



Submittal Data Information

KS Series Vertical Split Coupled Pumps

301-1880

EFFECTIVE: MAY 31, 2017

SUPERSEDES: JUNE 25, 2016

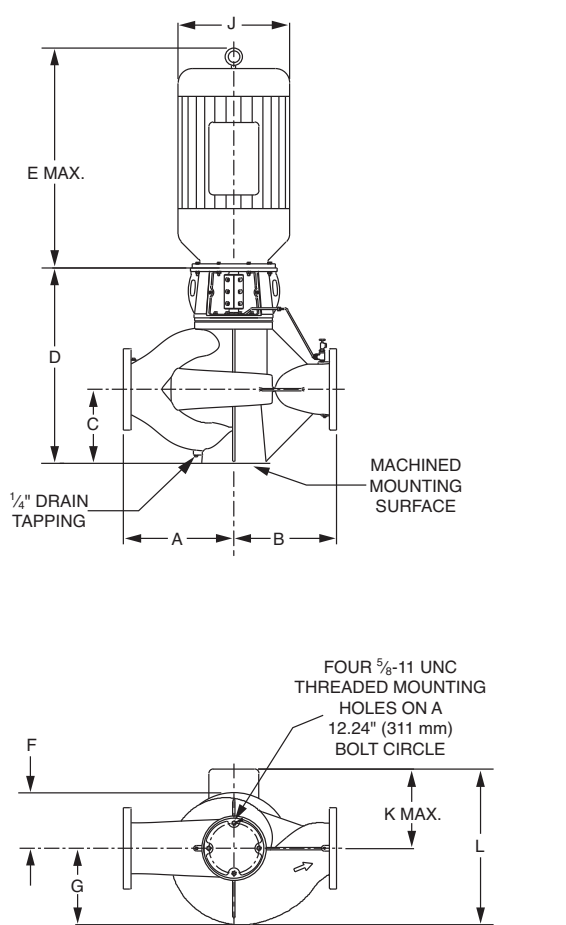
1160 RPM MODEL 1217

JOB _____ ENGINEER _____

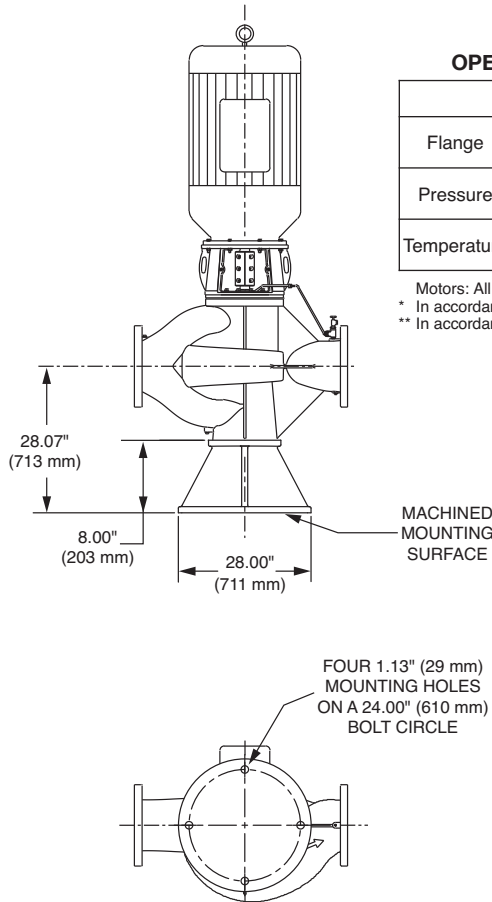
CONTRACTOR _____ REP. _____

| ITEM NO. | MODEL NO. | IMPELLER DIA. | G.P.M. | HEAD/FT. | H.P. | ELEC. CHAR. |
|----------|-----------|---------------|--------|----------|------|-------------|
|----------|-----------|---------------|--------|----------|------|-------------|

WEIGHT _____ PUMP/MOTOR _____



PUMP WITH OPTIONAL SUPPORT STAND



OPERATING SPECIFICATIONS

| | Standard | | Optional |
|-------------|----------------------|-----------------------|----------|
| | ANSI Class 125 | ANSI Class 250 | |
| Flange | ANSI Class 125 | ANSI Class 250 | |
| Pressure | 175 PSIG* (1210 KPA) | 300 PSIG** (2070 KPA) | CF |
| Temperature | 250°F (120°C) | 250°F (120°C) | CF |

Motors: All NEMA Standard ODP Frame (CZ Shaft)
 * In accordance with ANSI Standard B16.1 Class 125
 ** In accordance with ANSI Standard B16.1 Class 250 Dim.

| SUPPORT STAND OPTION | |
|--------------------------|--|
| Support Stand | Ductile Iron ASTM A536-84 Grade 65-45-12 |
| <input type="checkbox"/> | <input type="checkbox"/> |
| YES | NO |

MAXIMUM ASSEMBLY WEIGHT

| Motor Frame | Weight without Optional Stand Lbs (Kg) | Weight with Optional Stand Lbs (Kg) |
|---------------|--|---|
| 404CZ - 405CZ | 4198 (1904) | 4541 (2060) |
| 444HP - 445HP | 4752 (2155) | 5095 (2311) |
| 447HP - 449HP | 5617 (2548) | 5960 (2703) |

DIMENSIONS

*A & B Dimensions apply for all pump sizes.

