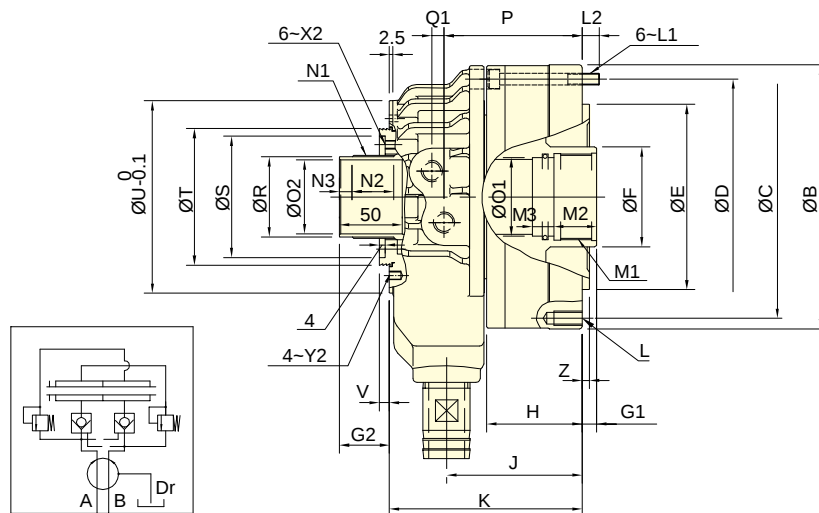
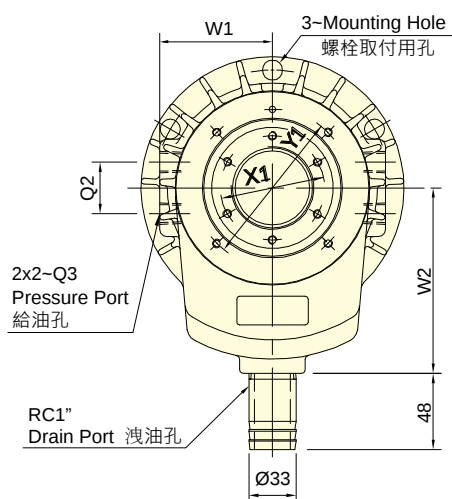




- 超短・大孔徑型迴轉油壓缸・全長僅為從來型的2/3。
- 內建逆止閥自鎖機構及壓力洩壓閥。
- 安裝時可由後端鎖固之。
- Super short form, light weight large Through-Hole, just as 2/3 of typical model length.
- Built-in safety check valves and pressure relief valves.
- Can screw it from the rear end of the cylinder when mounting.
- 可附加線性定位系統機構。(選購品)
- Linear sensor can be attached.(optional)



保留規格修改的權利  
Subject to technical changes

#### 技術規格 SPECIFICATIONS

| 型號       | 活塞面積Eff. piston area |                 | 行程            | 最高迴轉數                      | 最高使用壓力                    | I                 | 重量     | 總洩漏量              |
|----------|----------------------|-----------------|---------------|----------------------------|---------------------------|-------------------|--------|-------------------|
| Model    | 伸側(Extend)           | 拉側(Retract)     | Piston stroke | Max. speed                 | Max. pressure             | Moment of inertia | Weight | Total oil leakage |
|          | cm <sup>2</sup>      | cm <sup>2</sup> | mm            | min <sup>-1</sup> (r.p.m.) | MPa(kgf/cm <sup>2</sup> ) | kg-m <sup>2</sup> | kg     | lit. / min.       |
| TK-A528  | 73.0                 | 69.7            | 12            | 8000                       | 4.5 (45)                  | 0.012             | 6.2    | 3.0               |
| TK-A533  | 73.0                 | 69.7            | 12            | 8000                       | 4.5 (45)                  | 0.012             | 6.0    | 3.0               |
| TK-C643  | 99.1                 | 88.0            | 15            | 7000                       | 4.5 (45)                  | 0.018             | 7.5    | 3.0               |
| TK-A646  | 105.0                | 93.9            | 15            | 7000                       | 4.5 (45)                  | 0.018             | 7.3    | 3.0               |
| TK-B646  | 105.0                | 93.9            | 15            | 7000                       | 4.5 (45)                  | 0.018             | 8.6    | 3.0               |
| TK-C646  | 99.1                 | 88.0            | 15            | 7000                       | 4.5 (45)                  | 0.018             | 7.5    | 3.0               |
| TK-B846  | 135.3                | 125.0           | 20            | 6300                       | 4.5 (45)                  | 0.032             | 12.4   | 3.9               |
| TK-A853  | 135.3                | 125.0           | 20            | 6300                       | 4.5 (45)                  | 0.032             | 11.8   | 3.9               |
| TK-B853  | 135.3                | 125.0           | 20            | 6300                       | 4.5(45)                   | 0.032             | 11.7   | 3.9               |
| TK-A1068 | 170.1                | 155.3           | 25            | 5500                       | 4.5 (45)                  | 0.065             | 19.2   | 4.2               |
| TK-A1075 | 170.1                | 155.3           | 25            | 5500                       | 4.5(45)                   | 0.065             | 18.8   | 4.2               |
| TK-A1078 | 170.1                | 155.3           | 25            | 5500                       | 4.5 (45)                  | 0.065             | 17.4   | 4.2               |

\* 集水盒及行程確認裝置請參閱零件頁面。\*Coolant Collector and Confirmation Device Please See Accessories pages.

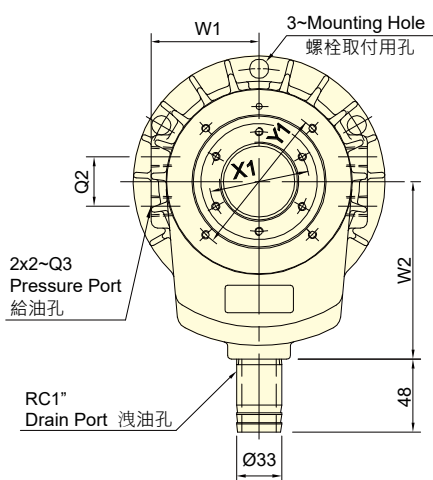
## 外型尺寸 DIMENSIONS

| Model    | A          | B   | C   | D   | E   | F  | G1   |      | G2   |      | H  | J    | K   | L         | L1     | L2 | M1      | M2 | M3 |
|----------|------------|-----|-----|-----|-----|----|------|------|------|------|----|------|-----|-----------|--------|----|---------|----|----|
|          | 內徑<br>I.D. |     |     |     | h7  |    | max. | min. | max. | min. |    |      |     |           |        |    |         |    |    |
| TK-A528  | 105        | 141 | 125 | 125 | 110 | 45 | 12   | 0    | 38   | 26   | 49 | 77.5 | 123 | 6~M10x20  | M8x55  | 14 | M38x1.5 | 25 | 13 |
| TK-A533  | 105        | 141 | 125 | 125 | 110 | 45 | 12   | 0    | 38   | 26   | 49 | 77.5 | 123 | 6~M10x20  | M8x55  | 14 | M38x1.5 | 25 | 13 |
| TK-C643  | 128        | 156 | 140 | 140 | 120 | 65 | 15   | 0    | 44   | 29   | 56 | 85   | 125 | 12~M10x20 | M8x60  | 12 | M50x2   | 25 | 13 |
| TK-A646  | 128        | 162 | 147 | 147 | 130 | 65 | 15   | 0    | 44   | 29   | 56 | 85   | 125 | 12~M10x20 | M8x60  | 12 | M55x2   | 25 | 13 |
| TK-B646  | 128        | 162 | 130 | 147 | 100 | 65 | 15   | 0    | 44   | 29   | 66 | 95   | 135 | 12~M10x20 | M8x70  | 12 | M55x2   | 30 | 15 |
| TK-C646  | 125        | 156 | 140 | 140 | 120 | 65 | 15   | 0    | 44   | 29   | 56 | 85   | 125 | 12~M10x20 | M8x60  | 12 | M55x2   | 25 | 13 |
| TK-B846  | 145        | 185 | 170 | 165 | 130 | 70 | 20   | 0    | 48   | 28   | 66 | 95   | 135 | 12~M10x20 | M8x70  | 12 | M55x2   | 30 | 15 |
| TK-A853  | 145        | 185 | 170 | 165 | 140 | 70 | 20   | 0    | 48   | 28   | 66 | 95   | 135 | 12~M10x20 | M8x70  | 12 | M60x2   | 30 | 15 |
| TK-B853  | 145        | 185 | 170 | 165 | 130 | 70 | 20   | 0    | 48   | 28   | 66 | 95   | 135 | 12~M10x20 | M8x70  | 12 | M60x2   | 30 | 15 |
| TK-A1068 | 170        | 212 | 190 | 190 | 160 | 95 | 25   | 0    | 50   | 25   | 74 | 108  | 158 | 12~M10x20 | M10x80 | 16 | M75x2   | 35 | 15 |
| TK-A1075 | 170        | 212 | 190 | 190 | 160 | 95 | 25   | 0    | 50   | 25   | 74 | 108  | 158 | 12~M10x20 | M10x80 | 16 | M85x2   | 35 | 15 |
| TK-A1078 | 170        | 212 | 190 | 190 | 160 | 95 | 25   | 0    | 50   | 25   | 74 | 108  | 158 | 12~M10x20 | M10x80 | 16 | M87x2   | 35 | 15 |

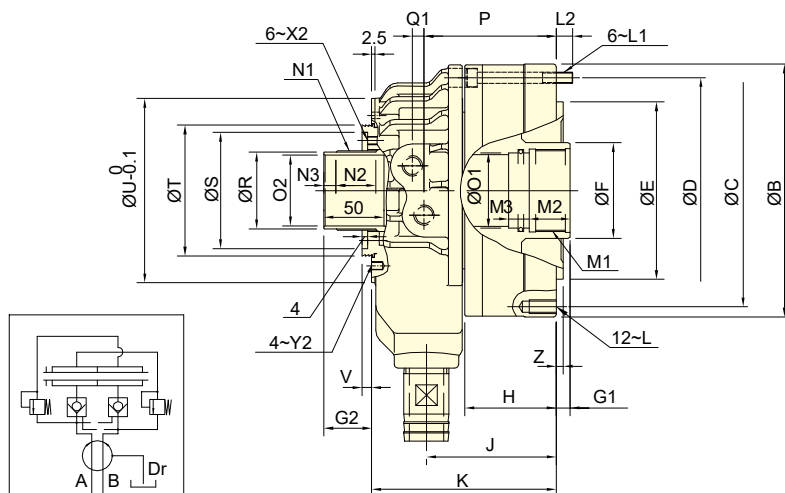
| Model    | N1      | N2 | N3 | O1 | O2 | P   | Q1  | Q2 | Q3    | R  | S   | T   | U   | V    | W1 | W2  | X1 | X2    | Y1  | Y2   | Z |
|----------|---------|----|----|----|----|-----|-----|----|-------|----|-----|-----|-----|------|----|-----|----|-------|-----|------|---|
|          |         |    |    | H8 | H8 |     |     |    |       | g7 | H7  |     |     |      |    |     |    |       |     |      |   |
| TK-A528  | M39x1.5 | 25 | 8  | 35 | 28 | 79  | 8.5 | 30 | RC1/4 | 37 | 62  | 70  | 98  | 6    | 62 | 110 | 49 | M6x6  | 83  | M5x6 | 5 |
| TK-A533  | M39x1.5 | 25 | 8  | 35 | 33 | 79  | 8.5 | 30 | RC1/4 | 37 | 62  | 70  | 98  | 6    | 62 | 110 | 49 | M6x6  | 83  | M5x6 | 5 |
| TK-C643  | M52x1.5 | 29 | 9  | 45 | 43 | 87  | 8.5 | 36 | RC3/8 | 50 | 76  | 85  | 116 | 9.5  | 74 | 120 | 64 | M6x10 | 98  | M5x6 | 5 |
| TK-A646  | M52x1.5 | 29 | 9  | 50 | 46 | 87  | 8.5 | 36 | RC3/8 | 50 | 76  | 85  | 116 | 9.5  | 74 | 120 | 64 | M6x10 | 98  | M5x6 | 5 |
| TK-B646  | M52x1.5 | 29 | 9  | 50 | 46 | 97  | 8.5 | 36 | RC3/8 | 50 | 76  | 85  | 116 | 9.5  | 74 | 120 | 64 | M6x10 | 98  | M5x6 | 5 |
| TK-C646  | M52x1.5 | 29 | 9  | 50 | 46 | 87  | 8.5 | 36 | RC3/8 | 50 | 76  | 85  | 116 | 9.5  | 74 | 120 | 64 | M6x10 | 98  | M5x6 | 5 |
| TK-B846  | M58x1.5 | 30 | 8  | 50 | 46 | 97  | 8.5 | 36 | RC3/8 | 56 | 85  | 96  | 128 | 11.5 | 79 | 130 | 73 | M6x12 | 110 | M6x6 | 5 |
| TK-A853  | M58x1.5 | 30 | 8  | 55 | 53 | 97  | 8.5 | 36 | RC3/8 | 56 | 85  | 96  | 128 | 11.5 | 79 | 130 | 73 | M6x12 | 110 | M6x6 | 5 |
| TK-B853  | M58x1.5 | 30 | 8  | 55 | 53 | 97  | 8.5 | 36 | RC3/8 | 56 | 85  | 96  | 128 | 11.5 | 79 | 130 | 73 | M6x12 | 110 | M6x6 | 5 |
| TK-A1068 | M84x2   | 34 | 9  | 70 | 68 | 110 | 12  | 40 | RC1/2 | 81 | 108 | 121 | 164 | 10   | 98 | 160 | 98 | M6x12 | 155 | M6x8 | 5 |
| TK-A1075 | M84x2   | 34 | 9  | 80 | 75 | 110 | 12  | 40 | RC1/2 | 81 | 108 | 121 | 164 | 10   | 98 | 160 | 98 | M6x12 | 155 | M6x8 | 5 |
| TK-A1078 | M84x2   | 34 | 9  | 82 | 78 | 110 | 12  | 40 | RC1/2 | 81 | 108 | 121 | 164 | 10   | 98 | 160 | 98 | M6x12 | 155 | M6x8 | 5 |



- 超短・大孔徑型迴轉油壓缸・全長僅為從來型的2/3。
- 內建逆止閥自鎖機構及壓力洩壓閥。
- 安裝時可由後端鎖固之。
- Super short form, light weight large Through-Hole, just as 2/3 of typical model length.
- Built-in safety check valves and pressure relief valves.
- Can screw it from the rear end of the cylinder when mounting.
- 可附加線性定位系統機構。(選購品)
- Linear sensor can be attached.(optional)



保留規格修改的權利  
Subject to technical changes



#### 技術規格 SPECIFICATIONS

| 型號          | 活塞面積 Eff. piston area |                 | 行程            | 最高迴轉數                      | 最高使用壓力                    | I                 | 重量     | 總洩漏量              |
|-------------|-----------------------|-----------------|---------------|----------------------------|---------------------------|-------------------|--------|-------------------|
| Model       | 伸側(Extend)            | 拉側(Retract)     | Piston stroke | Max. speed                 | Max. pressure             | Moment of inertia | Weight | Total oil leakage |
|             | cm <sup>2</sup>       | cm <sup>2</sup> | mm            | min <sup>-1</sup> (r.p.m.) | MPa(kgf/cm <sup>2</sup> ) | kg-m <sup>2</sup> | kg     | lit. / min.       |
| TK-A1287    | 234.0                 | 217.5           | 30            | 3800                       | 4.0 (40)                  | 0.092             | 24.8   | 4.5               |
| TK-A1291    | 234.0                 | 217.5           | 30            | 3800                       | 4.0 (40)                  | 0.092             | 24.8   | 4.5               |
| TK-A1511    | 336.4                 | 315.2           | 30            | 3000                       | 3.5(35)                   | 0.38              | 57.9   | 7.0               |
| TK-A1512    | 336.4                 | 315.2           | 30            | 3000                       | 3.5(35)                   | 0.38              | 53.8   | 7.0               |
| TK-A1512-35 | 336.4                 | 315.2           | 35            | 3000                       | 3.5(35)                   | 0.38              | 53.8   | 7.0               |
| TK-2114     | 373.2                 | 336.1           | 35            | 2500                       | 3.0 (30)                  | 0.54              | 58.2   | 8.0               |

