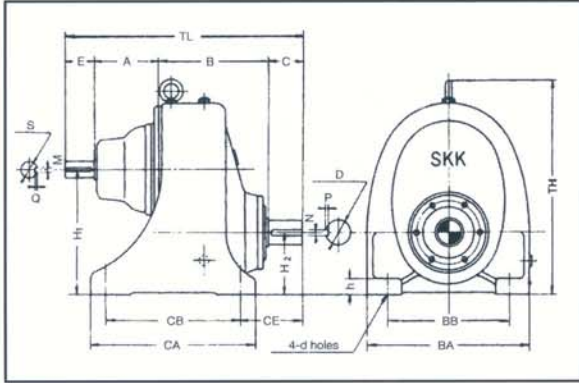


# AFC Speed Reducer Dimensions

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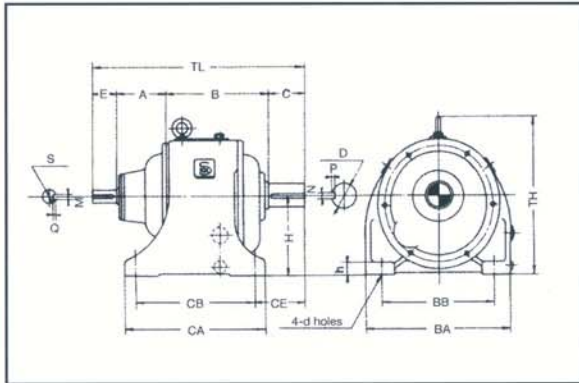
## AFC Single Reduction (S)



## Single Reduction (S)

| Frame   | A                               | E                              | S                              | M    | Q    | TL                               | Wt. (lb.) |
|---------|---------------------------------|--------------------------------|--------------------------------|------|------|----------------------------------|-----------|
| 20H-20S | 3                               | 1 <sup>9</sup> / <sub>16</sub> | 3/4                            | 3/16 | 3/32 | 10 <sup>11</sup> / <sub>16</sub> | 40        |
| 22H-25S | 3 <sup>11</sup> / <sub>32</sub> | 1 <sup>3</sup> / <sub>4</sub>  | 7/8                            | 3/16 | 3/32 | 11 <sup>13</sup> / <sub>16</sub> | 57        |
| 25H-30S | 3 <sup>3</sup> / <sub>4</sub>   | 1 <sup>3</sup> / <sub>4</sub>  | 1                              | 1/4  | 1/8  | 13 <sup>5</sup> / <sub>32</sub>  | 78        |
| 30H-35S | 4 <sup>11</sup> / <sub>32</sub> | 2 <sup>3</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>4</sub>  | 1/4  | 1/8  | 15                               | 103       |
| 35H-40S | 4 <sup>29</sup> / <sub>32</sub> | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>3</sup> / <sub>8</sub>  | 5/16 | 5/32 | 16 <sup>19</sup> / <sub>32</sub> | 135       |
| 40H-45S | 5 <sup>1</sup> / <sub>2</sub>   | 2 <sup>9</sup> / <sub>16</sub> | 1 <sup>9</sup> / <sub>16</sub> | 3/8  | 3/16 | 17 <sup>31</sup> / <sub>32</sub> | 177       |
| 45H-50S | 6 <sup>1</sup> / <sub>32</sub>  | 2 <sup>3</sup> / <sub>4</sub>  | 1 <sup>3</sup> / <sub>4</sub>  | 3/8  | 3/16 | 19 <sup>7</sup> / <sub>8</sub>   | 264       |
| 50H-60S | 6 <sup>7</sup> / <sub>8</sub>   | 3 <sup>1</sup> / <sub>8</sub>  | 2                              | 1/2  | 1/4  | 22 <sup>13</sup> / <sub>32</sub> | 422       |
| 55H-65S | 7 <sup>7</sup> / <sub>8</sub>   | 3 <sup>3</sup> / <sub>8</sub>  | 2 <sup>1</sup> / <sub>4</sub>  | 1/2  | 1/4  | 25 <sup>5</sup> / <sub>32</sub>  | 574       |
| 60H-75S | 8 <sup>3</sup> / <sub>32</sub>  | 3 <sup>9</sup> / <sub>16</sub> | 2 <sup>3</sup> / <sub>8</sub>  | 5/8  | 5/16 | 27 <sup>17</sup> / <sub>32</sub> | 746       |

