

# 10

### Electric overhead conveyors series BM - Dimension

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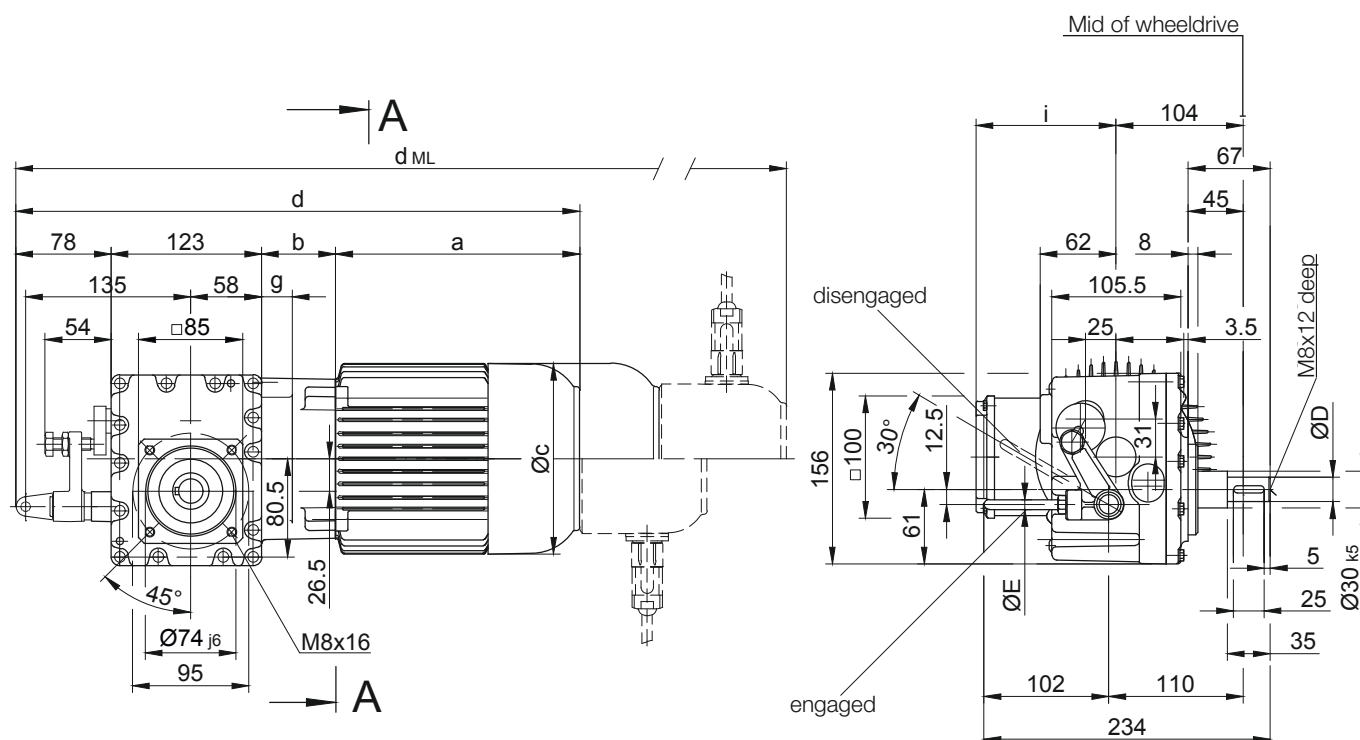
# Electric overhead conveyors series BM

## Dimension - Standard

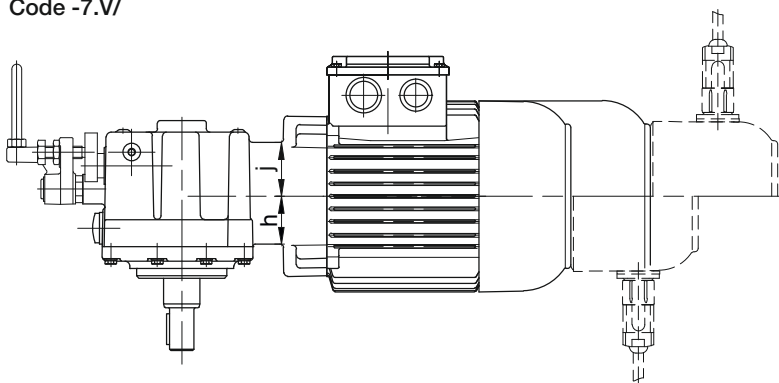
### BM09

Flange with tapped holes at front. Follow-up type of SZ2-V3209

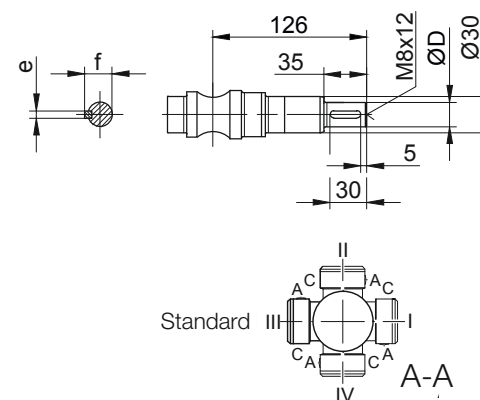
Code -7.V/



Code -7.V/



Code -1/



| Type                | a     | b  | c   | d     | i     | Design with motor extensions |                 |                 |                    |                 |
|---------------------|-------|----|-----|-------|-------|------------------------------|-----------------|-----------------|--------------------|-----------------|
|                     |       |    |     |       |       | i <sub>TB</sub>              | Brake           | Encoder         | Brake with Encoder | Back Stop       |
|                     |       |    |     |       |       |                              | d <sub>ML</sub> | d <sub>ML</sub> | d <sub>ML</sub>    | d <sub>ML</sub> |
| BM09(X)-../D..05.A. | 170.5 | 30 | 123 | 401.5 | 101   | 117                          | 443.5           | 504             | 541.5              | -               |
| BM09(X)-../D..06.A. | 170.5 | 30 | 123 | 401.5 | 99    | 119                          | 443.5           | 504             | 541.5              | -               |
| BM09(X)-../S..06.A. | 170.5 | 30 | 123 | 401.5 | 99    | 119                          | 443.5           | 504             | 541.5              | -               |
| BM09(X)-../D..07.A. | 190.5 | 30 | 123 | 421.5 | 99    | 119                          | 463.5           | 524             | 561.5              | -               |
| BM09(X)-../D..08.A. | 199.5 | 74 | 156 | 474.5 | 114.5 | 136.5                        | 540.5           | 586.5           | 648                | -               |
| BM09(X)-../D..08.B. | 199.5 | 74 | 156 | 474.5 | 114.5 | 136.5                        | 275             | 616.5           | 677.5              | -               |
| BM09(X)-../S..08.A. | 199.5 | 74 | 156 | 474.5 | 114.5 | 136.5                        | 540.5           | 586.5           | 648                | -               |
| BM09(X)-../S..08.B. | 199.5 | 74 | 156 | 474.5 | 114.5 | 136.5                        | 275             | 616.5           | 677.5              | -               |

Dimensions in millimetres (mm)

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under [www.BauerCat.com](http://www.BauerCat.com).

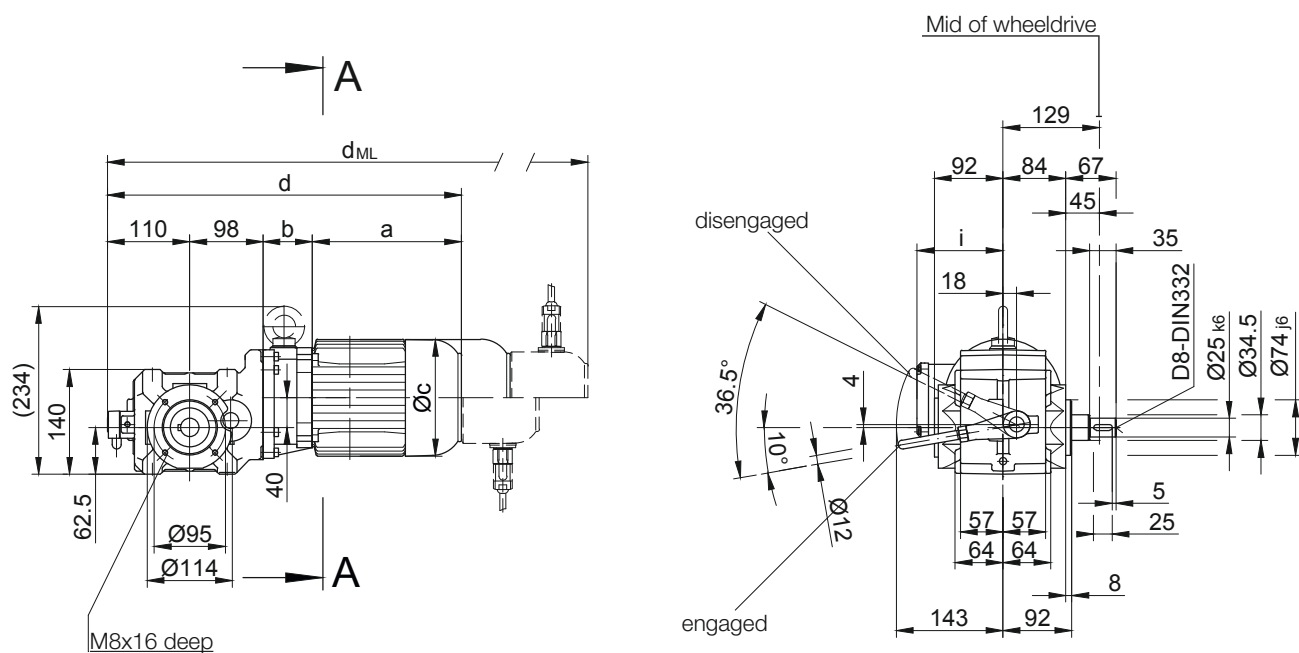
# Electric overhead conveyors series BM

## Dimension - Standard

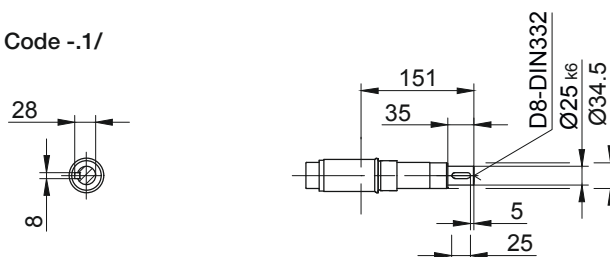
### BM10-BM10X

Flange with tapped holes at front

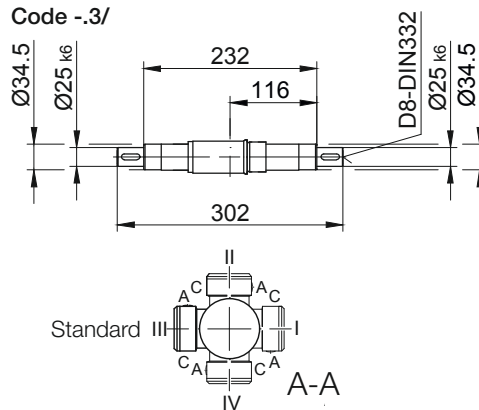
Code -7.V/



Code -.1/



Code -.3/



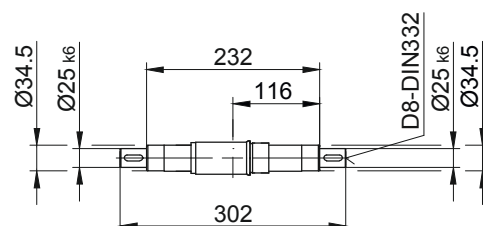
| Type                | a     | b    | c   | d     | i     | Design with motor extensions |                 |                 |                    |                 |
|---------------------|-------|------|-----|-------|-------|------------------------------|-----------------|-----------------|--------------------|-----------------|
|                     |       |      |     |       |       | i <sub>TB</sub>              | Brake           | Encoder         | Brake with Encoder | Back Stop       |
|                     |       |      |     |       |       |                              | d <sub>ML</sub> | d <sub>ML</sub> | d <sub>ML</sub>    | d <sub>ML</sub> |
| BM10(X)-../D..05.A. | 170.5 | 62   | 123 | 440.5 | 101   | 117                          | 482.5           | 543             | 580.5              | -               |
| BM10(X)-../D..06.A. | 170.5 | 62   | 123 | 440.5 | 99    | 119                          | 482.5           | 543             | 580.5              | -               |
| BM10(X)-../S..06.A. | 170.5 | 62   | 123 | 440.5 | 99    | 119                          | 482.5           | 543             | 580.5              | -               |
| BM10(X)-../D..07.A. | 190.5 | 62   | 123 | 460.5 | 99    | 119                          | 502.5           | 563             | 600.5              | -               |
| BM10(X)-../D..08.A. | 199.5 | 66   | 156 | 473.5 | 114.5 | 136.5                        | 539.5           | 585.5           | 647                | -               |
| BM10(X)-../D..08.B. | 229.5 | 66   | 156 | 503.5 | 114.5 | 136.5                        | 569.5           | 615.5           | 676.5              | -               |
| BM10(X)-../S..08.A. | 199.5 | 66   | 156 | 473.5 | 114.5 | 136.5                        | 539.5           | 585.5           | 647                | -               |
| BM10(X)-../S..08.B. | 229.5 | 66   | 156 | 503.5 | 114.5 | 136.5                        | 569.5           | 615.5           | 676.5              | -               |
| BM10(X)-../D..09.A. | 250.5 | 80.5 | 176 | 539   | 124   | 157                          | 632             | 646.5           | 736                | -               |
| BM10(X)-../D..09.B. | 308.5 | 80.5 | 176 | 597   | 124   | 157                          | 690             | 704             | 794                | -               |
| BM10(X)-../S..09.A. | 250.5 | 80.5 | 176 | 539   | 124   | 157                          | 632             | 646.5           | 736                | -               |
| BM10(X)-../S..09.B. | 308.5 | 80.5 | 176 | 597   | 124   | 157                          | 690             | 704             | 794                | -               |

Dimensions in millimetres (mm)

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under [www.BauerCat.com](http://www.BauerCat.com).