#### 外型尺寸 DIMENSIONS

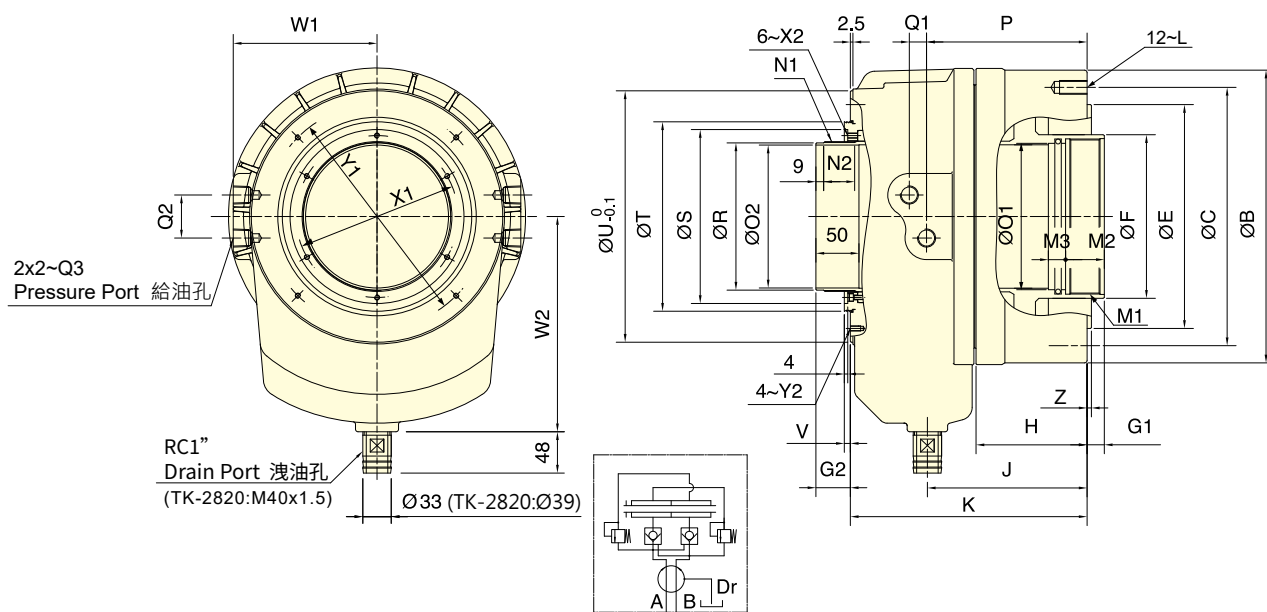
| Model       | A       | B   | C   | D   | E   | F   | G1   |      | G2   |      | H   | J     | K     | L      | L1      | L2   | M1     | M2 | M3 | N1     |
|-------------|---------|-----|-----|-----|-----|-----|------|------|------|------|-----|-------|-------|--------|---------|------|--------|----|----|--------|
|             | 內徑 I.D. |     |     |     | h7  |     | max. | min. | max. | min. |     |       |       |        |         |      |        |    |    |        |
| TK-A1287    | 200     | 245 | 215 | 225 | 180 | 110 | 30   | 0    | 59   | 29   | 86  | 126   | 184   | M12x24 | M10x90  | 14.5 | M95x2  | 35 | 15 | M99x2  |
| TK-A1291    | 200     | 245 | 215 | 225 | 180 | 110 | 30   | 0    | 59   | 29   | 86  | 126   | 184   | M12x24 | M10x90  | 14.5 | M100x2 | 35 | 15 | M99x2  |
| TK-A1511    | 250     | 300 | 275 | 275 | 230 | 140 | 30   | 0    | 58   | 28   | 102 | 156   | 226   | M16x36 | M12x110 | 21   | M120x2 | 45 | 15 | M129x2 |
| TK-A1512    | 250     | 300 | 275 | 275 | 230 | 140 | 30   | 0    | 58   | 28   | 102 | 156   | 226   | M16x36 | M12x110 | 21   | M130x2 | 45 | 15 | M129x2 |
| TK-A1512-35 | 250     | 300 | 275 | 275 | 230 | 140 | 35   | 0    | 63   | 28   | 102 | 161   | 231   | M16x36 | M12x115 | 21   | M130x2 | 45 | 15 | M129x2 |
| TK-2114     | 265     | 320 | 295 | 295 | 240 | 165 | 35   | 0    | 60   | 25   | 115 | 173.5 | 247.5 | M16x32 | M12x120 | 17.5 | M155x2 | 45 | 20 | M149x2 |

| Model       | N2 | N3 | O1 H8 | O2 H8 | P      | Q1 | Q2 | Q3    | R g7 | S H7 | T   | U   | V | W1  | W2  | X1  | X2    | Y1  | Y2    | Z |
|-------------|----|----|-------|-------|--------|----|----|-------|------|------|-----|-----|---|-----|-----|-----|-------|-----|-------|---|
| TK-A1287    | 38 | 9  | 90    | 87    | 127.5  | 15 | 45 | RC1/2 | 96   | 120  | 138 | 180 | 7 | 110 | 185 | 108 | M6x10 | 165 | M6x10 | 5 |
| TK-A1291    | 38 | 9  | 95    | 91    | 127.5  | 15 | 45 | RC1/2 | 96   | 120  | 138 | 180 | 7 | 110 | 185 | 108 | M6x10 | 165 | M6x10 | 5 |
| TK-A1511    | 38 | 9  | 115   | 110   | 153.75 | 17 | 50 | RC1/2 | 126  | 150  | 170 | 227 | 7 | 134 | 210 | 138 | M6x10 | 210 | M6x9  | 6 |
| TK-A1512    | 38 | 9  | 125   | 120   | 153.75 | 17 | 50 | RC1/2 | 126  | 150  | 170 | 227 | 7 | 134 | 210 | 138 | M6x10 | 210 | M6x9  | 6 |
| TK-A1512-35 | 38 | 9  | 125   | 120   | 158.75 | 17 | 50 | RC1/2 | 126  | 150  | 170 | 227 | 7 | 134 | 210 | 138 | M6x10 | 210 | M6x9  | 6 |
| TK-2114     | 38 | 9  | 145   | 140   | 170    | 17 | 50 | RC1/2 | 146  | 170  | 190 | 250 | 7 | 145 | 210 | 160 | M6x10 | 230 | M6x10 | 6 |

\* 集水盒及行程確認裝置請參閱零附件頁面。 \*Coolant Collector and Confirmation Device Please See Accessories pages.



- 全新短型設計・大孔徑型迴轉油壓缸。
- 內建逆止閥自鎖機構及壓力洩壓閥。
- New design, short form, light weight large through-hole.
- Built-in safety check valves and pressure relief valves.
- 可附加線性定位系統機構。(選購品)
- Linear sensor can be attached.(optional)



保留規格修改的權利  
Subject to technical changes

#### 技術規格 SPECIFICATIONS

| 型號       | 活塞面積 Eff. piston area |                 | 行程            | 最高迴轉數                      | 最高使用壓力                    | I                 | 重量     | 總洩漏量              |
|----------|-----------------------|-----------------|---------------|----------------------------|---------------------------|-------------------|--------|-------------------|
| Model    | 伸側(Extend)            | 拉側(Retract)     | Piston stroke | Max. speed                 | Max. pressure             | Moment of inertia | Weight | Total oil leakage |
|          | cm <sup>2</sup>       | cm <sup>2</sup> | mm            | min <sup>-1</sup> (r.p.m.) | MPa(kgf/cm <sup>2</sup> ) | kg·m <sup>2</sup> | kg     | lit. / min.       |
| TK-2416  | 418.4                 | 375.4           | 35            | 2000                       | 3.0 (30)                  | 1.12              | 78.0   | 9.0               |
| TK-2416L | 418.4                 | 375.4           | 51            | 2000                       | 3.0 (30)                  | 1.31              | 79.2   | 9.0               |
| TK-2820  | 526.2                 | 472.6           | 51            | 1600                       | 3.0 (30)                  | 2.4               | 134.0  | 10.0              |

#### 外型尺寸 DIMENSIONS

| Model    | A      | B   | C   | E   | F   | G1   |      | G2   |      | H   | J     | K   | L      | M1     | M2 | M3 | N1     | N2 |
|----------|--------|-----|-----|-----|-----|------|------|------|------|-----|-------|-----|--------|--------|----|----|--------|----|
|          | 內徑I.D. |     |     | h7  |     | max. | min. | max. | min. |     |       |     |        |        |    |    |        |    |
| TK-2416  | 290    | 340 | 300 | 260 | 190 | 35   | 0    | 60   | 25   | 129 | 185.5 | 275 | M16x32 | M180x3 | 45 | 20 | M174x2 | 38 |
| TK-2416L | 290    | 340 | 300 | 260 | 190 | 51   | 0    | 76   | 25   | 145 | 201.5 | 291 | M16x32 | M180x3 | 45 | 20 | M174x2 | 52 |
| TK-2820  | 340    | 395 | 360 | 320 | 235 | 51   | 0    | 76   | 25   | 152 | 212.5 | 316 | M20x40 | M220x3 | 45 | 20 | M218x2 | 52 |

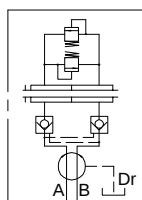
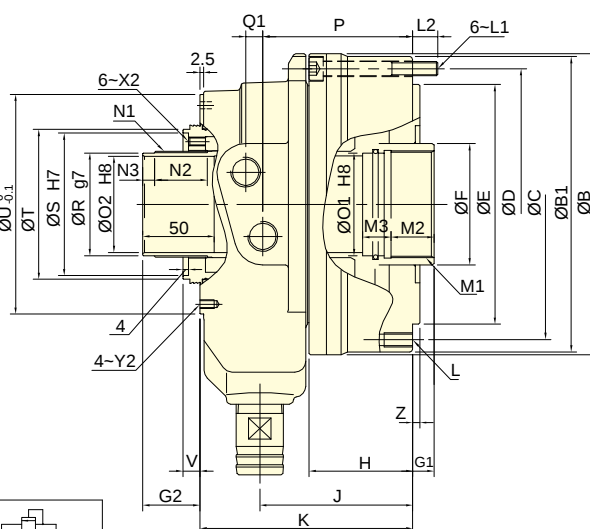
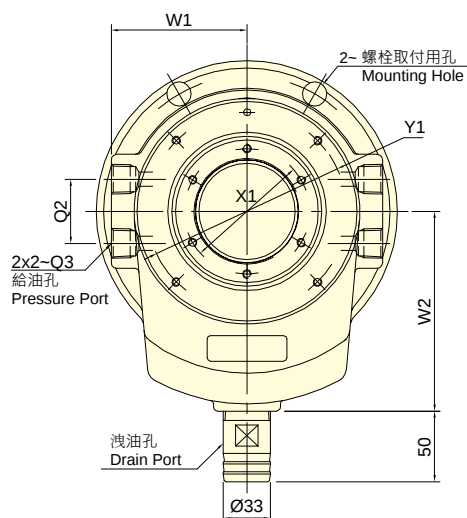
  

| Model    | O1  | O2  | P     | Q1 | Q2 | Q3    | R   | S   | T   | U   | V | W1    | W2  | X1  | X2    | Y1  | Y2    | Z |
|----------|-----|-----|-------|----|----|-------|-----|-----|-----|-----|---|-------|-----|-----|-------|-----|-------|---|
|          | H8  | H8  |       |    |    |       | g7  | H7  |     |     |   |       |     |     |       |     |       |   |
| TK-2416  | 170 | 166 | 186.5 | 20 | 50 | RC1/2 | 171 | 202 | 220 | 292 | 7 | 167   | 250 | 188 | M6x11 | 260 | M6x12 | 5 |
| TK-2416L | 170 | 166 | 202.5 | 20 | 50 | RC1/2 | 171 | 202 | 220 | 292 | 7 | 167   | 250 | 188 | M6x11 | 260 | M6x12 | 6 |
| TK-2820  | 210 | 205 | 216   | 21 | 50 | RC1/2 | 215 | 262 | 285 | 360 | 7 | 202.5 | 300 | 240 | M6x12 | 320 | M6x12 | 6 |



- 全新短型設計，超大孔徑型迴轉油壓缸。
- 超大孔徑的貫通孔徑設計使加工物之貫通孔徑的範圍增大。
- 內建逆止閥自鎖機構及壓力洩壓閥。
- 安裝時可由後端鎖固之。
- Bigger bore through-hole design. Super short form, light weighted.
- Built-in safety check valves and pressure relief valves.
- Front/Rear end mounting.

- 可選購 Ø40 或 Ø60 加大排水管接頭。
- 可附加線性定位系統機構。(選購品)
- Diameter of coolant collector's drain port is optional.  
Default : Ø33 ; optional : Ø40, Ø60.
- Linear sensor can be attached.(optional)



保留規格修改的權利  
Subject to technical changes

#### 技術規格 SPECIFICATIONS

| 型號      | 活塞面積 Eff. piston area |                 | 行程            | 最高迴轉數      | 最高使用壓力        | I                 | 重量     | 總洩漏量              |
|---------|-----------------------|-----------------|---------------|------------|---------------|-------------------|--------|-------------------|
| Model   | 伸側(Extend)            | 拉側(Retract)     | Piston stroke | Max. speed | Max. pressure | Moment of inertia | Weight | Total oil leakage |
|         | cm <sup>2</sup>       | cm <sup>2</sup> |               |            |               |                   |        |                   |
| TS-539  | 72.4                  | 67.1            | 15            | 8000       | 4.5(45)       | 0.012             | 6.9    | 3.0               |
| TS-866  | 168.0                 | 155.5           | 25            | 5600       | 4.5(45)       | 0.056             | 16.3   | 4.0               |
| TS-1081 | 189.2                 | 174.3           | 25            | 4800       | 4.5(45)       | 0.085             | 21.2   | 4.3               |
| TS-1210 | 231.7                 | 222.0           | 30            | 3500       | 3.5(35)       | 0.193             | 35.6   | 6.0               |

#### 外型尺寸 DIMENSIONS

| Model   | A       | B   | B1  | C   | D   | E   | F   | G1   |      | G2   |      | H    | J     | K     | L         | L1      | L2   | M1      | M2 | M3 |
|---------|---------|-----|-----|-----|-----|-----|-----|------|------|------|------|------|-------|-------|-----------|---------|------|---------|----|----|
|         | 內徑 I.D. |     |     |     |     | h7  |     | max. | min. | max. | min. |      |       |       |           |         |      |         |    |    |
| TS-539  | 107     | 143 | 141 | 125 | 125 | 110 | 52  | 15   | 0    | 42.5 | 27.5 | 57   | 91    | 124   | 6-M10x20  | M8x60   | 12   | M45x1.5 | 25 | 12 |
| TS-866  | 165     | 211 | 207 | 190 | 190 | 168 | 85  | 25   | 0    | 55   | 30   | 72.5 | 107   | 149   | 12-M10x20 | M10x80  | 17.5 | M75x2   | 35 | 15 |
| TS-1081 | 180     | 226 | 222 | 205 | 205 | 168 | 100 | 25   | 0    | 58   | 33   | 74   | 115   | 166   | 12-M10x20 | M10x90  | 18   | M90x2   | 35 | 15 |
| TS-1210 | 210     | 263 | 260 | 240 | 240 | 200 | 125 | 30   | 0    | 64   | 34   | 93.5 | 136.5 | 193.5 | 12-M10x20 | M12x100 | 20   | M115x2  | 35 | 15 |

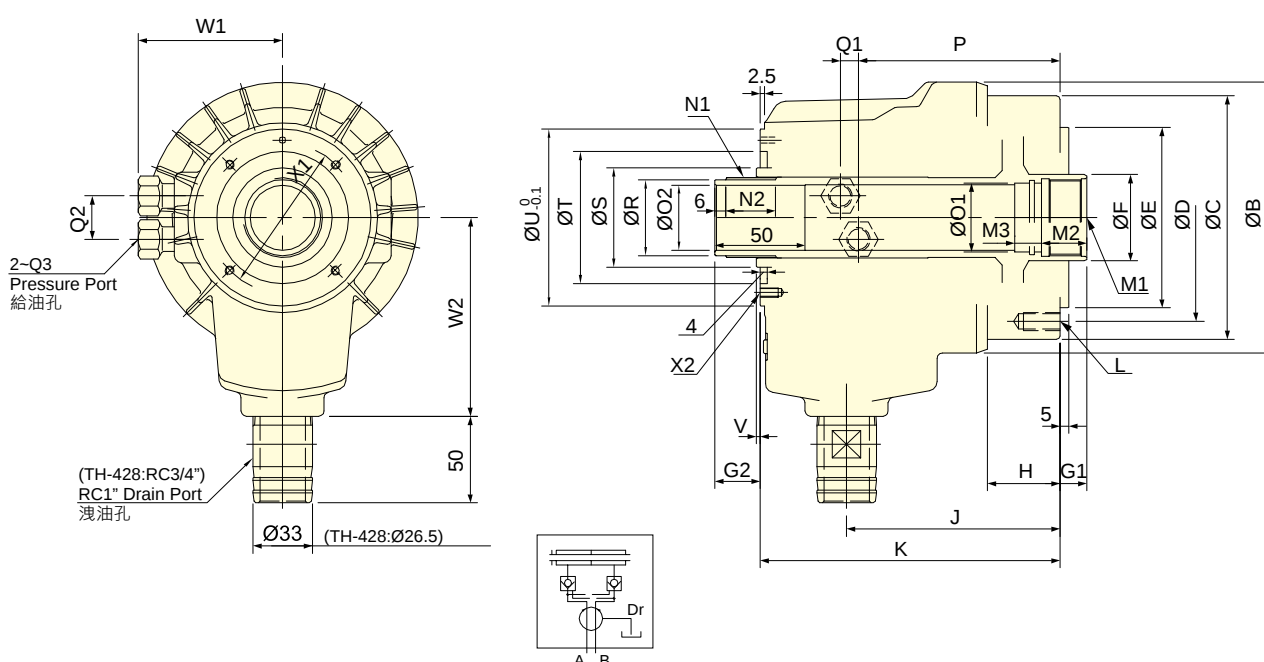
  

| Model   | N1       | N2 | N3 | O1 (H8) | O2 (H8) | P   | Q1  | Q2 | Q3    | R (g7) | S (H7) | T   | U   | V  | W1   | W2  | X1  | X2    | Y1  | Y2    | Z |
|---------|----------|----|----|---------|---------|-----|-----|----|-------|--------|--------|-----|-----|----|------|-----|-----|-------|-----|-------|---|
|         |          |    |    |         |         |     |     |    |       |        |        |     |     |    |      |     |     |       |     |       |   |
| TS-539  | M44x1.5  | 26 | 8  | 42      | 39      | 85  | 8.5 | 30 | RC1/4 | 42     | 69     | 72  | 103 | 10 | 62.5 | 100 | 54  | M6x10 | 90  | M5x12 | 5 |
| TS-866  | M74x1.5  | 37 | 8  | 72      | 66.5    | 105 | 12  | 45 | RC1/2 | 72     | 100    | 111 | 154 | 12 | 95   | 140 | 88  | M6x12 | 140 | M6x10 | 5 |
| TS-1081 | M89x2.0  | 38 | 9  | 85      | 81      | 109 | 15  | 45 | RC1/2 | 86     | 113    | 123 | 175 | 16 | 103  | 160 | 103 | M6x12 | 160 | M6x10 | 5 |
| TS-1210 | M118x2.0 | 47 | 9  | 110     | 106     | 131 | 16  | 46 | RC1/2 | 115    | 145    | 151 | 210 | 16 | 103  | 160 | 133 | M6x12 | 195 | M6x11 | 5 |

\* 集水盒及行程確認裝置請參閱零件頁面。 \*Coolant Collector and Confirmation Device. Please See Accessories pages.