| Model No. | Conn. | Motor Frame | HP 1160 RPM | Flange Size ASA | A* | B* | C | D | E MAX | F | G | H | J DIA MAX | K MAX | L |
|-----------|------------------------|-------------|-------------|-----------------|----------------------------------|----------------------------------|-------|--------|--------------|-------|-------|------|-------------|-------------|--------------|
| 1217 | 12 x 12 (305 x 305) | 405CZ | 75 | 12 (305) | 32.25 (819) if ANSI Class 125 | 28.25 (718) if ANSI Class 125 | 20.07 | 53.85 | 38.53 (979) | 13.83 | 19.40 | 0.25 | 21.42 (544) | 18.65 (474) | 38.05 (966) |
| | | 444HP | 100 | | | | | | 43.49 (1105) | | | | 24.56 (624) | 20.75 (527) | 40.15 (1020) |
| | | 445HP | 125 | | | | | | 43.49 (1105) | | | | 24.56 (624) | 20.75 (527) | 40.15 (1020) |
| | | 447HP | 150 | | | | | | 52.50 (1333) | | | | 24.56 (624) | 21.71 (551) | 41.11 (1044) |
| | | 449HP | 200 | | | | | | 52.50 (1333) | | | | 24.56 (624) | 21.71 (551) | 41.11 (1044) |
| | | | | | 33.00 (838) if ANSI Class 250 | 29.00 (737) if ANSI Class 250 | (510) | (1368) | | (351) | (493) | (6) | | | |

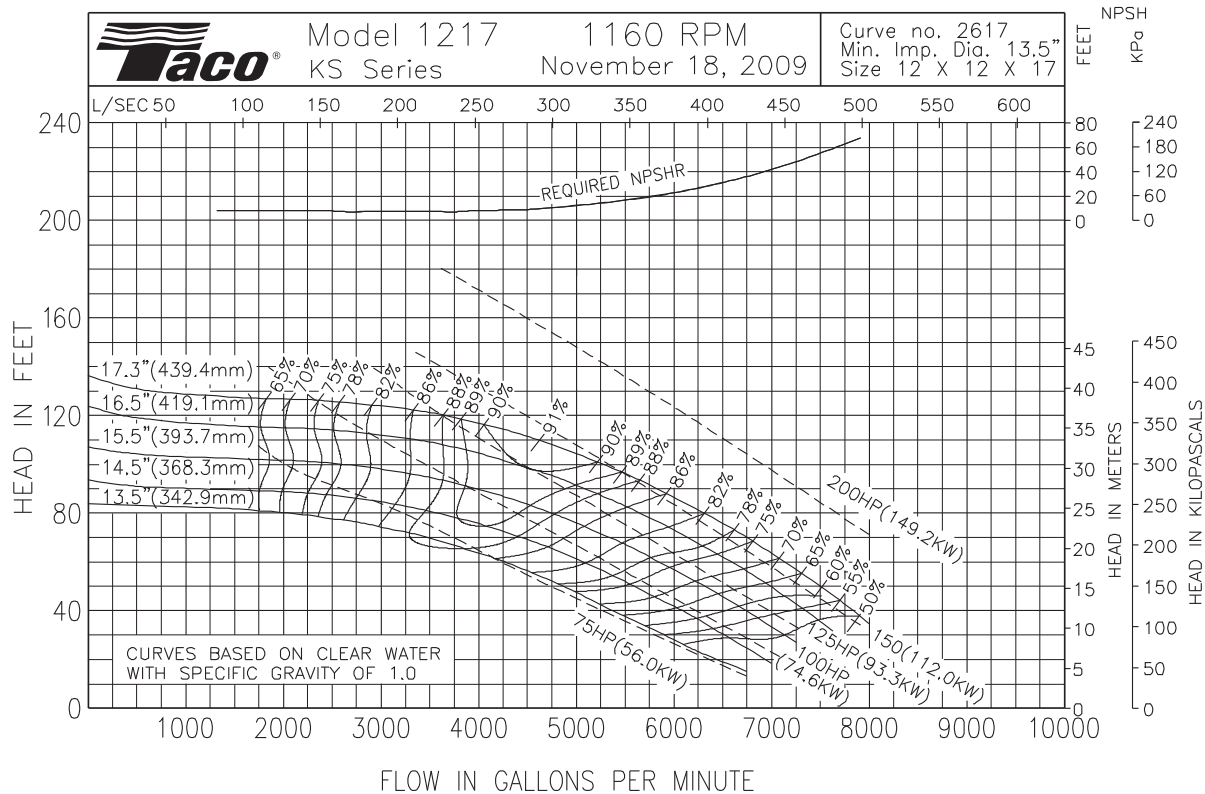
English dimensions are in inches. Metric dimensions are in millimeters. Metric data is presented in ().
 Do not use for construction purposes unless certified.

MATERIALS OF CONSTRUCTION

| | BRONZE FITTED | | |
|-----------------|--|--|---|
| | STANDARD PUMP CONSTRUCTION | | OPTIONAL 125# or 250# |
| | 125# Flange | 250# Flange | |
| Casing | Cast Iron ASTM A48/ A48M-03 Class 30A | Ductile Iron ASTM A536-84 Grade 65-45-12 | N/A |
| Impeller | Bronze ASTM B584 ALLOY C83600 or C84400 | Bronze ASTM B584 ALLOY C83600 or C84400 | N/A |
| Wear Ring | N/A | N/A | Bronze ASTM B584-98A C92200 |
| Shaft | Stainless Steel TYPE 416"Ti" or 410"Ti" ASTM A582 | Stainless Steel TYPE 416"Ti" or 410"Ti" ASTM A582 | N/A |
| Coupling | Aluminum Alloy 6061-T6 | Aluminum Alloy 6061-T6 | N/A |
| Mechanical Seal | Ceramic/EPT | Ceramic/EPT | Tungsten Carbide/EPT or Silicon- Carbide/EPT |
| Seal Flush Line | Copper & Brass C3600 | Copper & Brass C3600 | N/A |

N/A = Not available

Revised: 05/31/2017



Comments:

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Submittal Data Information

KS Series Vertical Split Coupled Pumps

301-1881

EFFECTIVE: MAY 31, 2017

SUPERSEDES: JUNE 25, 2016

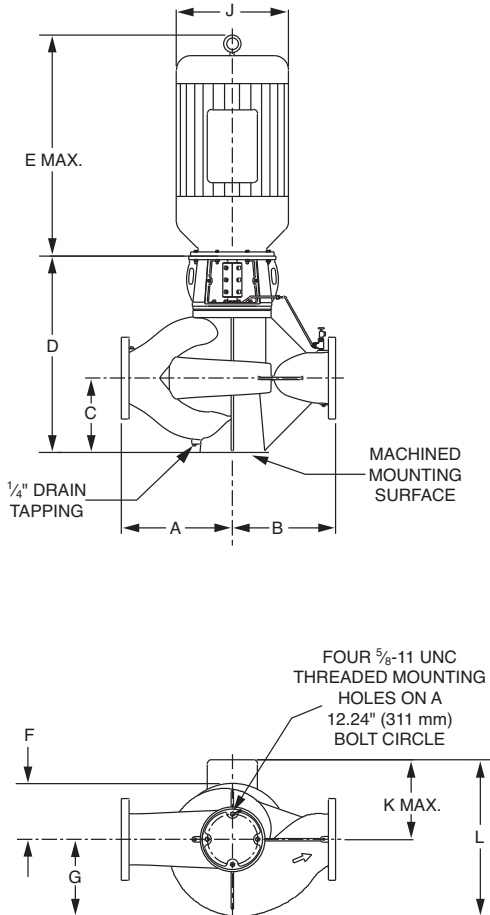
1760 RPM MODEL 1217

JOB _____ ENGINEER _____

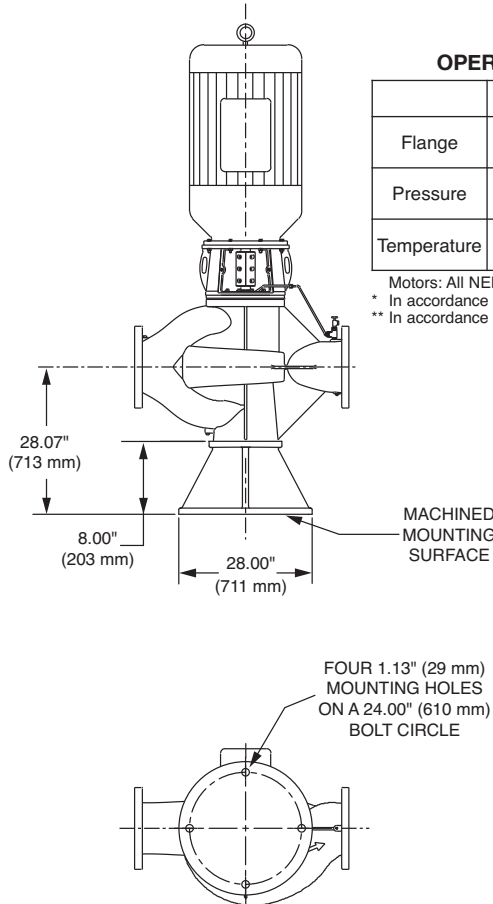
CONTRACTOR _____ REP. _____

| ITEM NO. | MODEL NO. | IMPELLER DIA. | G.P.M. | HEAD/FT. | H.P. | ELEC. CHAR. |
|----------|-----------|---------------|--------|----------|------|-------------|
|----------|-----------|---------------|--------|----------|------|-------------|

WEIGHT _____ PUMP/MOTOR _____



PUMP WITH OPTIONAL SUPPORT STAND



OPERATING SPECIFICATIONS

| | Standard | | Optional |
|-------------|----------------------|-----------------------|----------|
| | ANSI Class 125 | ANSI Class 250 | |
| Flange | ANSI Class 125 | ANSI Class 250 | |
| Pressure | 175 PSIG* (1210 KPA) | 300 PSIG** (2070 KPA) | CF |
| Temperature | 250°F (120°C) | 250°F (120°C) | CF |

Motors: All NEMA Standard ODP Frame (CZ Shaft)
 * In accordance with ANSI Standard B16.1 Class 125
 ** In accordance with ANSI Standard B16.1 Class 250 Dim.

| SUPPORT STAND OPTION | |
|--------------------------|--|
| Support Stand | Ductile Iron ASTM A536-84 Grade 65-45-12 |
| <input type="checkbox"/> | <input type="checkbox"/> |
| YES | NO |

MAXIMUM ASSEMBLY WEIGHT

| Motor Frame | Weight without Optional Stand Lbs (Kg) | Weight with Optional Stand Lbs (Kg) |
|---------------|--|---|
| 447HP - 449HP | 5617 (2548) | 5960 (2703) |
| G5010 | 8642 (3920) | 8985 (4076) |
| G5810 | 13922 (6315) | 14265 (6471) |

DIMENSIONS

*A & B Dimensions apply for all pump sizes.

| Model No. | Conn. | Motor Frame | HP 1760 RPM | Flange Size ASA | A* | B* | C | D | E MAX | F | G | H | J DIA MAX | K MAX | L |
|-----------|------------------------|-------------|----------------|--------------------|-------------------------------------|-------------------------------------|-------|-----------------|--------------|--------------|-------|------|--------------|-------------|--------------|
| 1217 | 12 x 12 (305 x 305) | 449HP | 250 | 12 (305) | 32.25 (819) if ANSI Class 125 | 28.25 (718) if ANSI Class 125 | 20.07 | 53.85 (1368) | 52.50 (1333) | 13.83 | 19.40 | 0.25 | 24.56 (624) | 21.71 (551) | 41.11 (1044) |
| | | | 300 | | | | | | 52.50 (1333) | | | | | | |
| | | | 350 | | | | | | 52.50 (1333) | | | | | | |
| | | | 400 | | | | | | 69.75 (1772) | | | | | | |
| | | | 450 | | | | | | 87.29 (2217) | | | | | | |
| | | G5810 | 500 | 87.29 (2217) | (351) | (493) | (6) | 32.24 (819) | 28.85 (733) | 48.25 (1226) | | | | | |
| | | | 600 | 87.29 (2217) | | | | | | | | | | | |
| | | | | 32.24 (819) | | | | | | | | | | | |
| | | | | 28.85 (733) | | | | | | | | | | | |
| | | | | 48.25 (1226) | | | | | | | | | | | |