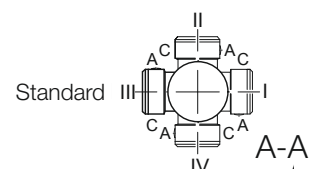
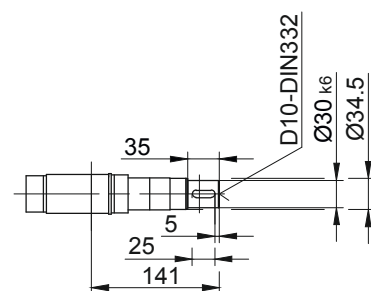
## Dimension - Standard

## Code -6.UO/



## Dimension - Standard

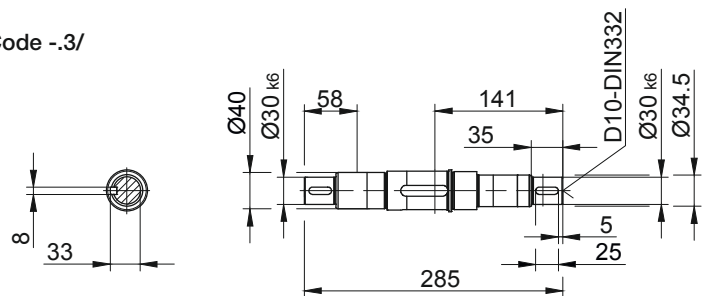
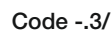
Code -7.V/

Dimensions in millimetres (mm)

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under [www.BauerCat.com](http://www.BauerCat.com).

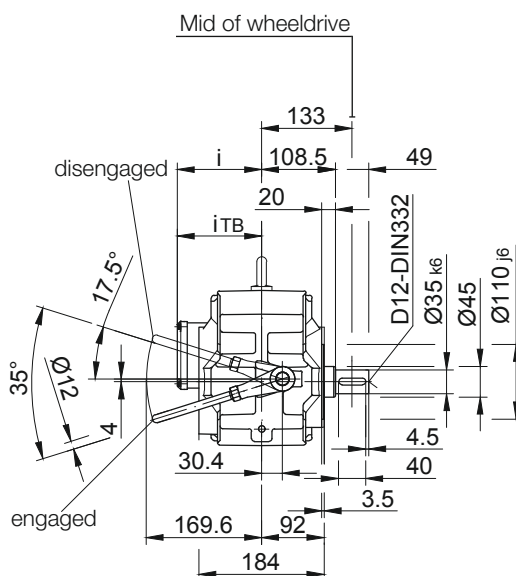
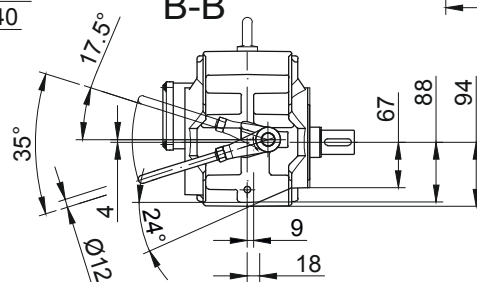
## Dimension - Standard

## Code -6.UO/

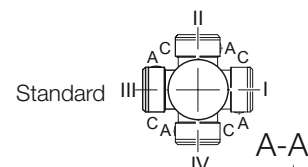
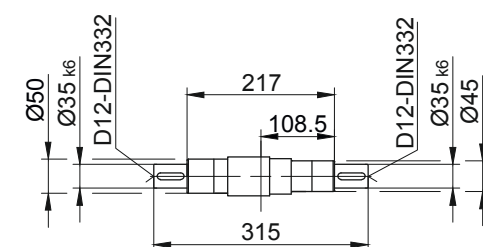


## Dimension - Standard

Code -7.V/



Code -.3/

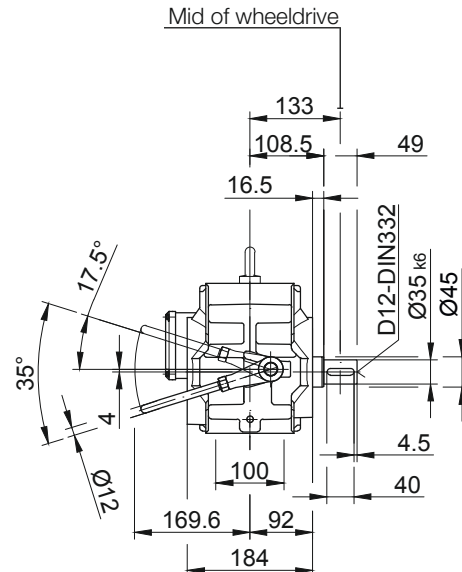
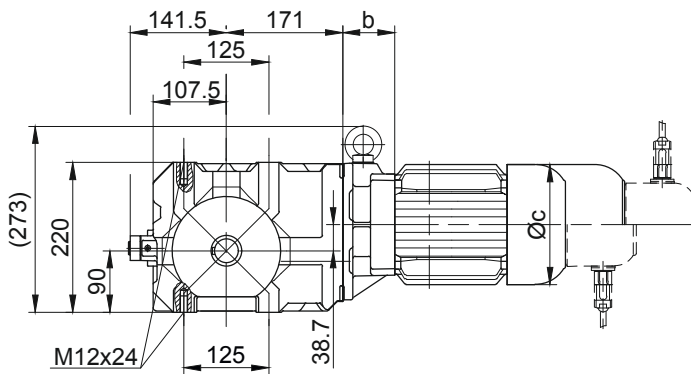
[illegible]

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under [www.BauerCat.com](http://www.BauerCat.com).

### BM30-BM30Z

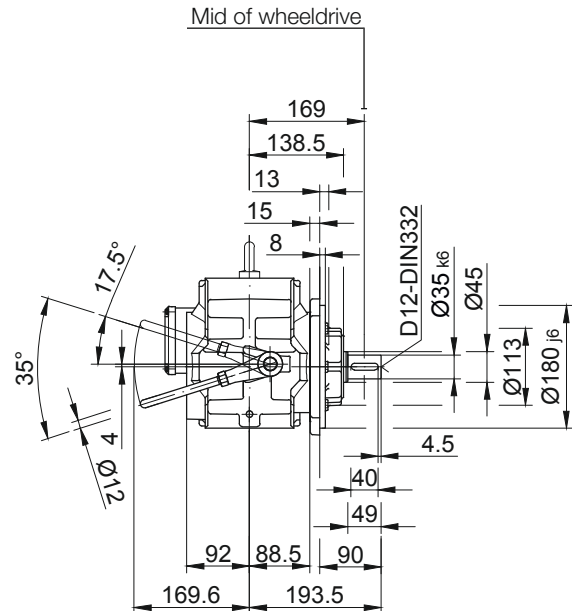
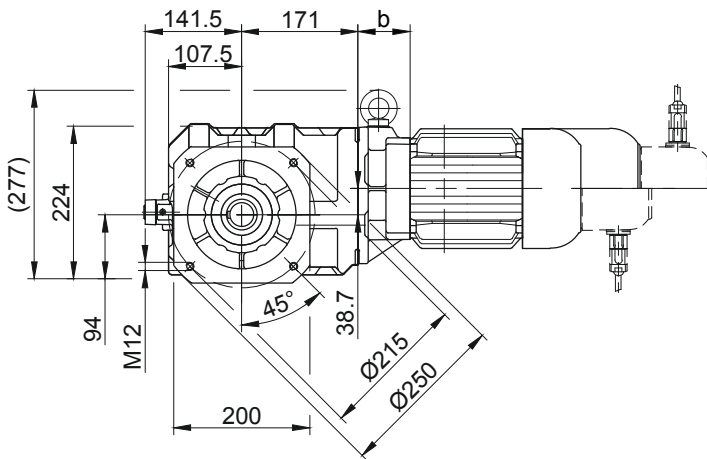
Foot with tapped holes at bottom and top

Code -6.UO/



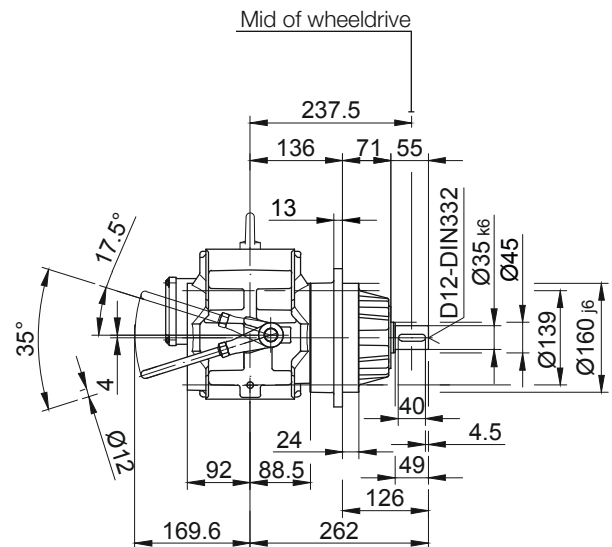
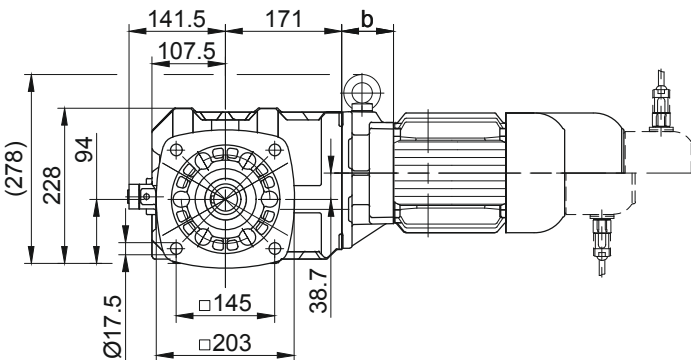
drawn flange at front

Code -07V/.../S01



far drawn flange at front

Code -07V/.../S02



| Flange Dimensions |            |     |     |     |    |      |     |     |   |    |
|-------------------|------------|-----|-----|-----|----|------|-----|-----|---|----|
| Type              | Design     | k   | l   | m   | n  | o    | p   | q   | s | t  |
| BM30..            | Code -3.V/ | 250 | 215 | 180 | 16 | 13.5 | 276 | 152 | 4 | 78 |
| BM30..            | Code -4.V/ | 300 | 265 | 230 | 20 | 13.5 | 282 | 158 | 4 | 72 |

Dimensions in millimetres (mm)

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under [www.BauerCat.com](http://www.BauerCat.com).