## AFC Double Reduction (D)

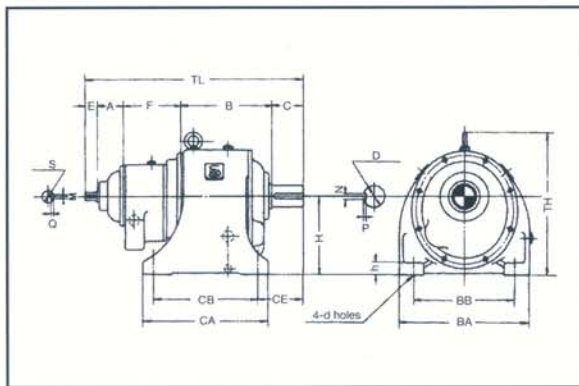


## Double Reduction (D)

| Frame    | A                               | E                              | S                              | M    | Q    | TL                               | Wt. (lb.) |
|----------|---------------------------------|--------------------------------|--------------------------------|------|------|----------------------------------|-----------|
| 18H-30D  | 2 <sup>9</sup> / <sub>16</sub>  | 1 <sup>9</sup> / <sub>16</sub> | 2 <sup>3</sup> / <sub>32</sub> | 3/16 | 3/32 | 11 <sup>29</sup> / <sub>32</sub> | 44        |
| 20H-30D  | 3                               | 1 <sup>9</sup> / <sub>16</sub> | 3/4                            | 3/16 | 3/32 | 12 <sup>7</sup> / <sub>32</sub>  | 45        |
| 20H-35D  | 3                               | 1 <sup>9</sup> / <sub>16</sub> | 3/4                            | 3/16 | 3/32 | 13 <sup>9</sup> / <sub>8</sub>   | 71        |
| 22H-35D  | 3 <sup>11</sup> / <sub>32</sub> | 1 <sup>3</sup> / <sub>4</sub>  | 7/8                            | 3/16 | 3/32 | 14 <sup>5</sup> / <sub>32</sub>  | 69        |
| 22H-45D  | 3 <sup>11</sup> / <sub>32</sub> | 1 <sup>3</sup> / <sub>4</sub>  | 7/8                            | 3/16 | 3/32 | 15 <sup>5</sup> / <sub>16</sub>  | 94        |
| 25H-35D  | 4 <sup>1</sup> / <sub>16</sub>  | 1 <sup>3</sup> / <sub>4</sub>  | 1                              | 1/4  | 1/8  | 14 <sup>7</sup> / <sub>8</sub>   | 72        |
| 25H-45D  | 3 <sup>3</sup> / <sub>4</sub>   | 1 <sup>3</sup> / <sub>4</sub>  | 1                              | 1/4  | 1/8  | 15 <sup>23</sup> / <sub>32</sub> | 100       |
| 25H-50D  | 3 <sup>3</sup> / <sub>4</sub>   | 1 <sup>3</sup> / <sub>4</sub>  | 1                              | 1/4  | 1/8  | 16 <sup>15</sup> / <sub>16</sub> | 120       |
| 30H-45D  | 4 <sup>23</sup> / <sub>32</sub> | 2 <sup>3</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>4</sub>  | 1/4  | 1/8  | 17 <sup>1</sup> / <sub>8</sub>   | 103       |
| 30H-50D  | 4 <sup>11</sup> / <sub>32</sub> | 2 <sup>3</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>4</sub>  | 1/4  | 1/8  | 17 <sup>31</sup> / <sub>32</sub> | 137       |
| 30H-55D  | 4 <sup>11</sup> / <sub>32</sub> | 2 <sup>3</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>4</sub>  | 1/4  | 1/8  | 19 <sup>5</sup> / <sub>16</sub>  | 198       |
| 35H-50D  | 5 <sup>1</sup> / <sub>4</sub>   | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>3</sup> / <sub>8</sub>  | 5/16 | 5/32 | 19 <sup>1</sup> / <sub>16</sub>  | 145       |
| 35H-55D  | 4 <sup>29</sup> / <sub>32</sub> | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>3</sup> / <sub>8</sub>  | 5/16 | 5/32 | 20 <sup>1</sup> / <sub>16</sub>  | 215       |
