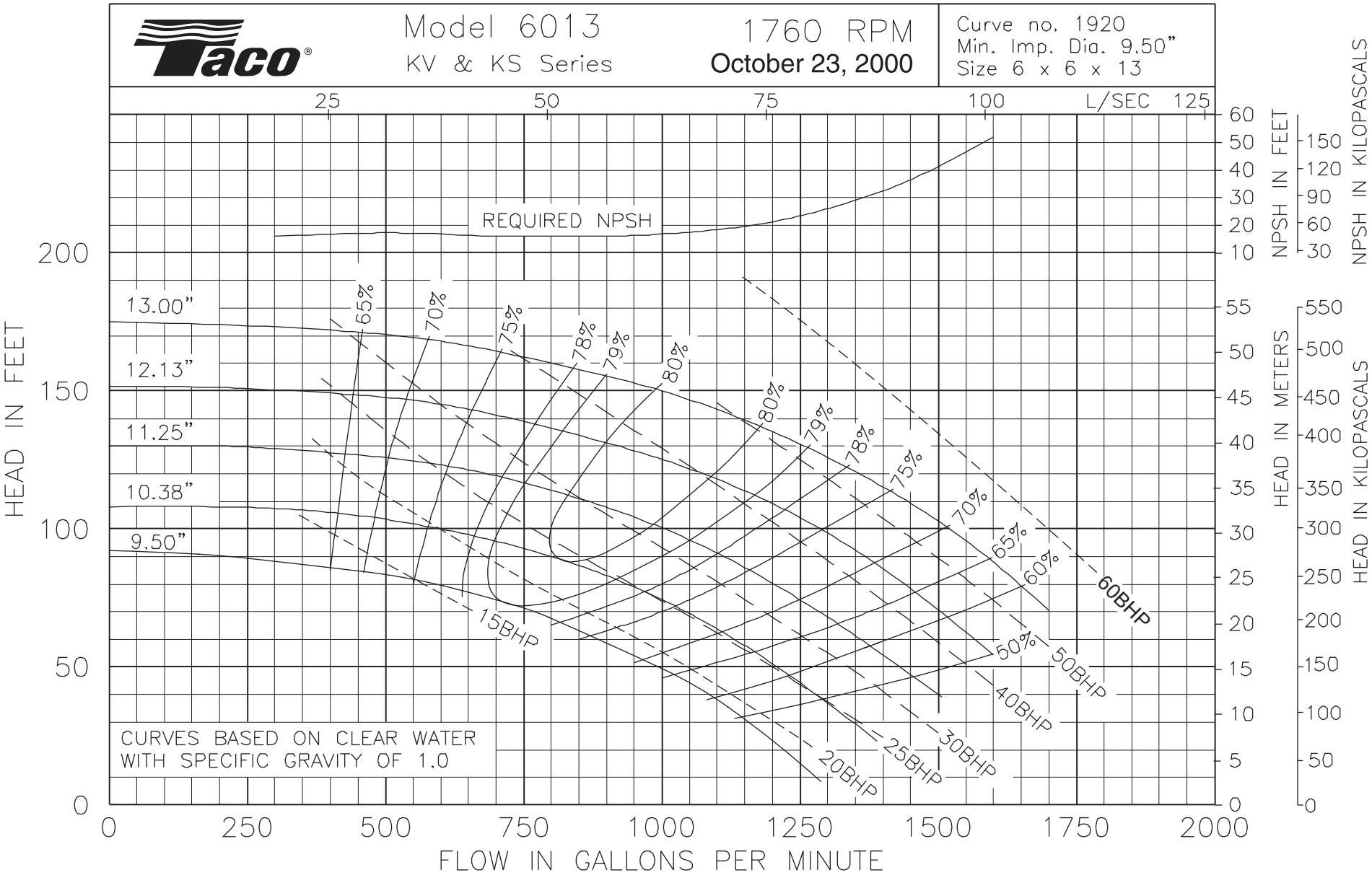

Taco
Model 5007
KV & KS Series
1760 RPM
MAY 1, 2010
Curve No. 1950
Min. Imp. Dia. 5.5
Size 5 x 5 x 7
NPSH
FEET
KPa
L/SEC
REQUIRED NPSH
7.50"
7.00"
6.50"
6.00"
5.50"
50%
55%
60%
65%
70%
75%
78%
80%
82%
10BHP
7.5BHP
5BHP
3BHP
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0

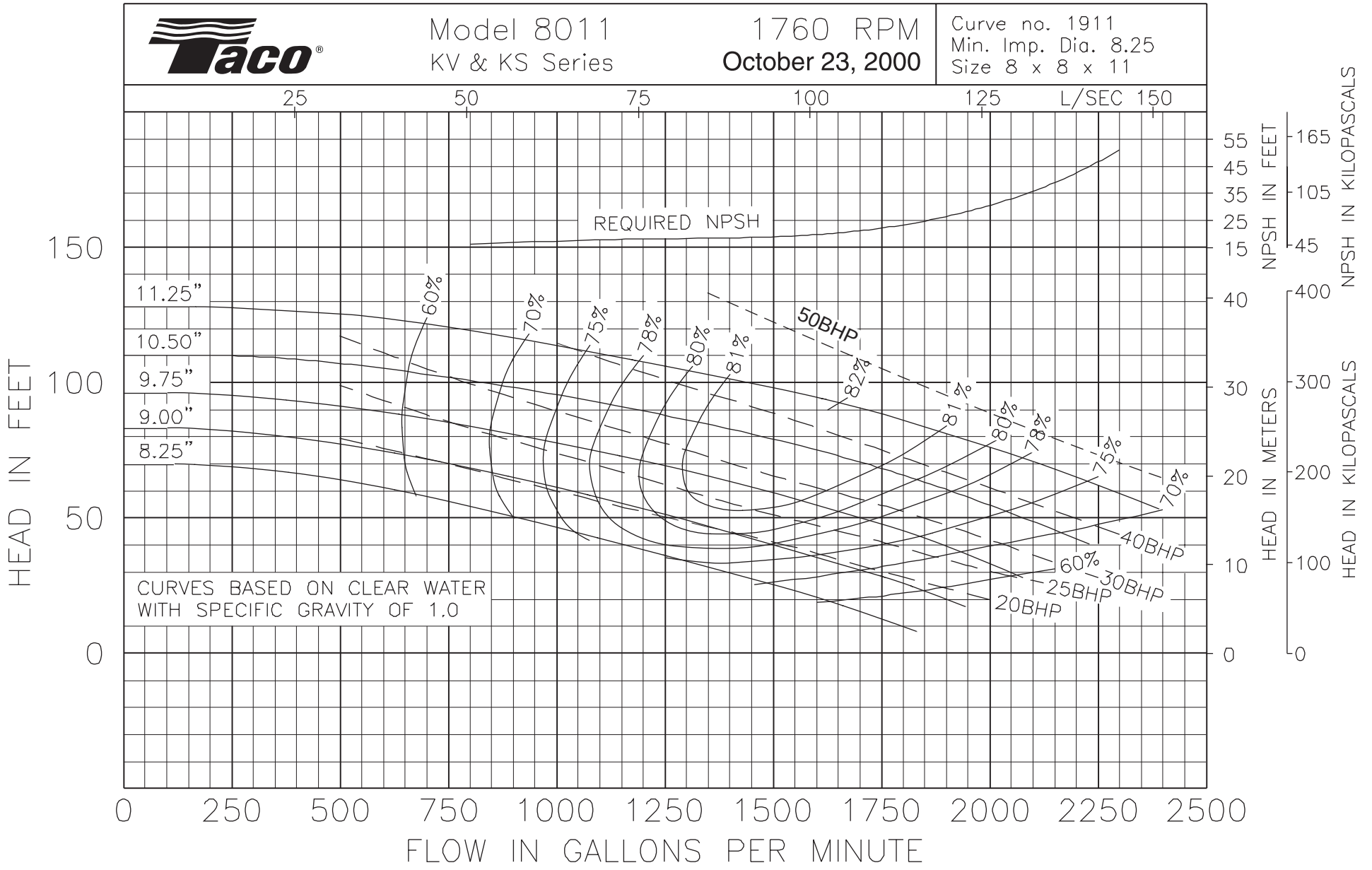

Taco
Model 5075
KV & KS Series
1760 RPM
August 31, 2006
Curve no. 2244
Min. Imp. Dia. 5.75"
Size 5 x 5 x 7.0
L/S 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75
NPSH
FEET
KPa
REQUIRED NPSH
7.15" (182mm)
6.65" (169mm)
6.15" (156mm)
5.75" (146mm)
50%
54%
58%
62%
66%
70%
72%
74%
76%
78%
10HP(7.5KW)
7.5HP(5.6KW)
5HP(3.7KW)
3HP(2.2KW)
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE

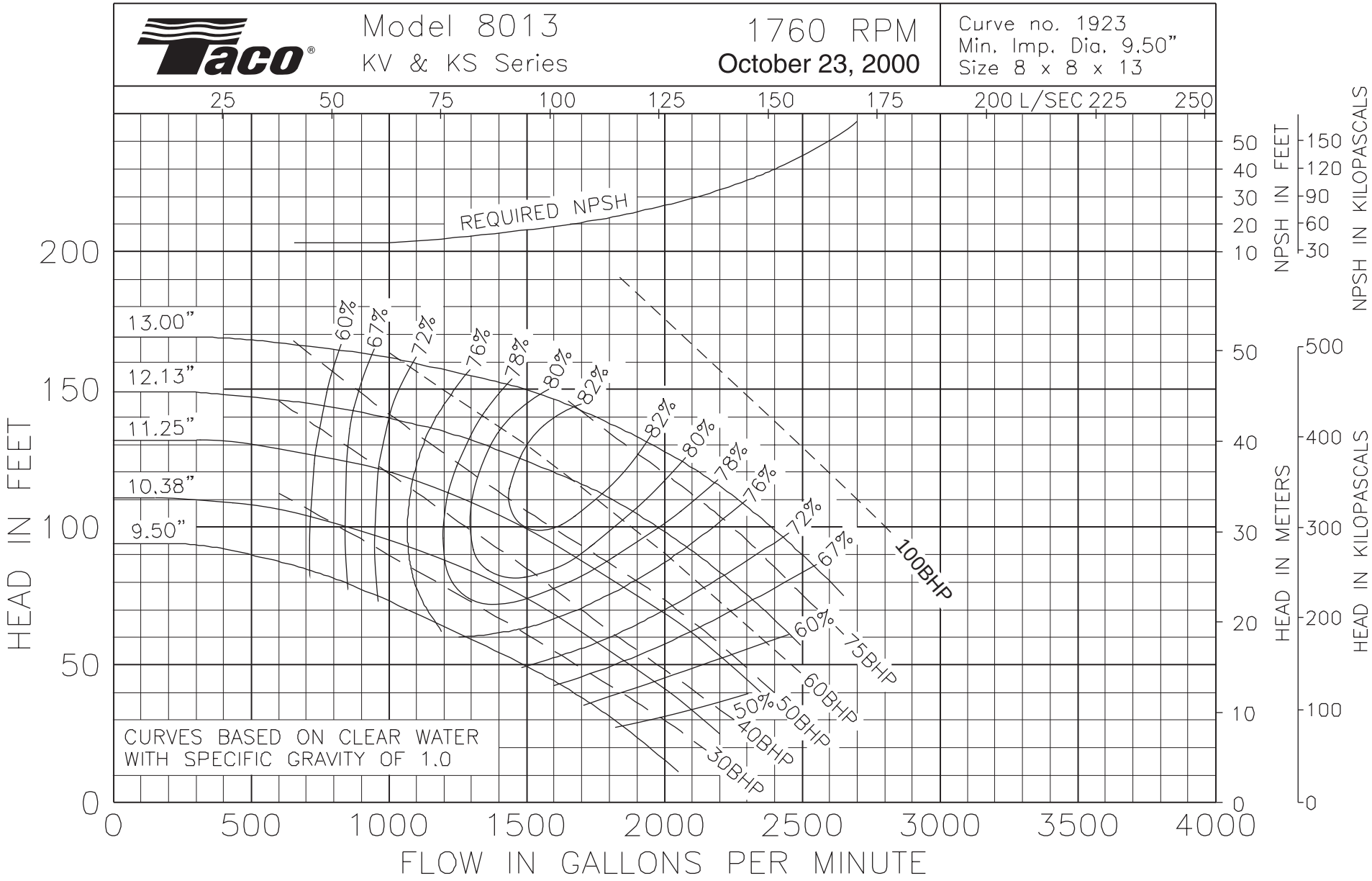

Taco
Model 5095
KV & KS Series
1760 RPM
MAY 1, 2010
Curve no. 2495
Min. Imp. Dia. 7.5"
Size 5 X 5 X 9.25
NPSH
FEET
KPa
L/SEC
REQUIRED NPSH
9.25"(235mm)
9.00"(229mm)
8.50"(216mm)
8.00"(203mm)
7.50"(191mm)
25HP(18.6KW)
20HP(14.9KW)
15HP(11.2KW)
10HP(7.5KW)
70%
74%
78%
80%
82%
83%
83.5%
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE

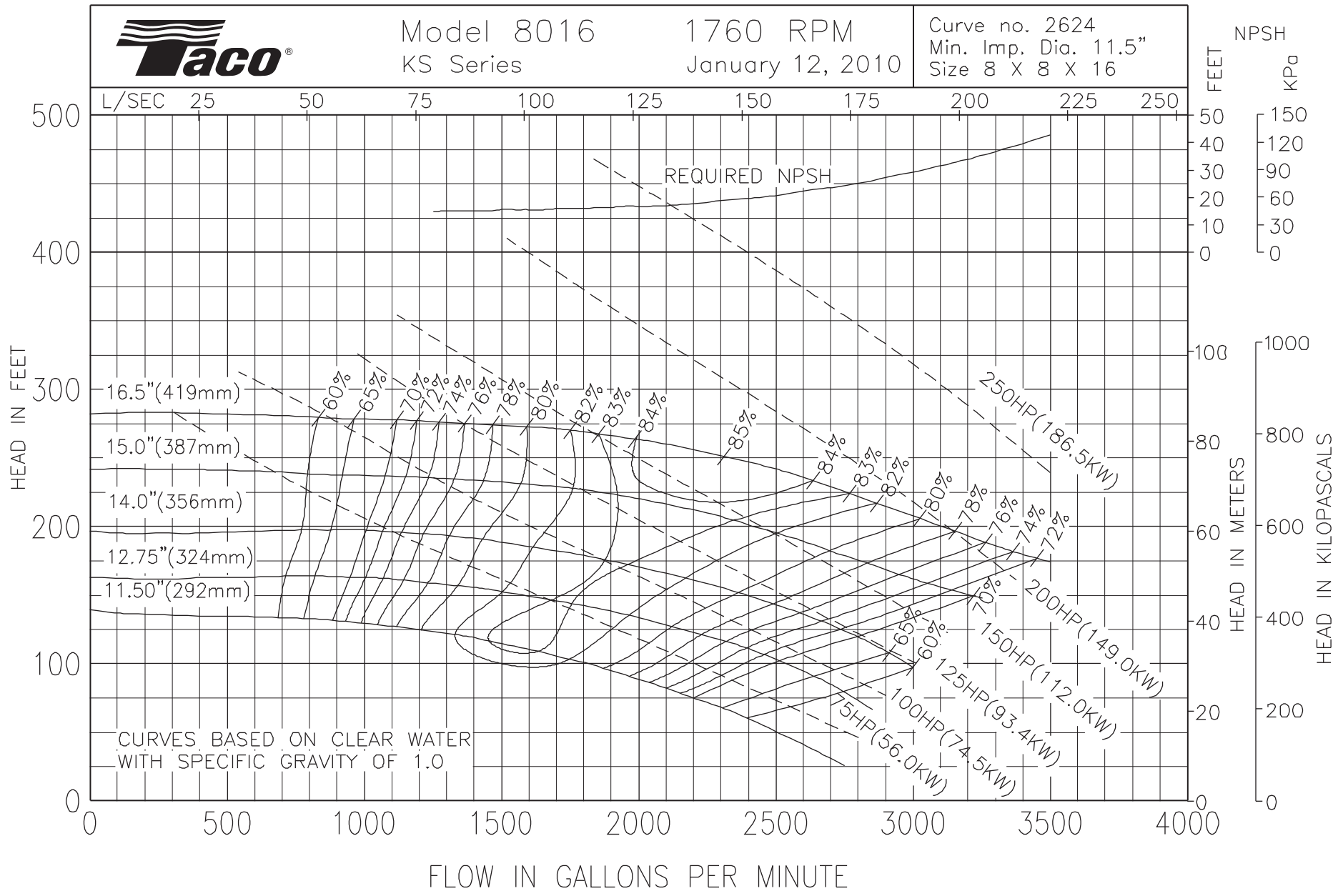

Taco
Model 6009
KV & KS Series
1760 RPM
October 23 2000
Curve no. 1905
Min. Imp. Dia. 6.75
Size 6 x 6 x 9
10 20 30 40 50 60 70 L/SEC
REQUIRED NPSH
9.25"
8.63"
8.00"
7.38"
6.75"
60%
65%
70%
75%
78%
80%
81%
82%
83%
20BHP
15BHP
10BHP
7.5BHP
5BHP
55%
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
0 25 50 75 100
0 125 250 375 500 625 750 875 1000 1125 1250
FLOW IN GALLONS PER MINUTE
NPSH IN FEET
5 10 15 20
NPSH IN KILOPASCALS
15 30 45 60
HEAD IN METERS
0 5 10 15 20 25
HEAD IN KILOPASCALS
0 50 100 150 200 250

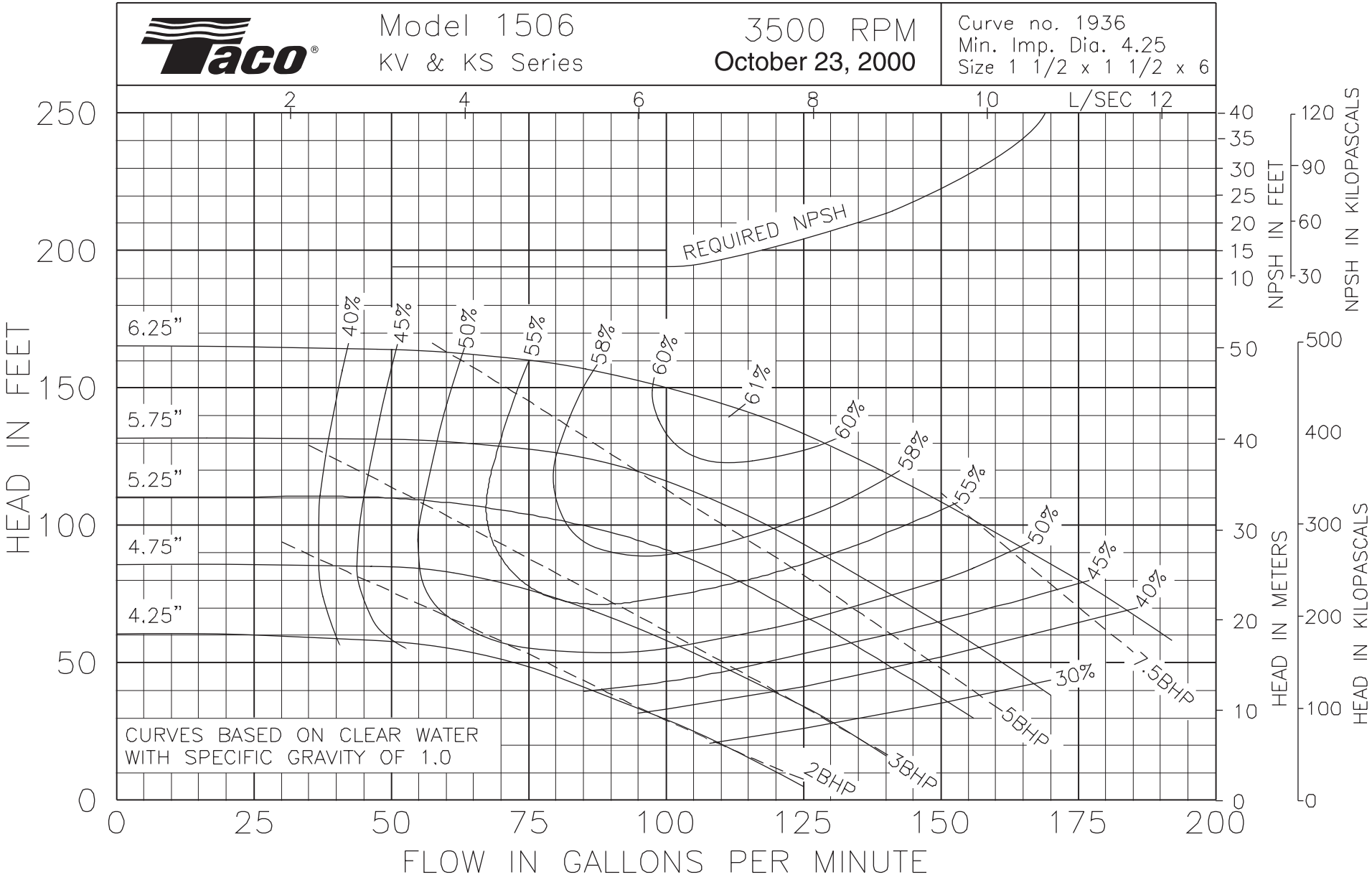

Taco
Model 6011
KV & KS Series
1760 RPM
October 23, 2000
Curve no. 1908
Min. Imp. Dia. 8.25
Size 6 x 6 x 11
L/SEC
HEAD IN FEET
HEAD IN METERS
NPSH IN FEET
NPSH IN KILOPASCALS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE
REQUIRED NPSH
11.25"
10.50"
9.75"
9.00"
8.25"
60%
70%
75%
78%
80%
81%
82%
40BHP
30BHP
25BHP
20BHP
15BHP
10BHP
50%
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0