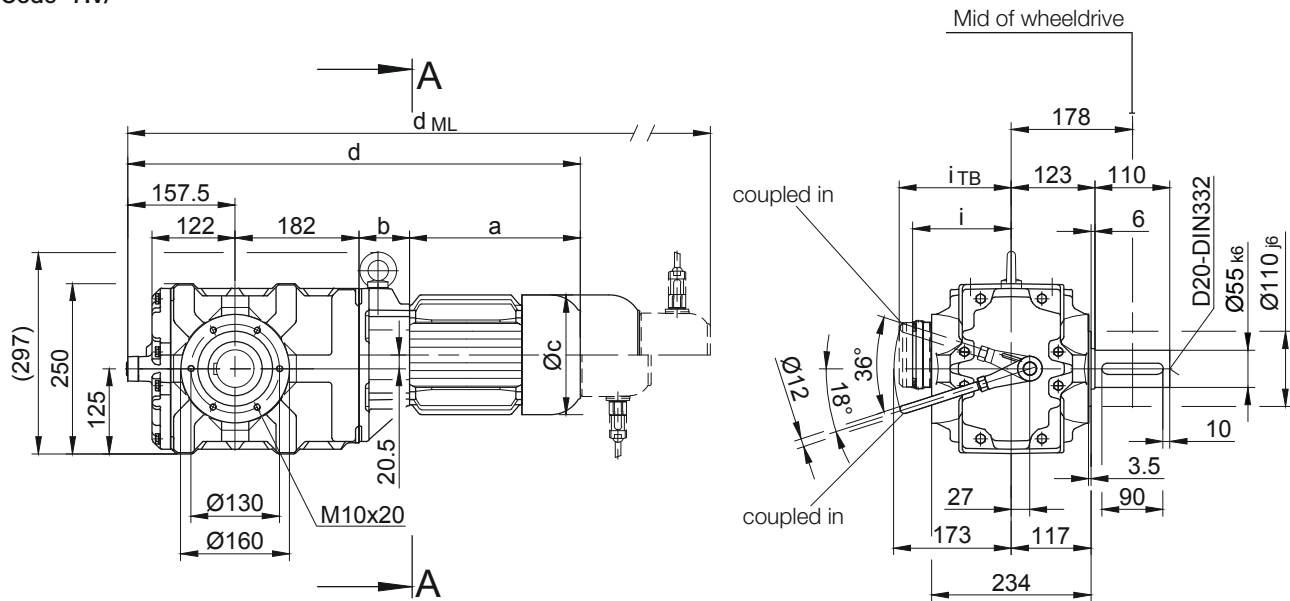
# Electric overhead conveyors series BM

## Dimension - Standard

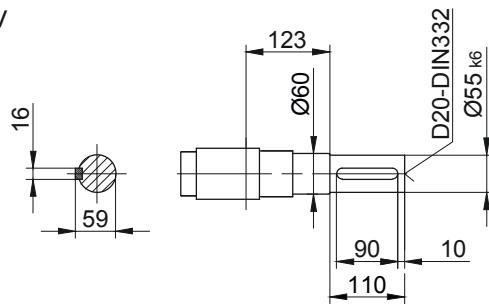
### BM40-BM40Z

Flange with threaded holes at the front

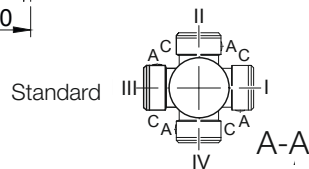
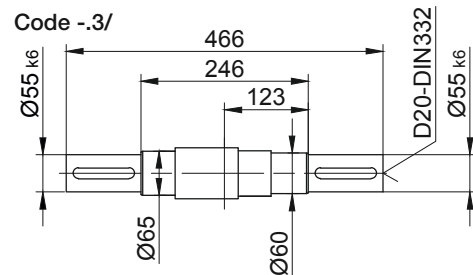
Code -7.V/



Code -1/



Code -3/



| Type              | a     | b     | c   | d     | i     | Design with motor extensions |       |         |                    |           |
|-------------------|-------|-------|-----|-------|-------|------------------------------|-------|---------|--------------------|-----------|
|                   |       |       |     |       |       | $i_{TB}$                     | Brake | Encoder | Brake with Encoder | Back Stop |
| BM40Z-../D..05.A. | 170.5 | 138.5 | 123 | 648.5 | 101   | 117                          | 690.5 | 751     | 788.5              | -         |
| BM40Z-../D..06.A. | 170.5 | 138.5 | 123 | 648.5 | 99    | 119                          | 690.5 | 751     | 788.5              | -         |
| BM40Z-../S..06.A. | 170.5 | 138.5 | 123 | 648.5 | 99    | 119                          | 690.5 | 751     | 788.5              | -         |
| BM40Z-../D..07.A. | 190.5 | 138.5 | 123 | 668.5 | 99    | 119                          | 710.5 | 771     | 808.5              | -         |
| BM40-../D..08.A.  | 199.5 | 60    | 156 | 599   | 114.5 | 136.5                        | 665   | 711     | 772.5              | -         |
| BM40Z-../D..08.A. | 199.5 | 142.5 | 156 | 681.5 | 114.5 | 136.5                        | 747.5 | 793.5   | 855                | -         |
| BM40-../S..08.A.  | 199.5 | 60    | 156 | 599   | 114.5 | 136.5                        | 665   | 711     | 772.5              | -         |
| BM40Z-../S..08.A. | 199.5 | 142.5 | 156 | 681.5 | 114.5 | 136.5                        | 747.5 | 793.5   | 855                | -         |
| BM40-../D..08.B.  | 229.5 | 60    | 156 | 629   | 114.5 | 136.5                        | 695   | 741     | 802                | -         |
| BM40Z-../D..08.B. | 229.5 | 142.5 | 156 | 711.5 | 114.5 | 136.5                        | 777.5 | 823.5   | 884.5              | -         |
| BM40-../S..08.B.  | 229.5 | 60    | 156 | 629   | 114.5 | 136.5                        | 695   | 741     | 802                | -         |
| BM40Z-../S..08.B. | 229.5 | 142.5 | 156 | 711.5 | 114.5 | 136.5                        | 777.5 | 823.5   | 884.5              | -         |
| BM40-../D..09.A.  | 250.5 | 74.5  | 176 | 664.5 | 124   | 157                          | 757.5 | 772     | 861.5              | -         |
| BM40Z-../D..09.A. | 250.5 | 157   | 176 | 747   | 124   | 157                          | 840   | 854.5   | 944                | -         |
| BM40-../S..09.A.  | 250.5 | 74.5  | 176 | 664.5 | 124   | 157                          | 757.5 | 772     | 861.5              | -         |
| BM40Z-../S..09.A. | 250.5 | 157   | 176 | 747   | 124   | 157                          | 840   | 854.5   | 944                | -         |
| BM40-../D..09.B.  | 308.5 | 74.5  | 176 | 722.5 | 124   | 157                          | 815.5 | 829.5   | 919.5              | -         |
| BM40Z-../D..09.B. | 308.5 | 157   | 176 | 805   | 124   | 157                          | 898   | 912     | 1002               | -         |
| BM40-../S..09.B.  | 308.5 | 74.5  | 176 | 722.5 | 124   | 157                          | 815.5 | 829.5   | 919.5              | -         |
| BM40Z-../S..09.B. | 308.5 | 157   | 176 | 805   | 124   | 157                          | 898   | 912     | 1002               | -         |
| BM40-../D..11.A.  | 319   | 81    | 218 | 739.5 | 165   | 176                          | 837.5 | 847     | 939.5              | -         |
| BM40-../D..11.B.  | 387   | 81    | 218 | 807.5 | 165   | 176                          | 903.5 | 915     | 1007.5             | -         |

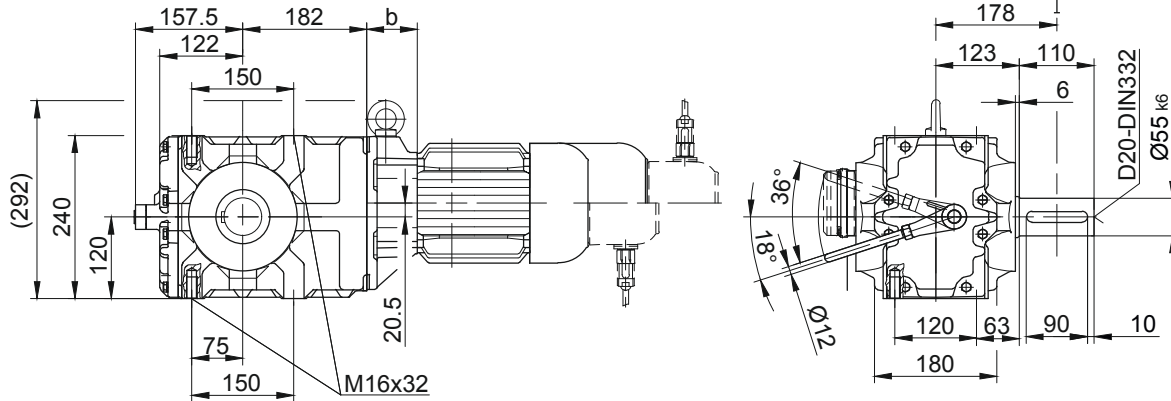
Dimensions in millimetres (mm)

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under [www.BauerCat.com](http://www.BauerCat.com).

### BM40-BM40Z

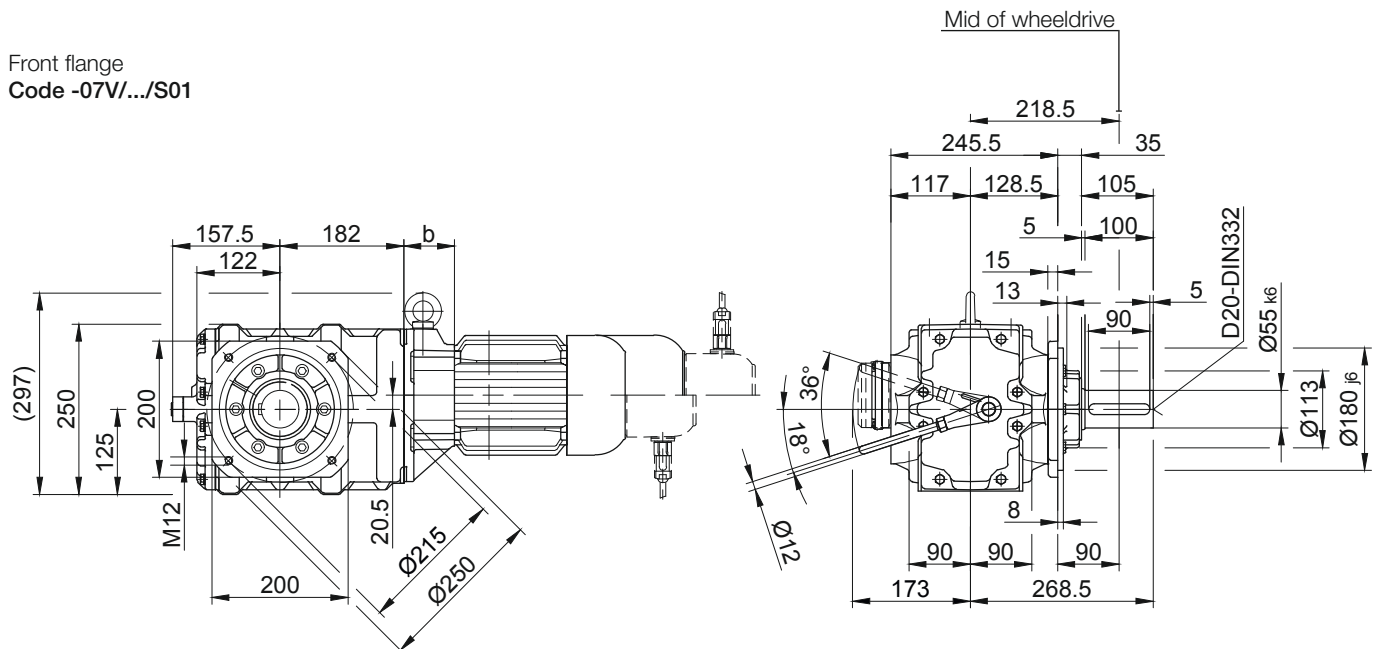
Foot with threaded holes at the bottom and top