| 35H-65D  | 4 <sup>29</sup> / <sub>32</sub> | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>3</sup> / <sub>8</sub>  | 5/16 | 5/32 | 21 <sup>15</sup> / <sub>32</sub> | 268       |
| 40H-55D  | 5 <sup>29</sup> / <sub>32</sub> | 2 <sup>9</sup> / <sub>16</sub> | 1 <sup>9</sup> / <sub>16</sub> | 3/8  | 3/16 | 21 <sup>1</sup> / <sub>4</sub>   | 235       |
| 40H-65D  | 5 <sup>1</sup> / <sub>2</sub>   | 2 <sup>9</sup> / <sub>16</sub> | 1 <sup>9</sup> / <sub>16</sub> | 3/8  | 3/16 | 22 <sup>1</sup> / <sub>4</sub>   | 280       |
| 40H-75D  | 5 <sup>1</sup> / <sub>2</sub>   | 2 <sup>9</sup> / <sub>16</sub> | 1 <sup>9</sup> / <sub>16</sub> | 3/8  | 3/16 | 24                               | 362       |
| 45H-65D  | 6 <sup>13</sup> / <sub>32</sub> | 2 <sup>3</sup> / <sub>4</sub>  | 1 <sup>3</sup> / <sub>4</sub>  | 3/8  | 3/16 | 23 <sup>11</sup> / <sub>32</sub> | 290       |
| 45H-75D  | 6 <sup>1</sup> / <sub>32</sub>  | 2 <sup>3</sup> / <sub>4</sub>  | 1 <sup>3</sup> / <sub>4</sub>  | 3/8  | 3/16 | 24 <sup>23</sup> / <sub>32</sub> | 375       |
| 45H-80D  | 5 <sup>29</sup> / <sub>32</sub> | 2 <sup>3</sup> / <sub>4</sub>  | 1 <sup>3</sup> / <sub>4</sub>  | 3/8  | 3/16 | 26 <sup>29</sup> / <sub>32</sub> | 469       |
| 50H-75D  | 7 <sup>13</sup> / <sub>32</sub> | 3 <sup>3</sup> / <sub>32</sub> | 2                              | 1/2  | 1/4  | 26 <sup>1</sup> / <sub>2</sub>   | 395       |
| 50H-80D  | 6 <sup>7</sup> / <sub>8</sub>   | 3 <sup>5</sup> / <sub>32</sub> | 2                              | 1/2  | 1/4  | 28 <sup>5</sup> / <sub>32</sub>  | 497       |
| 50H-90D  | 6 <sup>7</sup> / <sub>8</sub>   | 3 <sup>5</sup> / <sub>32</sub> | 2                              | 1/2  | 1/4  | 30 <sup>3</sup> / <sub>32</sub>  | 631       |
| 55H-80D  | 8 <sup>3</sup> / <sub>32</sub>  | 3 <sup>3</sup> / <sub>8</sub>  | 2 <sup>1</sup> / <sub>4</sub>  | 1/2  | 1/4  | 29 <sup>29</sup> / <sub>32</sub> | 503       |
| 55H-90D  | 7 <sup>7</sup> / <sub>8</sub>   | 3 <sup>3</sup> / <sub>8</sub>  | 2 <sup>1</sup> / <sub>4</sub>  | 1/2  | 1/4  | 31 <sup>5</sup> / <sub>16</sub>  | 642       |
| 55H-100D | 7 <sup>7</sup> / <sub>8</sub>   | 3 <sup>3</sup> / <sub>8</sub>  | 2 <sup>1</sup> / <sub>4</sub>  | 1/2  | 1/4  | 33 <sup>11</sup> / <sub>16</sub> | 889       |
| 60H-90D  | 8 <sup>11</sup> / <sub>16</sub> | 3 <sup>9</sup> / <sub>16</sub> | 2 <sup>3</sup> / <sub>8</sub>  | 5/8  | 5/16 | 32 <sup>5</sup> / <sub>16</sub>  | 684       |
| 60H-100D | 8 <sup>3</sup> / <sub>32</sub>  | 3 <sup>9</sup> / <sub>16</sub> | 2 <sup>3</sup> / <sub>8</sub>  | 5/8  | 5/16 | 34 <sup>9</sup> / <sub>32</sub>  | 960       |
| 65H-100D | 8 <sup>21</sup> / <sub>32</sub> | 3 <sup>3</sup> / <sub>4</sub>  | 2 <sup>5</sup> / <sub>8</sub>  | 5/8  | 5/16 | 34 <sup>27</sup> / <sub>32</sub> | 981       |

