

## 제품 특징

- 중공축 장착 (Hollow Shaft Mounting)
- 출력 플랜지 장착 (Mounting Flange)
- 상하좌우 만능 장착 (Universal Mounting)
- 고효율 장수명화 (Maintenance Free)

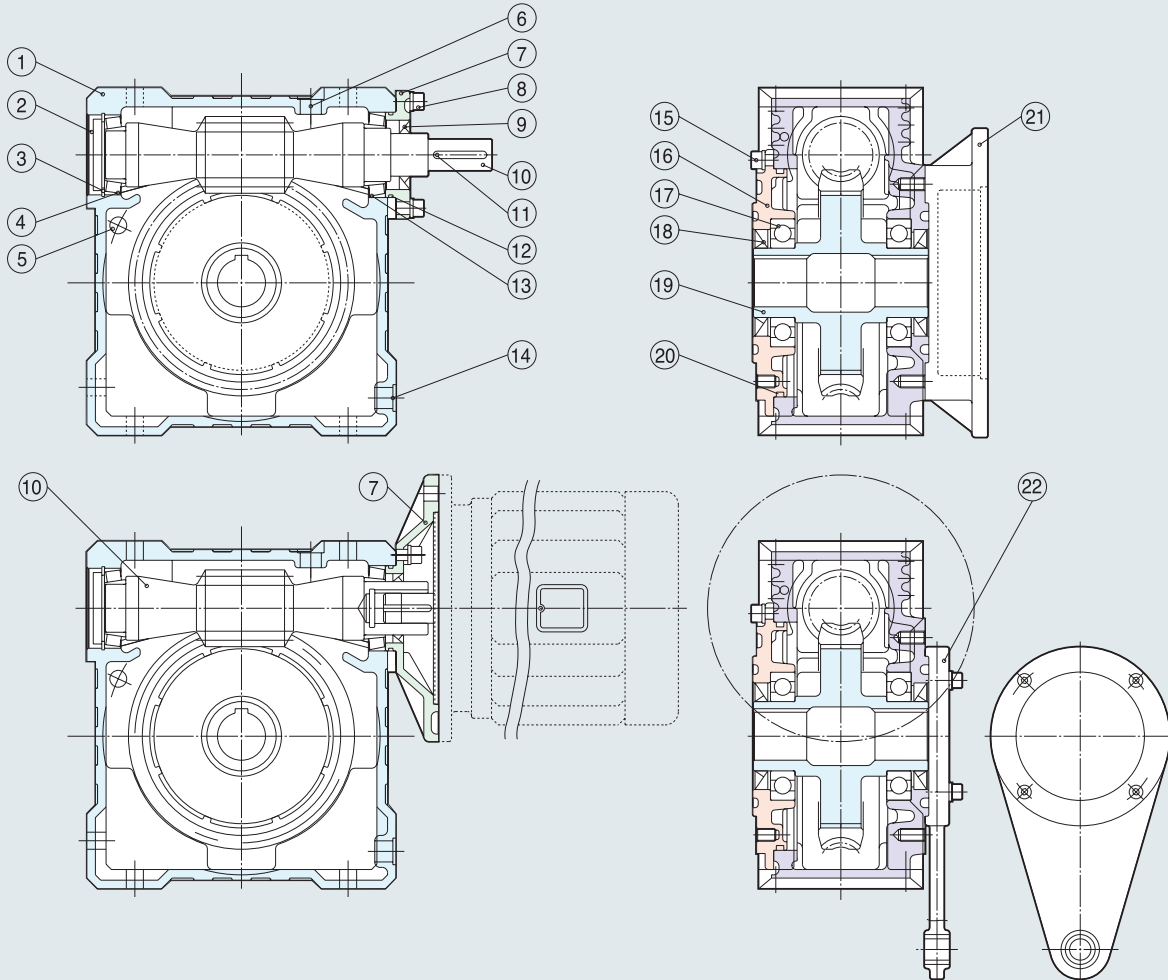
중공축 worm 감속기 MTW 시리즈는 비교적 중소형 worm 감속기입니다. 출력축을 중공축으로 하였으며, 장착 설치면을 전, 후, 좌, 우, 상, 하, 자유로이 선택하여 사용할 수 있으므로, 구매 후 설치 우려가 없습니다. 작은것은 알루미늄 다이캐스팅을 사용하여 가벼우면서도 강하여, 자동화 설비에 적합합니다.

- 형번 크기 : 25 ~ 155
- 전달 동력 : 6W ~ 7.5KW (1/8마력~10마력)
- 감속 비율 : 1/10 ~ 1/60
- MTW100~MTW155 형번의 하우징 재질은 IRON입니다

MTW is a series of Hollow Shaft Worm Reducer with/without motor for medium and smaller size. Output shaft is designed hollow shaft as a pipeline for you to mount easily. Also mounting surface is universal so that you can install the reducer on your base with bottom, top, sides, torque arm or any other way you intent. Aluminum case with light mass will satisfy you in automations or material handling system.

- Model size : #25 ~ #155
- Power : 6W ~ 7.5KW (1/8Hp ~ 10Hp)
- Gear Ratio : 1/10 ~ 1/60 for Standard

## 조립도



## 각부명칭

- |                         |                          |
|-------------------------|--------------------------|
| 1. CASE                 | 12. O-RING               |
| 2. OIL CAP              | 13. BEARING              |
| 3. SNAP RING            | 14. DRAIN PLUG           |
| 4. BEARING              | 15. WRENCH BOLT          |
| 5. OIL GAUGE            | 16. OUTPUT COVER         |
| 6. DRAIN PLUG           | 17. BEARING              |
| 7. INPUT COVER / FLANGE | 18. OIL SEAL             |
| 8. WRENCH BOLT          | 19. WORM WHEEL SUB ASS'Y |
| 9. OIL SEAL             | 20. O-RING               |
| 10. INPUT SHAFT         | 21. MOUNTING FLANGE      |
| 11. KEY                 | 22. TORQUE ARM           |

**MT**

**M100**

**10**

**R000**

**M125**

**3HP**

**0**

**형 번**

|      |             |
|------|-------------|
| W30  | 30형         |
| W40  | 40형         |
| W50  | 50형         |
| W63  | 63형         |
| W75  | 75형         |
| W100 | 100형        |
| W120 | 120형        |
| W135 | 135형        |
| W155 | 155형        |
| M25  | 25형, 모터부착형  |
| M30  | 30형, 모터부착형  |
| M40  | 40형, 모터부착형  |
| M50  | 50형, 모터부착형  |
| M63  | 63형, 모터부착형  |
| M75  | 75형, 모터부착형  |
| M100 | 100형, 모터부착형 |
| M120 | 120형, 모터부착형 |
| M135 | 135형, 모터부착형 |
| M155 | 155형, 모터부착형 |

**비 율**

|    |      |
|----|------|
| 10 | 1:10 |
| 15 | 1:15 |
| 20 | 1:20 |
| 25 | 1:25 |
| 30 | 1:30 |
| 40 | 1:40 |
| 50 | 1:50 |
| 60 | 1:60 |

**감속기 옵션**

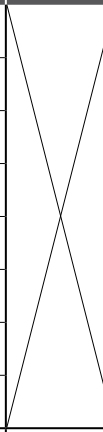
**모터 옵션**

**모터 제조사**

**동 력**

|       |               |
|-------|---------------|
| 40W   | 40W           |
| 60W   | 60W           |
| 90W   | 90W           |
| 120W  | 120W          |
| 150W  | 150W          |
| 180W  | 180W          |
| 1/4HP | 1/4HP = 0.2kW |
| 1/2HP | 1/2HP = 0.4kW |
| 1HP   | 1HP = 0.75kW  |
| 2HP   | 2HP = 1.5kW   |
| 3HP   | 3HP = 2.2kW   |
| 5HP   | 5HP = 3.7kW   |
| 7.5HP | 7.5HP = 5.5kW |
| 10HP  | 10HP = 7.5kW  |