Code -6.UO/



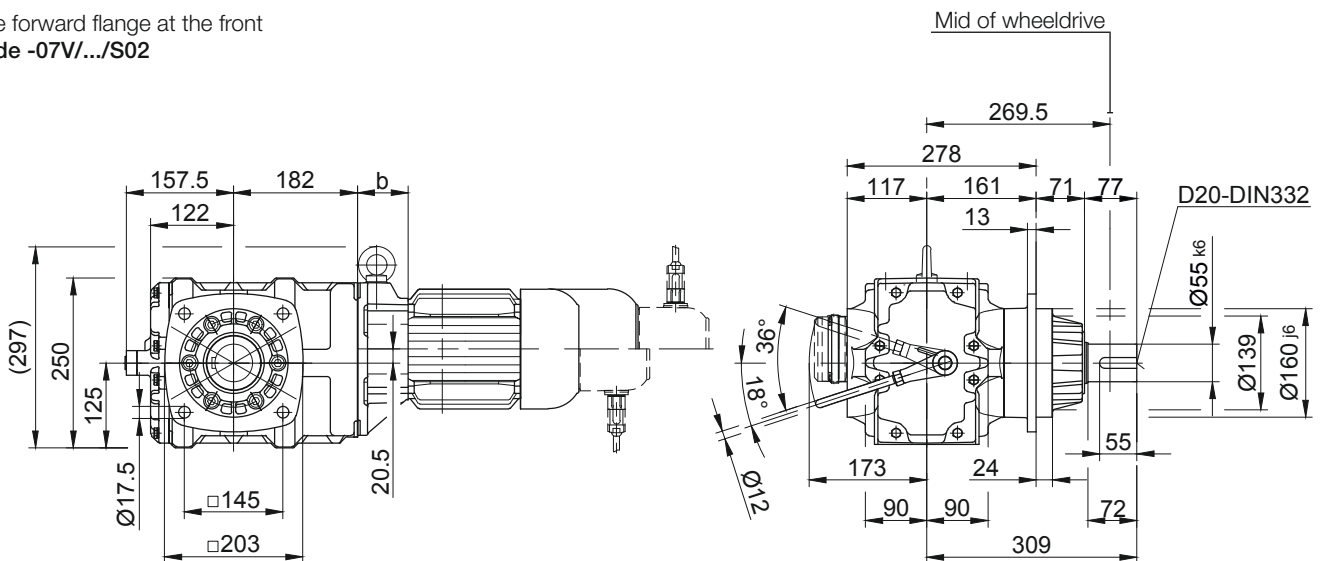
Front flange

Code -07V/.../S01



wde forward flange at the front

Code -07V/.../S02



#### Flange Dimensions

| Type   | Design     | k   | l   | m   | n  | o    | p   | q   | s | t  |
|--------|------------|-----|-----|-----|----|------|-----|-----|---|----|
| BM40.. | Code -3.V/ | 250 | 215 | 180 | 16 | 13.5 | 276 | 152 | 4 | 78 |
| BM40.. | Code -4.V/ | 300 | 265 | 230 | 20 | 13.5 | 282 | 158 | 4 | 72 |

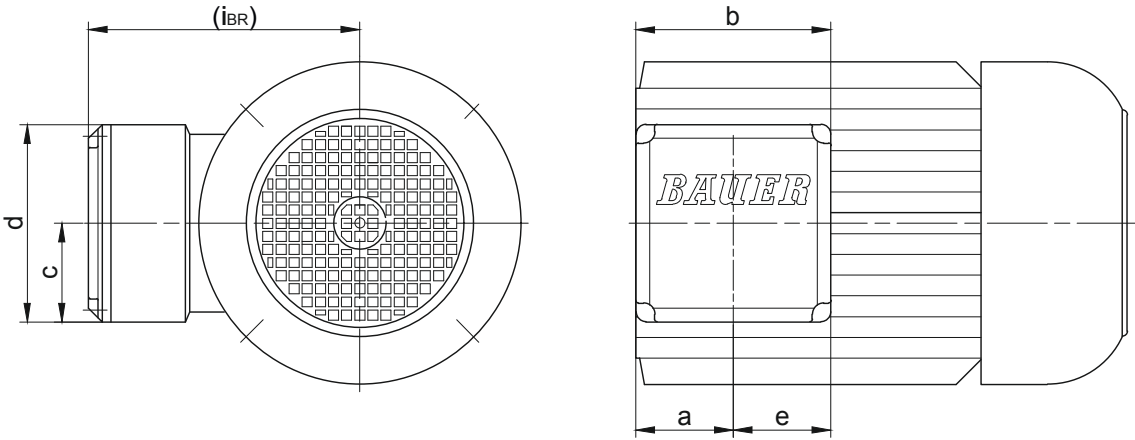
Dimensions in millimetres (mm)

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under [www.BauerCat.com](http://www.BauerCat.com).

# Electric overhead conveyors series BM

## Additional Dimension Sheet

### Standard terminal box



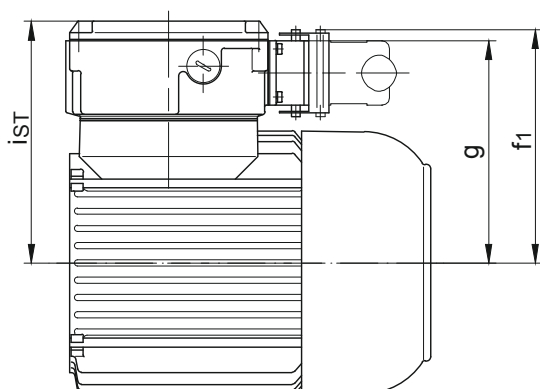
| Motor/<br>Motor with brake |         | Dimensions (mm) |     |      |     |      |       | Code | Cable entry |             | max. spanner width<br><br>for cable entry gland |
|----------------------------|---------|-----------------|-----|------|-----|------|-------|------|-------------|-------------|-------------------------------------------------|
| ASM                        | PMSM    | a               | b   | c    | d   | e    | i/iBR |      | Major (M)   | Next to (N) |                                                 |
| D..04..                    | S..04.. | 42.5            | 88  | 44   | 88  | 44   | 90    | KAG1 | M=2xM20x1.5 | -           | 24 mm                                           |
| D..05..                    | -       | 50              | 100 | 50   | 100 | 50   | 100   | KAG2 | M=2xM20x1.5 | -           | 29 mm                                           |
| D..06..                    | S..06.. | 50              | 100 | 50   | 100 | 50   | 100   | KAG2 | M=2xM20x1.5 | -           | 29 mm                                           |
| D..07..                    | -       |                 | 100 | 50   | 100 | 50   | 100   | KAG2 | M=2xM20x1.5 | -           | 29 mm                                           |
| D..08..                    | S..08.. | 50              | 100 | 50   | 100 | 50   | 115   | KAG2 | M=2xM20x1.5 | -           | 29 mm                                           |
| D..09..                    | S..09.. | 50              | 100 | 50   | 100 | 50   | 124   | KAG2 | M=2xM20x1.5 | -           | 29 mm                                           |
| D..11..                    | S..11.. | 66.5            | 133 | 66.5 | 133 | 66.5 | 165   | KAG3 | M=2xM32x1.5 | -           | -                                               |

# Electric overhead conveyors series BM

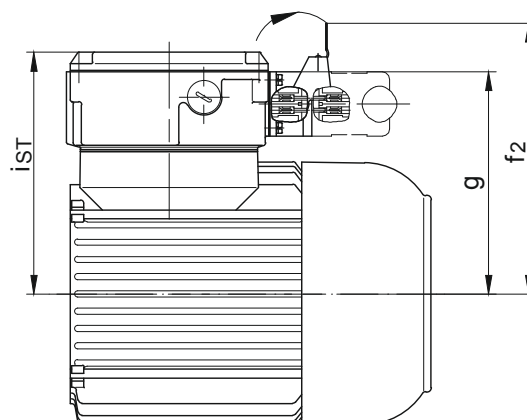
## Additional Dimension Sheet

### Plug-connector terminal box

Standard design (two brackets)



Optional for DESINA (one bracket)



10

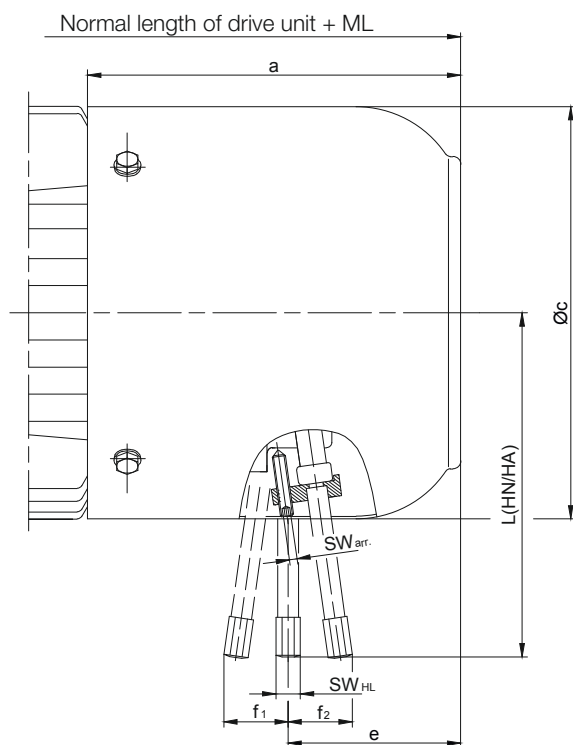
| Motor   |         | Size Terminal box | a  | b   | c    | d   | e    | $f_1$ | $f_2$ | g   | $h_1$ | $h_2$ | $i_{ST}$ | x    |
|---------|---------|-------------------|----|-----|------|-----|------|-------|-------|-----|-------|-------|----------|------|
| ASM     | PMSM    |                   |    |     |      |     |      |       |       |     |       |       |          |      |
| D..04.. | S..04.. | TBS1              | 30 | 90  | 52.5 | 106 | 49   | 118.5 | 147   | 111 | 117   | 93    | 124.5    | 46   |
| D..05.. | -       | TBS1              | 57 | 90  | 52.5 | 106 | 49   | 123.5 | 152   | 116 | 117   | 93    | 129.5    | 46   |
| D..06.. | S..06.. | TBS1              | 45 | 90  | 52.5 | 106 | 49   | 125.5 | 154   | 118 | 117   | 93    | 131.5    | 46   |
| D..07.. | -       | TBS1              | 45 | 90  | 52.5 | 106 | 49   | 125.5 | 154   | 118 | 117   | 93    | 131.5    | 46   |
| D..08.. | S..08.. | TBS1              | 45 | 90  | 52.5 | 106 | 49   | 143.5 | 172   | 136 | 117   | 93    | 149.5    | 46   |
| D..09.. | S..09.. | TBS2              | 62 | 132 | 66   | 135 | 71.5 | 158.5 | 187   | 158 | 117   | 93    | 164      | 68.5 |
| D..11.. | S..11.. | TBS2              | 62 | 132 | 66   | 135 | 71.5 | 175.5 | 191   | 166 | 117   | 93    | 181      | 68.5 |

Dimensions in millimetres (mm)

# Electric overhead conveyors series BM

## Additional Dimension Sheet

### Standard brakes



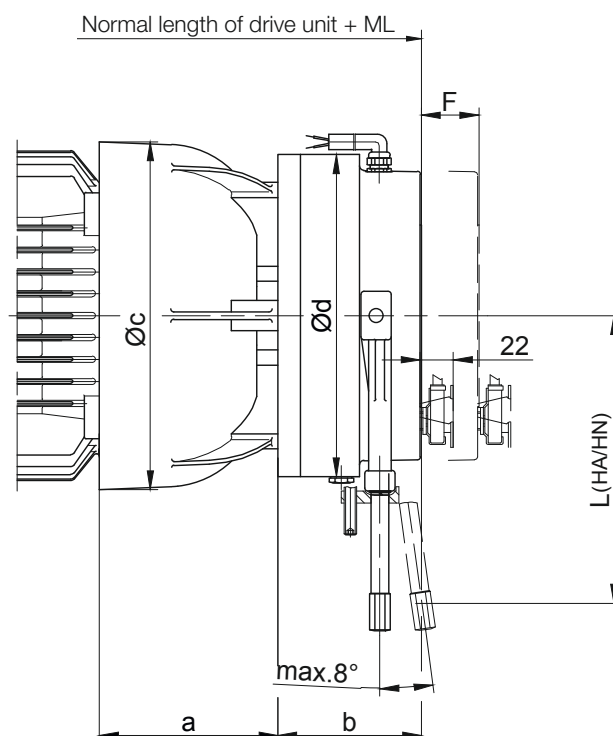
| Motor   |         | Brake     | ML (mm)                      | Dimensions (mm) |       |      |                |                |          |                  |                    | Additional weight |
|---------|---------|-----------|------------------------------|-----------------|-------|------|----------------|----------------|----------|------------------|--------------------|-------------------|
| ASM     | PMSM    |           | Additional length with brake | a               | Øc    | e    | f <sub>1</sub> | f <sub>2</sub> | L(HA/HN) | SW <sub>HL</sub> | SW <sub>arr.</sub> | kg                |
| D..04.. | S..04.. | E003      | 43.5                         | 97              | 110.5 | 58.5 | 20.5           | 24             | 96/102   | 11               | 11                 | 1.0               |
| D..05.. | -       |           | 42                           | 102             | 123   | 60   |                |                |          |                  |                    |                   |
| D..06.. | S..06.. |           |                              |                 |       | 58.5 |                |                |          |                  |                    |                   |
| D..07.. | -       | E003/E004 |                              |                 |       |      |                |                |          |                  |                    |                   |
| D..08.. | S..08.. | ES(X)010  | 66                           | 141             | 156   | 68   | -              | 29             | 132      | 8                | 2.5                | 2.6               |
| D..09.. | S..09.. | ES(X)010  | 93                           | 173             | 176   | 99   | -              | 29             | 132      | 8                | 2.5                | 2.7               |
|         |         | ES(X)027  |                              |                 |       | 91   | -              | 35.5           | 162      |                  |                    | 4.2               |
| D..11.. | S..11.. | ES(X)027  | 98                           | 195             | 218   | 103  | -              | 35.5           | 162      | 8                | 2.5                | 4.5               |
|         |         | ES(X)040  |                              |                 |       | 100  | -              | 37             | 172      |                  |                    | 6.3               |
|         |         | ES(X)070  |                              |                 |       | 96   | -              | 34.5           | 190      | 12               | 4                  | 8.5               |