- 超高速・輕量・大孔徑型迴轉油壓缸。
- 內建逆止閥自鎖機構，可防止壓力源故障或配管部損傷時，確保壓力不致遽降，而能持續穩固的夾持工作物。
- Super high speed, light weight large Through-Hole.
- Built-in check valve which prevents the internal pressure from sudden declining so that the workpiece will not fly out and cause a serious accident.
- 可附加線性定位系統機構。(選購品)
- Linear sensor can be attached.(optional)



保留規格修改的權利  
Subject to technical changes

### 技術規格 SPECIFICATIONS

| 型號      | 活塞面積 Eff. piston area |                 | 行程            | 最高迴轉數                      | 最高使用壓力                   | I                 | 重量     | 總洩漏量              |
|---------|-----------------------|-----------------|---------------|----------------------------|--------------------------|-------------------|--------|-------------------|
| Model   | 伸側(Extend)            | 拉側(Retract)     | Piston stroke | Max. speed                 | Max. pressure            | Moment of inertia | Weight | Total oil leakage |
|         | cm <sup>2</sup>       | cm <sup>2</sup> | mm            | min <sup>-1</sup> (r.p.m.) | MPa(kg/cm <sup>2</sup> ) | kg-m <sup>2</sup> | kg     | lit. / min.       |
| TH-428  | 53.2                  | 50.5            | 10            | 8000                       | 4.0(40)                  | 0.008             | 5.8    | 3.0               |
| TH-A536 | 69.8                  | 67.5            | 15            | 8000                       | 4.0(40)                  | 0.05              | 8.3    | 3.0               |

### 外型尺寸 DIMENSIONS

| Model   | A<br>內徑<br>I.D. | B   | C   | D   | E<br>(h7) | F  | G1<br>max. | G1<br>min. | G2<br>max. | G2<br>min. | H  | J     | K   | L        | M1      | M2 | M3 |
|---------|-----------------|-----|-----|-----|-----------|----|------------|------------|------------|------------|----|-------|-----|----------|---------|----|----|
| TH-428  | 90              | 130 | 120 | 100 | 80        | 40 | 10         | 0          | 35         | 25         | 45 | 127.5 | 155 | 6-M8x15  | M33x1.5 | 25 | 12 |
| TH-A536 | 105             | 150 | 135 | 115 | 100       | 48 | 15         | 0          | 40         | 25         | 40 | 118   | 166 | 6-M10x20 | M42x1.5 | 25 | 15 |

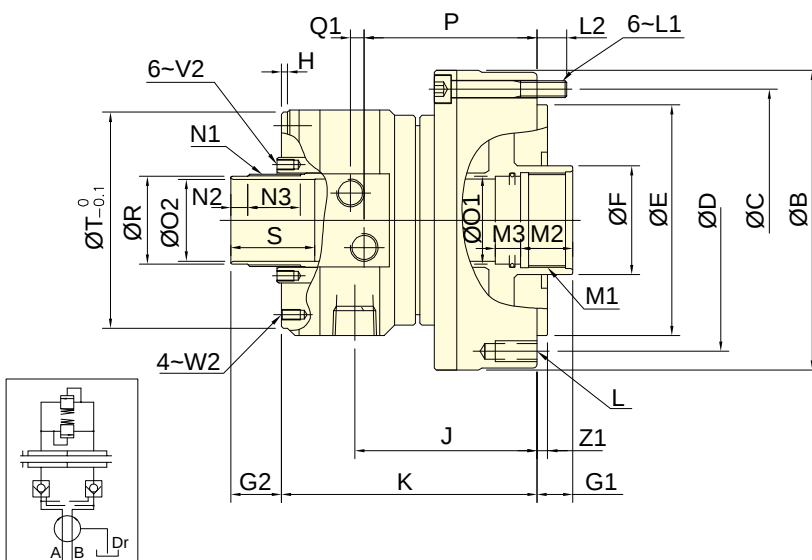
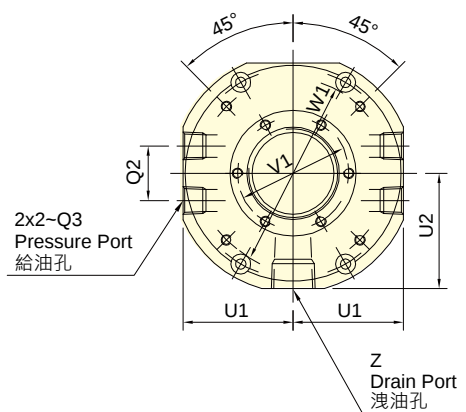
  

| Model   | N1      | N2 | O1<br>(H8) | O2<br>(H8) | P     | Q1 | Q2 | Q3    | R<br>(g7) | S  | T  | U  | V | W1 | W2  | X1 | X2    |
|---------|---------|----|------------|------------|-------|----|----|-------|-----------|----|----|----|---|----|-----|----|-------|
| TH-428  | M34x1.5 | 26 | 30         | 28         | 101.5 | 11 | 24 | RC1/4 | 32        | 45 | 65 | 86 | 4 | 72 | 105 | 76 | M4x7  |
| TH-A536 | M44x1.5 | 28 | 38         | 36         | 111.5 | 10 | 24 | RC1/4 | 42        | 55 | 73 | 98 | 4 | 80 | 110 | 83 | M5x10 |

\* 集水盒及行程確認裝置請參閱零附件頁面。 \*Coolant Collector and Confirmation Device Please See Accessories pages.



- 外型短小精巧、重量輕巧，節省安裝空間。
- 內建逆止閥與洩壓閥，提供完善的安全保護。
- 大給油孔與大洩油孔設計，供油量充足、排油順暢。
- 支援前鎖與後鎖兩種安裝方式，空間配置更具彈性。
- 適用於立式與臥式主軸加工設備。
- Compact short-length design with lightweight construction for space-saving installation.
- Built-in check valve and pressure relief valve ensure enhanced operational safety.
- Large oil inlet and drain ports provide high oil flow and smooth drainage.
- Supports both front-end and rear-end mounting for flexible installation options.
- Suitable for use with both vertical and horizontal spindles.
- 可附加線性定位系統機構。(選購品)
- Linear sensor can be attached.(optional)



保留規格修改的權利  
Subject to technical changes

### 技術規格 SPECIFICATIONS

| 型號      | 活塞面積 Eff. piston area |                 | 行程            | 最高迴轉數      | 最高使用壓力        | I                 | 重量     | 總洩漏量              |
|---------|-----------------------|-----------------|---------------|------------|---------------|-------------------|--------|-------------------|
| Model   | 押側(Extend)            | 拉側(Retract)     | Piston stroke | Max. speed | Max. pressure | Moment of inertia | Weight | Total oil leakage |
|         | cm <sup>2</sup>       | cm <sup>2</sup> |               |            |               |                   |        |                   |
| TR-433  | 49.5                  | 45.4            | 10            | 8000       | 4.0(40)       | 0.010             | 6.8    | 3.0               |
| TR-536  | 56.4                  | 54.2            | 15            | 8000       | 4.0(40)       | 0.011             | 6.4    | 3.0               |
| TR-539  | 72.4                  | 67.1            | 15            | 8000       | 4.0(40)       | 0.010             | 6.8    | 3.0               |
| TR-A646 | 105                   | 93.9            | 15            | 7000       | 4.0(40)       | 0.015             | 9.5    | 3.0               |
| TR-B646 | 105                   | 93.9            | 15            | 7000       | 4.0(40)       | 0.015             | 10     | 3.0               |
| TR-853  | 135.3                 | 125             | 20            | 6300       | 4.0(40)       | 0.032             | 11.5   | 3.9               |
| TR-1075 | 170                   | 155             | 25            | 4500       | 4.0(40)       | 0.065             | 18     | 4.2               |
| TR-1291 | 234                   | 217.5           | 30            | 3500       | 4.0(40)       | 0.092             | 29.5   | 4.5               |

\* 集水盒及行程確認裝置請參閱零附件頁面。\*Coolant Collector and Confirmation Device Please See Accessories pages.

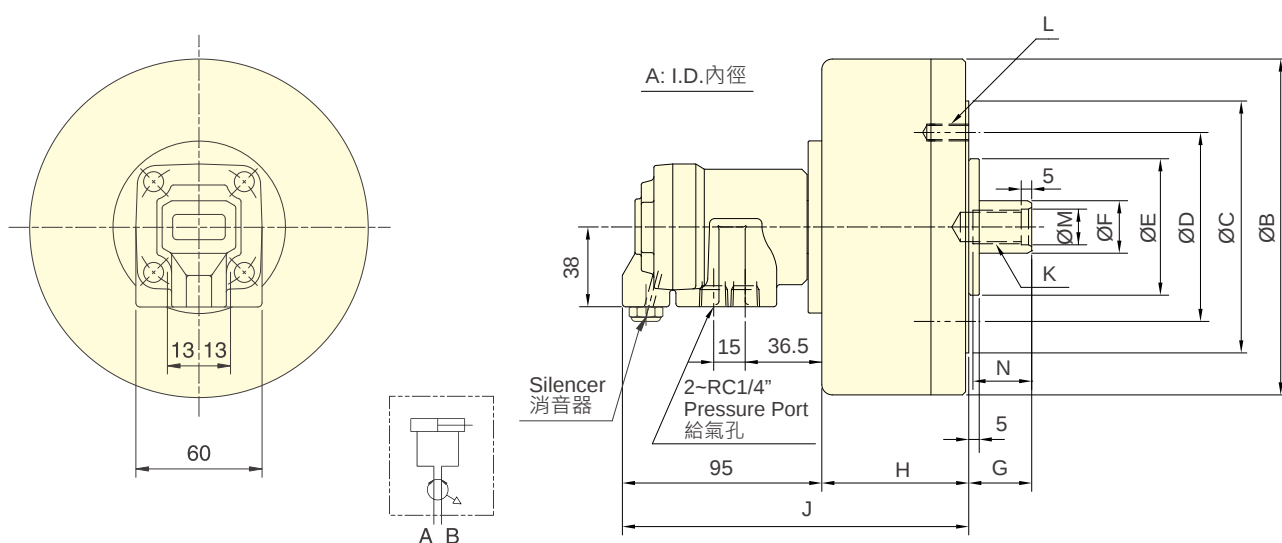
### 外型尺寸 DIMENSIONS

| Model   | A          | B   | C   | D   | E   | F   | G1   |      | G2   |      | H   | J     | K     | L         | L1     | L2   | M1      | M2 | M3 |
|---------|------------|-----|-----|-----|-----|-----|------|------|------|------|-----|-------|-------|-----------|--------|------|---------|----|----|
|         | 內徑<br>I.D. |     |     |     | h7  |     | max. | min. | max. | min. |     |       |       |           |        |      |         |    |    |
| TR-433  | 90         | 120 | 106 | 100 | 80  | 46  | 10   | 0    | 30   | 20   | 3.5 | 97    | 133   | 6-M8x15   | M8x60  | 12   | M40x1.5 | 25 | 10 |
| TR-536  | 97         | 133 | 115 | 115 | 100 | 48  | 15   | 0    | 34   | 19   | 3.5 | 97    | 133   | 6-M10x20  | M8x60  | 12   | M42x1.5 | 25 | 15 |
| TR-539  | 107        | 143 | 125 | 125 | 110 | 52  | 15   | 0    | 34   | 19   | 4   | 97    | 133   | 6-M10x20  | M8x60  | 12   | M45x1.5 | 25 | 12 |
| TR-A646 | 128        | 165 | 147 | 147 | 130 | 65  | 15   | 0    | 34   | 19   | 3.5 | 97    | 135   | 12-M10x20 | M8x60  | 11.5 | M55x2   | 25 | 13 |
| TR-B646 | 128        | 162 | 147 | 130 | 100 | 65  | 15   | 0    | 34   | 19   | 3.5 | 107.5 | 145   | 12-M10x20 | M8x70  | 11.5 | M55x2   | 30 | 15 |
| TR-853  | 145        | 185 | 165 | 170 | 130 | 70  | 20   | 0    | 47   | 27   | 4.5 | 118.5 | 160   | 12-M10x20 | M8x75  | 12   | M60x2   | 30 | 15 |
| TR-1075 | 170        | 212 | 190 | 190 | 160 | 95  | 25   | 0    | 52   | 27   | 4.5 | 129.5 | 181   | 12-M10x20 | M10x85 | 16   | M85x2   | 35 | 15 |
| TR-1291 | 200        | 248 | 225 | 215 | 180 | 110 | 30   | 0    | 59   | 29   | 5   | 146   | 240.5 | 12-M12x24 | M10x95 | 16   | M100x2  | 35 | 15 |

| Model   | N1      | N2 | N3 | O1<br>H8 | O2<br>H8 | P     | Q1  | Q2 | Q3     | R<br>g7 | S  | T   | U1   | U2 | V1    | V2    | W1  | W2    | Z      | Z1 |
|---------|---------|----|----|----------|----------|-------|-----|----|--------|---------|----|-----|------|----|-------|-------|-----|-------|--------|----|
|         |         |    |    |          |          |       |     |    |        |         |    |     |      |    |       |       |     |       |        |    |
| TR-433  | M39x1.5 | 8  | 25 | 36       | 33       | 92.5  | 6.5 | 26 | RC1/4  | 37      | 40 | 98  | 52.5 | 55 | 50    | M5x8  | 83  | M5x9  | RC1/2  | 5  |
| TR-536  | M44x1.5 | 6  | 28 | 38       | 36       | 92.5  | 6.5 | 26 | RC1/4  | 42      | 43 | 98  | 52.5 | 55 | 53    | M5x8  | 83  | M5x7  | RC1/2  | 5  |
| TR-539  | M44x1.5 | 8  | 25 | 42       | 39       | 92.5  | 6.5 | 26 | RC1/4  | 42      | 40 | 103 | 52.5 | 55 | 53    | M5x8  | 90  | M5x9  | RC1/2  | 5  |
| TR-A646 | M52x1.5 | 8  | 25 | 50       | 46       | 95    | 5   | 32 | RC3/8  | 50      | 50 | 116 | 59   | 62 | 61.5  | M5x9  | 98  | M5x9  | RC1/2  | 5  |
| TR-B646 | M52x1.5 | 8  | 30 | 50       | 46       | 105   | 5   | 32 | RC3/8  | 50      | 50 | 116 | 59   | 62 | 61.5  | M5x8  | 98  | M5x9  | RC1/2  | 5  |
| TR-853  | M58x1.5 | 8  | 30 | 55       | 53       | 114   | 8   | 34 | RC 3/8 | 56      | 50 | 128 | 65   | 67 | 70    | M5x10 | 110 | M6x11 | RC 1/2 | 5  |
| TR-1075 | M84x2   | 9  | 33 | 80       | 75       | 123.5 | 12  | 40 | RC 1/2 | 81      | 50 | 164 | 83   | 86 | 95    | M5x10 | 155 | M6x11 | RC 3/4 | 5  |
| TR-1291 | M99x2   | 9  | 38 | 95       | 91       | 139   | 14  | 45 | RC1/2  | 96      | 50 | 180 | 91.5 | 93 | 110.5 | M6x12 | 165 | M6x12 | RC3/4  | 5  |



- 迴轉閥體與缸體皆採用特殊輕合金製造而成，重量輕。
- 迴轉閥經特殊設計，能使壓縮空氣的消耗量大量減少，充分發揮高經濟效益。
- The rotary valve and cylinder body, all made of special light alloy, are lightweight.
- Through unique design, the rotary valve can considerably reduce the waste in compressing air and efficiently increase its utilization.
- 使用時，請混入微量的油霧。
- When used, a little oil mist should be contained.