MTW Duty Table

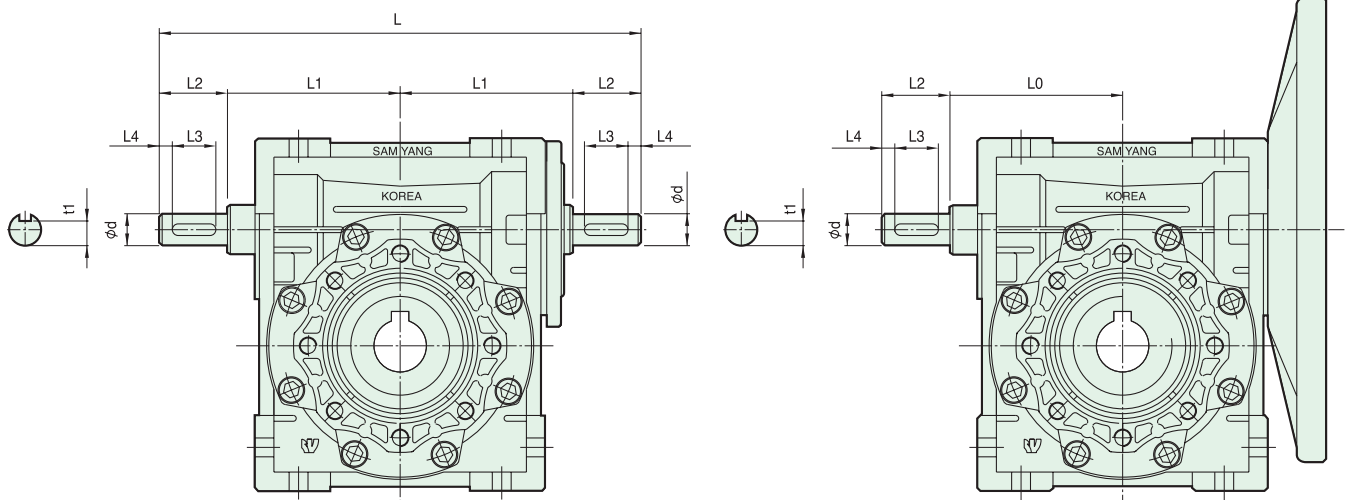
| 모델명  | 기어비 | 형번별 동력 (kW)                                                                         |       |       |       |       |       |       |       |        |        |     |     |
|------|-----|-------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-----|-----|
|      |     | 25                                                                                  | 30    | 40    | 50    | 63    | 75    | 100   | 120   | 135    | 155    |     |     |
| MTW  | 10  |    | 0.357 | 0.770 | 1.393 | 2.479 | 3.670 | 4.815 | 7.613 | 10.868 | 18.143 |     |     |
|      | 15  |                                                                                     | 0.253 | 0.549 | 1.003 | 1.847 | 2.606 | 3.488 | 5.513 | 8.055  | 12.630 |     |     |
|      | 20  |                                                                                     | 0.194 | 0.413 | 0.757 | 1.371 | 2.131 | 2.775 | 3.945 | 6.233  | 8.220  |     |     |
|      | 25  |                                                                                     | 0.198 | 0.334 | 0.600 | 1.007 | 1.656 | 문의 바람 |       |        |        |     |     |
|      | 30  |                                                                                     | 0.167 | 0.347 | 0.641 | 1.214 | 1.657 | 2.318 | 3.675 | 5.340  | 7.335  |     |     |
|      | 40  |                                                                                     | 0.124 | 0.256 | 0.469 | 0.846 | 1.249 | 1.748 | 2.580 | 3.855  | 5.138  |     |     |
|      | 50  |                                                                                     | 0.099 | 0.203 | 0.371 | 0.666 | 0.979 | 1.320 | 2.168 | 2.910  | 3.930  |     |     |
|      | 60  |                                                                                     | 0.086 | 0.167 | 0.306 | 0.559 | 0.821 | 1.080 | 1.740 | 2.288  | 3.225  |     |     |
| MTWM | 10  | 0.04                                                                                | 0.2   | 0.4   | 0.75  | 1.5   | 2.2   | 2.2   | 3.7   | 5.5    | 7.5    |     |     |
|      | 15  |                                                                                     |       |       |       | 0.75  | 1.5   |       |       |        |        |     |     |
|      | 20  |                                                                                     |       |       |       |       |       |       |       |        |        |     |     |
|      | 25  |  | 0.18  | 0.2   | 0.4   | 0.75  | 1.5   | 2.2   | 3.7   | 5.5    |        |     |     |
|      | 30  |                                                                                     |       |       |       |       |       |       |       |        |        |     |     |
|      | 40  |                                                                                     |       |       | 0.04  | 0.15  | 0.2   | 0.4   | 0.75  | 1.5    | 2.2    | 3.7 | 5.5 |
|      | 50  |                                                                                     |       |       |       |       |       |       |       |        |        |     |     |
|      | 60  |                                                                                     |       |       |       |       |       |       |       |        |        |     |     |

주1. 입력 회전수 : 1800 rpm 기준

주2. S.F = 1.0 기준 ( 10이상을 필요한 경우 연구소에 문의 바랍니다.)

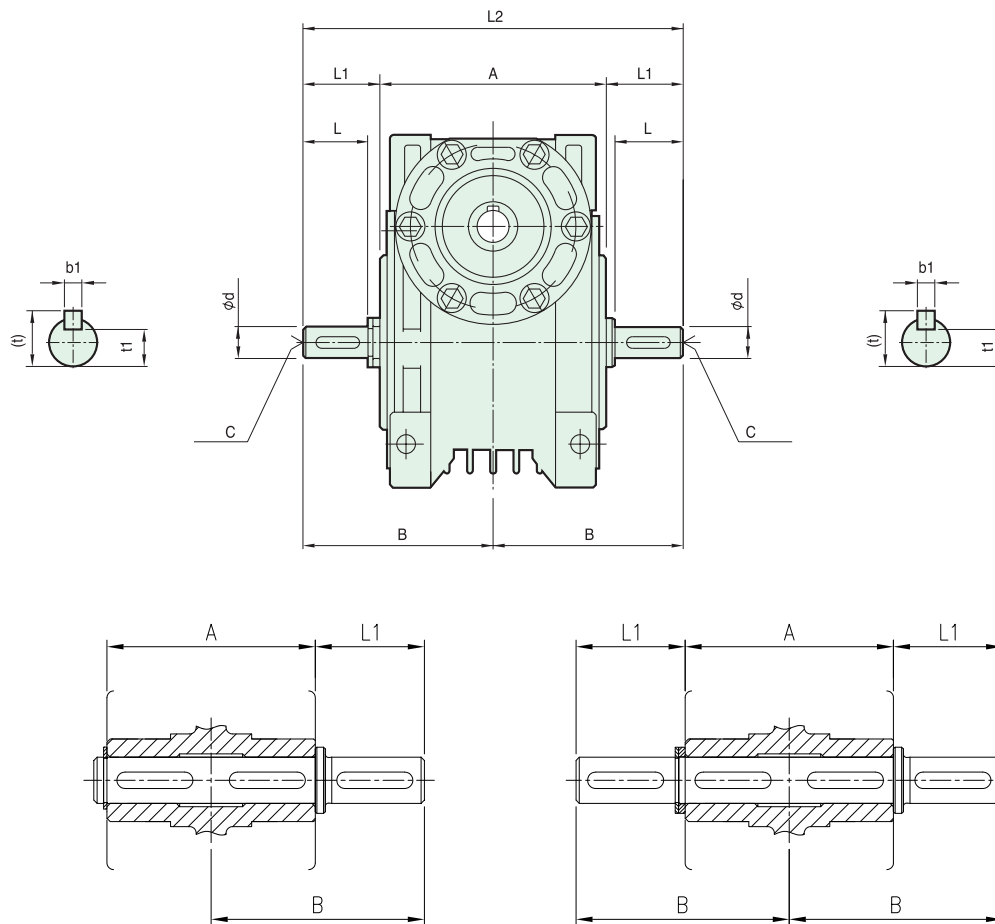
# SAMYANG MIGHTY WORM

## 입력 양축 (Option)



| 형번   | L   | L0  | L1  | L2 | L3 | L4  | t1   | φ d  | KEY         |
|------|-----|-----|-----|----|----|-----|------|------|-------------|
| 30형  | 142 | 45  | 51  | 20 | 15 | 2   | 7,2  | φ 9  | 3×3×15L-2R  |
| 40형  | 166 | 53  | 60  | 23 | 15 | 4   | 8,5  | φ 11 | 4×4×15L-2R  |
| 50형  | 208 | 64  | 74  | 30 | 20 | 5   | 11   | φ 14 | 5×5×20L-2R  |
| 63형  | 260 | 75  | 90  | 40 | 30 | 5   | 15,5 | φ 19 | 6×6×30L-2R  |
| 75형  | 310 | 90  | 105 | 50 | 40 | 7,5 | 20   | φ 24 | 8×7×35L-2R  |
| 100형 | 380 | 122 | 140 | 50 | 40 | 5   | 21   | φ 25 | 8×7×40L-2R  |
| 120형 | 470 | 150 | 175 | 60 | 50 | 5   | 26   | φ 30 | 8×7×50L-2R  |
| 135형 | 524 | 157 | 187 | 75 | 65 | 5   | 30,5 | φ 35 | 10×8×65L-2R |
| 155형 | 592 | 181 | 211 | 85 | 75 | 5   | 35   | φ 40 | 12×8×75L-2R |

## 출력 중실축 (Option)



출력축 (한 방향)

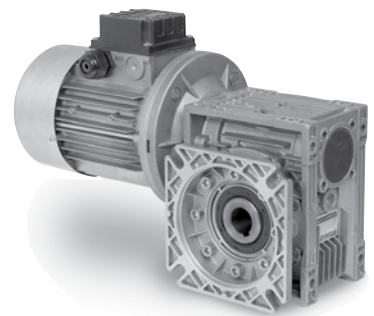
출력축 (양 방향)

| 형번   | φ d    | A   | B      | C   | L   | L1    | L2    | b1 | (t)  | t1   |
|------|--------|-----|--------|-----|-----|-------|-------|----|------|------|
| 25형  | φ 11g6 | 50  | 51     | -   | 23  | 26    | 102   | 4  | 12,5 | 8,5  |
| 30형  | φ 14g6 | 63  | 64,5   | M6  | 30  | 33    | 129   | 5  | 16   | 11   |
| 40형  | φ 18h6 | 78  | 82     | M6  | 40  | 43    | 164   | 6  | 20,5 | 14,5 |
| 50형  | φ 25h6 | 92  | 100    | M10 | 50  | 54    | 200   | 8  | 28   | 21   |
| 63형  | φ 25h6 | 112 | 110    | M10 | 50  | 54    | 220   | 8  | 28   | 21   |
| 75형  | φ 28h6 | 120 | 124    | M10 | 60  | 64    | 248   | 8  | 31   | 24   |
| 100형 | φ 40h6 | 147 | 158,25 | M12 | 80  | 84,75 | 316,5 | 12 | 43   | 35   |
| 120형 | φ 45h6 | 165 | 177,25 | M16 | 90  | 94,75 | 354,5 | 14 | 48,5 | 39,5 |
| 135형 | φ 48h6 | 177 | 188,25 | M16 | 95  | 99,75 | 376,5 | 14 | 51,5 | 42,5 |
| 155형 | φ 52h6 | 208 | 209    | M16 | 100 | 105   | 418   | 16 | 56   | 46   |