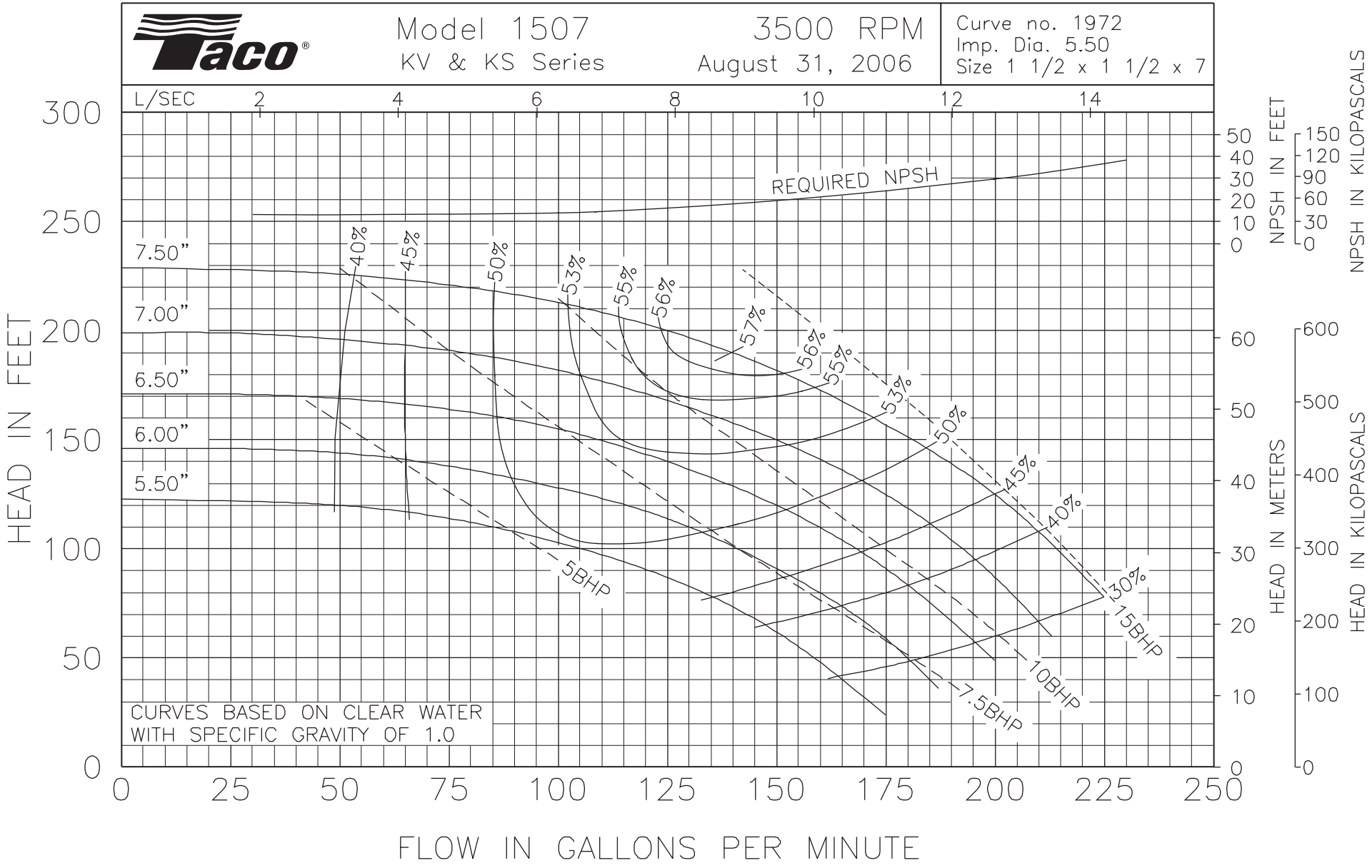

Taco
Model 6013
KV & KS Series
1760 RPM
October 23, 2000
Curve no. 1920
Min. Imp. Dia. 9.50"
Size 6 x 6 x 13
25
50
75
100
L/SEC
125
REQUIRED NPSH
13.00"
12.13"
11.25"
10.38"
9.50"
65%
70%
75%
78%
79%
80%
80%
79%
78%
75%
70%
65%
60%
50%
15BHP
20BHP
25BHP
30BHP
40BHP
50BHP
60BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
0
50
100
150
200
0
250
500
750
1000
1250
1500
1750
2000
FLOW IN GALLONS PER MINUTE
NPSH IN FEET
60
50
40
30
20
10
NPSH IN KILOPASCALS
150
120
90
60
30
HEAD IN METERS
55
50
45
40
35
30
25
20
15
10
5
0
HEAD IN KILOPASCALS
550
500
450
400
350
300
250
200
150
100
50
0

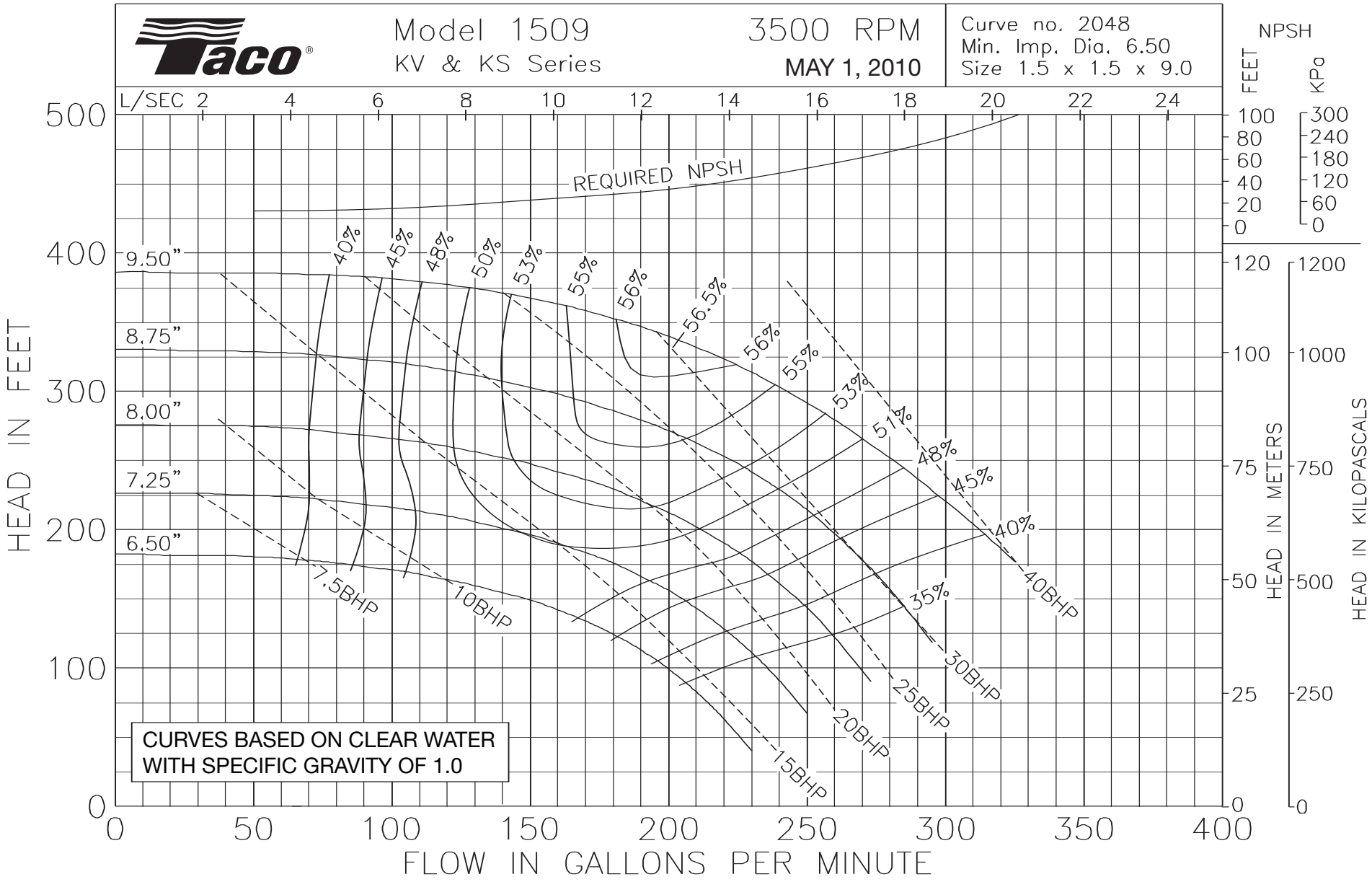

Taco
Model 8011
KV & KS Series
1760 RPM
October 23, 2000
Curve no. 1911
Min. Imp. Dia. 8.25
Size 8 x 8 x 11
25
50
75
100
125
L/SEC
150
REQUIRED NPSH
11.25"
10.50"
9.75"
9.00"
8.25"
60%
70%
75%
78%
80%
81%
82%
50BHP
40BHP
30BHP
25BHP
20BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
150
100
50
0
55
45
35
25
15
40
30
20
10
0
NPSH IN FEET
165
105
45
NPSH IN KILOPASCALS
400
300
200
100
0
HEAD IN METERS
HEAD IN KILOPASCALS
0
250
500
750
1000
1250
1500
1750
2000
2250
2500
FLOW IN GALLONS PER MINUTE