HA = manual release lockable  
HN = manual release not lockable

# Electric overhead conveyors series BM

## Additional Dimension Sheet

### “Heavy-Duty“- brake



| Motor   |         | Brake    | Additional length with brake (mm) |                | Dimensions (mm) |      |     |     |           | Additional weight<br>kg |
|---------|---------|----------|-----------------------------------|----------------|-----------------|------|-----|-----|-----------|-------------------------|
| ASM     | PMSM    |          | ML Standard                       | ML Microswitch | a               | b    | c   | Ød  | L (HA/HN) |                         |
| D..08.. | S..08.. | EH(X)027 | 79                                | 101            | 83.5            | 66.5 | 166 | 145 | 162       | 5.5                     |
| D..09.. | S..09.. | EH(X)040 | 90                                | 112            | 102             | 73   | 191 | 168 | 172       | 8.3                     |
| D..11.. | S..11.. | EH(X)125 | 114                               | 136            | 120             | 95   | 231 | 213 | 208.5     | 19.5                    |

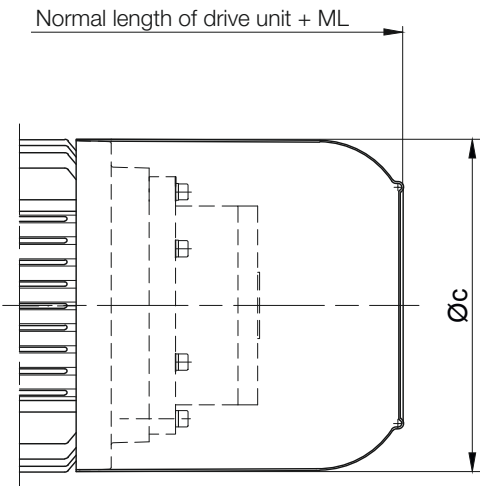
HA = manual release lockable  
HN = manual release not lockable

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# Electric overhead conveyors series BM

## Additional Dimension Sheet

Motors with back stop



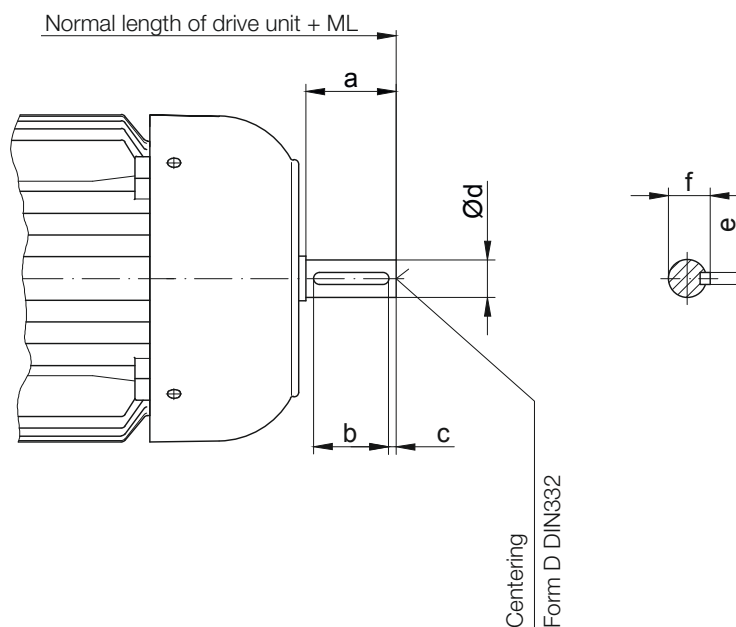
| Motor   |         | ML (mm)                         | Dimensions (mm) | Additional weight |
|---------|---------|---------------------------------|-----------------|-------------------|
| ASM     | PMSM    | Additional length with backstop | c               | kg                |
| D..08.. | S..08.. | 66                              | 156             | 6.5               |
| D..09.. | S..09.. | 93                              | 181             | 6.5               |
| D..11.. | S..11.. | 98                              | 228             | 8                 |

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under [www.BauerCat.com](http://www.BauerCat.com).

# Electric overhead conveyors series BM

## Additional Dimension Sheet

### Motors with second shaft end



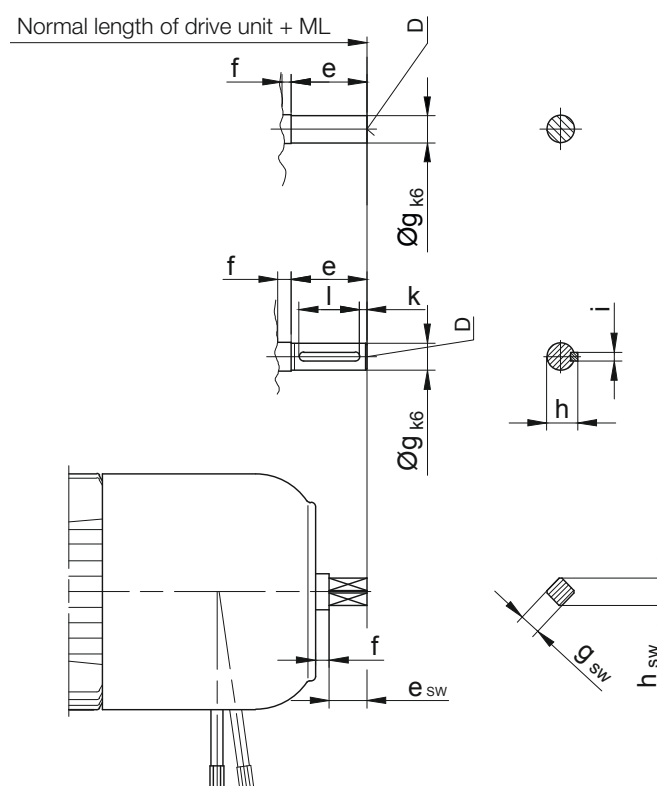
| Motor   |         | ML (mm)                                 | Dimensions (mm) |    |   |                  |   |      |   | Centering |
|---------|---------|-----------------------------------------|-----------------|----|---|------------------|---|------|---|-----------|
| ASM     | PMSM    | Additional length with second shaft end | a               | b  | c | d                | e | f    |   | DIN 332   |
| D..04.. | S..04.. | 20                                      | 15              | -  | - | 8 <sub>g6</sub>  | - | -    | - | -         |
| D..05.. | -       | 25                                      | 20              | -  | - | 10 <sub>k6</sub> | - | -    | - | -         |
| D..06.. | S..06.. | 25                                      | 20              | -  | - | 10 <sub>k6</sub> | - | -    | - | -         |
| D..07.. | -       | 25.5                                    | 20              | -  | - | 10 <sub>k6</sub> | - | -    | - | -         |
| D..08.. | S..08.. | 45                                      | 40              | 30 | 5 | 16 <sub>k6</sub> | 5 | 18   |   | D5        |
| D..09.. | S..09.. | 55                                      | 50              | 40 | 5 | 20 <sub>k6</sub> | 6 | 22.5 |   | D5        |
| D..11.. | S..11.. | 65                                      | 60              | 50 | 5 | 25 <sub>k6</sub> | 8 | 28   |   | D8        |

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# Electric overhead conveyors series BM

## Additional Dimension Sheet

### Motors with brake and second shaft end



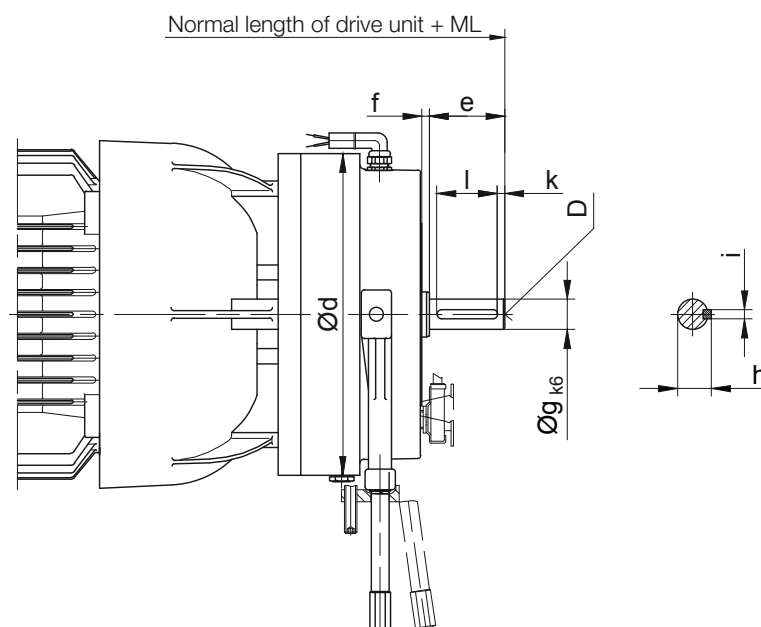
| Motor   |         | Brake     | Additional length (mm) |                  | Dimensions (mm) |                 |   |    |                 |      |                 |   |   |    | Centering | SW  |
|---------|---------|-----------|------------------------|------------------|-----------------|-----------------|---|----|-----------------|------|-----------------|---|---|----|-----------|-----|
| ASM     | PMSM    |           | ML                     | ML <sub>SW</sub> | e               | e <sub>SW</sub> | f | g  | g <sub>SW</sub> | h    | h <sub>SW</sub> | i | k | l  | DIN 332   |     |
| D..04.. | S..04.. | E003      | 63                     | -                | 15              | -               | 5 | 8  | -               | -    | -               | - | - | -  | -         | -   |
| D..05.. | -       |           |                        |                  |                 |                 |   |    |                 |      |                 |   |   |    |           |     |
| D..06.. | S..06.. |           |                        |                  | 20              |                 |   | 10 |                 |      |                 |   |   |    |           |     |
| D..07.. | -       | E003/E004 |                        |                  |                 |                 |   |    |                 |      |                 |   |   |    |           |     |
| D..08.. | S..08.. | ES(X)..   | 121                    | 96*              | 50              | 25*             | 5 | 18 | SW14*           | 20.5 | 18*             | 6 | 5 | 40 | D6        | D4* |
| D..09.. | S..09.. |           | 98                     | 123*             |                 |                 |   |    |                 |      |                 |   |   |    |           |     |
| D..11.. | S..11.. |           | 153.5*                 | 128              |                 |                 |   |    |                 |      |                 |   |   |    |           |     |

\* special design with manual release

# Electric overhead conveyors series BM

## Additional Dimension Sheet

Motors with "heavy duty" brake and second shaft end



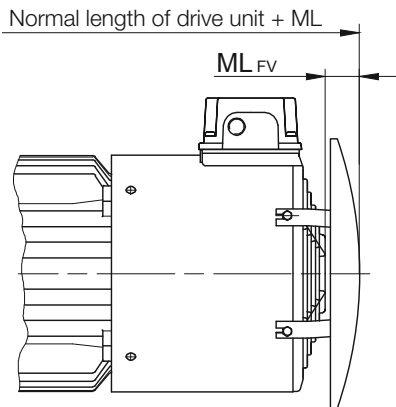
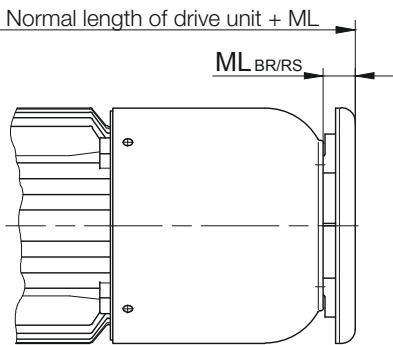
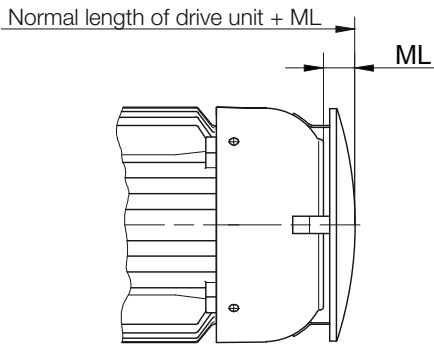
| Motor   |         | Brake    | ML (mm)                                  | Dimensions (mm) |    |   |    |      |   |   |   | Centering | Additional weight |
|---------|---------|----------|------------------------------------------|-----------------|----|---|----|------|---|---|---|-----------|-------------------|
| ASM     | PMSM    |          | Additional length with encoder and brake | Ød              | e  | f | Øg | h    | i | k | k | D 332     | kg                |
| D..08.. | S..08.. | EH(X)027 | 132                                      | 145             | 50 | 4 | 18 | 20.5 | 6 | 5 | 6 | D6        | 6                 |
| D..09.. | S..09.. | EH(X)040 | 144                                      | 168             |    | 5 |    |      |   |   |   |           | 20                |
| D..11.. | S..11.. | EH(X)125 | 169                                      | 213             |    |   | 20 | 22.5 |   |   |   |           |                   |