保留規格修改的權利  
Subject to technical changes

## 技術規格 SPECIFICATIONS

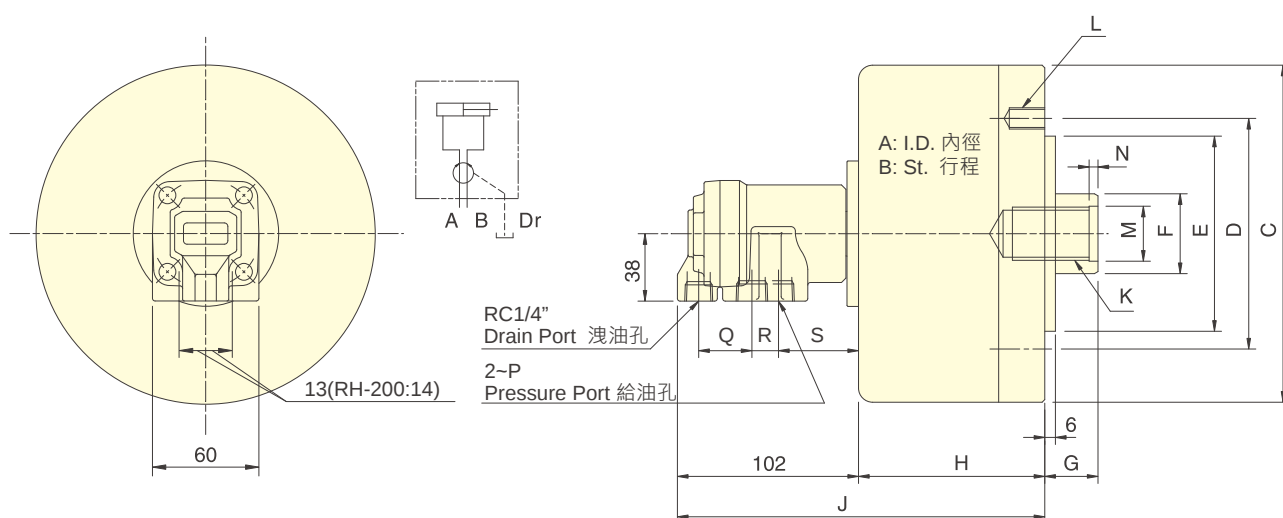
| 型號            | 活塞面積 Eff. piston area |             | 行程            | 最高迴轉數                      | 最高使用壓力        | I                 | 重量     | 空氣洩漏量                  |
|---------------|-----------------------|-------------|---------------|----------------------------|---------------|-------------------|--------|------------------------|
| Model         | 伸側(Extend)            | 拉側(Retract) | Piston stroke | Max. speed                 | Max. pressure | Moment of inertia | Weight | Air Leakage( 6kgf/cm²) |
|               | cm²                   | cm²         | mm            | min <sup>-1</sup> (r.p.m.) | MPa(kgf/cm²)  | kg·m²             | kg     | cc/sec                 |
| <b>RA-100</b> | 77.0                  | 74.4        | 15            | 6000                       | 0.8(8)        | 0.03              | 3.9    | 400                    |
| <b>RA-130</b> | 131.2                 | 124.7       | 15            | 5000                       | 0.8(8)        | 0.05              | 5.2    | 400                    |
| <b>RA-170</b> | 225.4                 | 219.0       | 20            | 5000                       | 0.8(8)        | 0.18              | 8.5    | 400                    |
| <b>RA-220</b> | 378.6                 | 369.3       | 25            | 4000                       | 0.8(8)        | 0.36              | 14.5   | 400                    |
| <b>RA-270</b> | 571.0                 | 562.9       | 30            | 3000                       | 0.8(8)        | 0.75              | 18.4   | 400                    |

## 外型尺寸 DIMENSIONS

| Model  | A   | B   | C   | D   | E<br>(h7) | F  | G<br>max. | G<br>min. | H   | J   | K        | L        | M (H8) | N  |
|--------|-----|-----|-----|-----|-----------|----|-----------|-----------|-----|-----|----------|----------|--------|----|
| RA-100 | 100 | 130 | -   | 80  | 60        | 22 | 50        | 35        | 65  | 160 | M12x1.75 | 6-M8x16  | 13     | 25 |
| RA-130 | 130 | 160 | 120 | 90  | 65        | 25 | 45        | 30        | 70  | 165 | M16x2.0  | 6-M8x16  | 17     | 30 |
| RA-170 | 170 | 200 | 140 | 100 | 80        | 25 | 45        | 25        | 85  | 180 | M16x2.0  | 6-M10x18 | 17     | 30 |
| RA-220 | 220 | 255 | 170 | 130 | 110       | 30 | 50        | 25        | 91  | 186 | M20x2.5  | 6-M12x20 | 21     | 35 |
| RA-270 | 270 | 305 | 190 | 130 | 110       | 35 | 55        | 25        | 105 | 200 | M24x3.0  | 6-M12x20 | 25     | 40 |



- 迴轉閥體與缸體皆採用特殊輕合金製造而成，重量輕。
- 迴轉閥經特殊設計，使得內部的軸承能充分的潤滑及冷卻，而能耐高速迴轉，增長壽命。
- The rotary valve and cylinder body, all made of special light alloy, light-weight.
- Through unique design, the rotary valve enables the inside bearing to get sufficient lubricating and cooling and endure high-speed rotary for longer service life.
- 洩油孔配管務必單獨接回油壓槽，以避免產生背壓。
- The drain port should be independently connected to oil tank to avoid back pressure.



保留規格修改的權利  
Subject to technical changes

#### 技術規格 SPECIFICATIONS

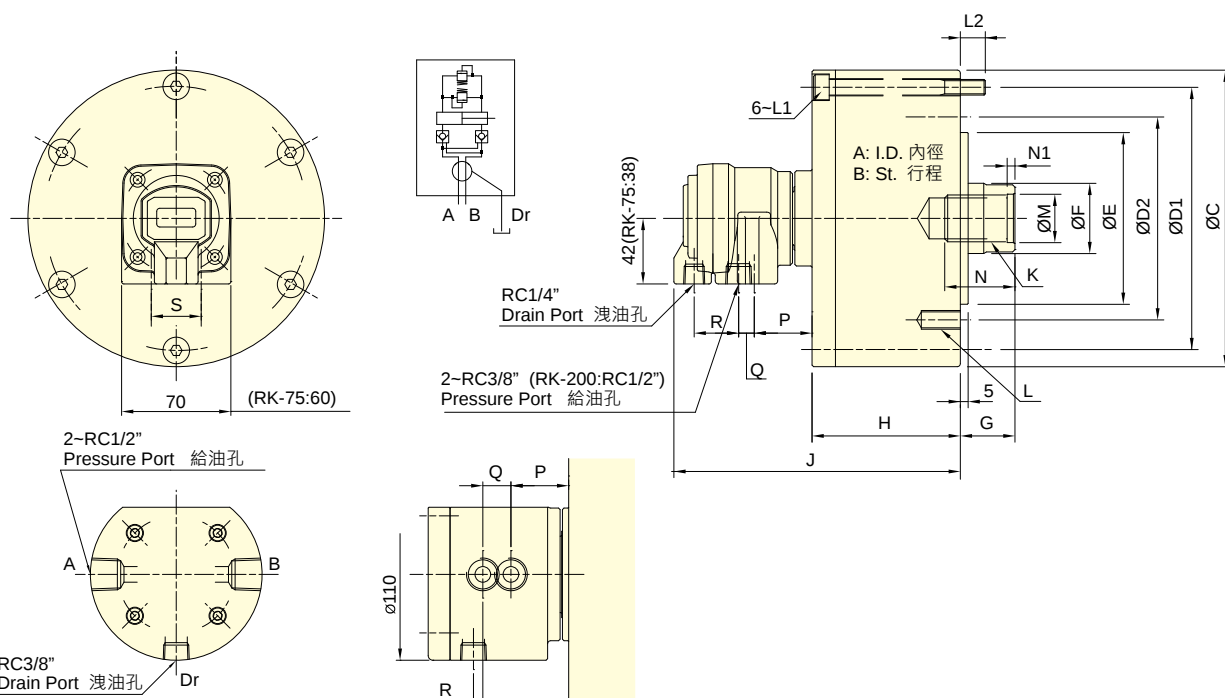
| 型號            | 活塞面積 Eff. piston area |                 | 行程            | 最高迴轉數                      | 最高使用壓力                    | I                 | 重量     |
|---------------|-----------------------|-----------------|---------------|----------------------------|---------------------------|-------------------|--------|
| Model         | 押側(Extend)            | 拉側(Retract)     | Piston stroke | Max. speed                 | Max. pressure             | Moment of inertia | Weight |
|               | cm <sup>2</sup>       | cm <sup>2</sup> | mm            | min <sup>-1</sup> (r.p.m.) | MPa(kgf/cm <sup>2</sup> ) | kg·m <sup>2</sup> | kg     |
| <b>RH-65</b>  | 31.0                  | 27.9            | 15            | 6000                       | 3.5(35)                   | 0.01              | 2.9    |
| <b>RH-80</b>  | 47.7                  | 42.8            | 15            | 6000                       | 3.5(35)                   | 0.01              | 3.4    |
| <b>RH-100</b> | 75.4                  | 70.5            | 20            | 5500                       | 3.5(35)                   | 0.04              | 4.9    |
| <b>RH-125</b> | 119.6                 | 112.5           | 25            | 5500                       | 3.5(35)                   | 0.08              | 6.8    |
| <b>RH-200</b> | 310.0                 | 286.3           | 35            | 4000                       | 4.0(40)                   | 0.38              | 20.4   |

#### 外型尺寸 DIMENSIONS

| Model         | A   | B  | C   | D   | E (h7) | F  | G max. | G min. | H    | J     | K           | L         | M (H8) | N | P     | Q  | R  | S  |
|---------------|-----|----|-----|-----|--------|----|--------|--------|------|-------|-------------|-----------|--------|---|-------|----|----|----|
| <b>RH-65</b>  | 65  | 15 | 98  | 80  | 60     | 22 | 45     | 30     | 73   | 175   | M12x1.75x30 | 6~M8x16   | 14     | 4 | RC3/8 | 30 | 15 | 45 |
| <b>RH-80</b>  | 80  | 15 | 112 | 90  | 65     | 25 | 45     | 30     | 74   | 176   | M16x2.0x30  | 6~M8x16   | 17     | 4 | RC3/8 | 30 | 15 | 45 |
| <b>RH-100</b> | 100 | 20 | 135 | 100 | 80     | 25 | 45     | 25     | 88.5 | 190.5 | M16x2.0x30  | 6~M10x20  | 17     | 4 | RC3/8 | 30 | 15 | 45 |
| <b>RH-125</b> | 125 | 25 | 160 | 130 | 110    | 30 | 50     | 25     | 95.5 | 197.5 | M20x2.5x35  | 6~M12x20  | 21     | 4 | RC3/8 | 30 | 15 | 45 |
| <b>RH-200</b> | 200 | 35 | 245 | 145 | 120    | 55 | 70     | 35     | 130  | 232   | M36x4       | 12~M16x30 | 38     | 5 | RC1/2 | 31 | 16 | 43 |



- 短型・高速・輕量型迴轉油壓缸。
- 內建逆止閥自鎖機構及壓力洩壓閥。
- 安裝時可由後端鎖固之。
- For short form, light weight and high speed rotary cylinder.
- Built-in safety check valves and pressure relief valves.
- Can screw it from the rear end of the cylinder when mounting.
- 洩油孔配管務必單獨接回油壓槽，以避免產生背壓。
- The drain port should be independently connected to oil tank to avoid back pressure.



保留規格修改的權利  
Subject to technical changes

RK-250

### 技術規格 SPECIFICATIONS

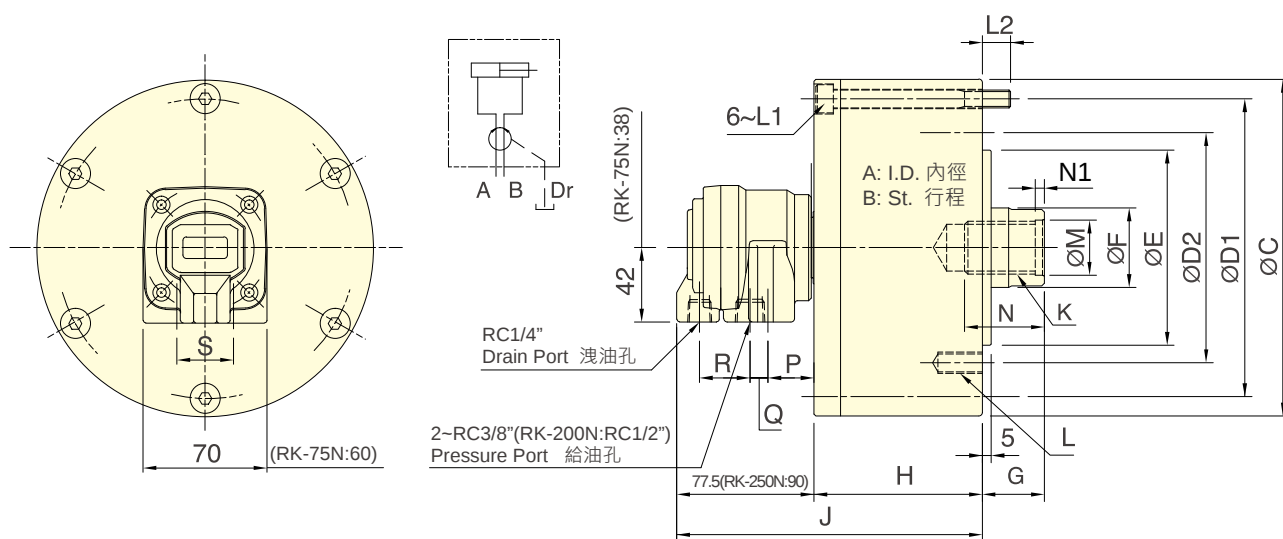
| 型號     | 活塞面積 Eff. piston area |                 | 行程            | 最高迴轉數                      | 最高使用壓力                    | I                 | 重量     |
|--------|-----------------------|-----------------|---------------|----------------------------|---------------------------|-------------------|--------|
| Model  | 伸側(Extend)            | 拉側(Retract)     | Piston stroke | Max. speed                 | Max. pressure             | Moment of inertia | Weight |
|        | cm <sup>2</sup>       | cm <sup>2</sup> | mm            | min <sup>-1</sup> (r.p.m.) | MPa(kgf/cm <sup>2</sup> ) | kg·m <sup>2</sup> | kg     |
| RK-75  | 44.2                  | 37.1            | 15            | 6000                       | 4.0 (40)                  | 0.01              | 2.9    |
| RK-100 | 78.5                  | 71.5            | 20            | 6000                       | 4.0 (40)                  | 0.03              | 4.4    |
| RK-125 | 122.7                 | 113.1           | 25            | 6000                       | 4.0 (40)                  | 0.05              | 6.9    |
| RK-150 | 176.7                 | 160.8           | 30            | 5500                       | 4.0 (40)                  | 0.09              | 9.5    |
| RK-200 | 314.1                 | 290.4           | 35            | 5500                       | 4.0 (40)                  | 0.28              | 15.4   |
| RK-250 | 469.1                 | 436.0           | 60            | 2000                       | 5.0(50)                   | 0.40              | 45.2   |

### 外型尺寸 DIMENSIONS

| Model  | A   | B  | C   | D1  | D2  | E (h7) | F  | G max. | G min. | H   | J   | K       | L         | L1      | L2   | M (H8) | N  | N1 | P    | Q  | R    | S  |
|--------|-----|----|-----|-----|-----|--------|----|--------|--------|-----|-----|---------|-----------|---------|------|--------|----|----|------|----|------|----|
| RK-75  | 75  | 15 | 107 | 90  | 90  | 65     | 30 | 45     | 30     | 57  | 148 | M20x2.5 | 6-M8x16   | M8x60   | 12   | 21     | 35 | 5  | 41.5 | 10 | 27.5 | 26 |
| RK-100 | 100 | 20 | 132 | 115 | 100 | 80     | 30 | 45     | 25     | 72  | 163 | M20x2.5 | 6-M10x20  | M8x75   | 12   | 21     | 35 | 5  | 39.5 | 10 | 28.5 | 32 |
| RK-125 | 125 | 25 | 160 | 140 | 130 | 110    | 35 | 50     | 25     | 82  | 172 | M24x3.0 | 6-M12x20  | M8x85   | 12   | 25     | 45 | 5  | 38.5 | 10 | 28.5 | 32 |
| RK-150 | 150 | 30 | 190 | 170 | 130 | 110    | 45 | 55     | 25     | 95  | 184 | M30x3.5 | 12-M12x24 | M10x100 | 15.5 | 32     | 45 | 5  | 37   | 10 | 28.5 | 32 |
| RK-200 | 200 | 35 | 245 | 220 | 145 | 120    | 55 | 70     | 35     | 115 | 201 | M36x4.0 | 12-M16x30 | M10x125 | 21   | 38     | 60 | 5  | 38   | 6  | 28.5 | 28 |
| RK-250 | 245 | 60 | 307 | 275 | 220 | 160    | 65 | 85     | 25     | 165 | 255 | M42x3.0 | 12-M20x35 | M16x175 | 28   | 45     | 65 | 12 | 33   | 18 | 6    | -  |



- 短型・高速・輕量型迴轉油壓缸。
- 安裝時可由後端鎖固之。
- For short form, light weight and high speed rotary cylinder.
- Can screw it from the rear end of the cylinder when mounting.
- 洩油孔配管務必單獨接回油壓槽，以避免產生背壓。
- The drain port should be independently connected to oil tank to avoid back pressure.