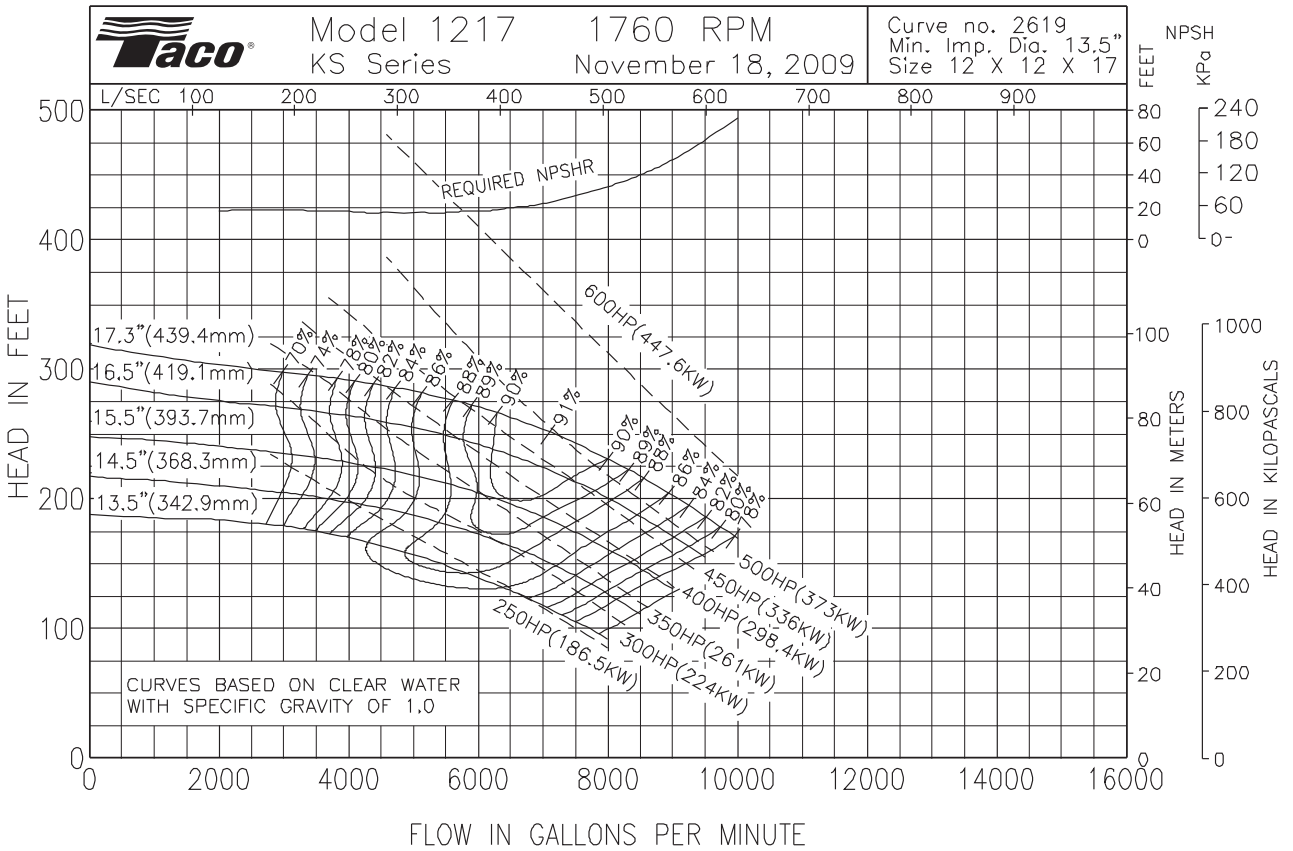
English dimensions are in inches. Metric dimensions are in millimeters. Metric data is presented in ().
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MATERIALS OF CONSTRUCTION

| | BRONZE FITTED | | |
|-----------------|--|--|--|
| | STANDARD PUMP CONSTRUCTION | | OPTIONAL |
| | 125# Flange | 250# Flange | 125# or 250# |
| Casing | Cast Iron ASTM A48/ A48M-03 Class 30A | Ductile Iron ASTM A536-84 Grade 65-45-12 | N/A |
| Impeller | Bronze ASTM B584 ALLOY C83600 or C84400 | Bronze ASTM B584 ALLOY C83600 or C84400 | N/A |
| Wear Ring | N/A | N/A | Bronze ASTM B584-98A C92200 |
| Shaft | Stainless Steel TYPE 416"™ or 410"™ ASTM A582 | Stainless Steel TYPE 416"™ or 410"™ ASTM A582 | N/A |
| Coupling | Aluminum Alloy 6061-T6 | Aluminum Alloy 6061-T6 | N/A |
| Mechanical Seal | Ceramic/EPT | Ceramic/EPT | Tungsten Carbide/EPT or Silicon Carbide/EPT |
| Seal Flush Line | Copper & Brass C3600 | Copper & Brass C3600 | N/A |

N/A = Not available

Revised: 05/31/2017



Comments: _____



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Submittal Data Information

KS Series Vertical Split Coupled Pumps (50 HZ)