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# Electric overhead conveyors series BM

## Additional Dimension Sheet

### Motors with protective hood



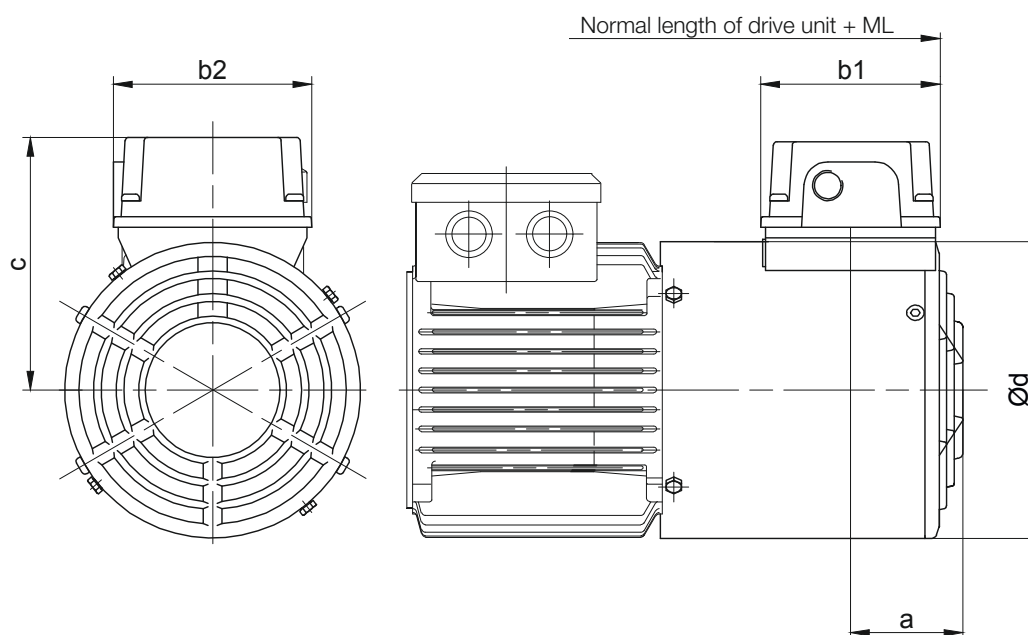
| Motor                                            |         | ML (mm) |                  |                  |                  | Additional weight |
|--------------------------------------------------|---------|---------|------------------|------------------|------------------|-------------------|
| Additional length with attached protective cover |         |         |                  |                  |                  |                   |
| ASM                                              | PMSM    | ML      | ML <sub>BR</sub> | ML <sub>RS</sub> | ML <sub>FV</sub> | kg                |
| D..04..                                          | S04..   | 16      | -                | -                | -                | 0.15              |
| D..05..                                          | -       | 18      |                  |                  |                  | 0.15              |
| D..06..                                          | S..06.. | 18      | -                | -                | -                | 0.15              |
| D..07..                                          | -       | 18      | -                | -                | -                | 0.15              |
| D..08..                                          | S..08.. | 14.5    | 24.5             | 24.5             | 40               | 0.20              |
| D..09..                                          | S..09.. | 22      | 24.5             | 24.5             | 30               | 0.30              |
| D..11..                                          | S..11.. | 29      | 29.5             | 29.5             | 33               | 0.40              |

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under [www.BauerCat.com](http://www.BauerCat.com).

# Electric overhead conveyors series BM

## Additional Dimension Sheet

### Motors with independent fan



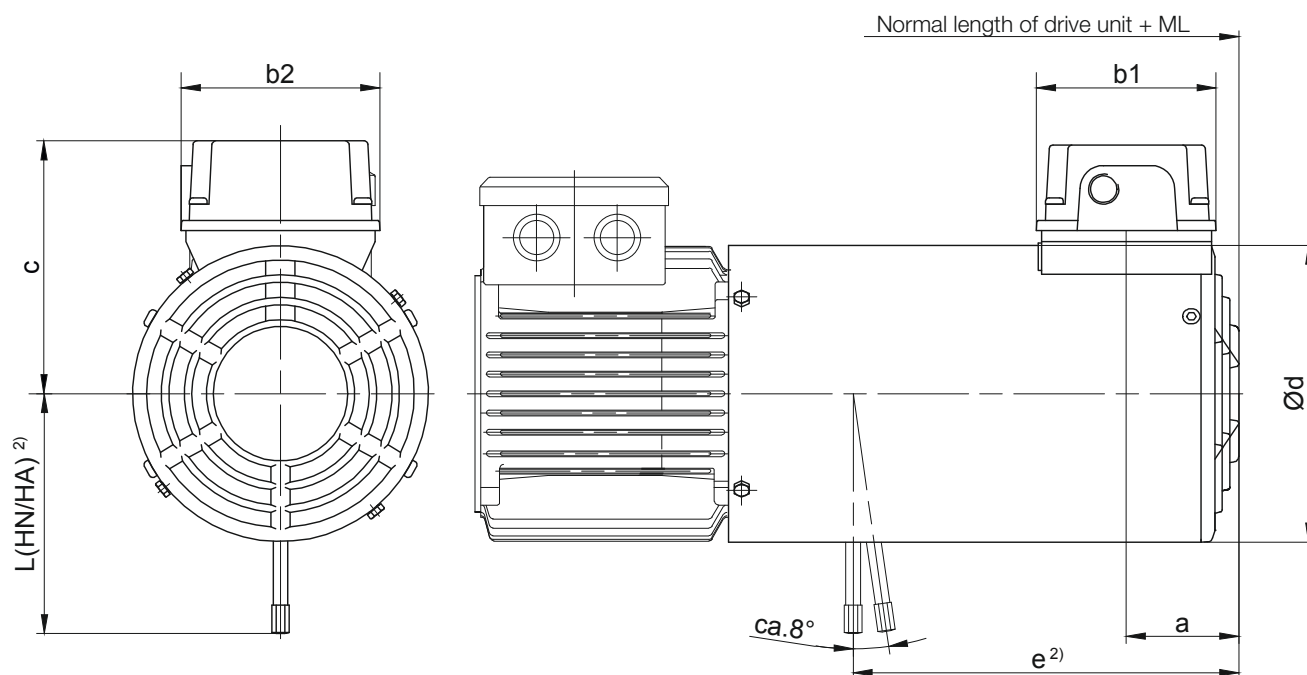
| Drive Motor |         | Fan Motor | kW    | r/min | 400 V | ML (mm)                                         | Dimensions (mm) |     |     |       |     | Additional weight |
|-------------|---------|-----------|-------|-------|-------|-------------------------------------------------|-----------------|-----|-----|-------|-----|-------------------|
| ASM         | PMSM    |           |       |       | A     | Additional length<br>with forced cooling<br>fan | a               | b1  | b2  | c     | d   | ~kg               |
| D..08..     | S..08.. | FV D08    | 0.019 | 2670  | 0.029 | 92                                              | 69.5            | 107 | 105 | 134   | 157 | 2.2               |
| D..09..     | S..09.. | FV D09    | 0.046 | 2820  | 0.106 | 97                                              | 69.5            | 107 | 105 | 143   | 177 | 2.7               |
| D..11..     | S..11.. | FV D11    | 0.051 | 2660  | 0.110 | 97                                              | 79.5            | 107 | 105 | 162.5 | 219 | 3.2               |

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# Electric overhead conveyors series BM

## Additional Dimension Sheet

Motors with brake and independent fan



| Motor   |         | Brake    | ML (mm) <sup>1)</sup>                               | Dimensions (mm) |     |     |       |     |                 |                        | Additional weight |
|---------|---------|----------|-----------------------------------------------------|-----------------|-----|-----|-------|-----|-----------------|------------------------|-------------------|
| ASM     | PMSM    |          | Additional length with brake and forced ventilation | a               | b1  | b2  | c     | Ød  | e <sup>2)</sup> | L(HA/HN) <sup>2)</sup> | ~kg               |
| D..08.. | S..08.. | ES(X)010 | 202                                                 | 59              | 107 | 105 | 134   | 157 | 204             | 132                    | 5.0               |
| D..09.. | S..09.. | ES(X)010 | 214                                                 | 69.5            | 107 | 105 | 143   | 177 | 220             | 132                    | 5.5               |
|         |         | ES(X)027 |                                                     |                 |     |     |       |     | 212             | 162                    | 7.5               |
| D..11*  | S..11*  | ES(X)027 | 221                                                 | 69.5            | 107 | 105 | 162.5 | 219 | 226             | 162                    | 8.0               |
|         |         | ES(X)040 |                                                     |                 |     |     |       |     | 223             | 172                    | 10                |
|         |         | ES(X)070 |                                                     |                 |     |     |       |     | 218             | 184                    | 12                |

\* with bayonet joint

<sup>1)</sup> The additional length is for normal motor unit without brake.

Other dimensions see the appropriate normal dimensioned sketch.

<sup>2)</sup> Brake release on request

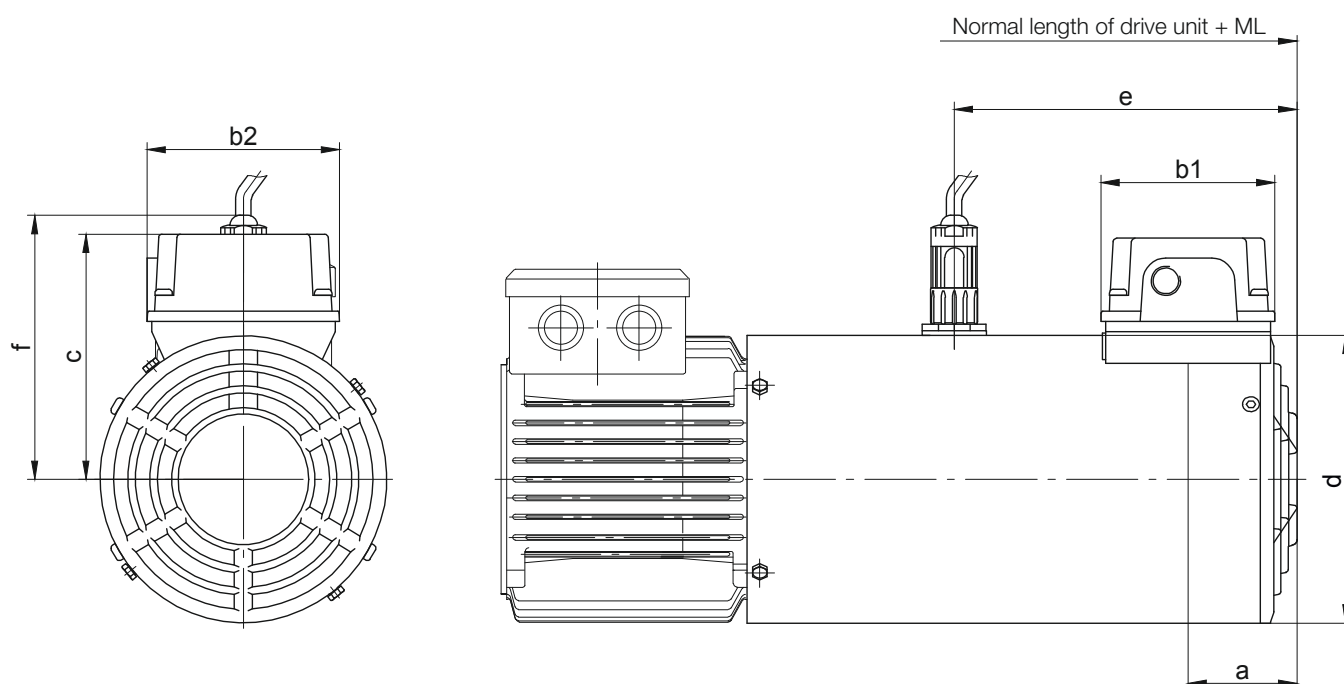
HA = manual release lockable

HN = manual release not lockable

# Electric overhead conveyors series BM

## Additional Dimension Sheet

### Motors with encoder and built-on independent fan



| Motor   |         | ML (mm) <sup>1)</sup><br>Additional length with encoder and<br>forced ventilation | Dimensions (mm) |     |     |       |     |     |       | Additional weight<br>~kg |
|---------|---------|-----------------------------------------------------------------------------------|-----------------|-----|-----|-------|-----|-----|-------|--------------------------|
| ASM     | PMSM    |                                                                                   | a               | b1  | b2  | c     | d   | e   | f     |                          |
| D..08.. | S..08.. | 202                                                                               | 59              | 107 | 105 | 134   | 157 | 187 | 144   | 2.6                      |
| D..09.. | S..09.. | 214                                                                               | 69.5            | 107 | 105 | 143   | 177 | 192 | 153.5 | 3.3                      |
| D..11*  | S..11*  | 221                                                                               | 69.5            | 107 | 105 | 162.5 | 218 | 192 | -     | 4.0                      |