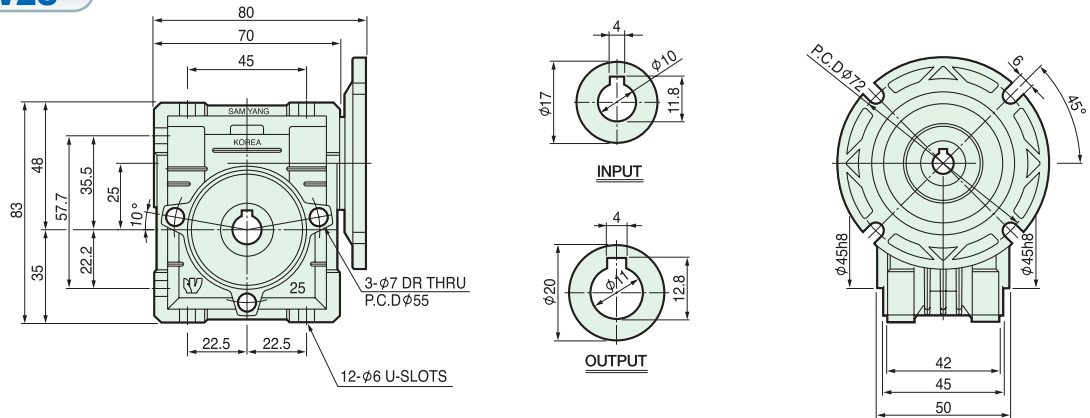
## SELECTION GUIDE

| 형번 | 감속비 | 동력                    |                  |         |
|----|-----|-----------------------|------------------|---------|
|    |     | 모터동력                  | 모터축경             | IEC 프레임 |
| 25 | 10  | 0.04KW                | Ø10 (sym)        |         |
|    | 15  |                       |                  |         |
|    | 20  |                       |                  |         |
|    | 30  |                       |                  |         |
|    | 40  |                       |                  |         |
|    | 50  |                       |                  |         |
| 30 | 10  | 0.2KW                 | Ø12 (sym)        |         |
|    | 15  |                       |                  |         |
|    | 20  |                       |                  |         |
|    | 25  | 0.18KW<br>~<br>0.06KW | Ø12 (sym)        |         |
|    | 30  |                       |                  |         |
|    | 40  |                       |                  |         |
| 40 | 10  | 0.4KW                 | Ø14              | IEC 71  |
|    | 15  |                       |                  |         |
|    | 20  |                       |                  |         |
|    | 30  | 0.2KW                 | Ø11<br>Ø12 (sym) | IEC 63  |
|    | 40  |                       |                  |         |
|    | 50  |                       |                  |         |
| 50 | 10  | 0.75KW                | Ø19              | IEC 80  |
|    | 15  |                       |                  |         |
|    | 20  |                       |                  |         |
|    | 25  | 0.4KW                 | Ø14              | IEC 71  |
|    | 30  |                       |                  |         |
|    | 40  |                       |                  |         |
| 63 | 10  | 1.5KW                 | Ø24              | IEC 90  |
|    | 15  |                       |                  |         |
|    | 20  | 0.75KW                | Ø19              | IEC 80  |
|    | 25  |                       |                  |         |
|    | 30  |                       |                  |         |
|    | 40  |                       |                  |         |
| 63 | 50  | 0.4KW                 | Ø14              | IEC 71  |
|    | 60  |                       |                  |         |

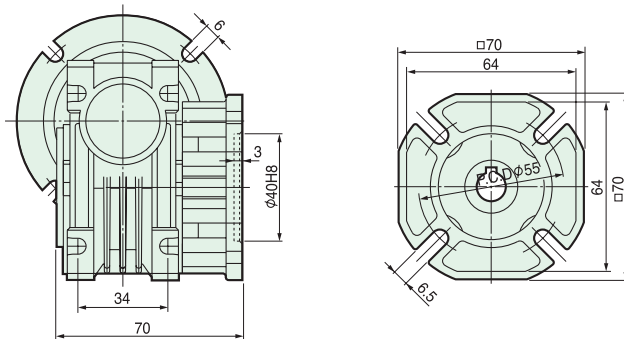
| 형번  | 감속비 | 동력     |      |         |
|-----|-----|--------|------|---------|
|     |     | 모터동력   | 모터축경 | IEC 프레임 |
| 75  | 10  | 2.2KW  | Ø28  | IEC 100 |
|     | 15  |        |      |         |
|     | 20  | 1.5KW  | Ø24  | IEC 90  |
|     | 25  |        |      |         |
|     | 30  | 0.75KW | Ø19  | IEC 80  |
|     | 40  |        |      |         |
| 100 | 50  | 0.75KW | Ø19  | IEC 80  |
|     | 60  |        |      |         |
|     | 10  | 2.2KW  | Ø28  | IEC 100 |
|     | 15  |        |      |         |
|     | 20  |        |      |         |
|     | 30  |        |      |         |
| 120 | 40  | 1.5KW  | Ø24  | IEC 90  |
|     | 50  |        |      |         |
|     | 60  |        |      |         |
|     | 10  | 3.7KW  | Ø28  | IEC 112 |
|     | 15  |        |      |         |
|     | 20  |        |      |         |
| 135 | 25  | 2.2KW  | Ø28  | IEC 100 |
|     | 30  |        |      |         |
|     | 40  | 5.5KW  | Ø38  | IEC 132 |
|     | 50  |        |      |         |
|     | 60  |        |      |         |
| 155 | 10  | 7.5KW  | Ø38  | IEC 132 |
|     | 15  |        |      |         |
|     | 20  |        |      |         |
|     | 30  |        |      |         |
|     | 40  | 5.5KW  | Ø38  | IEC 132 |
|     | 50  |        |      |         |



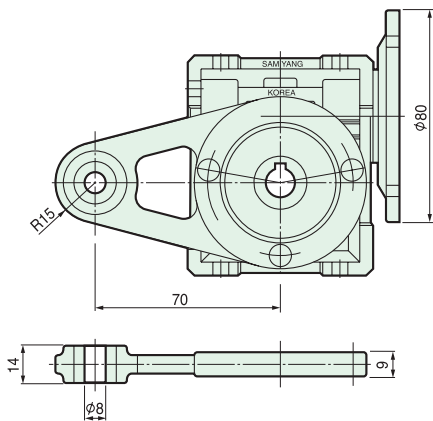
MTW25



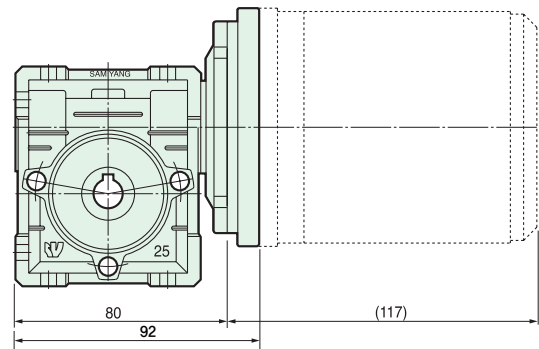
MTW25-F



MTW25-T



MTWM25



선택 기준 동력표

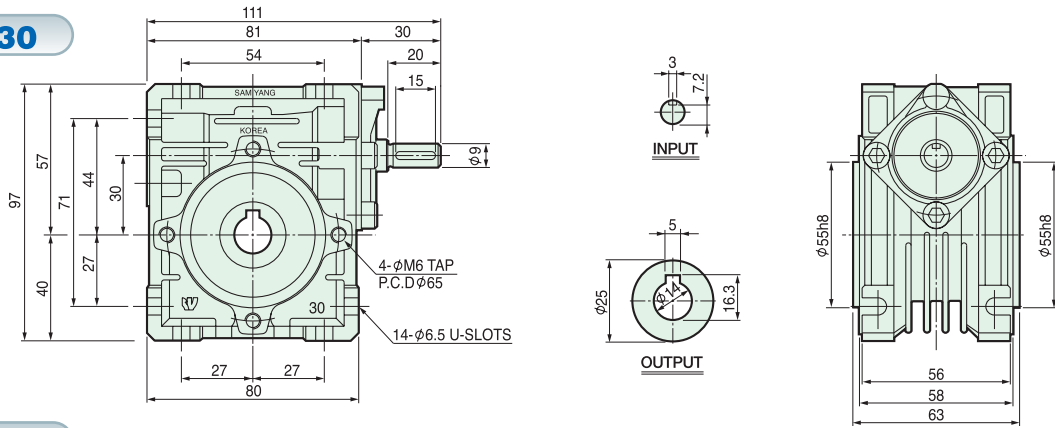
CASE : ALDC

| INPUT rpm | 1800 rpm |           |                     |          | 1200 rpm |           |                     | 900 rpm  |           |                     |
|-----------|----------|-----------|---------------------|----------|----------|-----------|---------------------|----------|-----------|---------------------|
| RATIO     | INPUT KW | OUTPUT KW | OUTPUT TORQUE Kgf-m | MOTOR KW | INPUT KW | OUTPUT KW | OUTPUT TORQUE Kgf-m | INPUT KW | OUTPUT KW | OUTPUT TORQUE Kgf-m |
| 10        | 0.239    | 0.163     | 0.879               | 0.04     | 0.190    | 0.129     | 1.049               | 0.16     | 0.11      | 1.177               |
| 15        | 0.167    | 0.102     | 0.827               |          | 0.134    | 0.082     | 0.995               | 0.11     | 0.07      | 1.089               |
| 20        | 0.134    | 0.075     | 0.812               |          | 0.104    | 0.058     | 0.945               | 0.08     | 0.04      | 0.970               |
| 25        | -        | -         | -                   | -        | -        | -         | -                   | -        | -         | -                   |
| 30        | 0.099    | 0.046     | 0.739               | 0.04     | 0.082    | 0.038     | 0.918               | 0.07     | 0.03      | 1.045               |
| 40        | 0.086    | 0.035     | 0.763               |          | 0.068    | 0.028     | 0.905               | 0.05     | 0.02      | 0.887               |
| 50        | 0.066    | 0.024     | 0.643               |          | 0.052    | 0.019     | 0.760               | 0.04     | 0.01      | 0.779               |
| 60        | 0.046    | 0.016     | 0.508               |          | 0.036    | 0.012     | 0.596               | 0.03     | 0.01      | 0.662               |