保留規格修改的權利  
Subject to technical changes

### 技術規格 SPECIFICATIONS

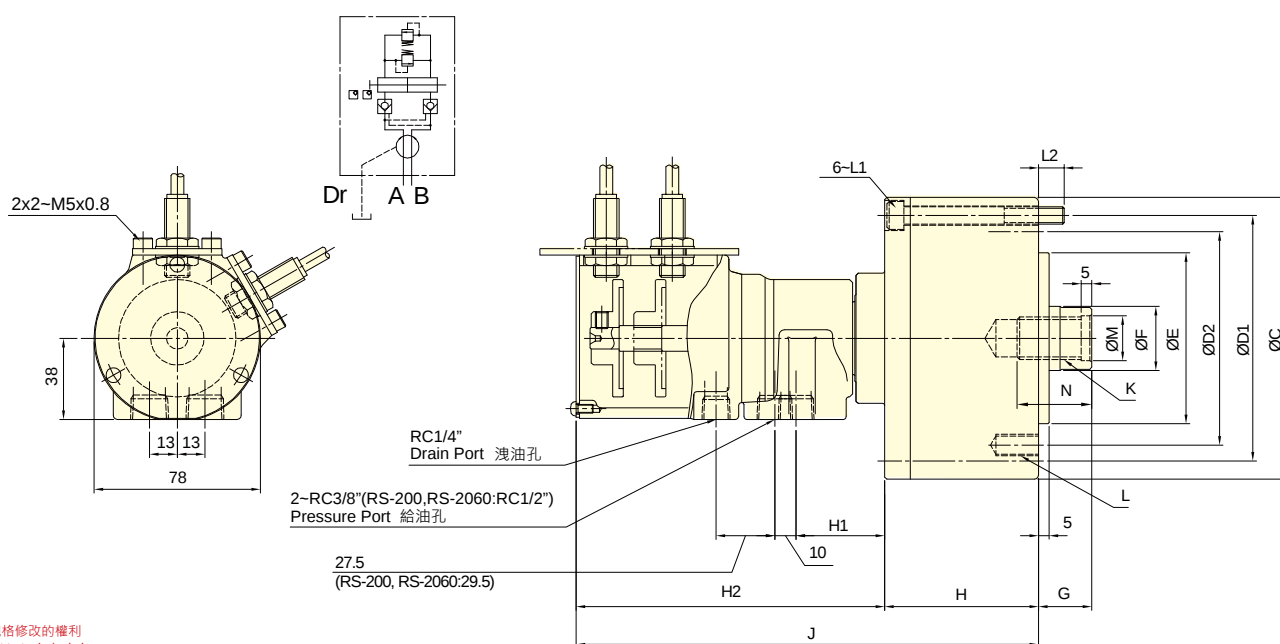
| 型號             | 活塞面積 Eff. piston area |                 | 行程            | 最高迴轉數                      | 最高使用壓力                    | I                 | 重量     |
|----------------|-----------------------|-----------------|---------------|----------------------------|---------------------------|-------------------|--------|
| Model          | 伸側(Extend)            | 拉側(Retract)     | Piston stroke | Max. speed                 | Max. pressure             | Moment of inertia | Weight |
|                | cm <sup>2</sup>       | cm <sup>2</sup> | mm            | min <sup>-1</sup> (r.p.m.) | MPa(kgf/cm <sup>2</sup> ) | kg·m <sup>2</sup> | kg     |
| <b>RK-75N</b>  | 44.2                  | 37.1            | 15            | 6000                       | 4.0(40)                   | 0.01              | 2.8    |
| <b>RK-100N</b> | 78.5                  | 71.5            | 20            | 6000                       | 4.0(40)                   | 0.03              | 4.3    |
| <b>RK-125N</b> | 122.7                 | 113.1           | 25            | 6000                       | 4.0(40)                   | 0.05              | 6.8    |
| <b>RK-150N</b> | 176.7                 | 160.8           | 30            | 5500                       | 4.0(40)                   | 0.09              | 9.4    |
| <b>RK-200N</b> | 314.1                 | 290.4           | 35            | 5500                       | 4.0(40)                   | 0.28              | 15.3   |
| <b>RK-250N</b> | 469.1                 | 436.0           | 60            | 2000                       | 5.0(50)                   | 0.40              | 45.2   |

### 外型尺寸 DIMENSIONS

| Model          | A   | B  | C   | D1  | D2  | E (h7) | F  | G max. | G min. | H   | J     | K       | L         | L1      | L2   | M (H8) | N  | N1 | P  | Q  | R    | S  |
|----------------|-----|----|-----|-----|-----|--------|----|--------|--------|-----|-------|---------|-----------|---------|------|--------|----|----|----|----|------|----|
| <b>RK-75N</b>  | 75  | 15 | 107 | 90  | 90  | 65     | 30 | 45     | 30     | 57  | 134.5 | M20x2.5 | 6~M8x16   | M8x60   | 12   | 21     | 35 | 5  | 28 | 10 | 27.5 | 26 |
| <b>RK-100N</b> | 100 | 20 | 132 | 115 | 100 | 80     | 30 | 45     | 25     | 72  | 149.5 | M20x2.5 | 6~M10x20  | M8x75   | 12   | 21     | 35 | 5  | 26 | 10 | 28.5 | 32 |
| <b>RK-125N</b> | 125 | 25 | 160 | 140 | 130 | 110    | 35 | 50     | 25     | 82  | 159.5 | M24x3.0 | 6~M12x20  | M8x85   | 12   | 25     | 45 | 5  | 26 | 10 | 28.5 | 32 |
| <b>RK-150N</b> | 150 | 30 | 190 | 170 | 130 | 110    | 45 | 55     | 25     | 95  | 172.5 | M30x3.5 | 12~M12x24 | M10x100 | 15.5 | 32     | 45 | 5  | 26 | 10 | 28.5 | 32 |
| <b>RK-200N</b> | 200 | 35 | 245 | 220 | 145 | 120    | 55 | 70     | 35     | 115 | 192.5 | M36x4.0 | 12~M16x30 | M10x125 | 21   | 38     | 60 | 5  | 30 | 6  | 28.5 | 28 |
| <b>RK-250N</b> | 245 | 60 | 307 | 275 | 220 | 160    | 65 | 85     | 25     | 165 | 255   | M42x3.0 | 6~M20x2.5 | M16x175 | 28   | 45     | 65 | 12 | 37 | 18 | 6    | -  |



- 短型・高速・行程控制型迴轉油壓缸。
- 感應式近接開關・行程調整容易・可確認油壓缸正確作動。
- 內建逆止閥自鎖機構及壓力洩壓閥。
- 安裝時可由後端鎖固之。
- For short form, high speed and stroke control.
- With proximity sensor, the movement of the position is easy to adjust and confirm when operating.
- Built-in safety check valves and pressure relief valves.
- Can screw it from the rear end of the cylinder when mounting.
- 洩油孔配管務必單獨接回油壓槽・以避免產生背壓。
- 行程檢知機構可修改為線性定位系統機構。(訂製品)
- The drain port should be independently connected to oil tank to avoid back pressure.
- Stroke Detection Type can be customized to Linear Positioning System.



保留規格修改的權利  
Subject to technical changes

#### 技術規格 SPECIFICATIONS

| 型號      | 活塞面積 Eff. piston area |                 | 行程            | 最高迴轉數                      | 最高使用壓力                    | I                 | 重量     |
|---------|-----------------------|-----------------|---------------|----------------------------|---------------------------|-------------------|--------|
| Model   | 伸側(Extend)            | 拉側(Retract)     | Piston stroke | Max. speed                 | Max. pressure             | Moment of inertia | Weight |
|         | cm <sup>2</sup>       | cm <sup>2</sup> | mm            | min <sup>-1</sup> (r.p.m.) | MPa(kgf/cm <sup>2</sup> ) | kg·m <sup>2</sup> | kg     |
| RS-75   | 43.0                  | 37.1            | 15            | 6000                       | 4.0 (40)                  | 0.01              | 3.4    |
| RS-100  | 77.4                  | 71.5            | 20            | 6000                       | 4.0 (40)                  | 0.04              | 4.9    |
| RS-125  | 121.6                 | 113.1           | 25            | 6000                       | 4.0 (40)                  | 0.05              | 7.4    |
| RS-1250 | 121.6                 | 113.1           | 50            | 6000                       | 4.0 (40)                  | 0.05              | 8.7    |
| RS-150  | 175.6                 | 160.8           | 30            | 5500                       | 4.0 (40)                  | 0.10              | 10.7   |
| RS-1550 | 175.6                 | 160.8           | 50            | 5500                       | 4.0 (40)                  | 0.10              | 11.5   |
| RS-200  | 313.0                 | 290.4           | 35            | 5500                       | 4.0 (40)                  | 0.29              | 15.9   |
| RS-2060 | 313.0                 | 290.4           | 60            | 5500                       | 4.0 (40)                  | 0.29              | 17.6   |

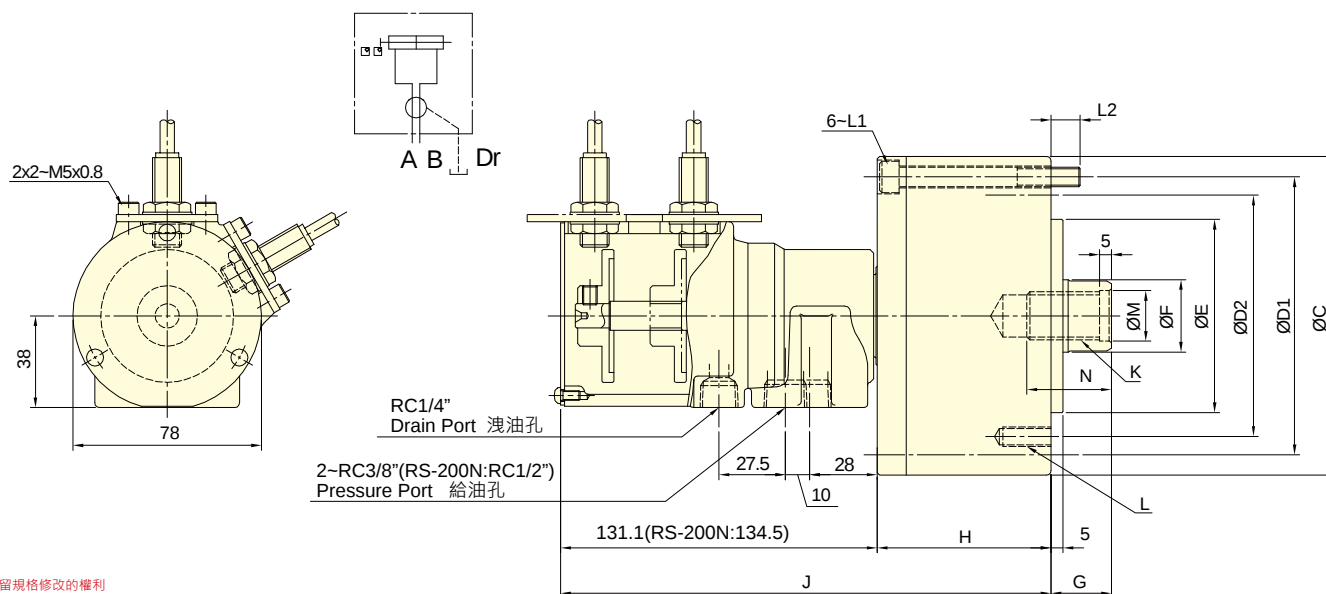
#### 外型尺寸 DIMENSIONS

| Model   | A   | B  | C   | D1  | D2  | E (h7) | F  | G max. | G min. | H   | H1 | H2    | J     | K       | L         | L1      | L2   | M (H8) | N  |
|---------|-----|----|-----|-----|-----|--------|----|--------|--------|-----|----|-------|-------|---------|-----------|---------|------|--------|----|
| RS-75   | 75  | 15 | 107 | 90  | 90  | 65     | 30 | 45     | 30     | 57  | 42 | 145   | 202   | M20x2.5 | 6~M8x16   | M8x60   | 12   | 21     | 35 |
| RS-100  | 100 | 20 | 132 | 115 | 100 | 80     | 30 | 45     | 25     | 72  | 42 | 145   | 217   | M20x2.5 | 6~M10x20  | M8x75   | 12   | 21     | 35 |
| RS-125  | 125 | 25 | 160 | 140 | 130 | 110    | 35 | 50     | 25     | 82  | 41 | 144   | 226   | M24x3.0 | 6~M12x20  | M8x85   | 12   | 25     | 45 |
| RS-1250 | 125 | 50 | 160 | 140 | 130 | 110    | 35 | 75     | 25     | 107 | 41 | 174   | 281   | M24x3.0 | 6~M12x20  | M8x110  | 12   | 25     | 45 |
| RS-150  | 150 | 30 | 190 | 170 | 130 | 110    | 45 | 55     | 25     | 95  | 39 | 142   | 237   | M30x3.5 | 12~M12x24 | M10x100 | 15.5 | 32     | 45 |
| RS-1550 | 150 | 50 | 190 | 170 | 130 | 110    | 45 | 75     | 25     | 115 | 39 | 172   | 287   | M30x3.5 | 12~M12x24 | M10x120 | 15.5 | 31     | 45 |
| RS-200  | 200 | 35 | 245 | 220 | 145 | 120    | 55 | 70     | 35     | 115 | 34 | 142.5 | 257.5 | M36x4.0 | 12~M16x30 | M10x125 | 21   | 38     | 60 |
| RS-2060 | 200 | 60 | 245 | 220 | 145 | 120    | 55 | 95     | 35     | 140 | 34 | 169   | 309   | M36x4.0 | 12~M16x30 | M10x145 | 16   | 38     | 60 |

\* 近接開關 : DC 10-30V 100mA NPN \* Proximity sensor : DC 10-30V 100mA NPN.



- 短型・高速・行程控制型迴轉油壓缸。
- 感應式近接開關・行程調整容易・可確認油壓缸正確作動。
- 安裝時可由後端鎖固之。
- For short form, high speed and stroke control.
- With proximity sensor, the movement of the position is easy to adjust and confirm when operating.
- Can screw it from the rear end of the cylinder when mounting.
- 洩油孔配管務必單獨接回油壓槽・以避免產生背壓。
- 行程檢知機構可修改為線性定位系統機構。(訂製品)
- The drain port should be independently connected to oil tank to avoid back pressure.
- Stroke Detection Type can be customized to Linear Positioning System.



保留規格修改的權利  
Subject to technical changes

#### 技術規格 SPECIFICATIONS

| 型號       | 活塞面積 Eff. piston area |                 | 行程            | 最高迴轉數                      | 最高使用壓力                    | I                 | 重量     |
|----------|-----------------------|-----------------|---------------|----------------------------|---------------------------|-------------------|--------|
| Model    | 伸側(Extend)            | 拉側(Retract)     | Piston stroke | Max. speed                 | Max. pressure             | Moment of inertia | Weight |
|          | cm <sup>2</sup>       | cm <sup>2</sup> | mm            | min <sup>-1</sup> (r.p.m.) | MPa(kgf/cm <sup>2</sup> ) | kg·m <sup>2</sup> | kg     |
| RS-6520N | 32.0                  | 28.3            | 20            | 6000                       | 4.0(40)                   | 0.01              | 3.2    |
| RS-6530N | 32.0                  | 28.3            | 30            | 6000                       | 4.0(40)                   | 0.01              | 3.3    |
| RS-75N   | 43.0                  | 37.1            | 15            | 6000                       | 4.0(40)                   | 0.01              | 3.3    |
| RS-7530N | 43.0                  | 37.1            | 30            | 6000                       | 4.0(40)                   | 0.013             | 3.7    |
| RS-100N  | 77.4                  | 71.5            | 20            | 6000                       | 4.0(40)                   | 0.04              | 4.8    |
| RS-125N  | 121.6                 | 113.1           | 25            | 6000                       | 4.0(40)                   | 0.05              | 7.3    |
| RS-150N  | 175.6                 | 160.8           | 30            | 5500                       | 4.0(40)                   | 0.16              | 10.6   |
| RS-200N  | 313.0                 | 290.4           | 35            | 5500                       | 4.0(40)                   | 0.29              | 15.9   |