301-1882 I

EFFECTIVE: JANUARY 8, 2010

SUPERSEDES: JANUARY 1, 2010

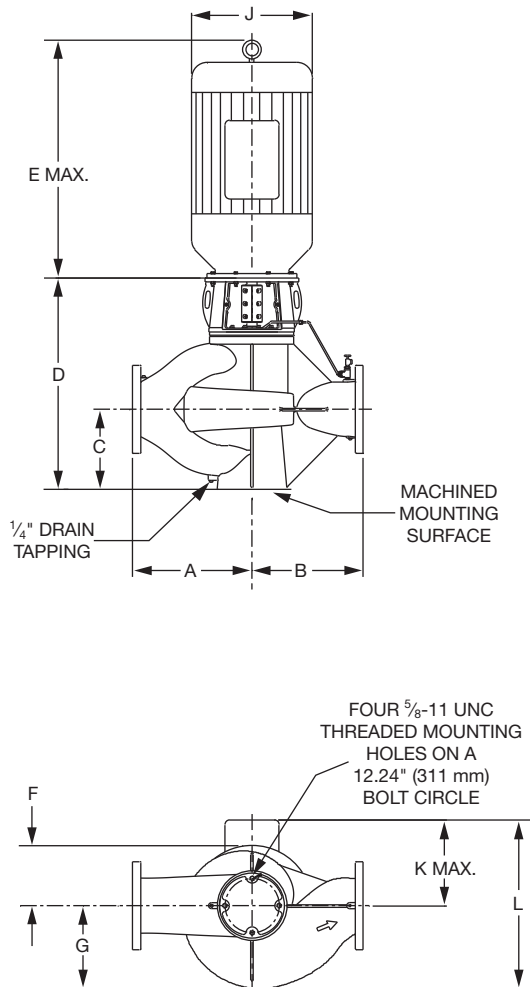
1450 RPM MODEL 1217

JOB _____ ENGINEER _____

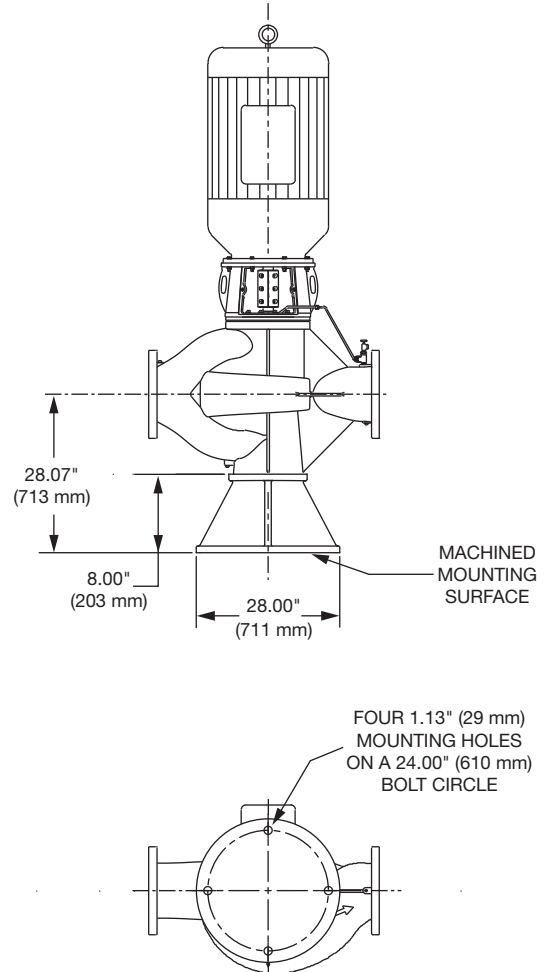
CONTRACTOR _____ REP. _____

| ITEM NO. | MODEL NO. | IMPELLER DIA. | G.P.M. | HEAD/FT. | H.P. | ELEC. CHAR. |
|----------|-----------|---------------|--------|----------|------|-------------|
| | | | | | | |

WEIGHT _____ PUMP/MOTOR _____



PUMP WITH OPTIONAL SUPPORT STAND



DIMENSIONS

*A & B Dimensions apply for all pump sizes.

| Model No. | Conn. | Motor Frame | HP 1450 RPM | Flange Size ASA | A* | B* | C | D | E MAX | F | G | H | J DIA MAX | K MAX | L |
|-----------|------------------------|-------------|-------------|-----------------|-------------------------------------|-------------------------------------|-------|-----------------|--------------|----------------|----------------|-------------|-------------|-------------|--------------|
| 1217 | 12 x 12 (305 x 305) | 444HP | 125 | 12 (305) | 32.25 (819) if ANSI Class 125 | 28.25 (718) if ANSI Class 125 | 20.07 | 53.10 (1349) | 43.49 (1105) | 13.83 (351) | 19.40 (493) | 0.25 (6) | 24.56 (624) | 20.75 (527) | 40.15 (1020) |
| | | 445HP | 150 | | | | | | 43.49 (1105) | | | | 24.56 (624) | 20.75 (527) | 40.15 (1020) |
| | | 447HP | 200 | | | | | | 52.50 (1333) | | | | 24.56 (624) | 21.71 (551) | 41.11 (1044) |
| | | 447HP | 250 | | | | | | 52.50 (1333) | | | | 24.56 (624) | 21.71 (551) | 41.11 (1044) |
| | | 449HP | 300 | | | | | | 52.50 (1333) | | | | 24.56 (624) | 21.71 (551) | 41.11 (1044) |
| | | 449HP | 350 | | | | | | 52.50 (1333) | | | | 24.56 (624) | 21.71 (551) | 41.11 (1044) |