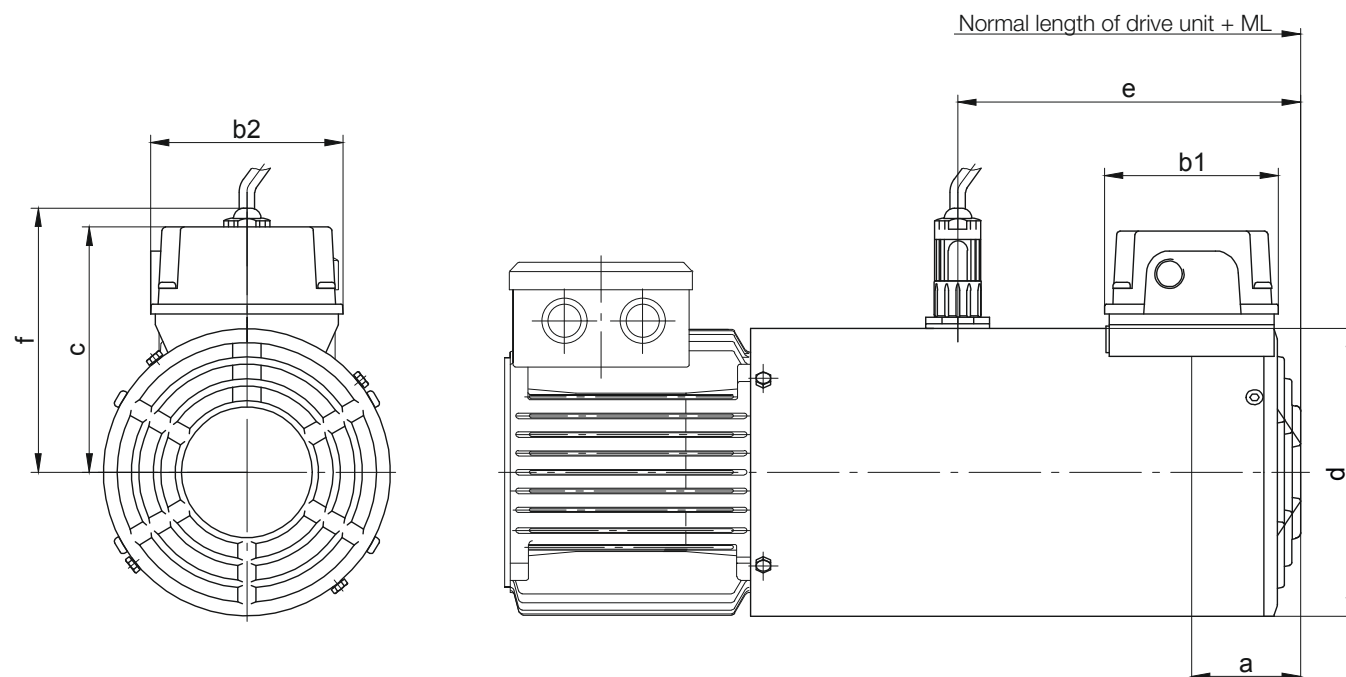
\* with bayonet joint  
<sup>1)</sup> The additional length is for normal motor unit without brake.  
 Other dimensions see the appropriate normal dimensioned sketch.

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# Electric overhead conveyors series BM

## Additional Dimension Sheet

Motors with brake and encoder with built-on independent fan



| Motor   |         | Brake    | ML (mm) <sup>1)</sup>                                        | Dimensions (mm) |     |     |       |     |                 |     |     |                        | Additional weight |
|---------|---------|----------|--------------------------------------------------------------|-----------------|-----|-----|-------|-----|-----------------|-----|-----|------------------------|-------------------|
| ASM     | PMSM    |          | Additional length with brake, encoder and forced ventilation | a               | b1  | b2  | c     | Ød  | e <sup>2)</sup> | g   | h   | L(HA/HN) <sup>2)</sup> | ~kg               |
| D..08.. | S..08.. | ES(X)010 | 202                                                          | 59              | 107 | 105 | 134   | 157 | 204             | 150 | 150 | 132                    | 6.0               |
| D..09.. | S..09.. | ES(X)010 | 214                                                          | 69.5            | 107 | 105 | 143   | 177 | 220             | 160 | 160 | 132                    | 6.5               |
|         |         | ES(X)027 |                                                              |                 |     |     |       |     | 212             | 160 |     | 162                    | 8.5               |
| D..11*  | S..11*  | ES(X)027 | 221                                                          | 69.5            | 107 | 105 | 162.5 | 219 | 226             | 155 | 175 | 162                    | 9.0               |
|         |         | ES(X)040 |                                                              |                 |     |     |       |     | 223             | 155 |     | 172                    | 11.5              |
|         |         | ES(X)070 |                                                              |                 |     |     |       |     | 218             | 155 |     | 184                    | 13.5              |

\* with bayonet joint

<sup>1)</sup> The additional length is for normal motor unit without brake.

Other dimensions see the appropriate normal dimensioned sketch.

<sup>2)</sup> Brake release on request

HA = manual release lockable

HN = manual release not lockable

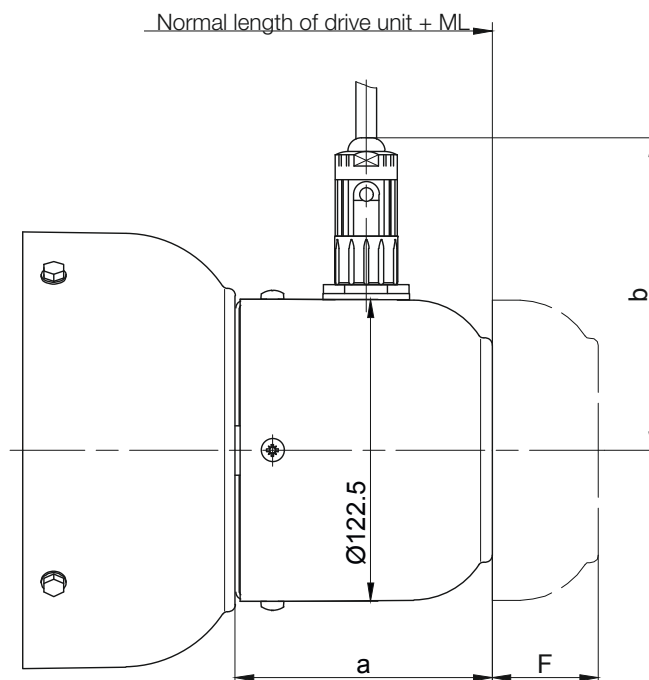
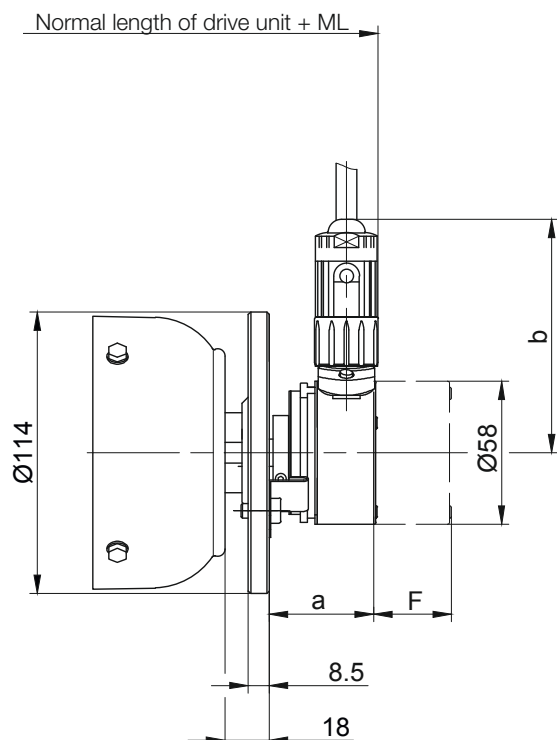
# Electric overhead conveyors series BM

## Additional Dimension Sheet

### Motors with standard encoder

D..04../S..04..

D..05../S..05.. - D ..11../S..11..



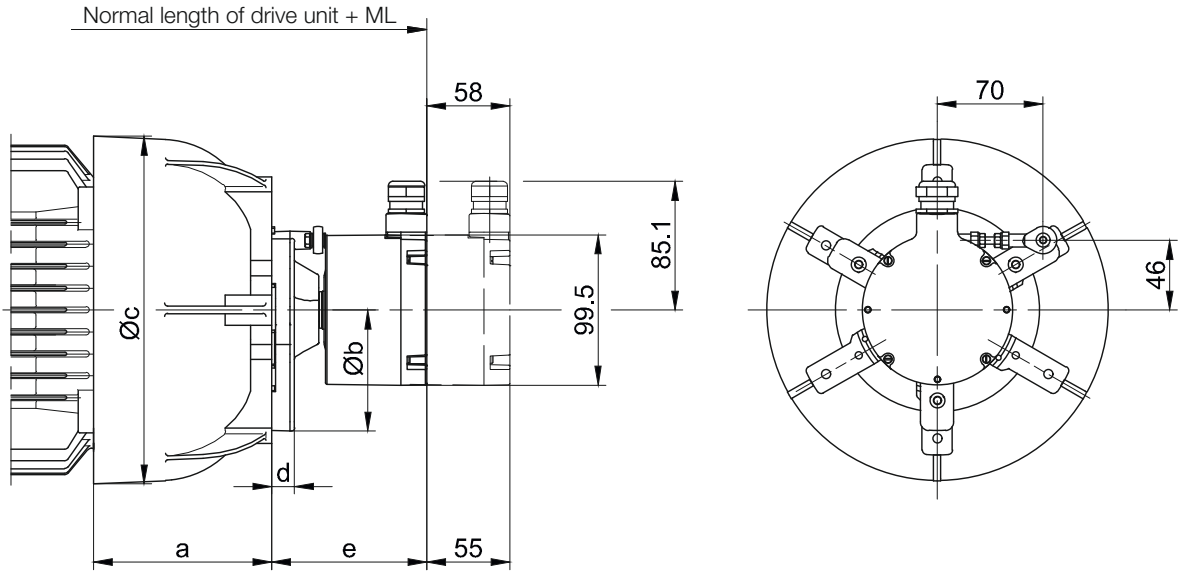
| Motor   |         | ML (mm)                        | Dimensions (mm)     |     |                  |       | Additional weight | Free space for removing encoder „F“ |                  |
|---------|---------|--------------------------------|---------------------|-----|------------------|-------|-------------------|-------------------------------------|------------------|
| ASM     | PMSM    | Additional length with encoder | Incremental encoder |     | Absolute encoder |       |                   | Incremental encoder                 | Absolute encoder |
|         |         |                                | a                   | c   | a                | b     | kg                |                                     |                  |
| D..04.. | S04..   | 62.5                           | 43.5                | 95  | 69.5             | 109.5 | 0.7               | 30                                  | 55               |
| D..05.. | -       | 103                            | 98.5                | 127 | 98.5             | 127   | 0.9               | 63                                  | 88               |
| D..06.. |         |                                |                     |     | 98.5             |       |                   |                                     |                  |
| D..07.. |         |                                |                     |     | 107.5            |       |                   |                                     |                  |
| D..08.. | S..08.. | 107                            | 107.5               |     | 107.5            |       | 104               | 0.8                                 | 41               |
| D..09.. | S..09.. |                                | 104                 | 104 | 43               | 68    |                   |                                     |                  |
| D..11.. | S..11.. |                                |                     |     |                  |       |                   |                                     |                  |

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# Electric overhead conveyors series BM

## Additional Dimension Sheet

Motors with “heavy duty“ encoder



| Motor   |         | ML (mm)<br>Additional length<br>with encoder | Dimensions (mm) |     |     |    |       | Additional weight<br>kg |
|---------|---------|----------------------------------------------|-----------------|-----|-----|----|-------|-------------------------|
| ASM     | PMSM    |                                              | a               | b   | c   | d  | e     |                         |
| D..08.. | S..08.. | 114                                          | 83.5            | 160 | 166 | 15 | 102.5 | 2                       |
| D..09.. | S..09.. | 118.5                                        | 102             |     | 191 |    |       |                         |
| D..11.. | S..11.. | 121.5                                        | 120             |     | 231 |    |       | 5.4                     |

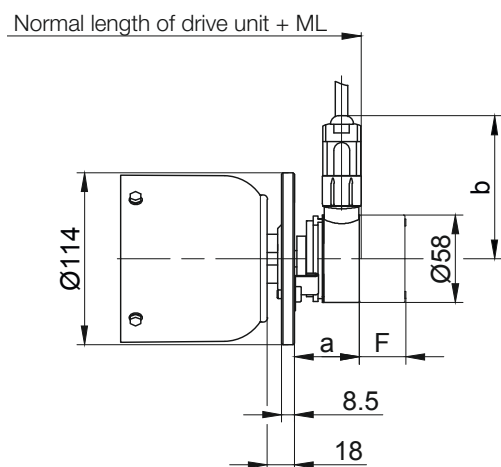
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under [www.BauerCat.com](http://www.BauerCat.com).