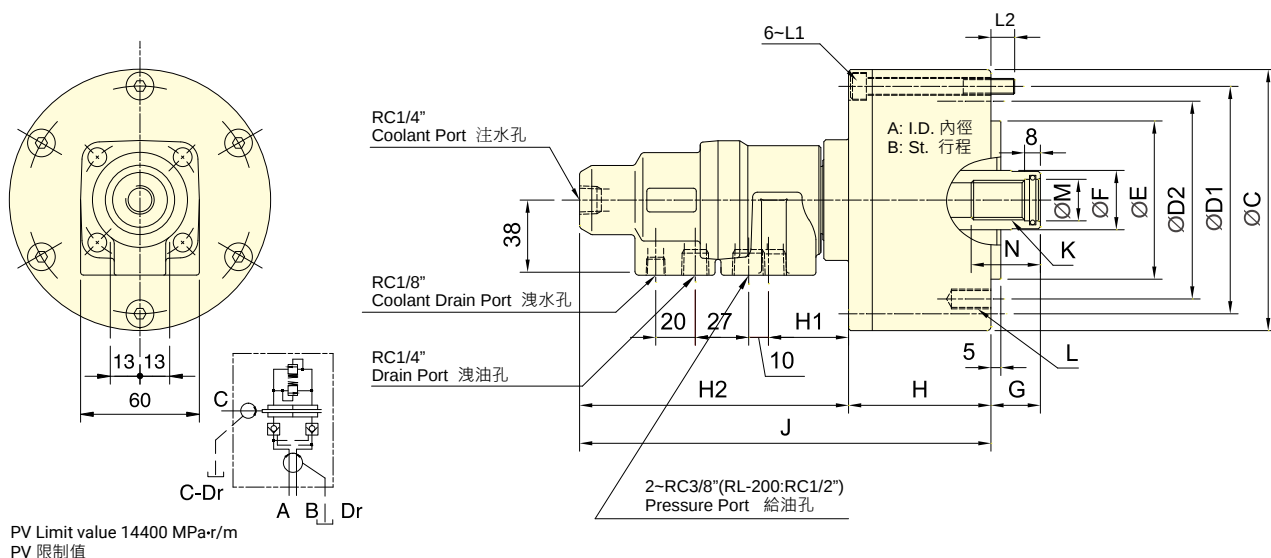
#### 外型尺寸 DIMENSIONS

| Model    | A   | B  | C   | D1  | D2  | E (h7) | F  | G max. | G min. | H   | J     | K       | L         | L1      | L2   | M (H8) | N  |
|----------|-----|----|-----|-----|-----|--------|----|--------|--------|-----|-------|---------|-----------|---------|------|--------|----|
| RS-6520N | 65  | 20 | 97  | 80  | 80  | 60     | 25 | 45     | 25     | 62  | 193   | M16x2.0 | 6~M8x16   | M6x70   | 14.5 | 17     | 30 |
| RS-6530N | 65  | 30 | 97  | 80  | 80  | 60     | 25 | 45     | 15     | 62  | 203   | M16x2.0 | 6~M8x16   | M6x80   | 14.5 | 17     | 30 |
| RS-75N   | 75  | 15 | 107 | 90  | 90  | 65     | 30 | 45     | 30     | 57  | 188   | M20x2.5 | 6~M8x16   | M8x60   | 12   | 21     | 35 |
| RS-7530N | 75  | 30 | 107 | 90  | 90  | 65     | 30 | 45     | 15     | 72  | 203   | M20x2.5 | 6~M8x16   | M8x75   | 12   | 21     | 35 |
| RS-100N  | 100 | 20 | 132 | 115 | 100 | 80     | 30 | 45     | 25     | 72  | 203   | M20x2.5 | 6~M10x20  | M8x75   | 12   | 21     | 35 |
| RS-125N  | 125 | 25 | 160 | 140 | 130 | 110    | 35 | 50     | 25     | 82  | 213   | M24x3.0 | 6~M12x20  | M8x85   | 12   | 25     | 45 |
| RS-150N  | 150 | 30 | 190 | 170 | 130 | 110    | 45 | 55     | 25     | 95  | 226   | M30x3.5 | 12~M12x24 | M10x100 | 15.5 | 32     | 45 |
| RS-200N  | 200 | 35 | 245 | 220 | 145 | 120    | 55 | 70     | 35     | 115 | 249.5 | M36x4.0 | 12~M16x30 | M10x125 | 21   | 38     | 60 |

\* 近接開關 : DC 10-30V 100mA NPN \* Proximity sensor : DC 10-30V 100mA NPN.



- 高速・注水型迴轉油壓缸。可經由後端供給切削水。
- 內建逆止閥自鎖機構及壓力洩壓閥。
- To allow coolant to be feed from the rear end of the distributor through the rotating union
- Built-in safety check valves and pressure relief valves.
- 洩油孔配管務必單獨接回油壓槽，以避免產生背壓。
- 注水孔無流體通過時，請勿運轉。
- The drain port should be independently connected to oil tank to avoid back pressure.
- The rotary cylinder should not run without liquid through coolant port.



保留規格修改的權利  
Subject to technical changes

#### 技術規格 SPECIFICATIONS

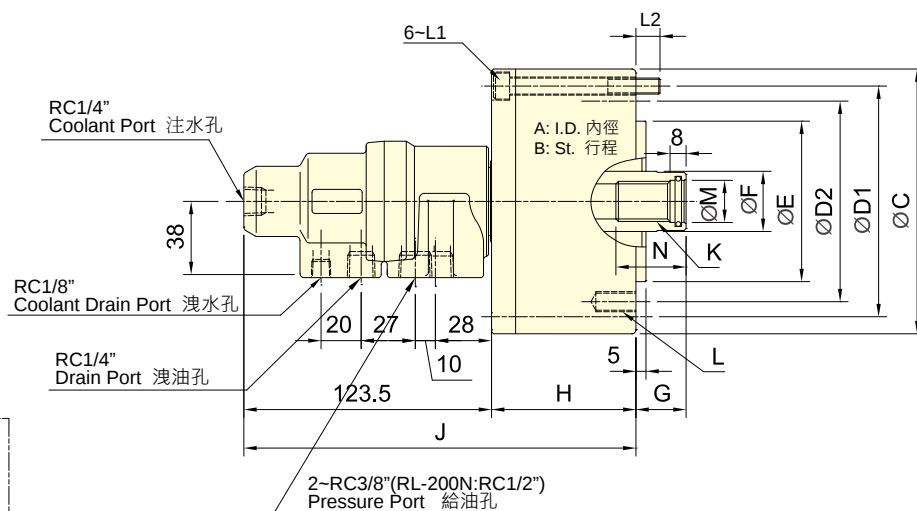
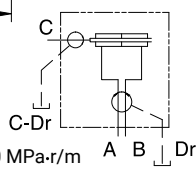
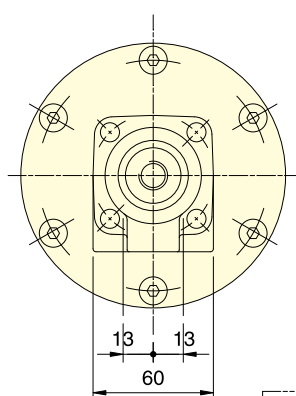
| 型號     | 活塞面積 Eff. piston area |                 | 行程            | 最高迴轉數      | 最高使用壓力        | 注水孔最高使用壓力                           | I                 | 重量     |
|--------|-----------------------|-----------------|---------------|------------|---------------|-------------------------------------|-------------------|--------|
| Model  | 伸側(Extend)            | 拉側(Retract)     | Piston stroke | Max. speed | Max. pressure | Coolant connection<br>Max. pressure | Moment of inertia | Weight |
|        | cm <sup>2</sup>       | cm <sup>2</sup> |               |            |               |                                     |                   |        |
| RL-75  | 42.6                  | 37.1            | 15            | 6000       | 4.0(40)       | 3.5(35)                             | 0.01              | 3.1    |
| RL-100 | 77.0                  | 71.5            | 20            | 6000       | 4.0(40)       | 3.5(35)                             | 0.04              | 4.6    |
| RL-125 | 121.2                 | 113.1           | 25            | 6000       | 4.0(40)       | 3.5(35)                             | 0.06              | 7.1    |
| RL-150 | 175.2                 | 160.8           | 30            | 5500       | 4.0(40)       | 3.5(35)                             | 0.10              | 9.7    |
| RL-200 | 312.5                 | 290.4           | 35            | 5500       | 4.0(40)       | 3.5(35)                             | 0.30              | 15.6   |

#### 外型尺寸 DIMENSIONS

| Model  | A   | B  | C   | D1  | D2  | E<br>(h7) | F  | G max. | G min. | H   | H1 | H2  | J   | K       | L         | L1      | L2   | M<br>(H8) | N  |
|--------|-----|----|-----|-----|-----|-----------|----|--------|--------|-----|----|-----|-----|---------|-----------|---------|------|-----------|----|
| RL-75  | 75  | 15 | 107 | 90  | 90  | 65        | 30 | 45     | 30     | 57  | 42 | 137 | 194 | M20x2.5 | 6-M8x16   | M8x60   | 12   | 21        | 35 |
| RL-100 | 100 | 20 | 132 | 115 | 100 | 80        | 30 | 45     | 25     | 72  | 42 | 137 | 209 | M20x2.5 | 6-M10x20  | M8x75   | 12   | 21        | 35 |
| RL-125 | 125 | 25 | 160 | 140 | 130 | 110       | 35 | 50     | 25     | 82  | 41 | 136 | 218 | M24x3.0 | 6-M12x20  | M8x85   | 12   | 25        | 45 |
| RL-150 | 150 | 30 | 190 | 170 | 130 | 110       | 45 | 55     | 25     | 95  | 39 | 134 | 230 | M30x3.5 | 12-M12x24 | M10x100 | 15.5 | 32        | 45 |
| RL-200 | 200 | 35 | 245 | 220 | 145 | 120       | 55 | 70     | 35     | 115 | 36 | 132 | 248 | M36x4.0 | 12-M16x30 | M10x125 | 21   | 38        | 60 |



- 高速・注水型迴轉油壓缸。可經由後端供給切削水。
- 安裝時可由後端鎖固之。
- To allow coolant to be feed from the rear end of the distributor through the rotating union.
- Can screw it from the rear end of the cylinder when mounting.
- 洩油孔配管務必單獨接回油壓槽，以避免產生背壓。
- 注水孔無流體通過時，請勿運轉。
- The drain port should be independently connected to oil tank to avoid back pressure.
- The rotary cylinder should not run without liquid through coolant port.



保留規格修改的權利  
Subject to technical changes

### 技術規格 SPECIFICATIONS

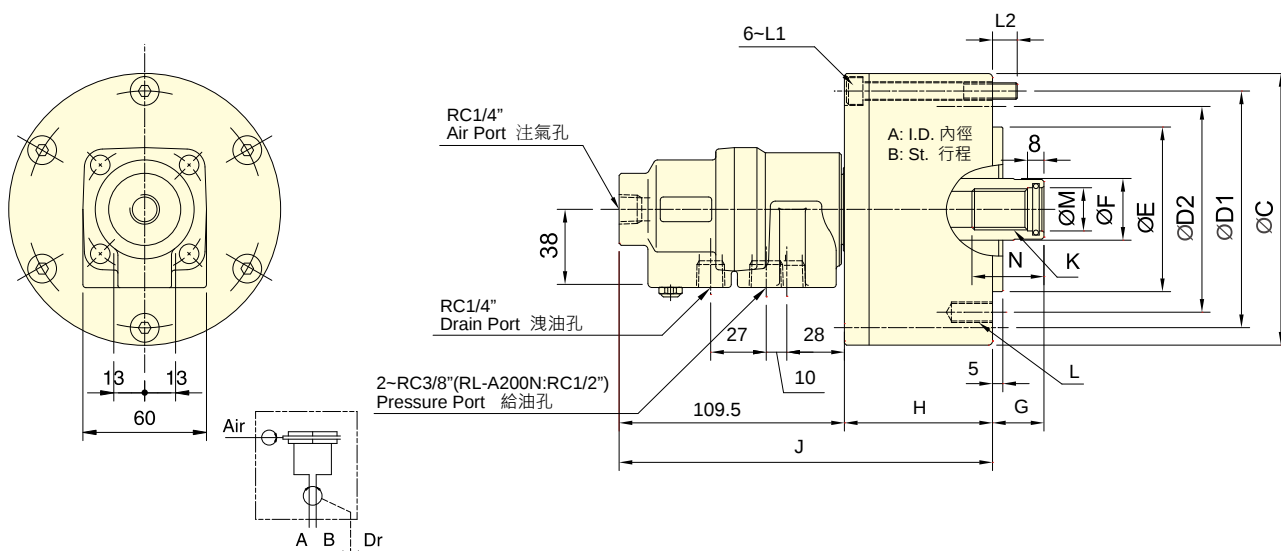
| 型號      | 活塞面積 Eff. piston area |                 | 行程            | 最高迴轉數      | 最高使用壓力        | 注水孔最高使用壓力                        | I                 | 重量     |
|---------|-----------------------|-----------------|---------------|------------|---------------|----------------------------------|-------------------|--------|
| Model   | 伸側(Extend)            | 拉側(Retract)     | Piston stroke | Max. speed | Max. pressure | Coolant connection Max. pressure | Moment of inertia | Weight |
|         | cm <sup>2</sup>       | cm <sup>2</sup> |               |            |               |                                  |                   |        |
| RL-75N  | 42.6                  | 37.1            | 15            | 6000       | 4.0 (40)      | 3.5(35)                          | 0.01              | 3.0    |
| RL-100N | 77.0                  | 71.5            | 20            | 6000       | 4.0 (40)      | 3.5(35)                          | 0.04              | 4.5    |
| RL-125N | 121.2                 | 113.1           | 25            | 6000       | 4.0 (40)      | 3.5(35)                          | 0.06              | 7.0    |
| RL-150N | 175.2                 | 160.8           | 30            | 5500       | 4.0 (40)      | 3.5(35)                          | 0.10              | 9.6    |
| RL-200N | 312.5                 | 290.4           | 35            | 5500       | 4.0 (40)      | 3.5(35)                          | 0.29              | 15.5   |

### 外型尺寸 DIMENSIONS

| Model   | A   | B  | C   | D1  | D2  | E (h7) | F  | G max. | G min. | H   | J   | K       | L          | L1      | L2   | M (H8) | N  |
|---------|-----|----|-----|-----|-----|--------|----|--------|--------|-----|-----|---------|------------|---------|------|--------|----|
| RL-75N  | 75  | 15 | 107 | 90  | 90  | 65     | 30 | 45     | 30     | 57  | 180 | M20x2.5 | 6-M8x16    | M8x60   | 12   | 21     | 35 |
| RL-100N | 100 | 20 | 132 | 115 | 100 | 80     | 30 | 45     | 25     | 72  | 195 | M20x2.5 | 6-M10x20   | M8x75   | 12   | 21     | 35 |
| RL-125N | 125 | 25 | 160 | 140 | 130 | 110    | 35 | 50     | 25     | 82  | 205 | M24x3.0 | 6-M12x20   | M8x85   | 12   | 25     | 45 |
| RL-150N | 150 | 30 | 190 | 170 | 130 | 110    | 45 | 55     | 25     | 95  | 218 | M30x3.5 | 12-M12x24  | M10x100 | 15.5 | 32     | 45 |
| RL-200N | 200 | 35 | 245 | 220 | 145 | 120    | 55 | 70     | 35     | 115 | 240 | M36x4.0 | 12-M16x 30 | M10x125 | 21   | 38     | 60 |



- 高速・注氣型迴轉油壓缸，可經由後端供給空氣。
- 安裝時可由後端鎖固之。
- To allow compressed air to be feed from the rear end of the distributor through the rotating union.
- Can screw it from the rear end of the cylinder when mounting.
- 使用時，請混入微量的油霧。
- 注氣孔無氣體通過時，請勿運轉。
- When used, a little oil mist should be contained.
- The rotary cylinder should not run without air passing through the air port.