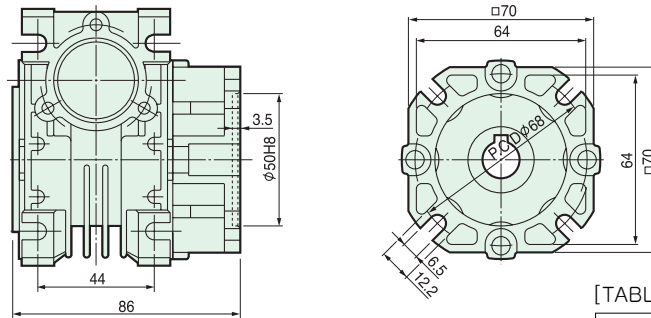


# SAMYANG MIGHTY WORM

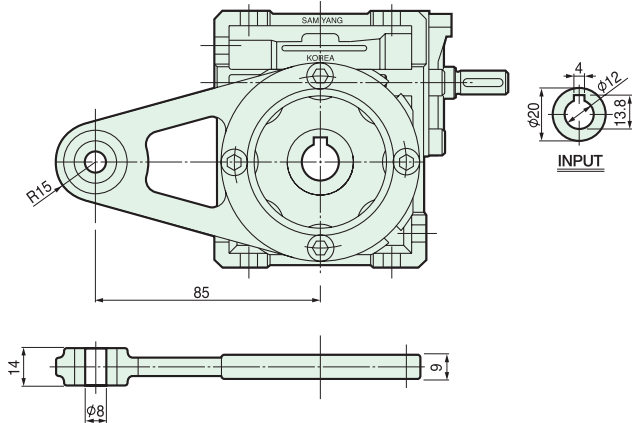
## MTW30



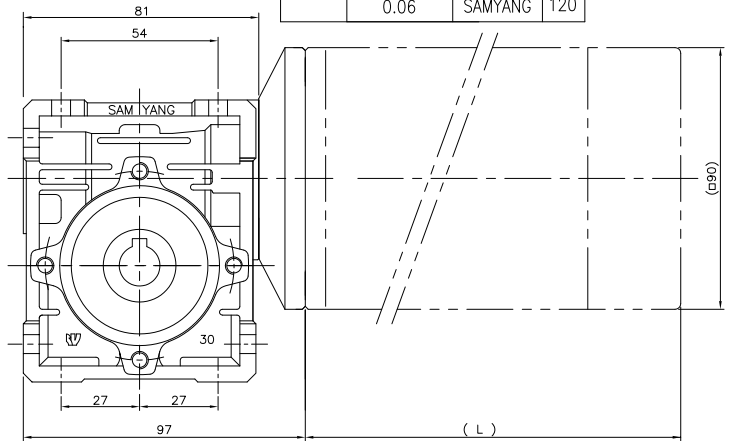
## MTW30-F



## MTW30-T



## MTWM30



[TABLE] 외형 치수표

| 감속비 (RATIO) | 동력 (kW)   | 모터 제조사  | L   |
|-------------|-----------|---------|-----|
| 10~20       | 0.2       | SAMYANG | 155 |
|             | 0.18      | SAMYANG | 155 |
| 25~60       | 0.09~0.15 | SAMYANG | 135 |
|             | 0.06      | SAMYANG | 120 |

## 선택 기준 동력표

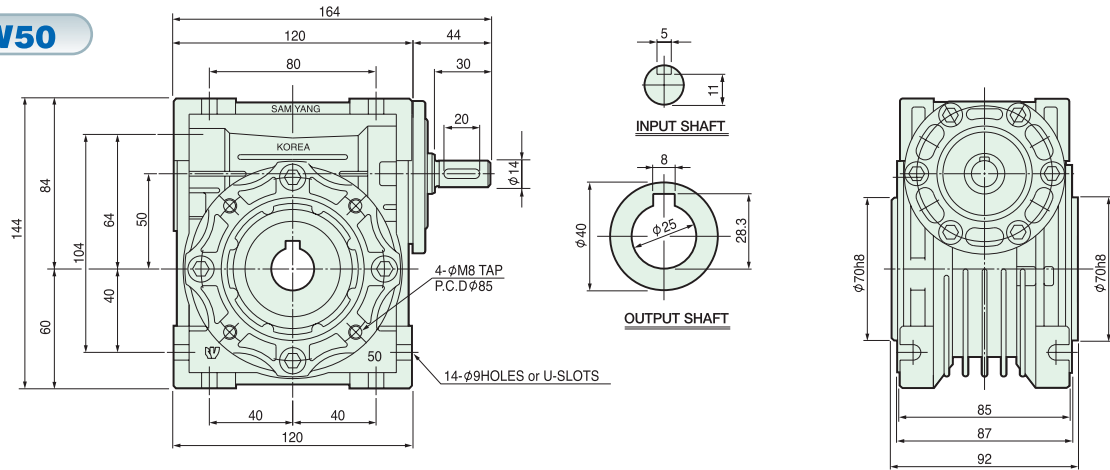
CASE : ALDC

| INPUT rpm | 1800 rpm |           |                     |          | 1200 rpm |           |                     | 900 rpm  |           |                     |
|-----------|----------|-----------|---------------------|----------|----------|-----------|---------------------|----------|-----------|---------------------|
|           | INPUT KW | OUTPUT KW | OUTPUT TORQUE Kgf-m | MOTOR KW | INPUT KW | OUTPUT KW | OUTPUT TORQUE Kgf-m | INPUT KW | OUTPUT KW | OUTPUT TORQUE Kgf-m |
| 10        | 0.357    | 0.225     | 1.217               | 0.2      | 0.288    | 0.181     | 1.473               | 0.24     | 0.15      | 1.636               |
| 15        | 0.253    | 0.139     | 1.129               |          | 0.206    | 0.113     | 1.379               | 0.17     | 0.09      | 1.518               |
| 20        | 0.194    | 0.097     | 1.050               |          | 0.154    | 0.077     | 1.250               | 0.13     | 0.07      | 1.407               |
| 25        | 0.198    | 0.085     | 1.152               |          | 0.170    | 0.073     | 1.483               | 0.14     | 0.06      | 1.629               |
| 30        | 0.167    | 0.065     | 1.057               | 0.18     | 0.134    | 0.052     | 1.273               | 0.11     | 0.04      | 1.393               |
| 40        | 0.124    | 0.043     | 0.939               |          | 0.102    | 0.036     | 1.159               | 0.09     | 0.03      | 1.364               |
| 50        | 0.099    | 0.031     | 0.830               |          | 0.082    | 0.025     | 1.032               | 0.07     | 0.02      | 1.174               |
| 60        | 0.086    | 0.023     | 0.754               |          | 0.072    | 0.019     | 0.947               | 0.06     | 0.02      | 1.052               |