# Electric overhead conveyors series BM

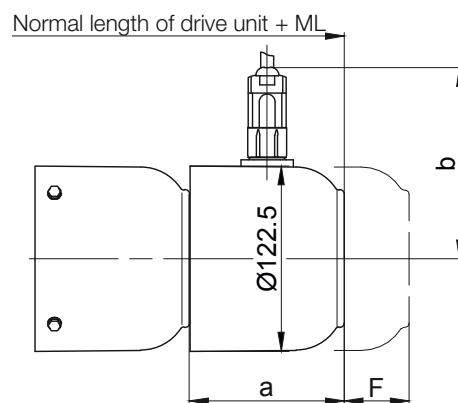
## Additional Dimension Sheet

### Motors with brake and encoder

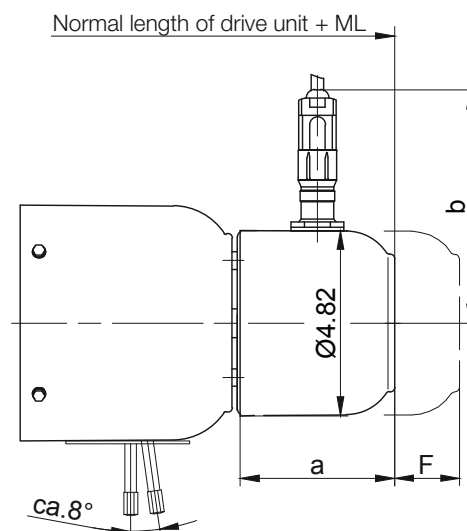
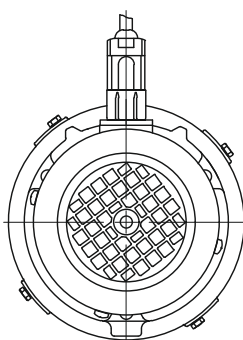
#### D..04..



#### D..05../S..05.. - D..07../S..07..



#### D..08../S..08.. - D..11../S..11..

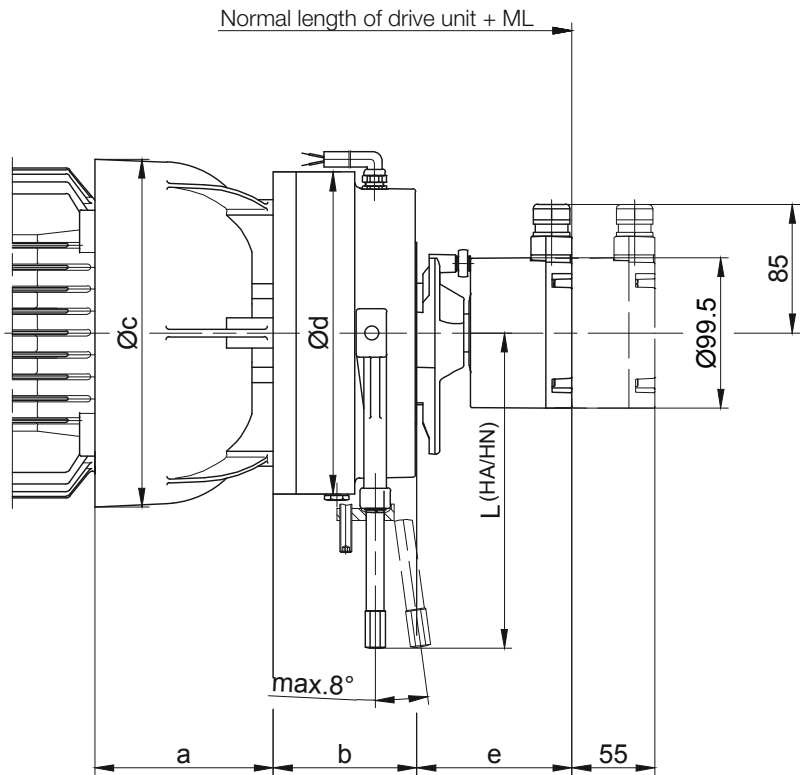


| Motor   |         | Brake            | ML (mm)<br><br>Additional length<br>with brake and<br>encoder | Dimensions (mm)        |     |                     |       | Additional<br>weight<br><br>kg | Free space for removing<br>encoder „F“ |                  |
|---------|---------|------------------|---------------------------------------------------------------|------------------------|-----|---------------------|-------|--------------------------------|----------------------------------------|------------------|
| ASM     | PMSM    |                  |                                                               | Incremental<br>encoder |     | Absolute<br>encoder |       |                                | Incremental<br>encoder                 | Absolute encoder |
|         |         | a                | c                                                             | a                      | b   |                     |       |                                |                                        |                  |
| D..04.. | S..04.. | E003             | 105.5                                                         | 43.5                   | 95  | 69.5                | 109.5 | 0.7                            | 30                                     | 55               |
| D..05.. | -       |                  | 145                                                           | 102                    | 127 | 102                 | 127   | 0.9                            | 63                                     | 88               |
| D..06.. | S..06.. |                  |                                                               |                        |     |                     |       |                                |                                        |                  |
| D..07.. | -       | E003/E004        | 0.8                                                           |                        |     |                     |       | 49                             | 74                                     |                  |
| D..08.. | S..08.. | ES(X)..<br>173.5 |                                                               |                        |     |                     |       |                                |                                        |                  |
| D..09.. | S..09.. | ES(X)..<br>197   |                                                               |                        |     |                     |       |                                |                                        |                  |
| D..11.. | S..11.. | ES(X)..<br>200   |                                                               |                        |     |                     |       |                                |                                        |                  |

# Electric overhead conveyors series BM

## Additional Dimension Sheet

Motors with “heavy duty” brake and encoder

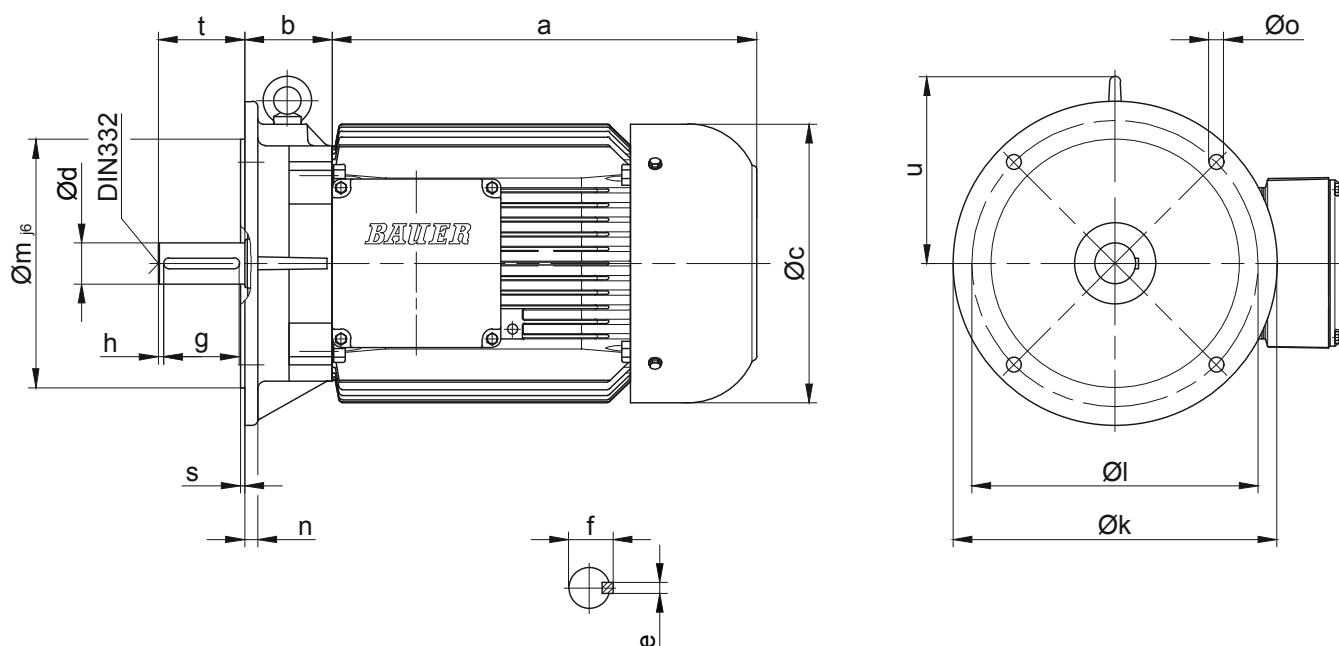


| Motor                            |         | Brake    | ML (mm) | Dimensions (mm)                             |      |     |     |       |       | Additional weight |
|----------------------------------|---------|----------|---------|---------------------------------------------|------|-----|-----|-------|-------|-------------------|
| ASM                              | PMSM    |          |         | Additional length with<br>brake and encoder | a    | b   | c   | Ød    | e     |                   |
| D..08..                          | S..08.. | EH(X)027 | 180.5   | 83.5                                        | 66.5 | 166 | 145 | 102.5 | 162   | 7.1               |
| D..09..                          | S..09.. | EH(X)040 | 191.5   | 102                                         | 73   | 191 | 168 |       | 172   | 10                |
| D..11..                          | S..11.. | EH(X)125 | 216.5   | 120                                         | 95   | 231 | 213 |       | 208.5 | 21.4              |
| HA = manual release lockable     |         |          |         |                                             |      |     |     |       |       |                   |
| HN = manual release not lockable |         |          |         |                                             |      |     |     |       |       |                   |

# Electric overhead conveyors series BM

## Additional Dimension Sheet

Motors in IEC design



| Motor   |         | Dimensions (mm) |    |     |                  |   |      |    |     |     |     |     |    |      |      |    |       |         | Centering |
|---------|---------|-----------------|----|-----|------------------|---|------|----|-----|-----|-----|-----|----|------|------|----|-------|---------|-----------|
| ASM     | PMSM    | a               | b  | c   | d                | e | f    | g  | h   | k   | l   | m   | n  | o    | s    | t  | u     | DIN 332 |           |
| D..06.. | S..06.. | 170             | 45 | 123 | 11 <sub>j6</sub> | 4 | 12.5 | 18 | 2.5 | 140 | 115 | 95  | 9  | 10   | 2.75 | 23 | -     | D4      |           |
| D..07.. | -       | 190             | 45 | 123 | 11 <sub>j6</sub> | 4 | 12.5 | 18 | 2.5 | 140 | 115 | 95  | 9  | 10   | 2.75 | 23 | -     | D4      |           |
| D..08.. | S..08.. | 200             | 49 | 156 | 19 <sub>j6</sub> | 6 | 21.5 | 35 | 2.5 | 200 | 165 | 130 | 10 | 12   | 3.5  | 40 | -     | D4      |           |
| D..09.. | S..09.. | 251             | 66 | 176 | 24 <sub>j6</sub> | 8 | 27   | 40 | 5   | 200 | 165 | 130 | 10 | 12   | 3.5  | 50 | 128.5 | D6      |           |
| D..11.. | S..11.. | 319             | 75 | 218 | 28 <sub>j6</sub> | 8 | 31   | 50 | 5   | 250 | 215 | 180 | 11 | 14.5 | 4    | 60 | 145.5 | D10     |           |

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The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under [www.BauerCat.com](http://www.BauerCat.com).