保留規格修改的權利  
Subject to technical changes

### 技術規格 SPECIFICATIONS

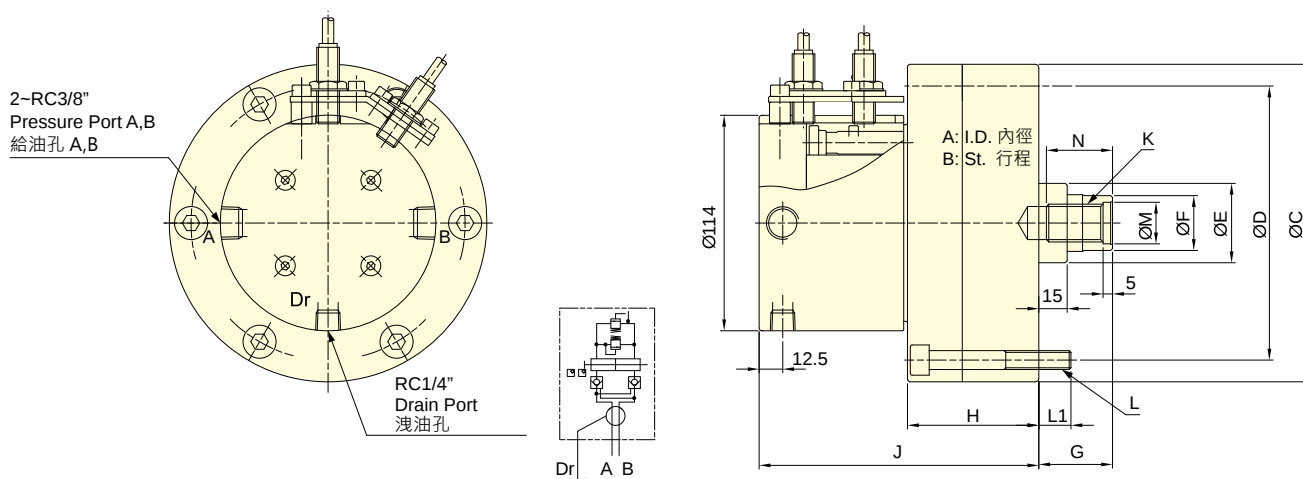
| 型號        | 活塞面積 Eff. piston area |                 | 行程            | 最高迴轉數      | 最高使用壓力        | 注氣部最高使用壓力                       | I                 | 重量     |
|-----------|-----------------------|-----------------|---------------|------------|---------------|---------------------------------|-------------------|--------|
| Model     | 押側(Extend)            | 拉側(Retract)     | Piston stroke | Max. speed | Max. pressure | Air connection<br>Max. pressure | Moment of inertia | Weight |
|           | cm <sup>2</sup>       | cm <sup>2</sup> |               |            |               |                                 |                   |        |
| RL- A75N  | 42.6                  | 37.1            | 15            | 6000       | 4.0(40)       | 0.8(8)                          | 0.01              | 3.0    |
| RL- A100N | 77.0                  | 71.5            | 20            | 6000       | 4.0(40)       | 0.8(8)                          | 0.04              | 4.5    |
| RL- A125N | 121.2                 | 113.1           | 25            | 6000       | 4.0(40)       | 0.8(8)                          | 0.06              | 7.0    |
| RL- A150N | 175.2                 | 160.8           | 30            | 5500       | 4.0(40)       | 0.8(8)                          | 0.10              | 9.6    |
| RL- A200N | 312.5                 | 290.4           | 35            | 5500       | 4.0(40)       | 0.8(8)                          | 0.29              | 15.5   |

### 外型尺寸 DIMENSIONS

| Model     | A   | B  | C   | D1  | D2  | E (h7) | F  | G max. | G min. | H   | J   | K        | L         | L1      | L2   | M (H8) | N  |
|-----------|-----|----|-----|-----|-----|--------|----|--------|--------|-----|-----|----------|-----------|---------|------|--------|----|
| RL- A75N  | 75  | 15 | 107 | 90  | 90  | 65     | 30 | 45     | 30     | 57  | 166 | M20 x2.5 | 6~M8x 16  | M8x60   | 12   | 21     | 35 |
| RL- A100N | 100 | 20 | 132 | 115 | 100 | 80     | 30 | 45     | 25     | 72  | 181 | M20 x2.5 | 6~M10x20  | M8x75   | 12   | 21     | 35 |
| RL- A125N | 125 | 25 | 160 | 140 | 130 | 110    | 35 | 50     | 25     | 82  | 191 | M24x 3.0 | 6~M12x20  | M8x85   | 12   | 25     | 45 |
| RL- A150N | 150 | 30 | 190 | 170 | 130 | 110    | 45 | 55     | 25     | 95  | 204 | M30x3.5  | 12~M12x24 | M10x100 | 15.5 | 32     | 45 |
| RL- A200N | 200 | 35 | 245 | 220 | 145 | 120    | 55 | 70     | 35     | 115 | 225 | M36 x4.0 | 12~M16x30 | M10x125 | 21   | 38     | 60 |



- 高速・輕量整合型迴轉油壓缸。
- 內建逆止閥自鎖機構・洩壓閥及行程控制近接開關。
- 安裝時可由後端鎖固之。
- For short form, light weight and high speed rotary cylinder.
- Built-in safety check valves, pressure relief valves and proximity sensor.
- Can screw it from the rear end of the cylinder when mounting.
- 洩油孔配管務必單獨接回油壓槽・以避免產生背壓。
- 行程檢知機構可修改為線性定位系統機構。(訂製品)
- The drain port should be independently connected to oil tank to avoid back pressure.
- Stroke Detection Type can be customized to Linear Positioning System.



保留規格修改的權利  
Subject to technical changes

### 技術規格 SPECIFICATIONS

| 型號     | 活塞面積 Eff. piston area |                 | 行程            | 最高迴轉數                      | 最高使用壓力                    | I                 | 重量     |
|--------|-----------------------|-----------------|---------------|----------------------------|---------------------------|-------------------|--------|
| Model  | 押側(Extend)            | 拉側(Retract)     | Piston stroke | Max. speed                 | Max. pressure             | Moment of inertia | Weight |
|        | cm <sup>2</sup>       | cm <sup>2</sup> | mm            | min <sup>-1</sup> (r.p.m.) | MPa(kgf/cm <sup>2</sup> ) | kg·m <sup>2</sup> | kg     |
| RE-110 | 92.7                  | 87.9            | 20            | 6000                       | 3.5(35)                   | 0.02              | 6.9    |
| RE-120 | 110.8                 | 106             | 21            | 6000                       | 4.0(40)                   | 0.03              | 8.8    |
| RE-130 | 130.4                 | 123.1           | 30            | 6000                       | 4.0(40)                   | 0.03              | 9.1    |

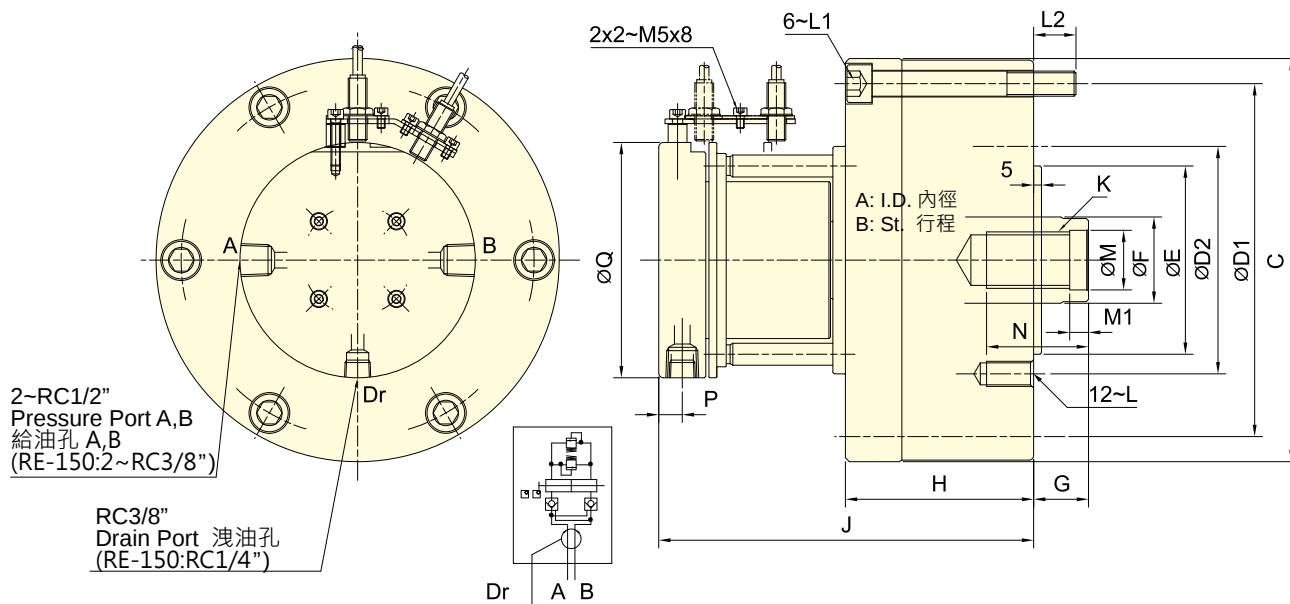
### 外型尺寸 DIMENSIONS

| Model  | A   | B  | C (h7) | D   | E  | F  | G max. | G min. | H    | J   | K       | L        | L1 | M (H8) | N  |
|--------|-----|----|--------|-----|----|----|--------|--------|------|-----|---------|----------|----|--------|----|
| RE-110 | 110 | 20 | 145    | 128 | 42 | 29 | 60     | 40     | 66   | 146 | M20x2.5 | 6~M8x70  | 12 | 22     | 35 |
| RE-120 | 120 | 21 | 168    | 145 | 42 | 29 | 60     | 39     | 69.5 | 148 | M20x2.5 | 6~M10x75 | 17 | 22     | 35 |
| RE-130 | 130 | 30 | 168    | 150 | 50 | 33 | 60     | 30     | 79.5 | 158 | M24x3.0 | 6~M10x85 | 17 | 27     | 40 |

\* 近接開關 : DC 10-30V 100mA NPN \* Proximity sensor : DC 10-30V 100mA NPN.



- 高速・輕量整合型迴轉油壓缸・特別適合使用於立式車床。
- 內建逆止閥自鎖機構・洩壓閥及行程控制近接開關。
- 安裝時可由後端鎖固之。
- For short form, light weight and high speed rotary cylinder, suitable for vertical lathe.
- Built-in safety check valves, pressure relief valves and proximity sensor.
- Can screw it from the rear end of the cylinder when mounting.
- 洩油孔配管務必單獨接回油壓槽・以避免產生背壓。
- 行程檢知機構可修改為線性定位系統機構。(訂製品)
- The drain port should be independently connected to oil tank to avoid back pressure.
- Stroke Detection Type can be customized to Linear Positioning System.



保留規格修改的權利  
Subject to technical changes

### 技術規格 SPECIFICATIONS

| 型號      | 活塞面積 Eff. piston area |                 | 行程            | 最高迴轉數                      | 最高使用壓力                    | I                 | 重量     |
|---------|-----------------------|-----------------|---------------|----------------------------|---------------------------|-------------------|--------|
| Model   | 伸側(Extend)            | 拉側(Retract)     | Piston stroke | Max. speed                 | Max. pressure             | Moment of inertia | Weight |
|         | cm <sup>2</sup>       | cm <sup>2</sup> | mm            | min <sup>-1</sup> (r.p.m.) | MPa(kgf/cm <sup>2</sup> ) | kg·m <sup>2</sup> | kg     |
| RE-150  | 174.4                 | 160.8           | 30            | 5500                       | 4.0 (40)                  | 0.06              | 14.9   |
| RE-200K | 292.4                 | 274.9           | 35            | 4000                       | 4.0 (40)                  | 0.19              | 29.1   |
| RE-200L | 292.4                 | 265.4           | 50            | 4000                       | 5.0 (50)                  | 0.21              | 30.4   |
| RE-250  | 465.2                 | 438.2           | 60            | 2000                       | 5.0 (50)                  | 0.43              | 47.2   |

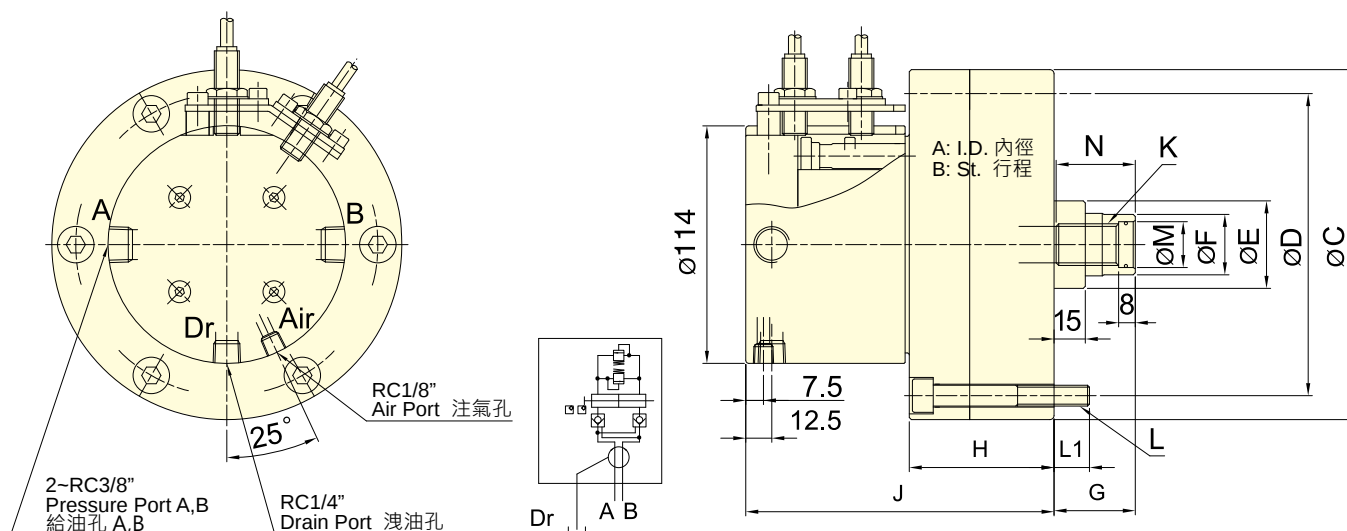
### 外型尺寸 DIMENSIONS

| Model   | A   | B  | C   | D1  | D2  | E (h7) | F  | G max. | G min. | H   | J     | K       | L      | L1      | L2   | M (H8) | M1 | N  | P    | Q   |
|---------|-----|----|-----|-----|-----|--------|----|--------|--------|-----|-------|---------|--------|---------|------|--------|----|----|------|-----|
| RE-150  | 150 | 30 | 205 | 180 | 130 | 110    | 45 | 60     | 30     | 99  | 177.5 | M30x3.5 | M12x24 | M12x105 | 18.5 | 32     | 10 | 50 | 12.5 | 114 |
| RE-200K | 195 | 35 | 257 | 225 | 145 | 120    | 55 | 73     | 38     | 120 | 239   | M36x4.0 | M16x30 | M16x130 | 27   | 38     | 12 | 65 | 15   | 150 |
| RE-200L | 195 | 50 | 257 | 225 | 170 | 125    | 65 | 80     | 30     | 135 | 254   | M42x3.0 | M16x30 | M16x145 | 27   | 45     | 12 | 65 | 15   | 150 |
| RE-250  | 245 | 60 | 307 | 275 | 220 | 160    | 65 | 85     | 25     | 165 | 280   | M42x3.0 | M20x35 | M16x175 | 28   | 45     | 12 | 65 | 15   | 150 |

\* 近接開關 : DC 10-30V 100mA NPN \* Proximity sensor : DC 10-30V 100mA NPN.



- 高速・輕量整合型注氣迴轉油壓缸，可經由後端供給空氣。
- 內建逆止閥自鎖機構，洩壓閥及行程控制近接開關。
- 安裝時可由後端鎖固之。
- For short form, light weight and high speed rotary cylinder. To allow compressed air to be feed from the rear end of the distributor through the rotating union.
- Built-in safety check valves, pressure relief valves and proximity sensor.
- Can screw it from the rear end of the cylinder when mounting.
- 洩油孔配管務必單獨接回油壓槽，以避免產生背壓。
- 使用時，請混入微量的油霧。
- 注氣孔無氣體通過時，請勿運轉。
- 行程檢知機構可修改為線性定位系統機構。(訂製品)
- The drain port should be independently connected to oil tank to avoid back pressure.
- When used, a little oil mist should be contained.
- Stroke Detection Type can be customized to Linear Positioning System.
- The rotary cylinder should not run without air passing through the air port.



保留規格修改的權利  
Subject to technical changes

### 技術規格 SPECIFICATIONS

| 型號      | 活塞面積 Eff. piston area |                 | 行程            | 最高迴轉數      | 最高使用壓力        | 注氣部最高使用壓力                       | I                 | 重量     |
|---------|-----------------------|-----------------|---------------|------------|---------------|---------------------------------|-------------------|--------|
| Model   | 伸側(Extend)            | 拉側(Retract)     | Piston stroke | Max. speed | Max. pressure | Air connection<br>Max. pressure | Moment of inertia | Weight |
|         | cm <sup>2</sup>       | cm <sup>2</sup> |               |            |               |                                 |                   |        |
| RE-A110 | 91.2                  | 87.9            | 20            | 6000       | 4.0(40)       | 0.8(8)                          | 0.02              | 6.9    |
| RE-A120 | 109.3                 | 106             | 21            | 6000       | 4.0(40)       | 0.8(8)                          | 0.02              | 8.8    |
| RE-A130 | 128.9                 | 123.1           | 30            | 6000       | 4.0(40)       | 0.8(8)                          | 0.03              | 9.1    |

### 外型尺寸 DIMENSIONS

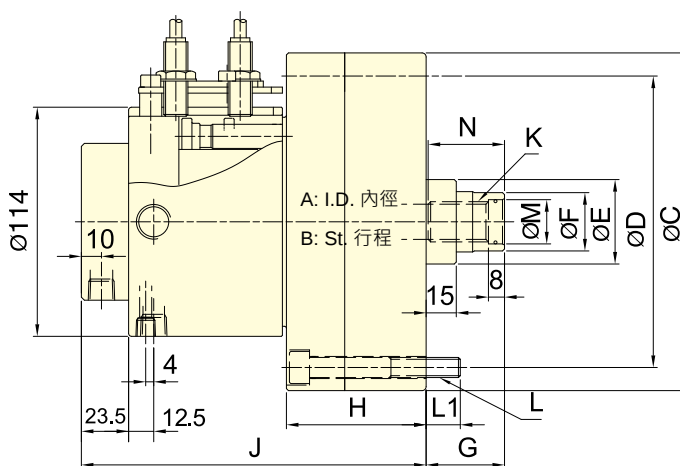
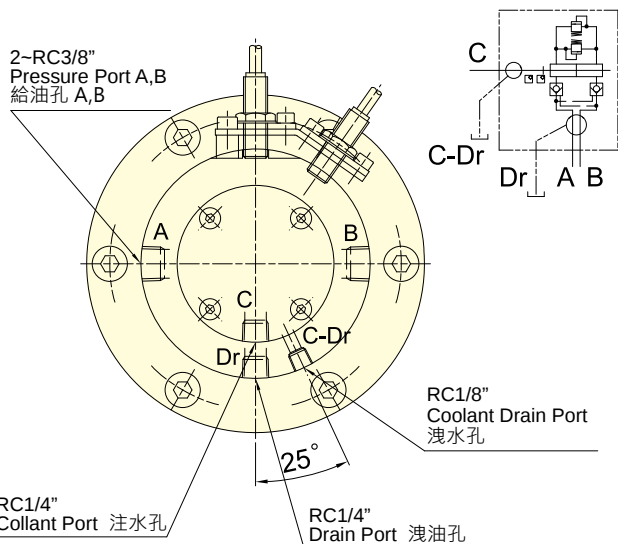
| Model   | A   | B  | C (h7) | D   | E  | F  | G max. | G min. | H    | J   | K       | L        | L1 | M (H8) | N  |
|---------|-----|----|--------|-----|----|----|--------|--------|------|-----|---------|----------|----|--------|----|
| RE-A110 | 110 | 20 | 145    | 128 | 42 | 29 | 60     | 40     | 66   | 146 | M20x2.5 | 6~M8x70  | 12 | 22     | 38 |
| RE-A120 | 120 | 21 | 168    | 145 | 42 | 29 | 60     | 39     | 69.5 | 148 | M20x2.5 | 6~M10x75 | 17 | 22     | 38 |
| RE-A130 | 130 | 30 | 168    | 150 | 50 | 33 | 60     | 30     | 79.5 | 158 | M24x3.0 | 6~M10x85 | 17 | 27     | 43 |

\* 近接開關 : DC 10-30V 100mA NPN \* Proximity sensor : DC 10-30V 100mA NPN.