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MATERIALS OF CONSTRUCTION

| Item | BRONZE FITTED | | ALL IRON | |
|-----------------|------------------------------|---|------------------------------|---|
| | Standard Pump Construction | Optional | Standard | Optional |
| Casing | Cast Iron ASTM A48 Class 30A | N/A | Cast Iron ASTM A48 Class 30A | N/A |
| Impeller | Bronze ASTM B584-836 | CF | Cast Iron ASTM A48 Class 30A | CF |
| Wear Ring | None | Bronze ASTM B584-932 SAE660 | None | N/A |
| Shaft | St. Steel AISI 416 ASTM A582 | N/A | St. Steel AISI 416 ASTM A582 | N/A |
| Coupling | Aluminum Alloy 6061-T6 | N/A | Aluminum Alloy 6061-T6 | N/A |
| Mechanical Seal | Ceramic / EPT | Tungsten Carbide / EPT | Ceramic / EPT | Tungsten Carbide / EPT |
| Seal Flush Line | Copper | CF | Stainless Steel | CF |
| Support Stand | N/A | Ductile Iron ASTM A536-84 Grade: 65-45-12 | N/A | Ductile Iron ASTM A536-84 Grade: 65-45-12 |

CF - Consult Factory

N/A - Not Available

OPERATING SPECIFICATIONS

| | Standard | | Optional |
|-------------|----------------------|-----------------------|----------|
| | ANSI Class 125 | ANSI Class 250 | |
| Flange | ANSI Class 125 | ANSI Class 250 | |
| Pressure | 175 PSIG* (1210 KPA) | 300 PSIG** (2070 KPA) | CF |
| Temperature | 250°F (120°C) | 250°F (120°C) | CF |

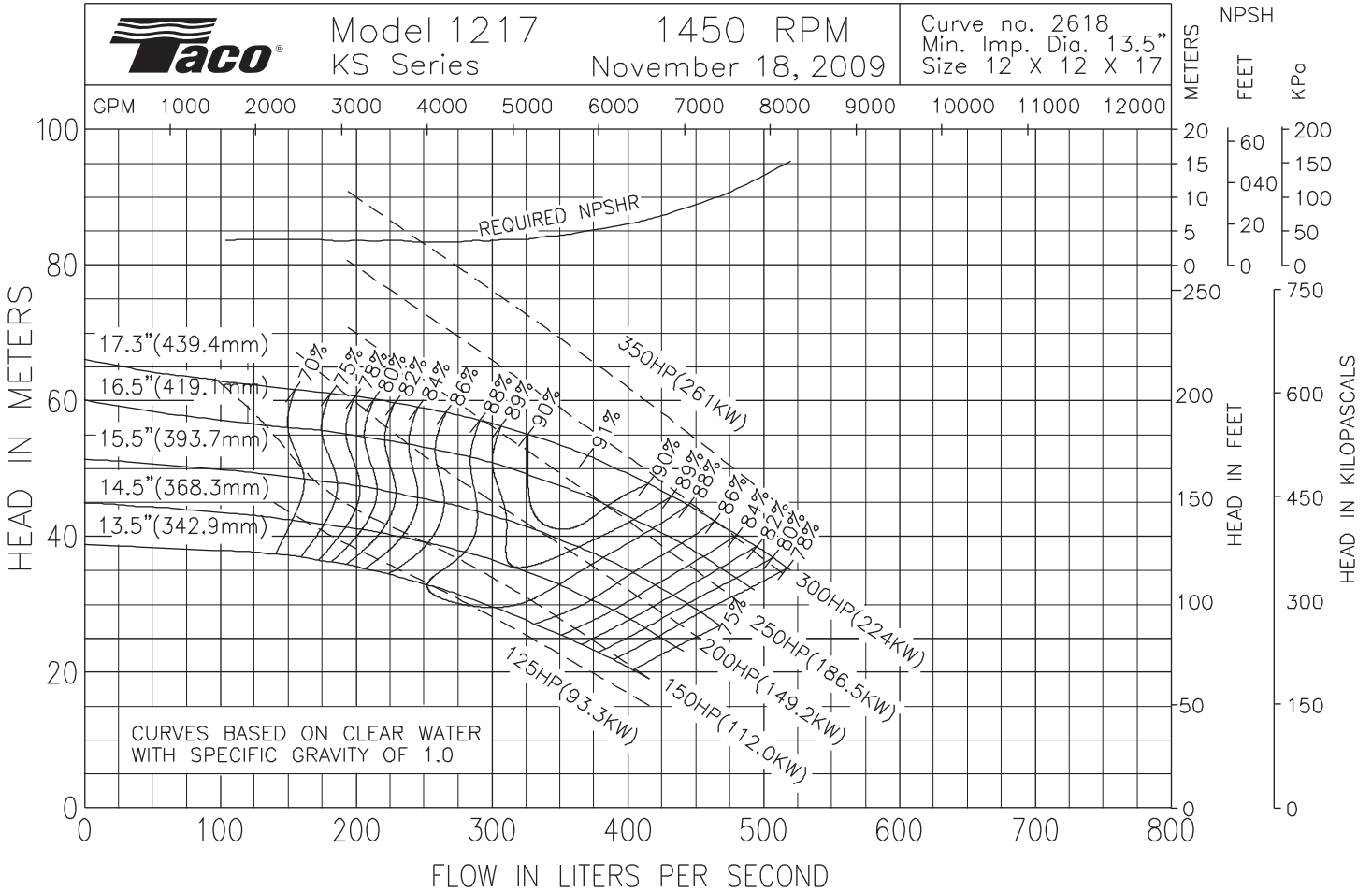
Motors: All NEMA Standard ODP Frame (CZ Shaft)

* In accordance with ANSI Standard B16.1 Class 125

** In accordance with ANSI Standard B16.1 Class 250 Dim.

MAXIMUM ASSEMBLY WEIGHT

| Motor Frame | Weight without Optional Stand Lbs (Kg) | Weight with Optional Stand Lbs (Kg) |
|---------------|--|-------------------------------------|
| 444HP - 445HP | 4586 (2080) | 4929 (2236) |
| 447HP - 449HP | 5562 (2523) | 5905 (2678) |



Comments:

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Submittal Data Information

KS Series Vertical Split Coupled Pumps (50 HZ)