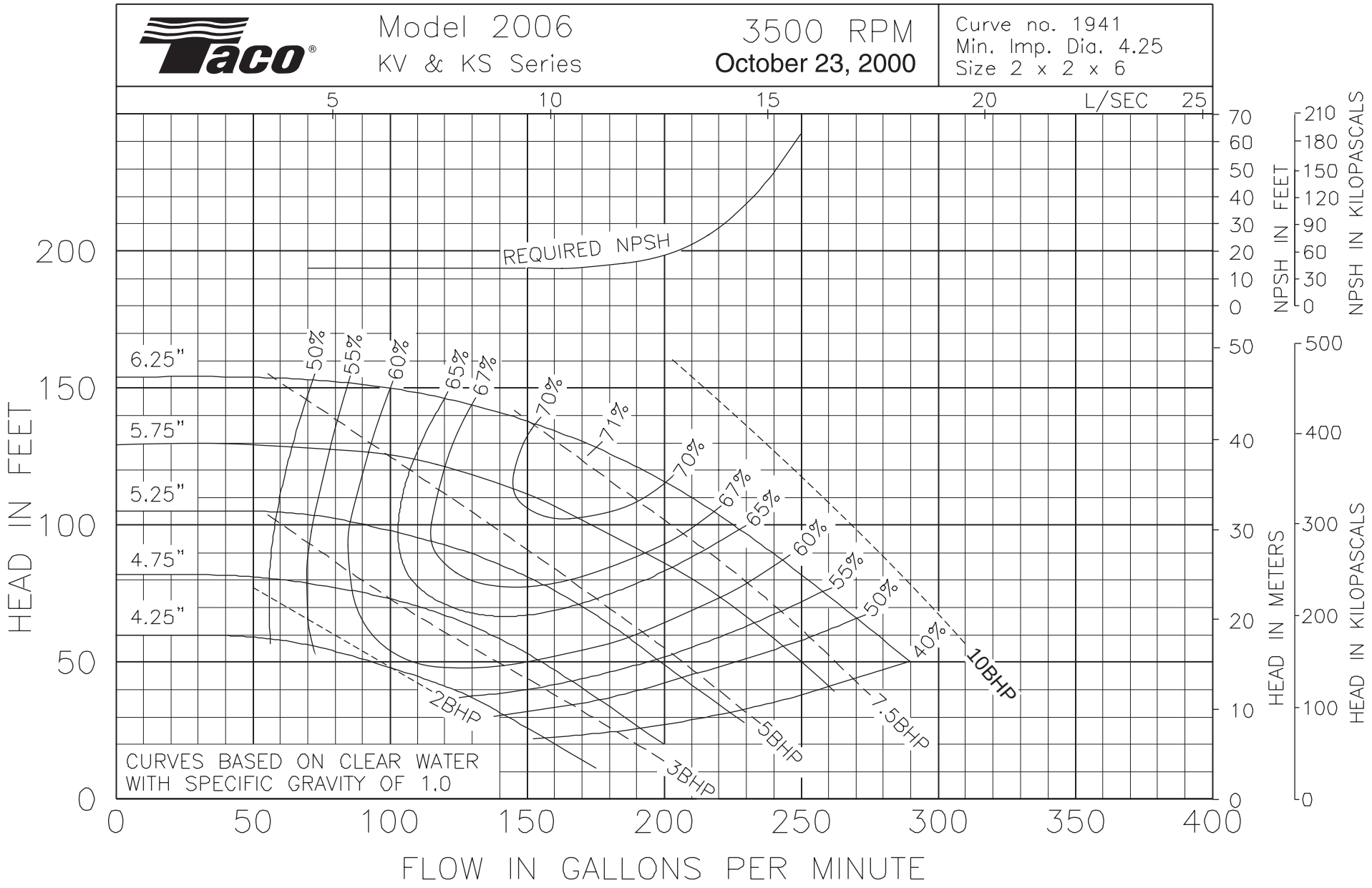

Taco
Model 8013
KV & KS Series
1760 RPM
October 23, 2000
Curve no. 1923
Min. Imp. Dia. 9.50"
Size 8 x 8 x 13
REQUIRED NPSH
13.00"
12.13"
11.25"
10.38"
9.50"
60%
67%
72%
76%
78%
80%
82%
100BHP
75BHP
60BHP
50BHP
40BHP
30BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
NPSH IN FEET
NPSH IN KILOPASCALS
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE
200 L/SEC

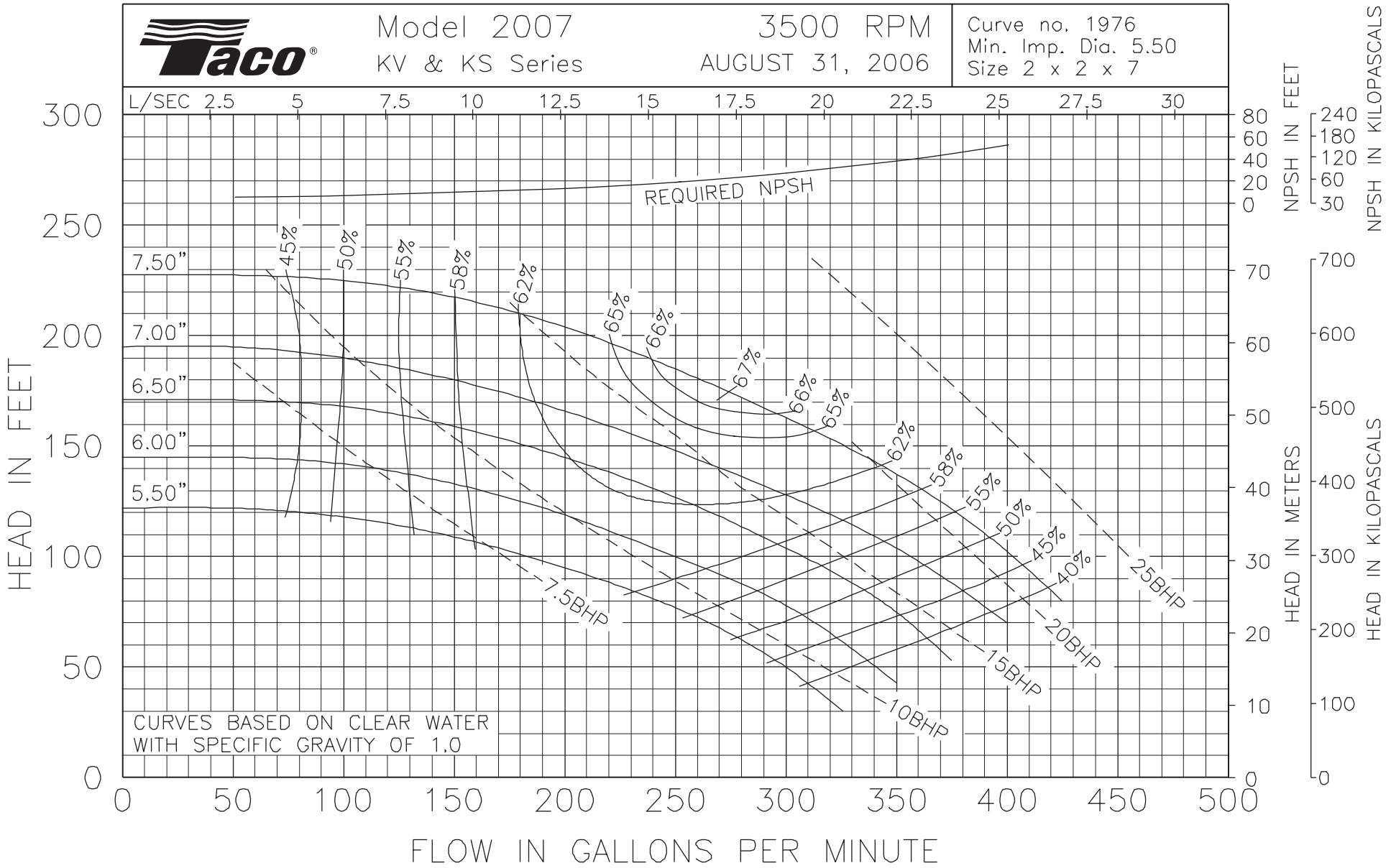

Taco
Model 8016
KS Series
1760 RPM
January 12, 2010
Curve no. 2624
Min. Imp. Dia. 11.5"
Size 8 X 8 X 16
L/SEC 25 50 75 100 125 150 175 200 225 250
FEET
NPSH
KPa
REQUIRED NPSH
16.5"(419mm)
15.0"(387mm)
14.0"(356mm)
12.75"(324mm)
11.50"(292mm)
60%
65%
70%
72%
74%
76%
78%
80%
82%
83%
84%
85%
250HP(186.5KW)
200HP(149.0KW)
150HP(112.0KW)
125HP(93.4KW)
100HP(74.5KW)
75HP(56.0KW)
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE

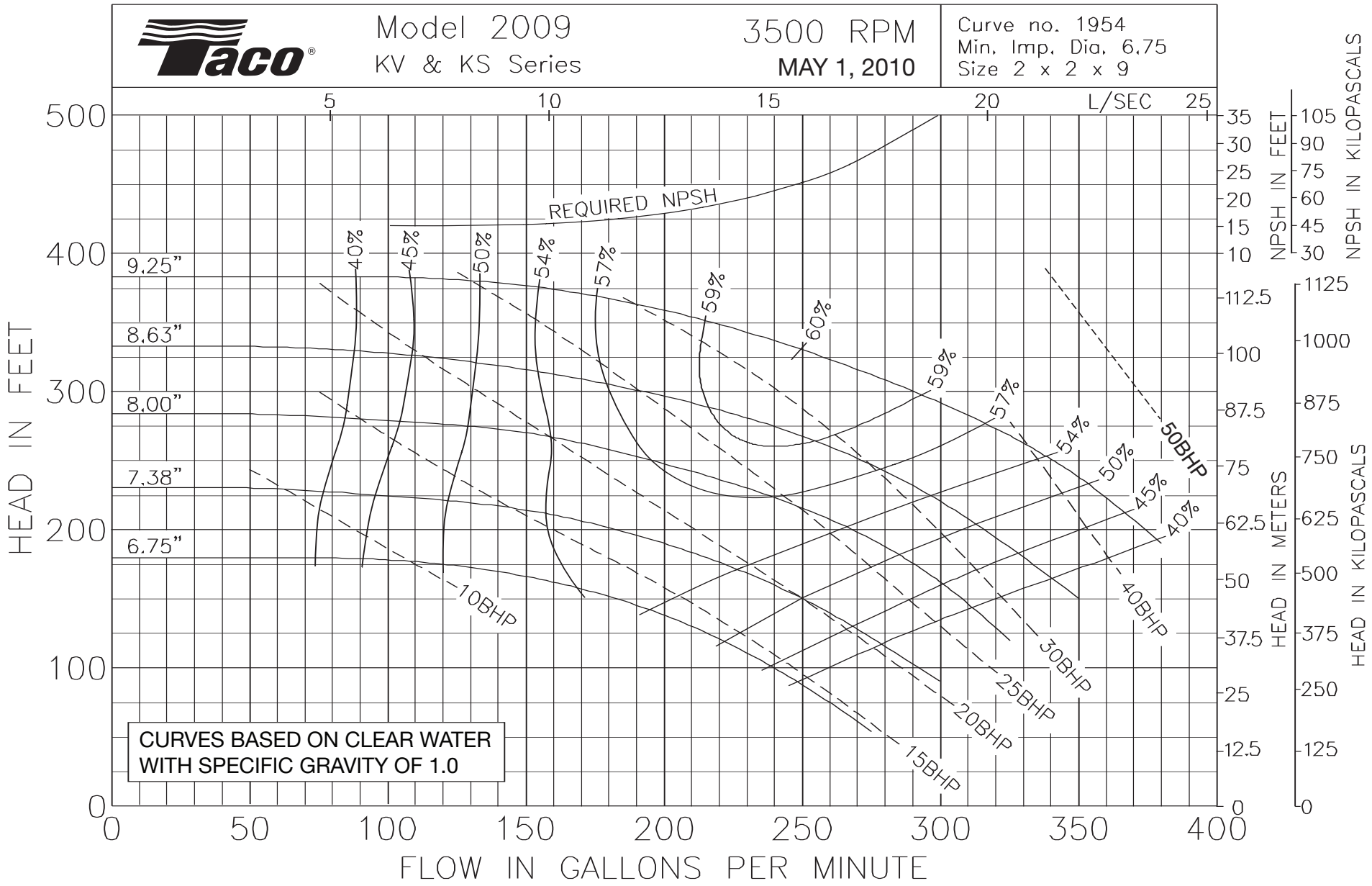

Taco
Model 1506
KV & KS Series
3500 RPM
October 23, 2000
Curve no. 1936
Min. Imp. Dia. 4.25
Size 1 1/2 x 1 1/2 x 6
L/SEC
REQUIRED NPSH
6.25"
5.75"
5.25"
4.75"
4.25"
40%
45%
50%
55%
58%
60%
61%
30%
2BHP
3BHP
5BHP
7.5BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
NPSH IN FEET
NPSH IN KILOPASCALS
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE

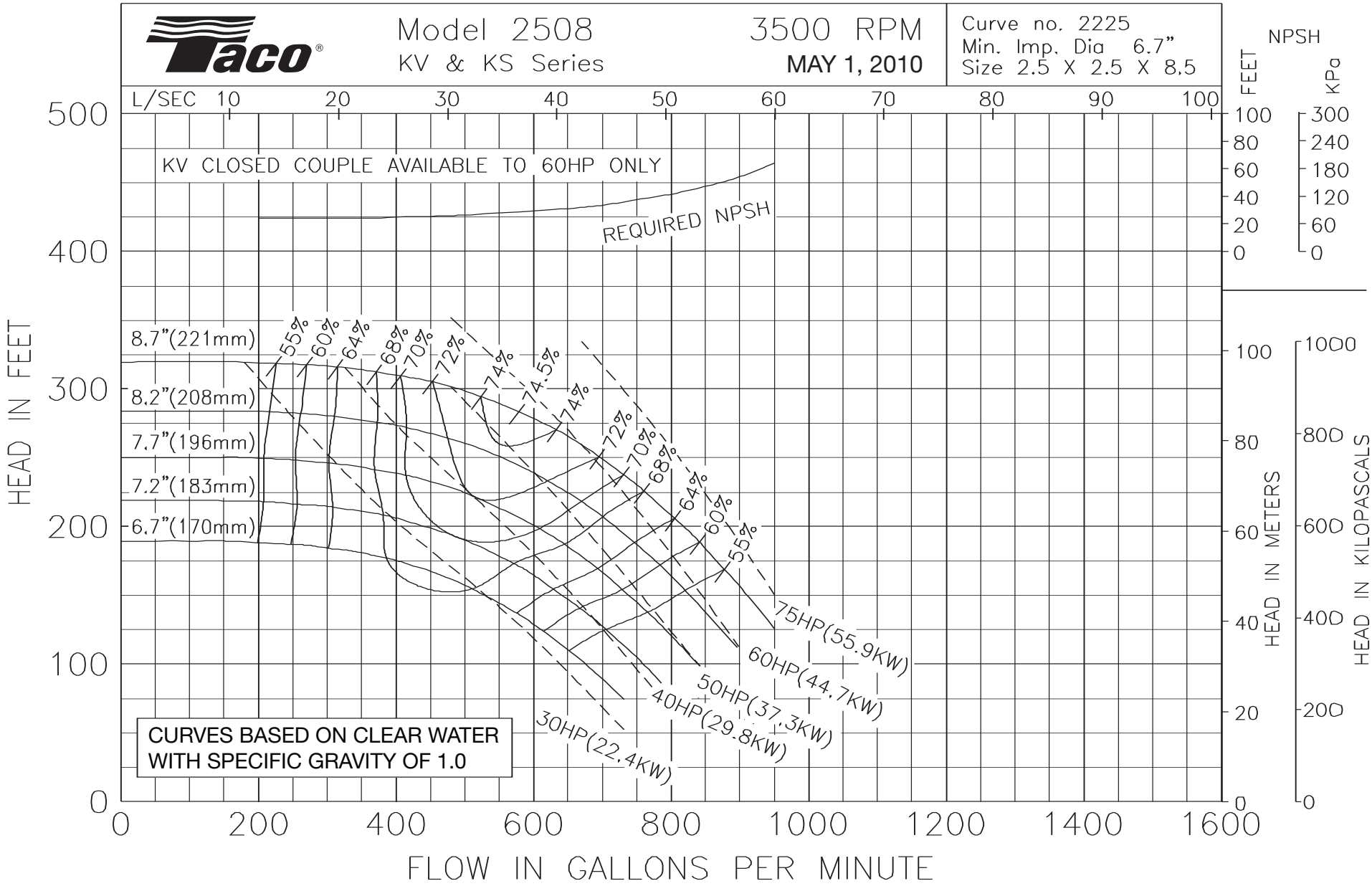

Taco
Model 1507
KV & KS Series
3500 RPM
August 31, 2006
Curve no. 1972
Imp. Dia. 5.50
Size 1 1/2 x 1 1/2 x 7
L/SEC
2
4
6
8
10
12
14
REQUIRED NPSH
7.50"
7.00"
6.50"
6.00"
5.50"
40%
45%
50%
53%
55%
56%
57%
56%
55%
53%
50%
45%
40%
30%
5BHP
7.5BHP
10BHP
15BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
NPSH IN FEET
NPSH IN KILOPASCALS
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE

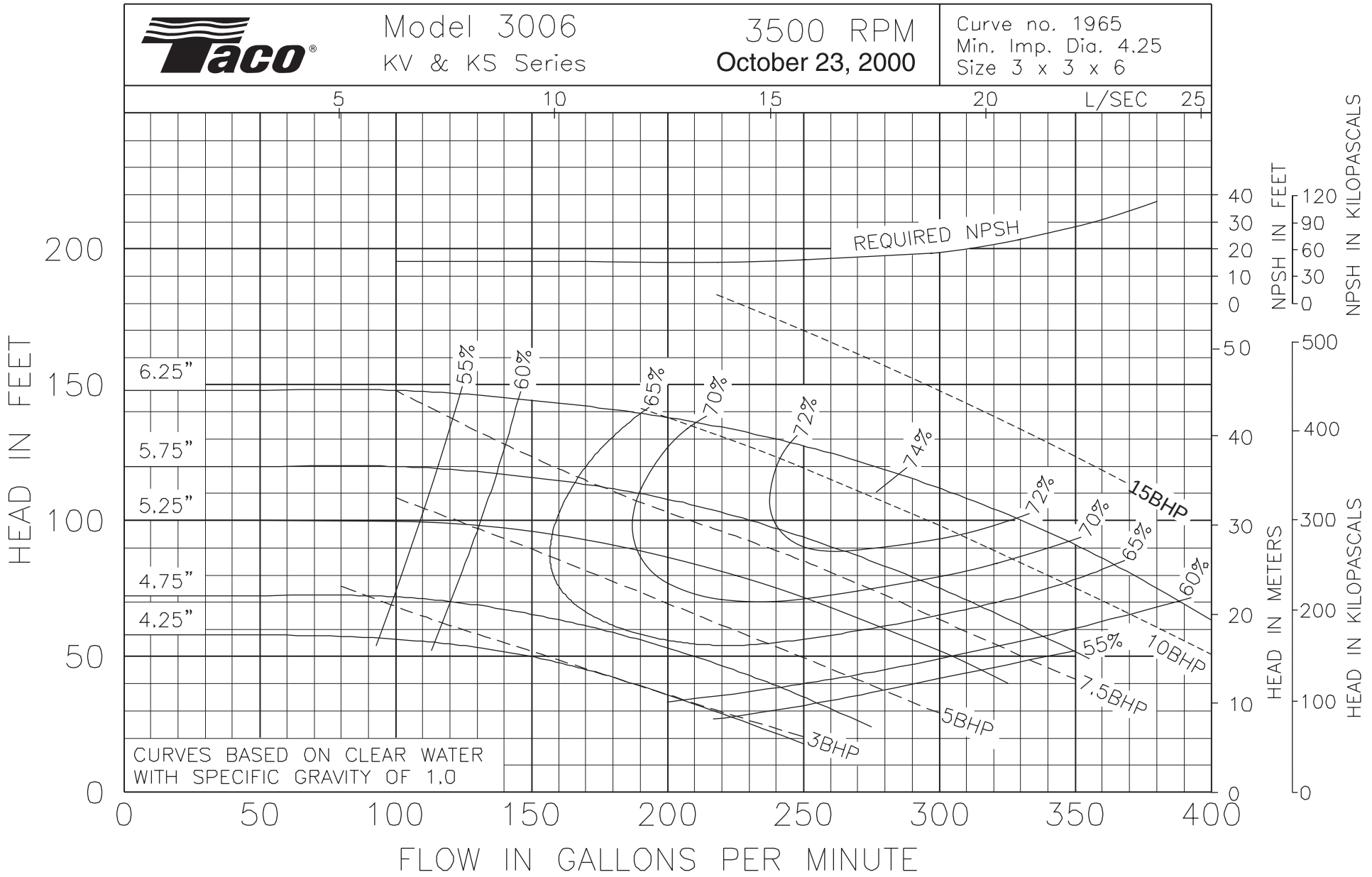

Taco
Model 1509
KV & KS Series
3500 RPM
MAY 1, 2010
Curve no. 2048
Min. Imp. Dia. 6.50
Size 1.5 x 1.5 x 9.0
NPSH
FEET
KPa
L/SEC
REQUIRED NPSH
9.50"
8.75"
8.00"
7.25"
6.50"
40%
45%
48%
50%
53%
55%
56%
56.5%
51%
35%
7.5BHP
10BHP
15BHP
20BHP
25BHP
30BHP
40BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE

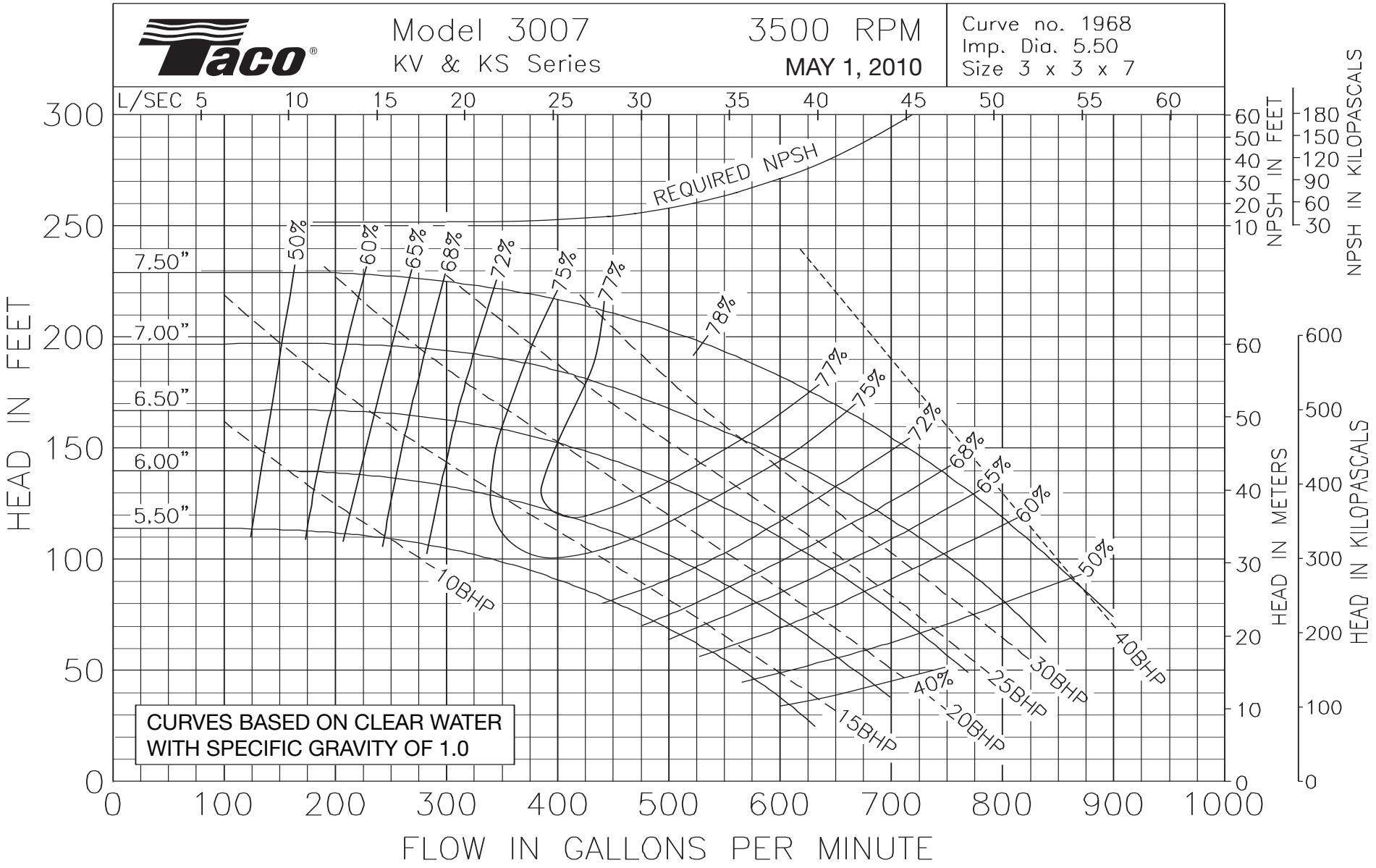

Taco
Model 2006
KV & KS Series
3500 RPM
October 23, 2000
Curve no. 1941
Min. Imp. Dia. 4.25
Size 2 x 2 x 6
REQUIRED NPSH
6.25"
5.75"
5.25"
4.75"
4.25"
50%
55%
60%
65%
67%
70%
71%
2BHP
3BHP
5BHP
7.5BHP
10BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
FLOW IN GALLONS PER MINUTE
L/SEC
NPSH IN FEET
NPSH IN KILOPASCALS
HEAD IN METERS
HEAD IN KILOPASCALS

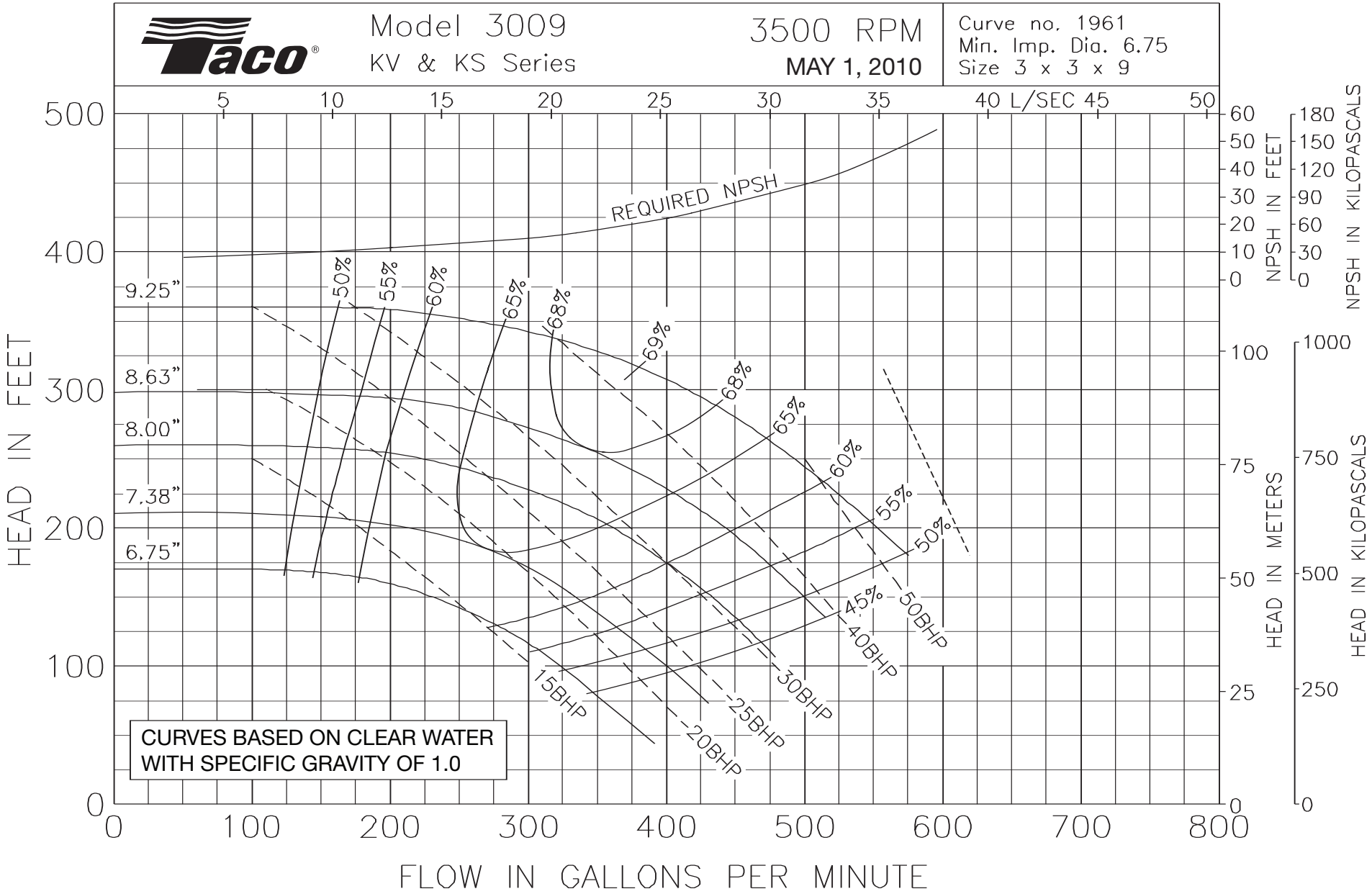

Taco
Model 2007
KV & KS Series
3500 RPM
AUGUST 31, 2006
Curve no. 1976
Min. Imp. Dia. 5.50
Size 2 x 2 x 7
L/SEC 2.5 5 7.5 10 12.5 15 17.5 20 22.5 25 27.5 30
HEAD IN FEET
300 250 200 150 100 50 0
FLOW IN GALLONS PER MINUTE
0 50 100 150 200 250 300 350 400 450 500
REQUIRED NPSH
7.50"
7.00"
6.50"
6.00"
5.50"
45%
50%
55%
58%
62%
65%
66%
67%
7.5BHP
10BHP
15BHP
20BHP
25BHP
40%
NPSH IN FEET
80 60 40 20 0
NPSH IN KILOPASCALS
240 180 120 60 30
HEAD IN METERS
70 60 50 40 30 20 10 0
HEAD IN KILOPASCALS
700 600 500 400 300 200 100 0
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0

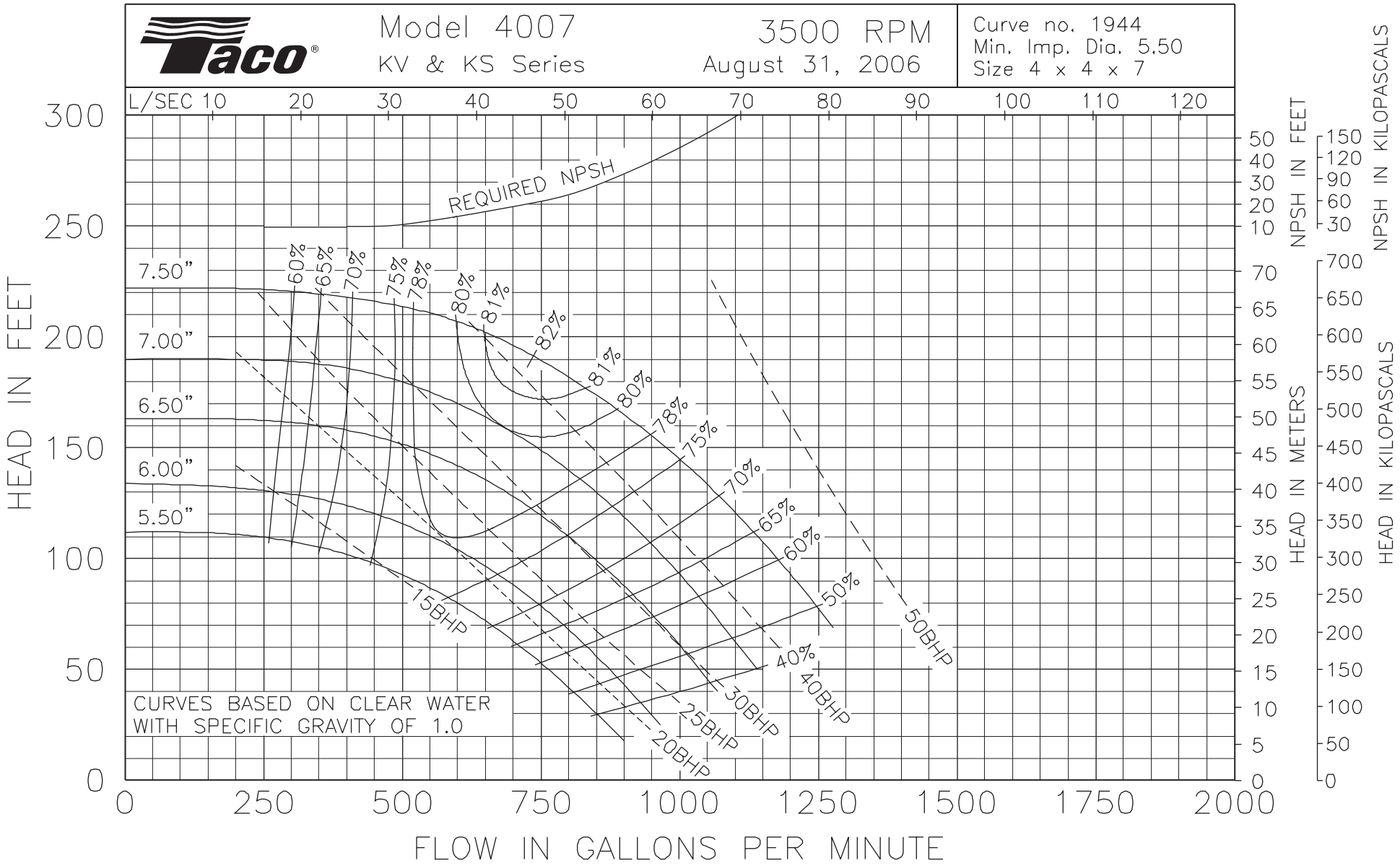

Taco
Model 2009
KV & KS Series
3500 RPM
MAY 1, 2010
Curve no. 1954
Min. Imp. Dia. 6.75
Size 2 x 2 x 9
L/SEC
REQUIRED NPSH
9.25"
8.63"
8.00"
7.38"
6.75"
40%
45%
50%
54%
57%
59%
60%
10BHP
15BHP
20BHP
25BHP
30BHP
40BHP
50BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
FLOW IN GALLONS PER MINUTE
NPSH IN FEET
NPSH IN KILOPASCALS
HEAD IN METERS
HEAD IN KILOPASCALS