Consult Hampton PT for sizes above 100D/100DD.

## AFC Quadruple Reduction (DD)



# AFC Speed Reducer Dimensions

### Single Reduction (S)

| Frame | B       | C       | CA       | CB       | CE      | BA       | BB       | TH*      | H1       | H2      | h      | d      | D      | N    | P    |
|-------|---------|---------|----------|----------|---------|----------|----------|----------|----------|---------|--------|--------|--------|------|------|
| 20S   | 4 9/16  | 1 9/16  | 7 15/32  | 6 5/16   | 2 3/8   | 7 7/8    | 5 1/2    | 10 11/32 | 5 29/32  | 3 11/32 | 5/8    | 1 5/32 | 3/4    | 3/16 | 3/32 |
| 25S   | 4 31/32 | 1 3/4   | 8 15/32  | 6 7/8    | 2 3/4   | 9 1/16   | 6 11/16  | 11 9/16  | 6 21/32  | 3 3/4   | 7/8    | 1 9/32 | 1      | 1/4  | 1/8  |
| 30S   | 5 1/2   | 2 5/32  | 9 7/16   | 7 7/8    | 3 5/32  | 10 1/4   | 7 7/8    | 13 1/4   | 7 1/2    | 4 1/8   | 1      | 1 9/32 | 1 1/4  | 1/4  | 1/8  |
| 35S   | 5 29/32 | 2 9/16  | 10 1/4   | 8 9/32   | 3 3/4   | 11 19/32 | 9 1/16   | 14 5/8   | 8 3/8    | 4 17/32 | 1      | 1 9/32 | 1 3/8  | 5/16 | 5/32 |
| 40S   | 6 1/2   | 2 3/4   | 11 7/32  | 9 1/4    | 4 1/8   | 12 19/32 | 9 27/32  | 16 5/8   | 9 3/4    | 5 5/16  | 1 5/32 | 3/4    | 1 9/16 | 3/8  | 3/16 |
| 45S   | 7 5/32  | 2 3/4   | 12 3/8   | 10 1/32  | 4 11/32 | 13 3/4   | 10 5/8   | 18 1/2   | 10 21/32 | 5 11/16 | 1 5/32 | 3/4    | 1 3/4  | 3/8  | 3/16 |
| 50S   | 7 15/16 | 3 5/32  | 13 19/32 | 11 7/32  | 4 23/32 | 15 11/32 | 11 13/16 | 20 19/32 | 12 5/32  | 6 1/2   | 1 3/8  | 1 5/16 | 2      | 1/2  | 1/4  |
| 60S   | 8 27/32 | 3 9/16  | 14 15/16 | 12 19/32 | 5 1/8   | 16 5/32  | 12 7/32  | 22 1/4   | 13 7/16  | 7 3/32  | 1 9/16 | 1 5/16 | 2 5/8  | 5/8  | 5/16 |
| 65S   | 10 5/32 | 3 3/4   | 16 3/4   | 13 19/32 | 5 23/32 | 17 23/32 | 13 3/8   | 24 13/32 | 14 27/32 | 7 7/8   | 1 3/4  | 1 1/8  | 2 5/8  | 5/8  | 5/16 |
| 75S   | 11 5/32 | 4 17/32 | 18 11/16 | 15 5/32  | 6 1/2   | 19 5/16  | 14 9/16  | 26 3/4   | 16 17/32 | 8 21/32 | 1 3/4  | 1 1/8  | 3      | 3/4  | 3/8  |