301-1882 I

EFFECTIVE: MAY 31, 2017

SUPERSEDES: JANUARY 8, 2010

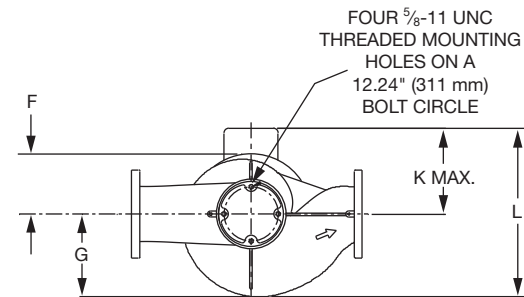
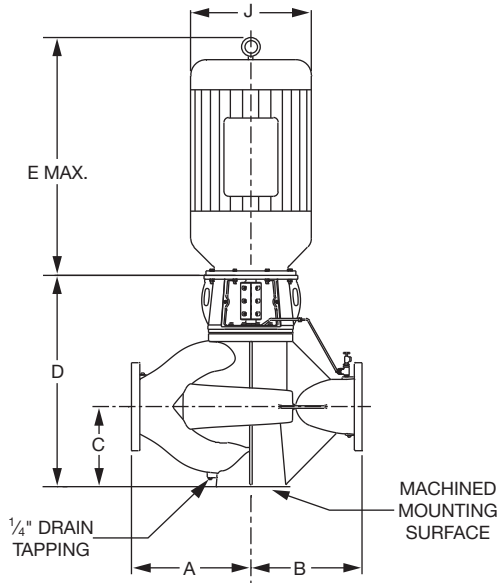
1450 RPM MODEL 1217

JOB _____ ENGINEER _____

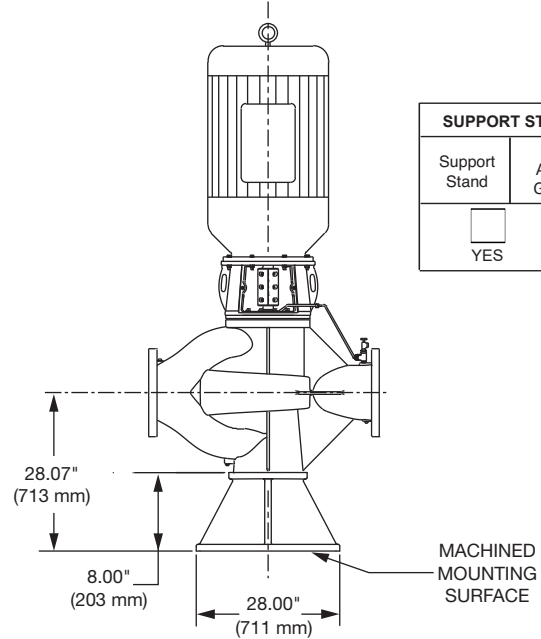
CONTRACTOR _____ REP. _____

| ITEM NO. | MODEL NO. | IMPELLER DIA. | G.P.M. | HEAD/FT. | H.P. | ELEC. CHAR. |
|----------|-----------|---------------|--------|----------|------|-------------|
| | | | | | | |

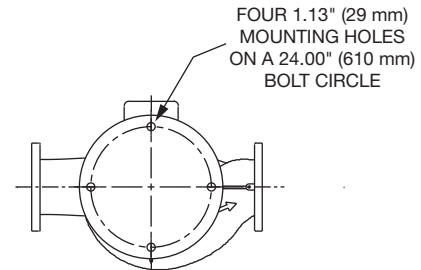
WEIGHT _____ PUMP/MOTOR _____



PUMP WITH OPTIONAL SUPPORT STAND



| SUPPORT STAND OPTION | |
|--------------------------|--|
| Support Stand | Ductile Iron ASTM A536-84 Grade 65-45-12 |
| <input type="checkbox"/> | <input type="checkbox"/> |
| YES | NO |



DIMENSIONS

*A & B Dimensions apply for all pump sizes.

| Model No. | Conn. | Motor Frame | HP 1450 RPM | Flange Size ASA | A* | B* | C | D | E MAX | F | G | H | J DIA MAX | K MAX | L |
|-----------|------------------------|-------------|-------------|-----------------|-------------------------------------|-------------------------------------|-------|-----------------|--------------|----------------|----------------|-------------|-------------|-------------|--------------|
| 1217 | 12 x 12 (305 x 305) | 444HP | 125 | 12 (305) | 32.25 (819) if ANSI Class 125 | 28.25 (718) if ANSI Class 125 | 20.07 | 53.10 (1349) | 43.49 (1105) | 13.83 (351) | 19.40 (493) | 0.25 (6) | 24.56 (624) | 20.75 (527) | 40.15 (1020) |
| | | 445HP | 150 | | | | | | 43.49 (1105) | | | | 24.56 (624) | 20.75 (527) | 40.15 (1020) |
| | | 447HP | 200 | | | | | | 52.50 (1333) | | | | 24.56 (624) | 21.71 (551) | 41.11 (1044) |
| | | 447HP | 250 | | | | | | 52.50 (1333) | | | | 24.56 (624) | 21.71 (551) | 41.11 (1044) |
| | | 449HP | 300 | | | | | | 52.50 (1333) | | | | 24.56 (624) | 21.71 (551) | 41.11 (1044) |
| | | 449HP | 350 | | | | | | 52.50 (1333) | | | | 24.56 (624) | 21.71 (551) | 41.11 (1044) |

English dimensions are in inches. Metric dimensions are in millimeters. Metric data is presented in ().
Do not use for construction purposes unless certified.