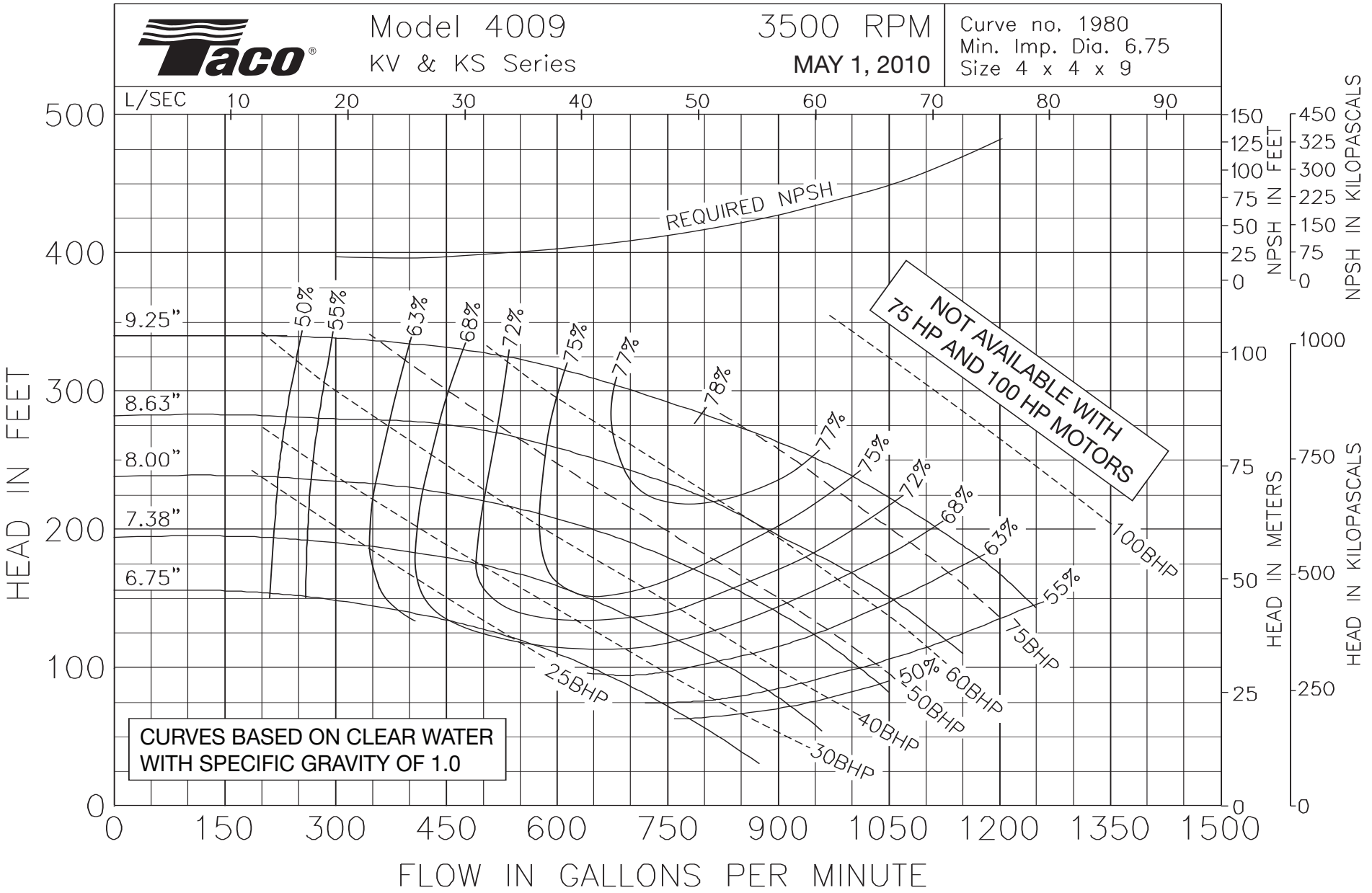

Taco
Model 2508
KV & KS Series
3500 RPM
MAY 1, 2010
Curve no. 2225
Min. Imp. Dia 6.7"
Size 2.5 X 2.5 X 8.5
L/SEC 10 20 30 40 50 60 70 80 90 100
KV CLOSED COUPLE AVAILABLE TO 60HP ONLY
REQUIRED NPSH
NPSH
FEET
KPa
8.7"(221mm)
8.2"(208mm)
7.7"(196mm)
7.2"(183mm)
6.7"(170mm)
55%
60%
64%
68%
70%
72%
74%
74.5%
75HP(55.9KW)
60HP(44.7KW)
50HP(37.3KW)
40HP(29.8KW)
30HP(22.4KW)
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE

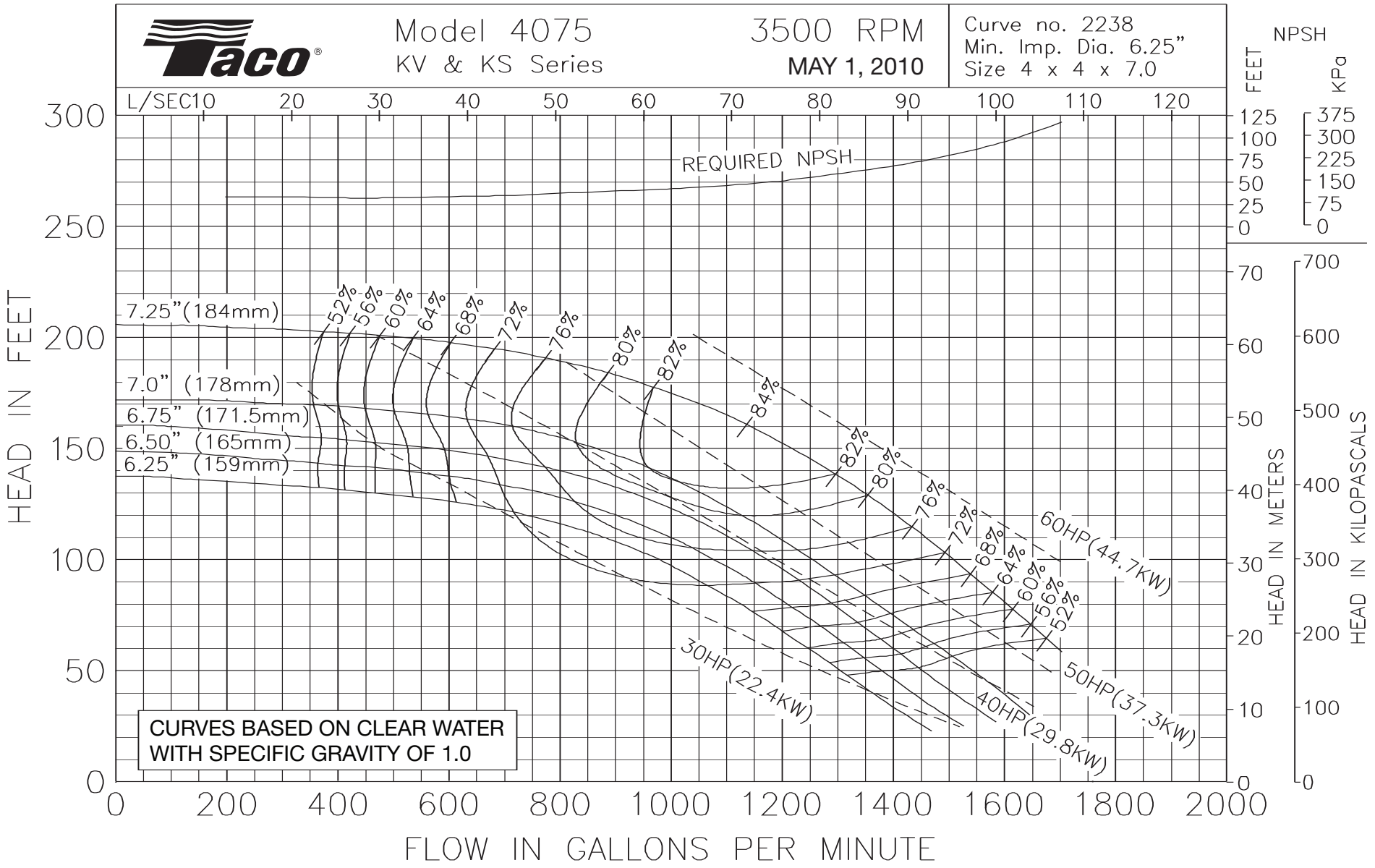

Taco
Model 3006
KV & KS Series
3500 RPM
October 23, 2000
Curve no. 1965
Min. Imp. Dia. 4.25
Size 3 x 3 x 6
L/SEC
REQUIRED NPSH
NPSH IN FEET
NPSH IN KILOPASCALS
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
6.25"
5.75"
5.25"
4.75"
4.25"
55%
60%
65%
70%
72%
74%
15BHP
10BHP
7.5BHP
5BHP
3BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
FLOW IN GALLONS PER MINUTE