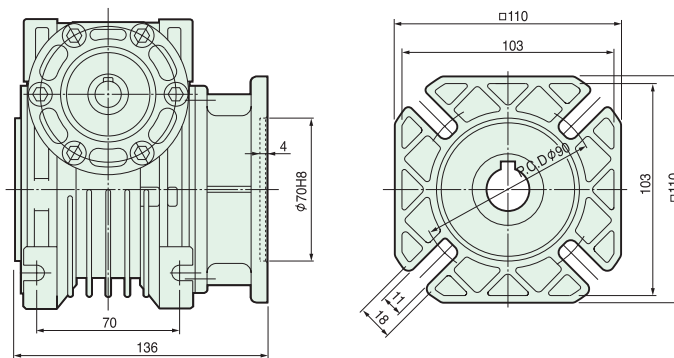


# SAMYANG MIGHTY WORM

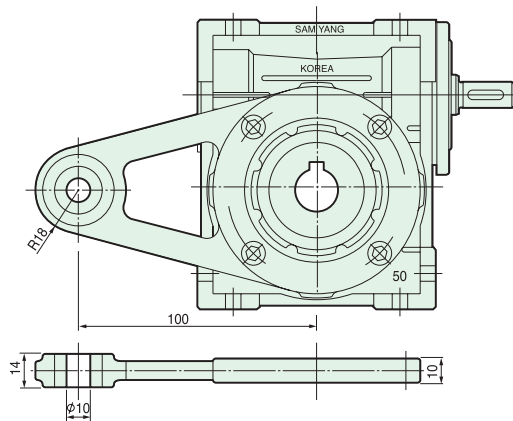
## MTW50



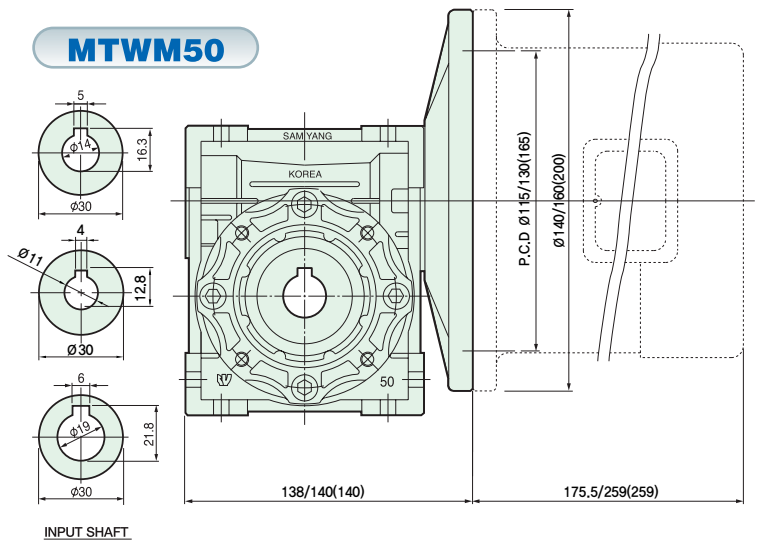
## MTW50-F



## MTW50-T



## MTWM50

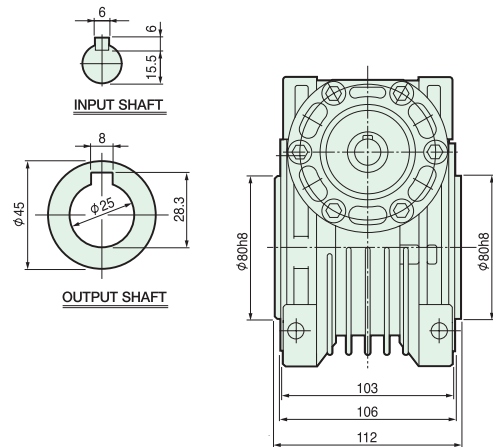
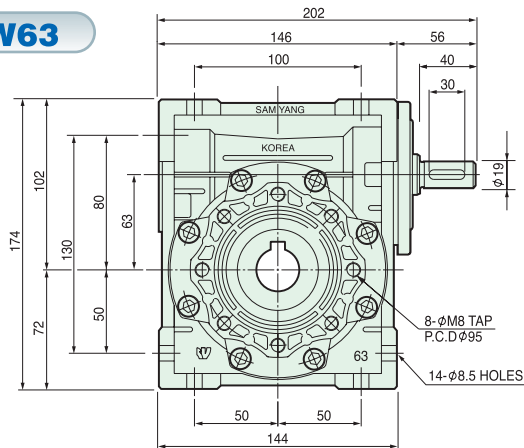


## 선택 기준 동력표

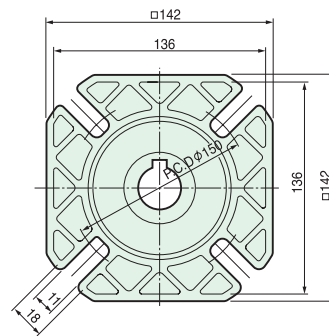
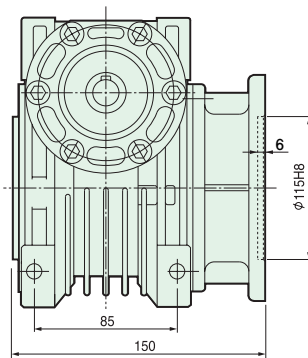
CASE : ALDC

| INPUT rpm | 1800 rpm |           |                     |          | 1200 rpm |           |                     | 900 rpm  |           |                     |
|-----------|----------|-----------|---------------------|----------|----------|-----------|---------------------|----------|-----------|---------------------|
| RATIO     | INPUT KW | OUTPUT KW | OUTPUT TORQUE Kgf-m | MOTOR KW | INPUT KW | OUTPUT KW | OUTPUT TORQUE Kgf-m | INPUT KW | OUTPUT KW | OUTPUT TORQUE Kgf-m |
| 10        | 1,393    | 0,919     | 4,975               | 0.75     | 1,114    | 0,735     | 5,968               | 0,94     | 0,62      | 6,714               |
| 15        | 1,003    | 0,592     | 4,803               |          | 0,796    | 0,470     | 5,718               | 0,67     | 0,40      | 6,417               |
| 20        | 0,757    | 0,416     | 4,506               |          | 0,600    | 0,330     | 5,357               | 0,48     | 0,26      | 5,714               |
| 25        | 0,600    | 0,306     | 4,140               | 0.4      | 0,480    | 0,245     | 4,967               | 0,39     | 0,20      | 5,381               |
| 30        | 0,641    | 0,282     | 4,578               |          | 0,510    | 0,224     | 5,464               | 0,42     | 0,18      | 6,000               |
| 40        | 0,469    | 0,183     | 3,959               |          | 0,376    | 0,147     | 4,761               | 0,31     | 0,12      | 5,234               |
| 50        | 0,371    | 0,129     | 3,513               | 0.2      | 0,304    | 0,106     | 4,318               | 0,25     | 0,09      | 4,735               |
| 60        | 0,306    | 0,097     | 3,179               |          | 0,252    | 0,081     | 3,927               | 0,21     | 0,07      | 4,364               |

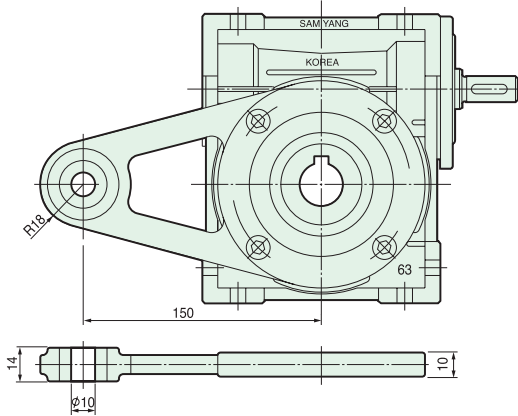
MTW63



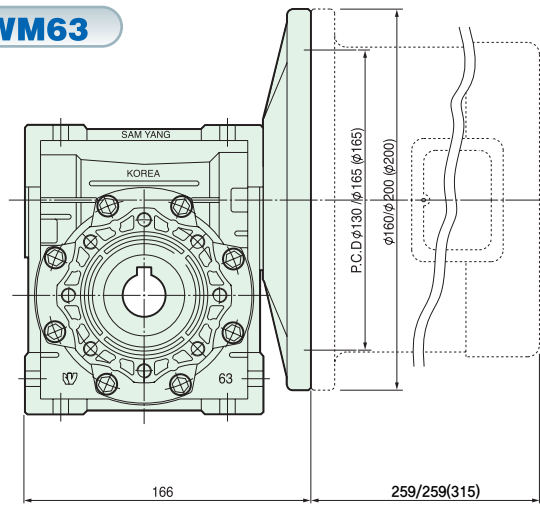
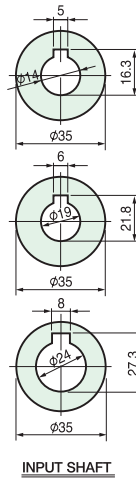
MTW63-F



MTW63-T



MTWM63



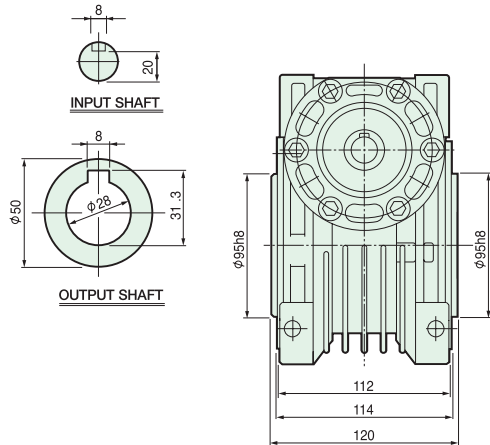
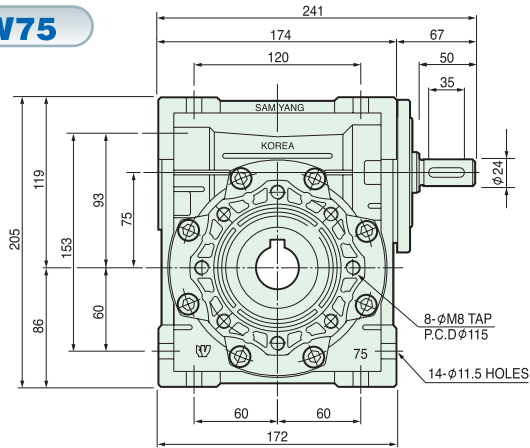
선정 기준 동력표

CASE : ALDC

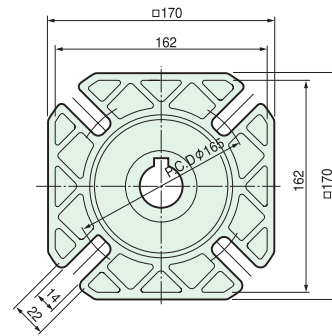
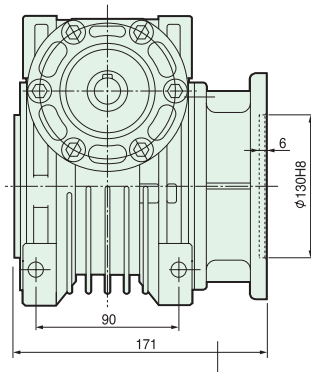
| INPUT rpm<br>RATIO | 1800 rpm |           |                      |          | 1200 rpm |           |                      | 900 rpm  |           |                      |
|--------------------|----------|-----------|----------------------|----------|----------|-----------|----------------------|----------|-----------|----------------------|
|                    | INPUT KW | OUTPUT KW | OUTPUT TORQUE Kg-f-m | MOTOR KW | INPUT KW | OUTPUT KW | OUTPUT TORQUE Kg-f-m | INPUT KW | OUTPUT KW | OUTPUT TORQUE Kg-f-m |
| 10                 | 2.479    | 1.661     | 8.987                | 1.5      | 1.994    | 1.336     | 10.844               | 1.70     | 1.14      | 12.327               |
| 15                 | 1.847    | 1.108     | 8.995                |          | 1.470    | 0.882     | 10.738               | 1.20     | 0.72      | 11.688               |
| 20                 | 1.371    | 0.754     | 8.160                |          | 1.096    | 0.603     | 9.785                | 0.91     | 0.50      | 10.833               |
| 25                 | 1.007    | 0.549     | 7.430                | 0.75     | 0.864    | 0.441     | 8.941                | 0.69     | 0.35      | 9.521                |
| 30                 | 1.214    | 0.546     | 8.868                |          | 0.976    | 0.439     | 10.695               | 0.79     | 0.36      | 11.542               |
| 40                 | 0.846    | 0.338     | 7.324                |          | 0.688    | 0.275     | 8.935                | 0.58     | 0.23      | 10.043               |
| 50                 | 0.666    | 0.239     | 6.487                | 0.4      | 0.540    | 0.194     | 7.889                | 0.45     | 0.16      | 8.766                |
| 60                 | 0.559    | 0.185     | 5.989                |          | 0.454    | 0.150     | 7.296                | 0.37     | 0.12      | 7.928                |