### Double Reduction (D) and Quadruple Reduction (DD) Common Dimensions

| Frame   | B        | C       | CA       | CB       | CE      | BA       | BB       | TH*      | H        | h       | d      | D     | N    | P    |
|---------|----------|---------|----------|----------|---------|----------|----------|----------|----------|---------|--------|-------|------|------|
| 30D/DD  | 5 1/2    | 2 5/32  | 7 11/16  | 6 1/2    | 2 15/16 | 8 9/32   | 6 5/16   | 9 3/16   | 4 17/32  | 5/8     | 1 5/32 | 1 1/4 | 1/4  | 1/8  |
| 35D/DD  | 6 1/2    | 2 9/16  | 9 1/16   | 7 15/32  | 3 17/32 | 9 7/16   | 7 3/32   | 10 11/16 | 5 5/16   | 7/8     | 1 9/32 | 1 3/8 | 5/16 | 5/32 |
| 45D/DD  | 7 15/32  | 2 3/4   | 10 7/16  | 8 27/32  | 3 3/4   | 10 13/16 | 8 15/32  | 11 31/32 | 6 3/32   | 31/32   | 1 9/32 | 1 3/4 | 3/8  | 3/16 |
| 50D/DD  | 8 9/32   | 3 5/32  | 11 5/8   | 9 21/32  | 4 11/32 | 12 7/32  | 9 7/16   | 13 29/32 | 7 3/32   | 1 3/16  | 3/4    | 2     | 1/2  | 1/4  |
| 55D/DD  | 9 7/16   | 3 11/32 | 13 3/8   | 11 13/32 | 4 17/32 | 13 25/32 | 10 5/8   | 15 15/32 | 8 1/16   | 1 3/16  | 3/4    | 2 1/4 | 1/2  | 1/4  |
| 65D/DD  | 10 7/16  | 3 3/4   | 14 15/16 | 12 19/32 | 5 1/8   | 15 11/32 | 11 13/16 | 16 31/32 | 9 1/16   | 1 3/8   | 1 5/16 | 2 5/8 | 5/8  | 5/16 |
| 75D/DD  | 11 13/32 | 4 17/32 | 16 17/32 | 14 5/32  | 5 29/32 | 17 5/16  | 13 3/8   | 19 3/32  | 10 1/4   | 1 9/16  | 1 5/16 | 3     | 3/4  | 3/8  |
| 80D/DD  | 13 3/16  | 4 15/16 | 18 11/16 | 15 9/16  | 6 11/16 | 19 9/16  | 14 15/16 | 20 7/8   | 11 5/8   | 1 25/32 | 1 1/8  | 3 1/4 | 3/4  | 3/8  |
| 90D/DD  | 14 3/8   | 5 11/16 | 20 7/8   | 17 23/32 | 7 15/32 | 21 1/4   | 16 17/32 | 23 1/16  | 12 13/16 | 1 25/32 | 1 1/8  | 3 1/2 | 7/8  | 7/16 |
| 100D/DD | 15 15/16 | 6 1/2   | 23 5/8   | 19 11/16 | 8 15/32 | 23 5/8   | 18 1/2   | 26 9/16  | 14 9/16  | 2 5/32  | 1 3/8  | 3 7/8 | 1    | 1/2  |