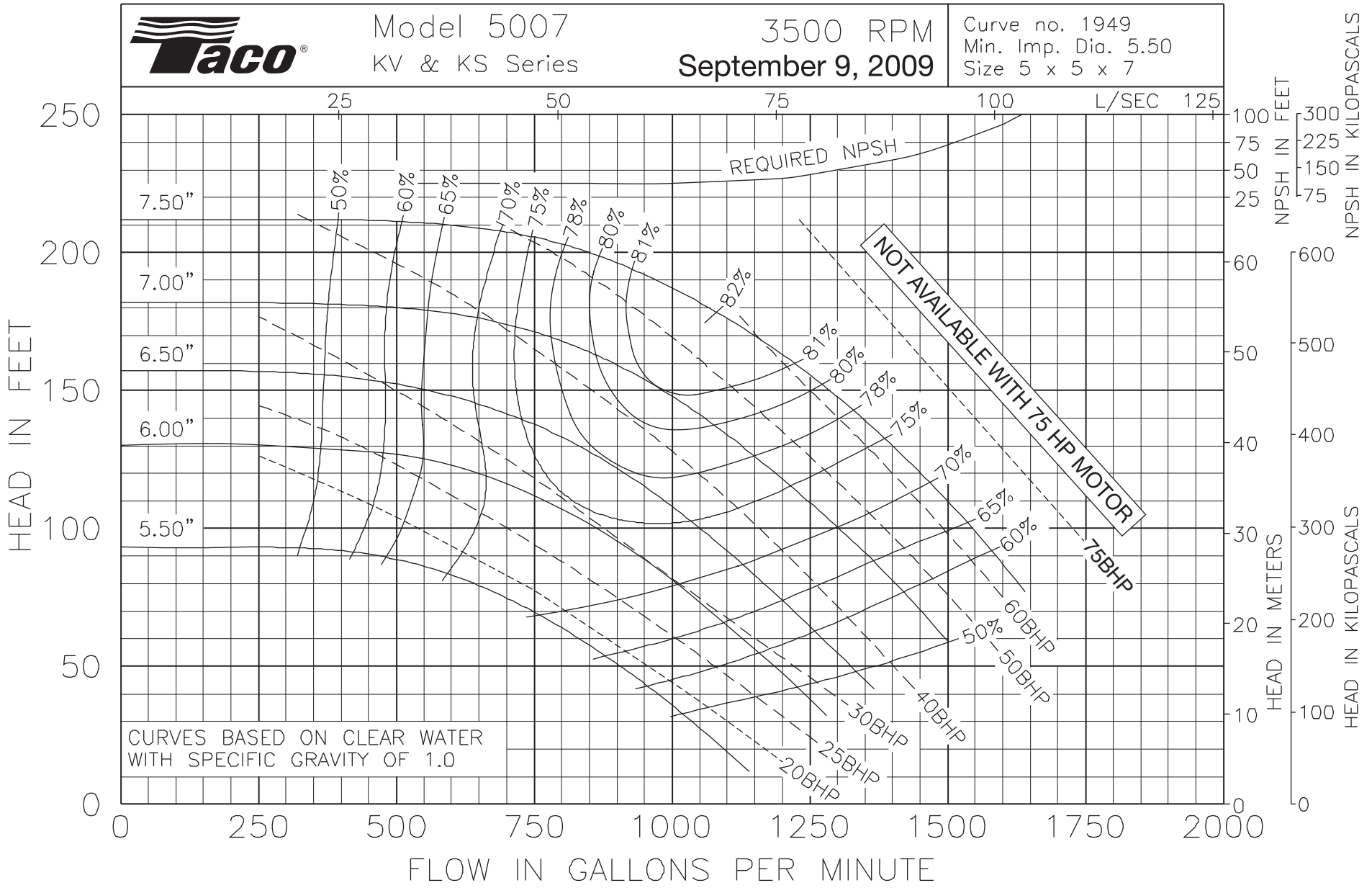

Taco
Model 3007
KV & KS Series
3500 RPM
MAY 1, 2010
Curve no. 1968
Imp. Dia. 5.50
Size 3 x 3 x 7
L/SEC 5 10 15 20 25 30 35 40 45 50 55 60
REQUIRED NPSH
NPSH IN FEET
NPSH IN KILOPASCALS
50%
60%
65%
68%
72%
75%
77%
78%
7.50"
7.00"
6.50"
6.00"
5.50"
10BHP
15BHP
20BHP
25BHP
30BHP
40BHP
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
0 100 200 300 400 500 600 700 800 900 1000
FLOW IN GALLONS PER MINUTE

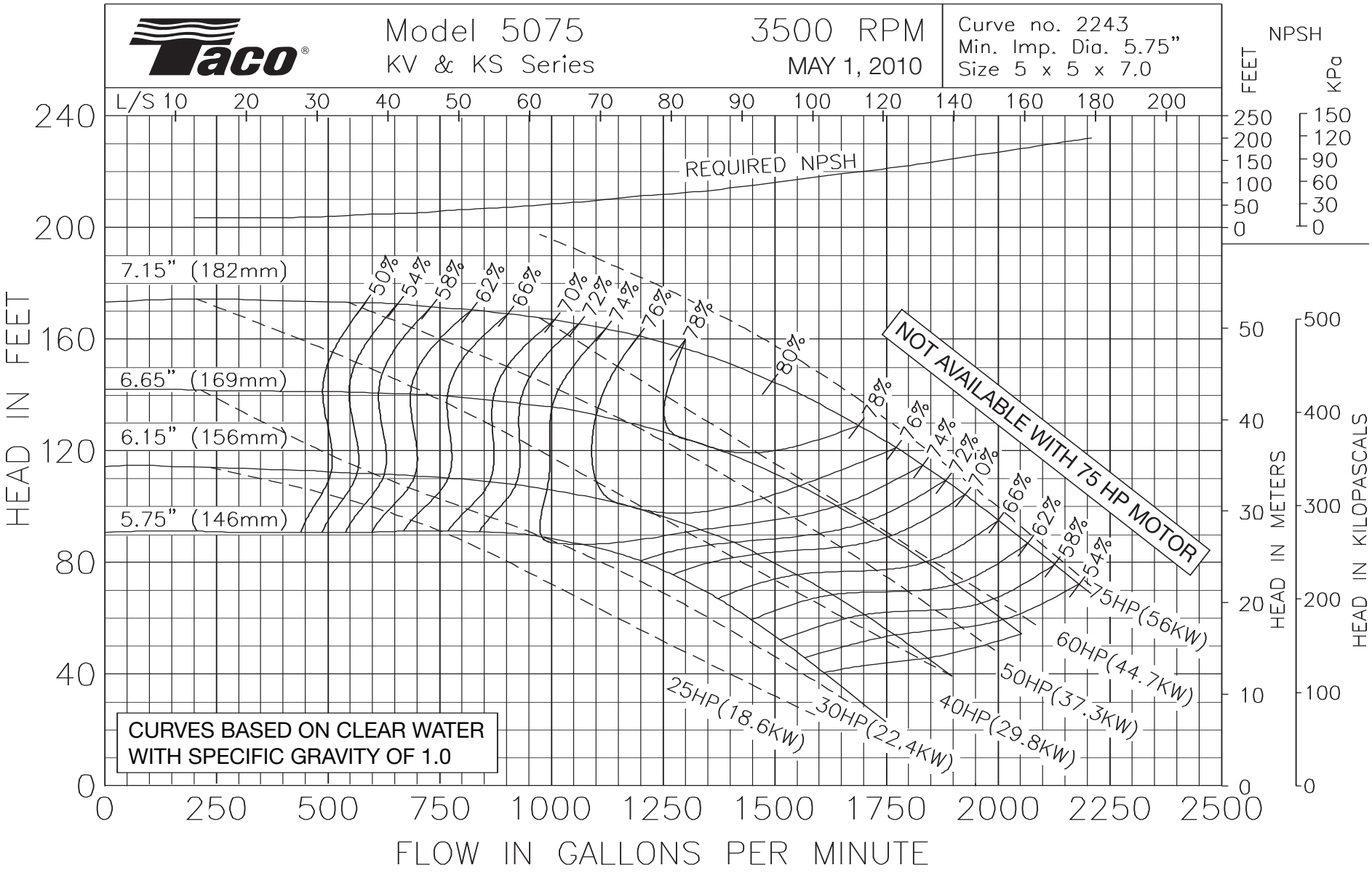

Taco
Model 3009
KV & KS Series
3500 RPM
MAY 1, 2010
Curve no. 1961
Min. Imp. Dia. 6.75
Size 3 x 3 x 9
REQUIRED NPSH
9.25"
8.63"
8.00"
7.38"
6.75"
50%
55%
60%
65%
68%
69%
45%
15BHP
20BHP
25BHP
30BHP
40BHP
50BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
FLOW IN GALLONS PER MINUTE
5 10 15 20 25 30 35 40 L/SEC 45 50
0 100 200 300 400 500 600 700 800
0 100 200 300 400 500
0 25 50 75 100
0 30 60 90 120 150 180
NPSH IN FEET
NPSH IN KILOPASCALS
0 10 20 30 40 50 60
0 250 500 750 1000
HEAD IN METERS
HEAD IN KILOPASCALS


Taco
Model 4007
KV & KS Series
3500 RPM
August 31, 2006
Curve no. 1944
Min. Imp. Dia. 5.50
Size 4 x 4 x 7
L/SEC 10 20 30 40 50 60 70 80 90 100 110 120
REQUIRED NPSH
7.50"
7.00"
6.50"
6.00"
5.50"
60%
65%
70%
75%
78%
80%
81%
82%
81%
80%
78%
75%
70%
65%
60%
50%
40%
15BHP
20BHP
25BHP
30BHP
40BHP
50BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
0 50 100 150 200 250 300
HEAD IN METERS
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70
NPSH IN FEET
10 20 30 40 50
NPSH IN KILOPASCALS
30 60 90 120 150
HEAD IN KILOPASCALS
0 50 100 150 200 250 300 350 400 450 500 550 600 650 700
0 250 500 750 1000 1250 1500 1750 2000
FLOW IN GALLONS PER MINUTE


Taco
Model 4009
KV & KS Series
3500 RPM
MAY 1, 2010
Curve no. 1980
Min. Imp. Dia. 6.75
Size 4 x 4 x 9
L/SEC
10
20
30
40
50
60
70
80
90
HEAD IN FEET
500
400
300
200
100
0
NPSH IN FEET
150
125
100
75
50
25
0
NPSH IN KILOPASCALS
450
325
300
225
150
75
0
HEAD IN METERS
100
75
50
25
0
HEAD IN KILOPASCALS
1000
750
500
250
0
REQUIRED NPSH
9.25"
8.63"
8.00"
7.38"
6.75"
50%
55%
63%
68%
72%
75%
77%
78%
NOT AVAILABLE WITH
75 HP AND 100 HP MOTORS
100BHP
75BHP
60BHP
50BHP
40BHP
30BHP
25BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
0
150
300
450
600
750
900
1050
1200
1350
1500
FLOW IN GALLONS PER MINUTE


Taco
Model 4075
KV & KS Series
3500 RPM
MAY 1, 2010
Curve no. 2238
Min. Imp. Dia. 6.25"
Size 4 x 4 x 7.0
NPSH
FEET
KPa
L/SEC
REQUIRED NPSH
7.25"(184mm)
7.0" (178mm)
6.75" (171.5mm)
6.50" (165mm)
6.25" (159mm)
52%
56%
60%
64%
68%
72%
76%
80%
82%
84%
60HP(44.7KW)
50HP(37.3KW)
40HP(29.8KW)
30HP(22.4KW)
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
FLOW IN GALLONS PER MINUTE


Taco
Model 5007
KV & KS Series
3500 RPM
September 9, 2009
Curve no. 1949
Min. Imp. Dia. 5.50
Size 5 x 5 x 7
25
50
75
100
L/SEC
125
REQUIRED NPSH
NPSH IN FEET
NPSH IN KILOPASCALS
50%
60%
65%
70%
75%
78%
80%
81%
82%
7.50"
7.00"
6.50"
6.00"
5.50"
NOT AVAILABLE WITH 75 HP MOTOR
75BHP
60BHP
50BHP
40BHP
30BHP
25BHP
20BHP
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
0
250
500
750
1000
1250
1500
1750
2000
FLOW IN GALLONS PER MINUTE


Taco
Model 5075
KV & KS Series
3500 RPM
MAY 1, 2010
Curve no. 2243
Min. Imp. Dia. 5.75"
Size 5 x 5 x 7.0
NPSH
FEET
KPa
L/S 10 20 30 40 50 60 70 80 90 100 120 140 160 180 200
240 200 160 120 80 40 0
250 200 150 100 50 0
150 120 90 60 30 0
REQUIRED NPSH
7.15" (182mm)
6.65" (169mm)
6.15" (156mm)
5.75" (146mm)
50% 54% 58% 62% 66% 70% 72% 74% 76% 78% 80%
78% 76% 74% 72% 70% 66% 62% 58% 54%
NOT AVAILABLE WITH 75 HP MOTOR
75HP(56KW)
60HP(44.7KW)
50HP(37.3KW)
40HP(29.8KW)
30HP(22.4KW)
25HP(18.6KW)
CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0
HEAD IN FEET
HEAD IN METERS
HEAD IN KILOPASCALS
50 40 30 20 10 0
500 400 300 200 100 0
0 250 500 750 1000 1250 1500 1750 2000 2250 2500
FLOW IN GALLONS PER MINUTE