# SAMYANG MIGHTY WORM

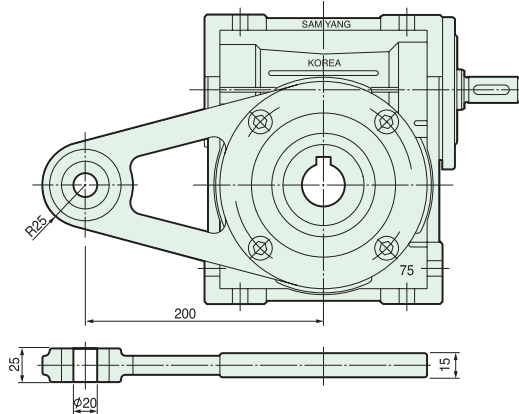
**MTW75**



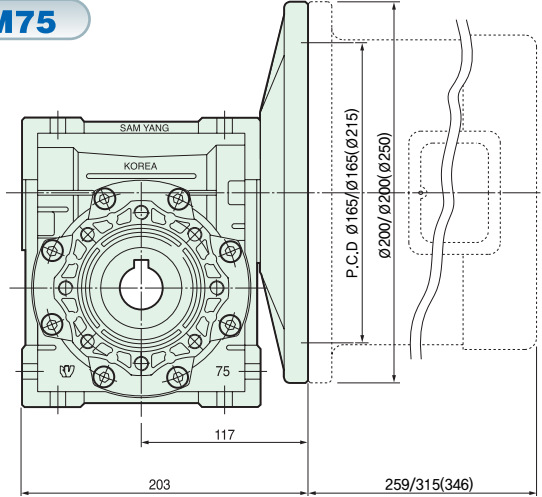
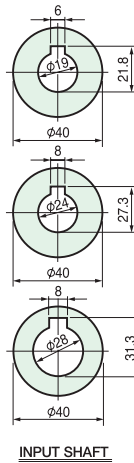
**MTW75-F**



**MTW75-T**



**MTWM75**

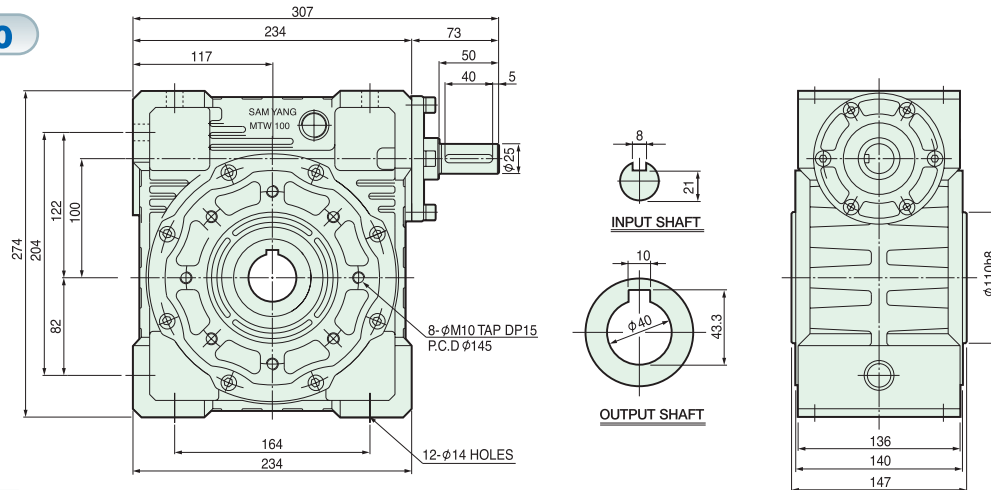


**선택 기준 동력표**

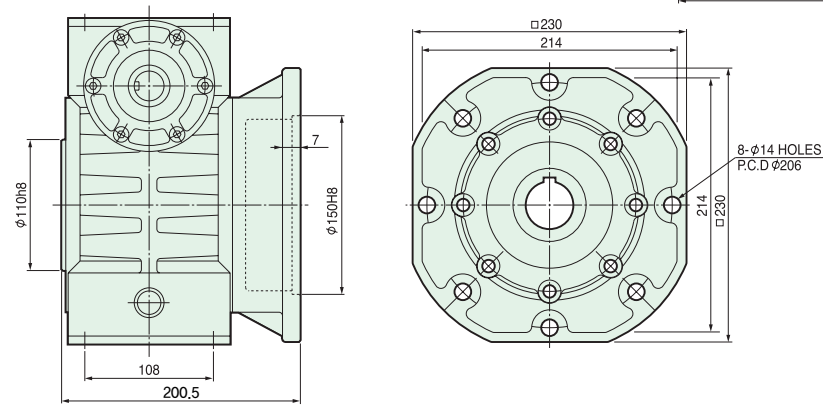
CASE : ALDC

| INPUT rpm<br>RATIO | 1800 rpm |           |                     |          | 1200 rpm |           |                     | 900 rpm  |           |                     |
|--------------------|----------|-----------|---------------------|----------|----------|-----------|---------------------|----------|-----------|---------------------|
|                    | INPUT KW | OUTPUT KW | OUTPUT TORQUE Kgf-m | MOTOR KW | INPUT KW | OUTPUT KW | OUTPUT TORQUE Kgf-m | INPUT KW | OUTPUT KW | OUTPUT TORQUE Kgf-m |
| 10                 | 3.670    | 2.496     | 13.504              | 2.2      | 2.958    | 2.001     | 16.326              | 2.52     | 1.71      | 18.545              |
| 15                 | 2.606    | 1.589     | 12.903              |          | 2.100    | 1.281     | 15.596              | 1.80     | 1.10      | 17.824              |
| 20                 | 2.131    | 1.215     | 13.145              |          | 1.688    | 0.962     | 15.619              | 1.40     | 0.80      | 17.272              |
| 25                 | 1.656    | 0.877     | 11.873              | 1.5      | 1.322    | 0.701     | 14.218              | 1.10     | 0.58      | 15.773              |
| 30                 | 1.657    | 0.762     | 12.373              |          | 1.328    | 0.611     | 14.875              | 1.10     | 0.51      | 16.428              |
| 40                 | 1.249    | 0.525     | 11.354              |          | 1.004    | 0.422     | 13.691              | 0.83     | 0.35      | 15.091              |
| 50                 | 0.979    | 0.372     | 10.065              | 0.75     | 0.794    | 0.302     | 12.245              | 0.65     | 0.25      | 13.365              |
| 60                 | 0.821    | 0.287     | 9.329               |          | 0.666    | 0.233     | 11.352              | 0.54     | 0.19      | 12.272              |

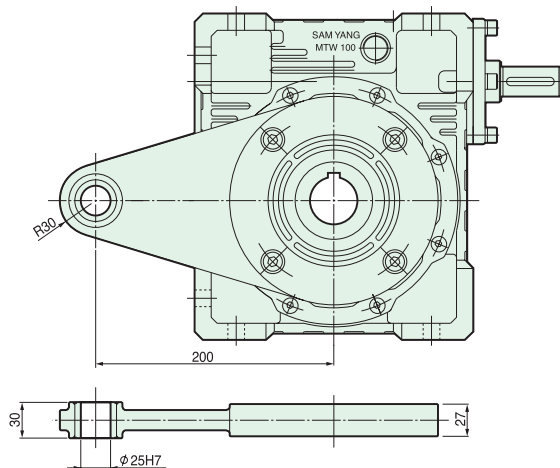
MTW100



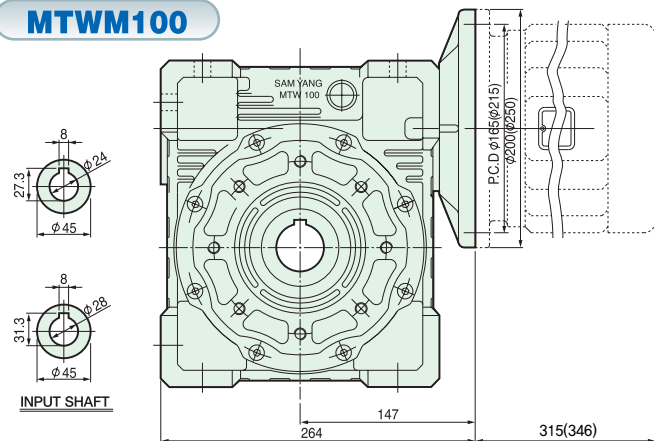
MTW100-F



MTW100-T



MTWM100



선택 기준 동력표

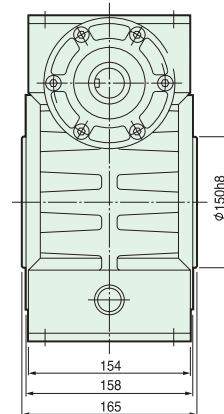
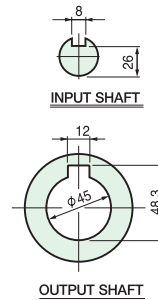
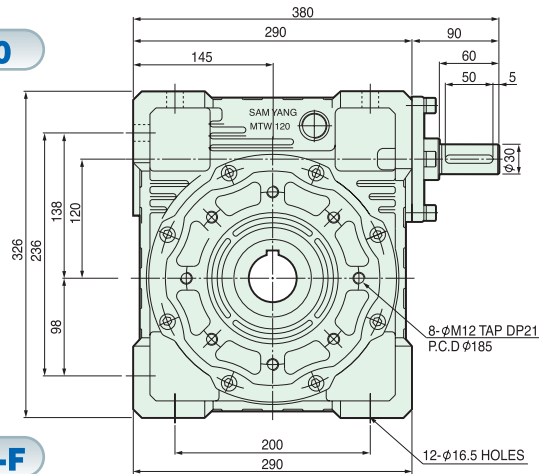
CASE : IRON