MATERIALS OF CONSTRUCTION

| | BRONZE FITTED | | |
|-----------------|--|--|---|
| | STANDARD PUMP CONSTRUCTION | | OPTIONAL 125# or 250# |
| | 125# Flange | 250# Flange | |
| Casing | Cast Iron ASTM A48/ A48M-03 Class 30A | Ductile Iron ASTM A536-84 Grade 65-45-12 | N/A |
| Impeller | Bronze ASTM B584 ALLOY C83600 or C84400 | Bronze ASTM B584 ALLOY C83600 or C84400 | N/A |
| Wear Ring | N/A | N/A | Bronze ASTM B584-98A C92200 |
| Shaft | Stainless Steel TYPE 416"TI" or 410"TI" ASTM A582 | Stainless Steel TYPE 416"TI" or 410"TI" ASTM A582 | N/A |
| Coupling | Aluminum Alloy 6061-T6 | Aluminum Alloy 6061-T6 | N/A |
| Mechanical Seal | Ceramic/EPT | Ceramic/EPT | Tungsten Carbide/EPT or Silicon- Carbide/EPT |
| Seal Flush Line | Copper & Brass C3600 | Copper & Brass C3600 | N/A |

N/A = Not available

Revised: 05/31/2017

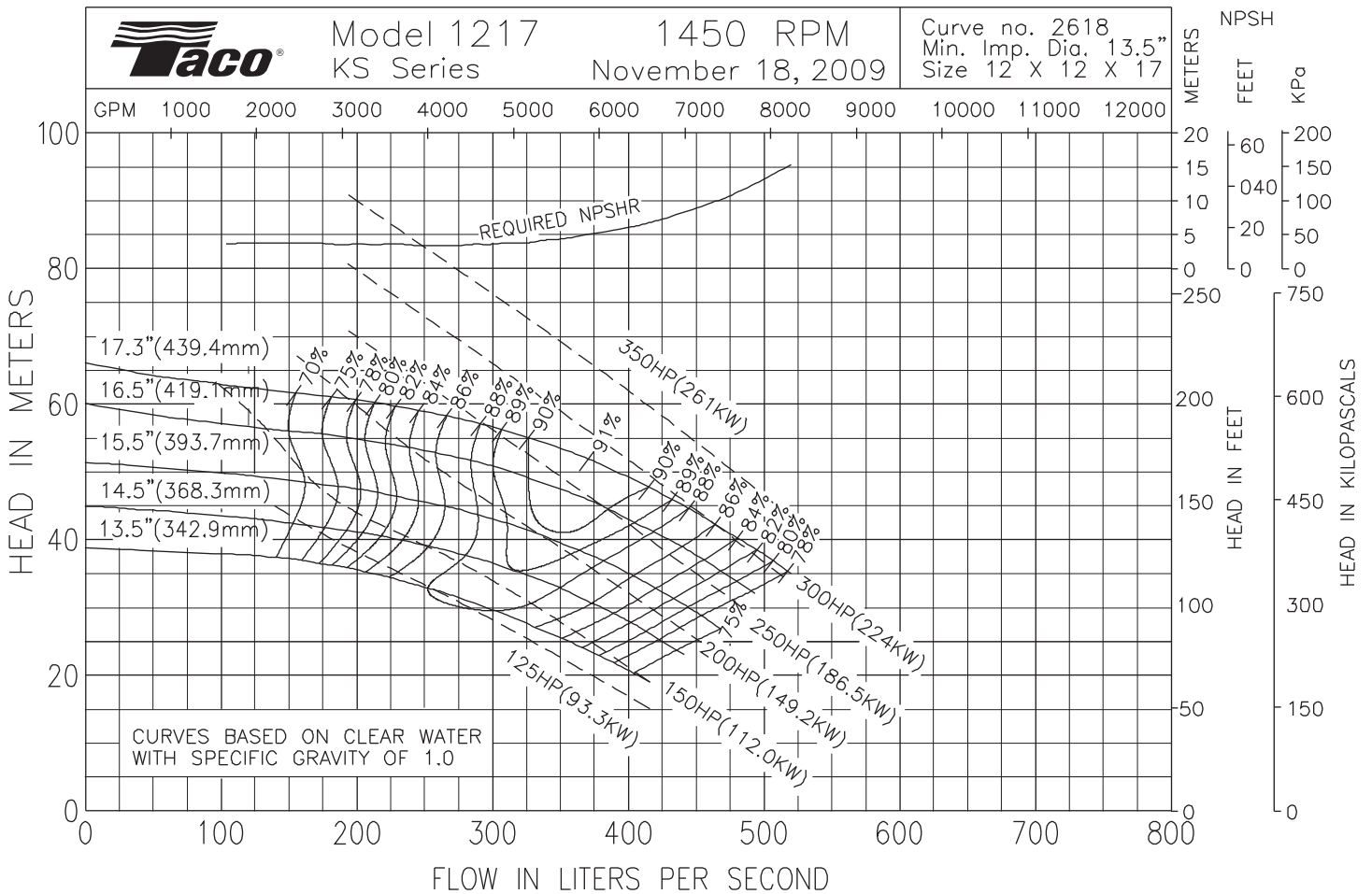
OPERATING SPECIFICATIONS

| | Standard | | Optional |
|-------------|-------------------------|--------------------------|----------|
| Flange | ANSI Class 125 | ANSI Class 250 | |
| Pressure | 175 PSIG* (1210 KPA) | 300 PSIG** (2070 KPA) | CF |
| Temperature | 250°F (120°C) | 250°F (120°C) | CF |

Motors: All NEMA Standard ODP Frame (CZ Shaft)
 * In accordance with ANSI Standard B16.1 Class 125
 ** In accordance with ANSI Standard B16.1 Class 250 Dim.

MAXIMUM ASSEMBLY WEIGHT

| Motor Frame | Weight without Optional Stand Lbs (Kg) | Weight with Optional Stand Lbs (Kg) |
|---------------|--|---|
| 444HP - 445HP | 4586 (2080) | 4929 (2236) |
| 447HP - 449HP | 5562 (2523) | 5905 (2678) |



Comments:



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