### Quadruple Reduction (DD)

| Frame        | A       | E      | F       | S      | M    | Q    | TL       | Wt. (lb.) |
|--------------|---------|--------|---------|--------|------|------|----------|-----------|
| 20H-30-45DD  | 3       | 1 9/16 | 5 5/16  | 3/4    | 3/16 | 3/32 | 20 9/32  | 108       |
| 20H-30-50DD  | 3       | 1 9/16 | 5 5/16  | 3/4    | 3/16 | 3/32 | 21 5/16  | 130       |
| 20H-30-55DD  | 3       | 1 9/16 | 5 5/16  | 3/4    | 3/16 | 3/32 | 22 21/32 | 188       |
| 20H-30-65DD  | 3       | 1 9/16 | 5 1/2   | 3/4    | 3/16 | 3/32 | 24 1/4   | 247       |
| 22H-35-50DD  | 3 11/32 | 1 3/4  | 6 1/2   | 7/8    | 3/16 | 3/32 | 23 1/32  | 197       |
| 22H-35-55DD  | 3 11/32 | 1 3/4  | 6 9/16  | 7/8    | 3/16 | 3/32 | 24 3/16  | 256       |
| 22H-35-65DD  | 3 11/32 | 1 3/4  | 6 9/16  | 7/8    | 3/16 | 3/32 | 25 19/32 | 311       |
| 22H-35-75DD  | 3 11/32 | 1 3/4  | 6 9/16  | 7/8    | 3/16 | 3/32 | 27 11/32 | 384       |
| 25H-35-55DD  | 4 1/16  | 1 3/4  | 6 9/16  | 1      | 1/4  | 1/8  | 24 29/32 | 281       |
| 25H-35-65DD  | 4 1/16  | 1 3/4  | 6 9/16  | 1      | 1/4  | 1/8  | 26 5/16  | 341       |
| 25H-35-75DD  | 4 1/16  | 1 3/4  | 6 9/16  | 1      | 1/4  | 1/8  | 28 1/16  | 403       |
| 25H-35-80DD  | 4 1/16  | 1 3/4  | 6 1/2   | 1      | 1/4  | 1/8  | 30 7/16  | 536       |
| 30H-45-65DD  | 4 11/32 | 2 3/8  | 7 9/32  | 1 1/4  | 1/4  | 1/8  | 28 3/8   | 355       |
| 30H-45-75DD  | 4 11/32 | 2 3/8  | 7 9/32  | 1 1/4  | 1/4  | 1/8  | 30 1/8   | 433       |
| 30H-45-80DD  | 4 11/32 | 2 3/8  | 7 9/32  | 1 1/4  | 1/4  | 1/8  | 32 5/16  | 572       |
| 30H-45-90DD  | 4 11/32 | 2 3/8  | 7 9/32  | 1 1/4  | 1/4  | 1/8  | 34 1/4   | 729       |
| 35H-50-75DD  | 4 25/32 | 2 3/8  | 8 1/16  | 1 3/8  | 5/16 | 5/32 | 31 5/8   | 463       |
| 35H-50-80DD  | 4 25/32 | 2 3/8  | 8 1/16  | 1 3/8  | 5/16 | 5/32 | 33 25/32 | 619       |
| 35H-50-90DD  | 4 25/32 | 2 3/8  | 8 9/32  | 1 3/8  | 5/16 | 5/32 | 35 31/32 | 690       |
| 35H-50-100DD | 4 25/32 | 2 3/8  | 8 9/32  | 1 3/8  | 5/16 | 5/32 | 38 11/32 | 917       |
| 40H-55-90DD  | 5 29/32 | 2 9/16 | 9 1/4   | 1 9/16 | 3/8  | 3/16 | 37 13/16 | 833       |
| 40H-55-100DD | 5 29/32 | 2 9/16 | 9 1/4   | 1 9/16 | 3/8  | 3/16 | 40 5/32  | 1030      |
| 45H-65-100DD | 6 15/32 | 2 3/4  | 10 7/16 | 1 3/4  | 3/8  | 3/16 | 42 1/32  | 1136      |