| INPUT rpm | 1800 rpm |           |                     |          | 1200 rpm |           |                     | 900 rpm  |           |                     |
|-----------|----------|-----------|---------------------|----------|----------|-----------|---------------------|----------|-----------|---------------------|
| RATIO     | INPUT KW | OUTPUT KW | OUTPUT TORQUE Kgf-m | MOTOR KW | INPUT KW | OUTPUT KW | OUTPUT TORQUE Kgf-m | INPUT KW | OUTPUT KW | OUTPUT TORQUE Kgf-m |
| 10        | 4.815    | 3.968     | 20.96               | 2.2      | 3.825    | 3.090     | 24.56               | 3.240    | 2.588     | 27.72               |
| 15        | 3.488    | 2.775     | 21.99               |          | 2.805    | 2.205     | 25.96               | 2.385    | 1.815     | 28.90               |
| 20        | 2.775    | 2.168     | 22.94               |          | 2.220    | 1.703     | 27.13               | 1.875    | 1.395     | 29.63               |
| 30        | 2.318    | 1.658     | 26.32               |          | 1.845    | 1.275     | 30.22               | 1.598    | 0.855     | 33.82               |
| 40        | 1.748    | 1.215     | 25.81               | 1.5      | 1.410    | 0.945     | 30.07               | 1.118    | 0.705     | 33.82               |
| 50        | 1.320    | 0.878     | 23.38               |          | 1.065    | 0.683     | 27.21               | 0.923    | 0.578     | 29.56               |
| 60        | 1.080    | 0.698     | 22.35               |          | 0.878    | 0.518     | 25.66               | 0.758    | 0.435     | 28.01               |

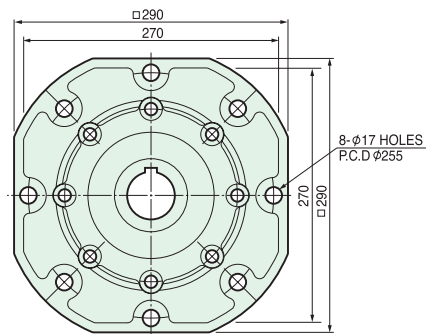
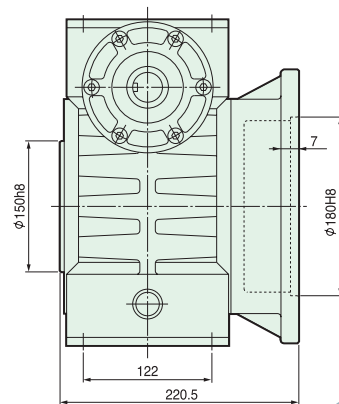


# SAMYANG MIGHTY WORM

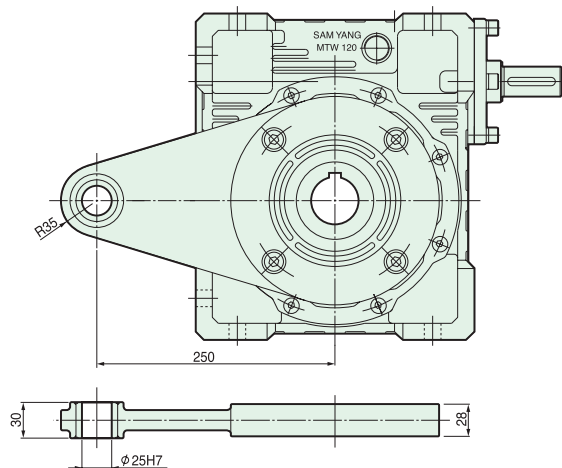
**MTW120**



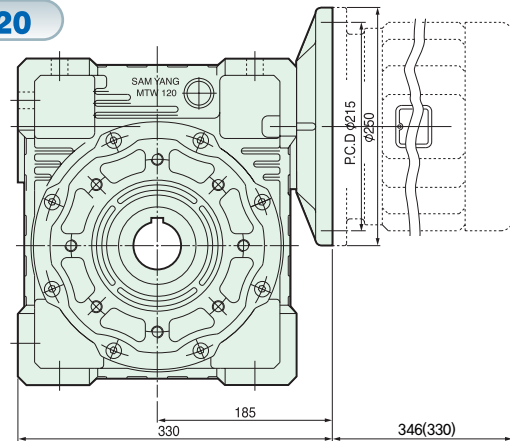
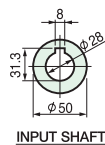
**MTW120-F**



**MTW120-T**



**MTWM120**

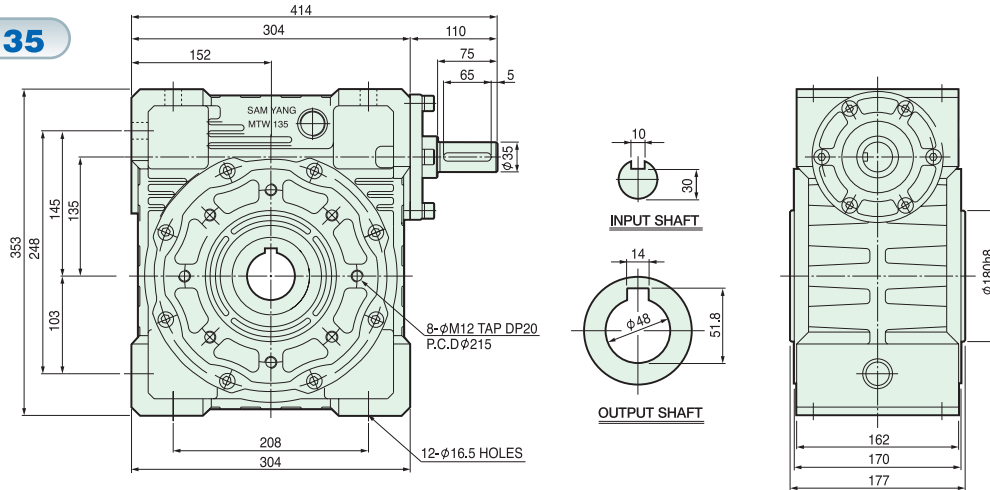


## 선택 기준 동력표

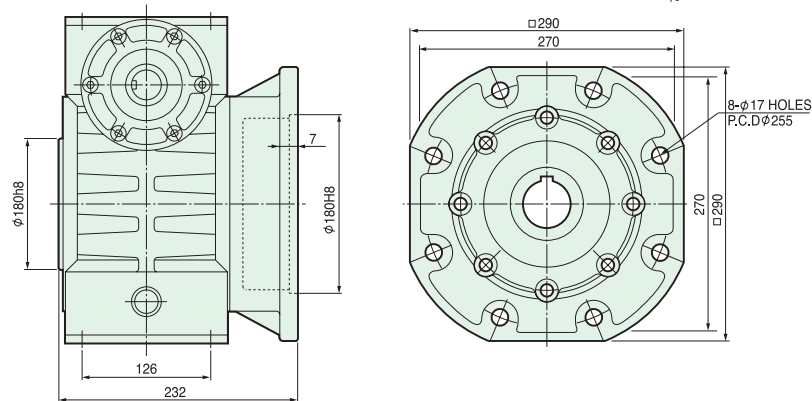
CASE : IRON

| INPUT rpm | 1800 rpm |           |                     |          | 1200 rpm |           |                     | 900 rpm  |           |                     |
|-----------|----------|-----------|---------------------|----------|----------|-----------|---------------------|----------|-----------|---------------------|
| RATIO     | INPUT kW | OUTPUT kW | OUTPUT TORQUE Kgf-m | MOTOR kW | INPUT kW | OUTPUT kW | OUTPUT TORQUE Kgf-m | INPUT kW | OUTPUT kW | OUTPUT TORQUE Kgf-m |
| 10        | 7.613    | 6.285     | 33.60               | 3.7      | 6.068    | 4.980     | 39.56               | 5.175    | 4.163     | 44.19               |
| 15        | 5.513    | 4.440     | 35.29               |          | 4.455    | 3.488     | 41.54               | 3.765    | 2.910     | 46.18               |
| 20        | 3.945    | 3.060     | 32.35               |          | 3.158    | 2.378     | 37.72               | 2.678    | 1.980     | 41.91               |
| 30        | 3.675    | 2.663     | 42.28               |          | 2.925    | 2.048     | 48.75               | 2.513    | 1.703     | 54.34               |
| 40        | 2.580    | 1.763     | 37.28               | 2.2      | 2.078    | 1.350     | 43.01               | 1.785    | 1.118     | 47.65               |
| 50        | 2.168    | 1.515     | 40.07               |          | 1.740    | 1.170     | 46.02               | 1.485    | 0.945     | 50.51               |
| 60        | 1.740    | 1.125     | 35.96               |          | 1.388    | 0.863     | 41.32               | 1.200    | 0.705     | 45.07               |

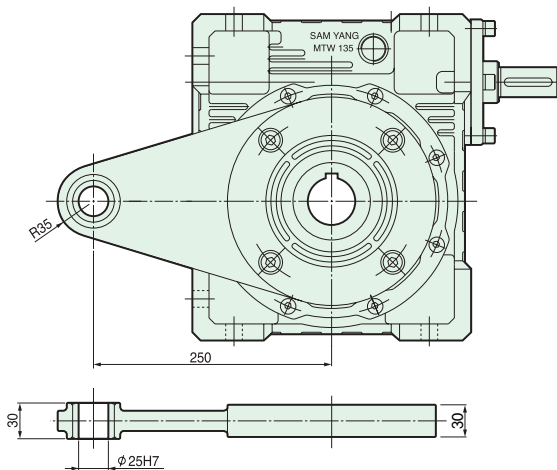
MTW135



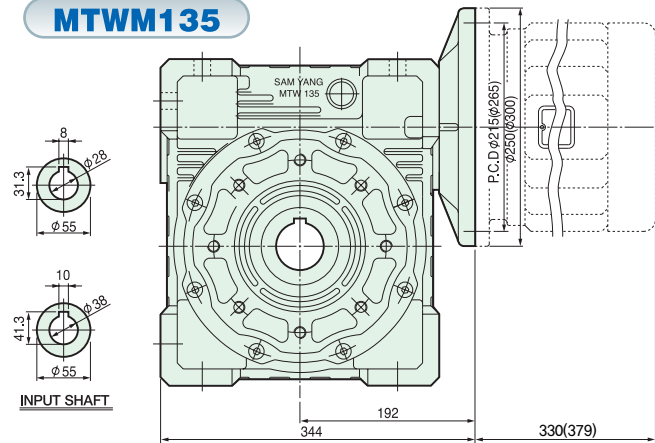
MTW135-F



MTW135-T



MTWM135



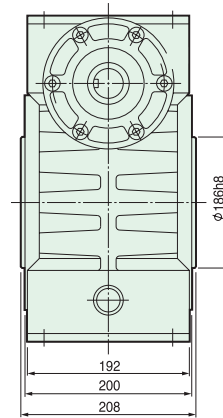
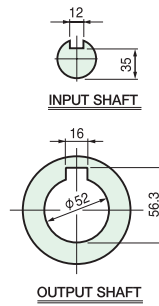
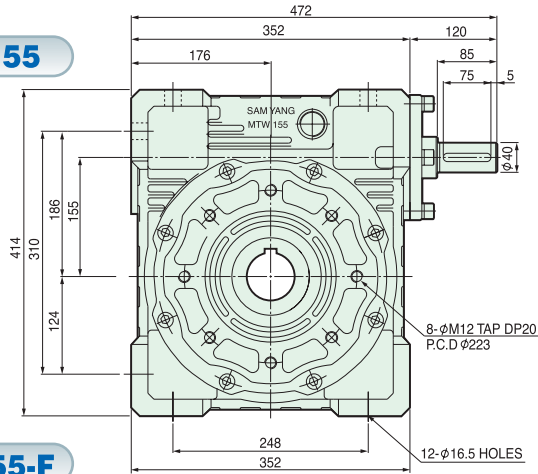
선택 기준 동력표

CASE : IRON

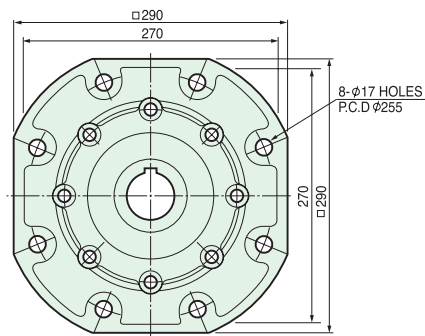
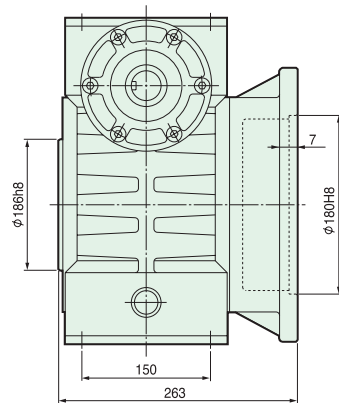
| INPUT rpm | 1800 rpm |           |                     |          | 1200 rpm |           |                     | 900 rpm  |           |                     |
|-----------|----------|-----------|---------------------|----------|----------|-----------|---------------------|----------|-----------|---------------------|
| RATIO     | INPUT kW | OUTPUT kW | OUTPUT TORQUE Kgf-m | MOTOR kW | INPUT kW | OUTPUT kW | OUTPUT TORQUE Kgf-m | INPUT kW | OUTPUT kW | OUTPUT TORQUE Kgf-m |
| 10        | 10,868   | 9,098     | 48,53               | 5.5      | 8,715    | 7,170     | 57,13               | 7,335    | 6,008     | 63,82               |
| 15        | 8,055    | 6,563     | 52,50               |          | 6,510    | 5,175     | 61,76               | 5,490    | 4,320     | 68,60               |
| 20        | 6,233    | 5,025     | 53,31               |          | 4,950    | 3,878     | 61,69               | 4,238    | 3,263     | 69,34               |
| 30        | 5,340    | 3,975     | 63,24               |          | 4,253    | 3,053     | 72,87               | 3,638    | 2,550     | 80,88               |
| 40        | 3,855    | 2,805     | 59,41               | 3.7      | 3,090    | 2,160     | 68,82               | 2,648    | 1,800     | 76,47               |
| 50        | 2,910    | 2,055     | 54,56               |          | 2,333    | 1,583     | 63,09               | 1,988    | 1,298     | 68,82               |
| 60        | 2,288    | 1,545     | 49,26               |          | 1,823    | 1,185     | 56,62               | 1,568    | 0,968     | 61,84               |



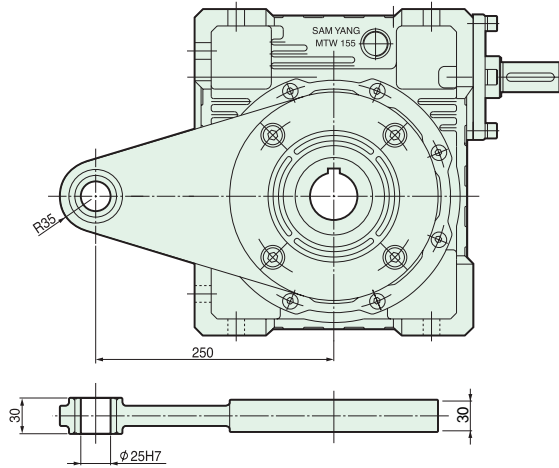
### MTW155



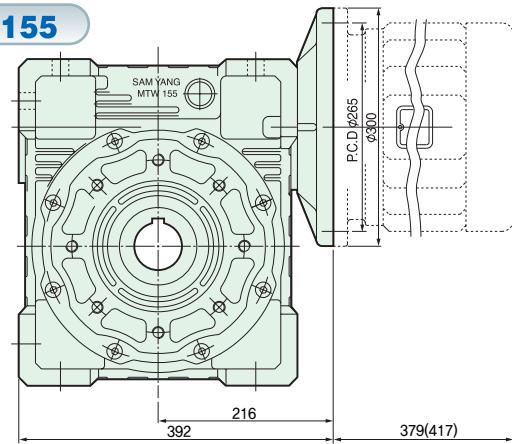
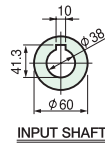
### MTW155-F



### MTW155-T



### MTWM155



## 선정 기준 동력표

CASE : IRON

| INPUT rpm | 1800 rpm |           |                     |          | 1200 rpm |           |                     | 900 rpm  |           |                     |
|-----------|----------|-----------|---------------------|----------|----------|-----------|---------------------|----------|-----------|---------------------|
| RATIO     | INPUT kW | OUTPUT kW | OUTPUT TORQUE Kgf-m | MOTOR kW | INPUT kW | OUTPUT kW | OUTPUT TORQUE Kgf-m | INPUT kW | OUTPUT kW | OUTPUT TORQUE Kgf-m |
| 10        | 18,143   | 15,053    | 77.21               | 7.5      | 14,558   | 11,970    | 91.91               | 12,240   | 9,983     | 102.21              |
| 15        | 12,630   | 10,200    | 77.94               |          | 9,983    | 7,943     | 91.18               | 8,490    | 6,615     | 102.21              |
| 20        | 8,220    | 6,510     | 69.49               |          | 6,563    | 5,123     | 80.88               | 5,513    | 4,245     | 89.71               |
| 30        | 7,335    | 5,393     | 82.35               |          | 5,738    | 4,163     | 95.59               | 5,010    | 3,488     | 107.35              |
| 40        | 5,138    | 3,675     | 77.94               | 5.5      | 4,080    | 2,813     | 89.71               | 3,465    | 2,325     | 98.53               |
| 50        | 3,930    | 2,738     | 72.72               |          | 3,180    | 2,115     | 83.82               | 2,700    | 1,748     | 92.65               |
| 60        | 3,225    | 2,198     | 70.07               |          | 2,603    | 2,123     | 80.15               | 2,190    | 1,380     | 86.76               |