- 高速、輕量整合型注水迴轉油壓缸，可經由後端供給切削水。
- 內建逆止閥自鎖機構，洩壓閥及行程控制近接開關。
- 安裝時可由後端鎖固之。
- For short form, light weight and high speed rotary cylinder. To allow coolant to be feed from the rear end of the distributor through the rotating union.
- Built-in safety check valves, pressure relief valves and proximity sensor.
- Can screw it from the rear end of the cylinder when mounting.
- 洩油孔配管務必單獨接回油壓槽，以避免產生背壓。
- 注水孔無流體通過時，請勿運轉。
- 行程檢知機構可修改為線性定位系統機構。(訂製品)
- The drain port should be independently connected to oil tank to avoid back pressure.
- The rotary cylinder should not run without liquid through coolant port.
- Stroke Detection Type can be customized to Linear Positioning System.



保留規格修改的權利  
Subject to technical changes

### 技術規格 SPECIFICATIONS

| 型號      | 活塞面積 Eff. piston area |                 | 行程            | 最高迴轉數      | 最高使用壓力        | 注水孔最高使用壓力                           | I                 | 重量     |
|---------|-----------------------|-----------------|---------------|------------|---------------|-------------------------------------|-------------------|--------|
| Model   | 押側(Extend)            | 拉側(Retract)     | Piston stroke | Max. speed | Max. pressure | Coolant connection<br>Max. pressure | Moment of inertia | Weight |
|         | cm <sup>2</sup>       | cm <sup>2</sup> |               |            |               |                                     |                   |        |
| RE-L110 | 92.7                  | 87.9            | 20            | 6000       | 4.0(40)       | 1.5(15)                             | 0.02              | 7.2    |
| RE-L120 | 109.3                 | 106             | 21            | 6000       | 4.0(40)       | 1.5(15)                             | 0.03              | 9.1    |
| RE-L130 | 128.9                 | 123.1           | 30            | 6000       | 4.0(40)       | 1.5(15)                             | 0.03              | 9.5    |

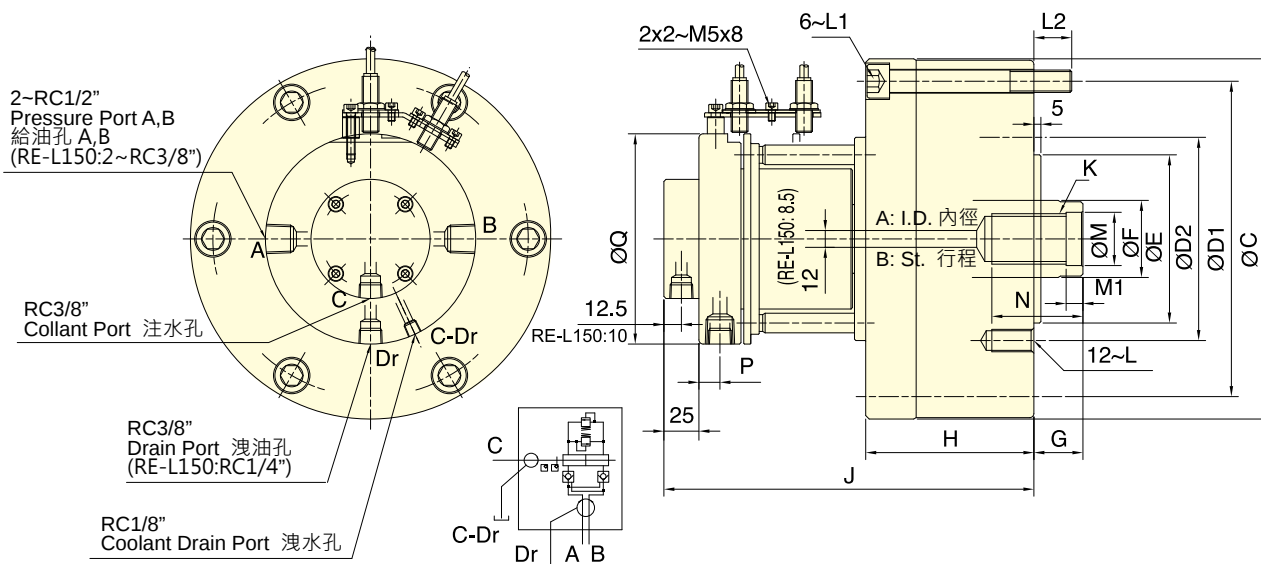
### 外型尺寸 DIMENSIONS

| Model   | A   | B  | C<br>(h7) | D   | E  | F  | G<br>max. | G<br>min. | H    | J     | K       | L        | L1 | M<br>(H8) | N  |
|---------|-----|----|-----------|-----|----|----|-----------|-----------|------|-------|---------|----------|----|-----------|----|
| RE-L110 | 110 | 20 | 145       | 128 | 42 | 29 | 60        | 40        | 66   | 169.5 | M20x2.5 | 6~M8x70  | 12 | 22        | 38 |
| RE-L120 | 120 | 21 | 168       | 145 | 42 | 29 | 60        | 39        | 69.5 | 171.5 | M20x2.5 | 6~M10x75 | 17 | 22        | 38 |
| RE-L130 | 130 | 30 | 168       | 150 | 50 | 33 | 60        | 30        | 79.5 | 181.5 | M24x3.0 | 6~M10x85 | 17 | 27        | 43 |

\* 近接開關 : DC 10-30V 100mA NPN \* Proximity sensor : DC 10-30V 100mA NPN.



- 高速・輕量整合型注水迴轉油壓缸，可經由後端供給切削水，特別適合使用於立式車床。
- 內建逆止閥自鎖機構，洩壓閥及行程控制近接開關。
- 安裝時可由後端鎖固之。
- For short form, light weight and high speed rotary cylinder. To allow coolant to be feed from the rear end of the distributor through the rotating union, suitable for vertical lathe.
- Built-in safety check valves, pressure relief valves and proximity sensor.
- Can screw it from the rear end of the cylinder when mounting.
- 洩油孔配管務必單獨接回油壓槽，以避免產生背壓。
- 注水孔無流體通過時，請勿運轉。
- 行程檢知機構可修改為線性定位系統機構。(訂製品)
- The drain port should be independently connected to oil tank to avoid back pressure.
- The rotary cylinder should not run without liquid through coolant port.
- Stroke Detection Type can be customized to Linear Positioning System.



保留規格修改的權利  
Subject to technical changes

### 技術規格 SPECIFICATIONS

| 型號       | 活塞面積 Eff. piston area |                 | 行程            | 最高迴轉數      | 最高使用壓力        | 注水孔最高使用壓力                        | I                 | 重量     |
|----------|-----------------------|-----------------|---------------|------------|---------------|----------------------------------|-------------------|--------|
| Model    | 伸側(Extend)            | 拉側(Retract)     | Piston stroke | Max. speed | Max. pressure | Coolant connection Max. pressure | Moment of inertia | Weight |
|          | cm <sup>2</sup>       | cm <sup>2</sup> |               |            |               |                                  |                   |        |
| RE-L150  | 174.4                 | 160.8           | 30            | 5500       | 4.0(40)       | 1.5(15)                          | 0.06              | 15.2   |
| RE-L200K | 292.4                 | 274.9           | 35            | 4000       | 4.0(40)       | 1.5(15)                          | 0.19              | 29.4   |
| RE-L200L | 292.4                 | 265.4           | 50            | 4000       | 5.0(50)       | 1.5(15)                          | 0.21              | 30.7   |
| RE-L250  | 465.2                 | 438.2           | 60            | 2000       | 5.0(50)       | 1.5(15)                          | 0.43              | 47.5   |

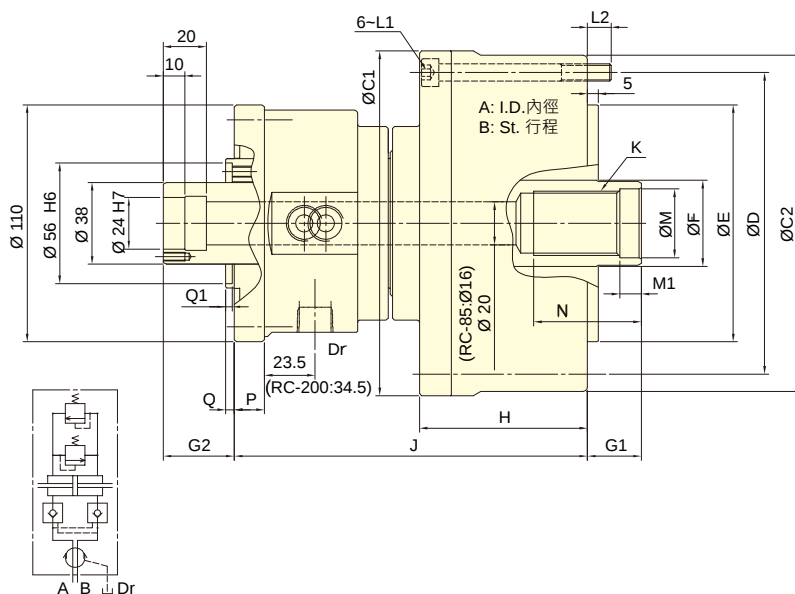
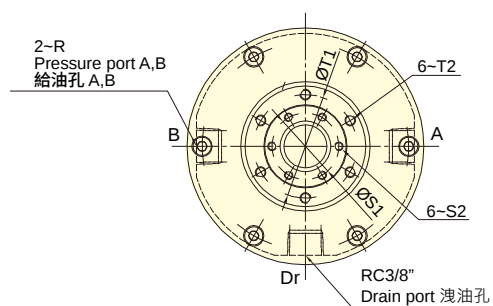
### 外型尺寸 DIMENSIONS

| Model    | A   | B  | C   | D1  | D2  | E (h7) | F  | G max. | G min. | H   | J   | K       | L      | L1      | L2   | M (H8) | M1 | N  | P    | Q   |
|----------|-----|----|-----|-----|-----|--------|----|--------|--------|-----|-----|---------|--------|---------|------|--------|----|----|------|-----|
| RE-L150  | 150 | 30 | 205 | 180 | 130 | 110    | 45 | 60     | 30     | 99  | 201 | M30x3.5 | M12x24 | M12x105 | 18.5 | 32     | 10 | 50 | 12.5 | 114 |
| RE-L200K | 195 | 35 | 257 | 225 | 145 | 120    | 55 | 73     | 38     | 120 | 264 | M36x4.0 | M16x30 | M16x130 | 27   | 38     | 12 | 65 | 15   | 150 |
| RE-L200L | 195 | 50 | 257 | 225 | 170 | 125    | 65 | 80     | 30     | 135 | 279 | M42x3.0 | M16x30 | M16x145 | 27   | 45     | 12 | 65 | 15   | 150 |
| RE-L250  | 245 | 60 | 307 | 275 | 220 | 160    | 65 | 85     | 25     | 165 | 305 | M42x3.0 | M20x35 | M16x175 | 28   | 45     | 12 | 65 | 15   | 150 |

\* 近接開關 : DC 10-30V 100mA NPN \* Proximity sensor : DC 10-30V 100mA NPN.



- 中心帶通道油壓缸。
- 可外接單通道或雙通道迴轉接頭，同時滿足氣密檢測及中心出水的需求。
- 內建逆止閥自鎖機構。
- 可搭配近接開關或線性位移感測器進行行程控制。
- Center through-hole hydraulic cylinder, suitable for horizontal CNC lathes.
- Can choose an external rotary joint with either single or double paths.
- It meets the demand for coolant through spindle and airtight pressure detect function.
- Has a built-in check valve for safety.
- Stroke control via proximity switch or linear positioning system.
- 近接開關及外接單通道或雙通道迴轉接頭為選購品。
- The proximity switch and single or double paths rotating joint are optional.



保留規格修改的權利  
Subject to technical changes

### 技術規格 SPECIFICATIONS

| 型號     | 活塞面積 Eff. piston area |                 | 行程            | 最高迴轉數                      | 最高使用壓力                   | I                 | 重量     |
|--------|-----------------------|-----------------|---------------|----------------------------|--------------------------|-------------------|--------|
| Model  | 伸側(Extend)            | 拉側(Retract)     | Piston stroke | Max. speed                 | Max. pressure            | Moment of inertia | Weight |
|        | cm <sup>2</sup>       | cm <sup>2</sup> | mm            | min <sup>-1</sup> (r.p.m.) | MPa(kg/cm <sup>2</sup> ) | kg·m <sup>2</sup> | kg     |
| RC-85  | 43.8                  | 48.1            | 20            | 5000                       | 3.5(35)                  | 0.01              | 6.8    |
| RC-100 | 65.6                  | 64.4            | 20            | 5000                       | 3.5(35)                  | 0.02              | 9.2    |
| RC-125 | 109.8                 | 108.5           | 25            | 5000                       | 3.5(35)                  | 0.03              | 11.1   |
| RC-145 | 152.2                 | 143.9           | 30            | 5000                       | 3.5(35)                  | 0.03              | 14.6   |
| RC-200 | 279.3                 | 273.6           | 35            | 4000                       | 4.0(40)                  | 0.26              | 35.5   |

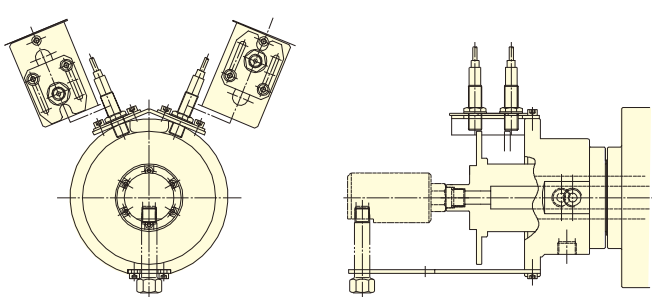
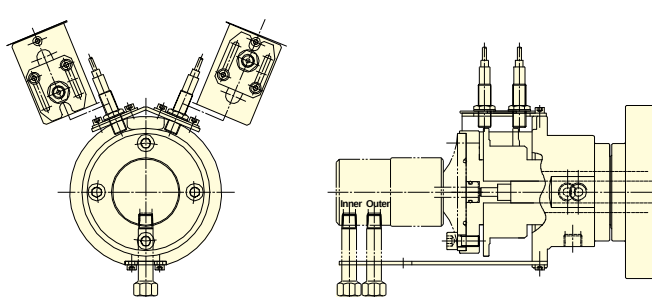
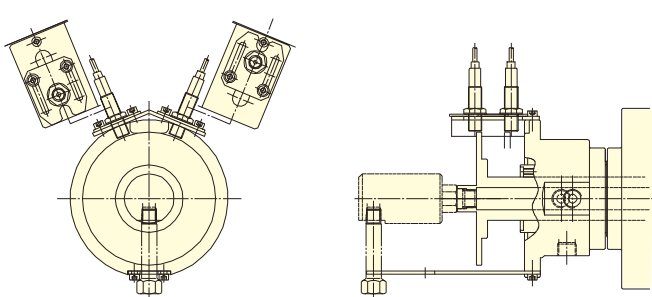
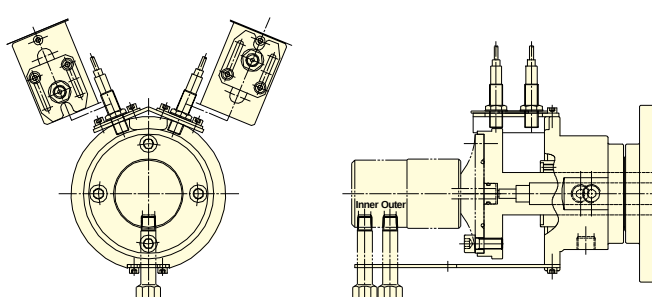
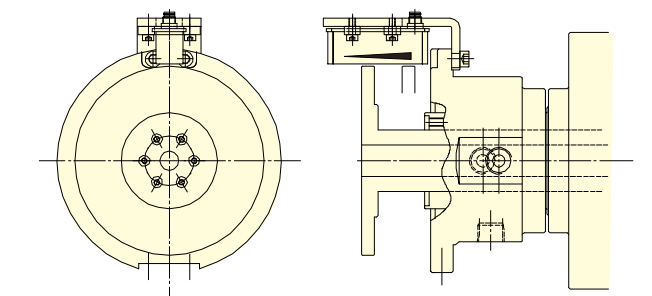
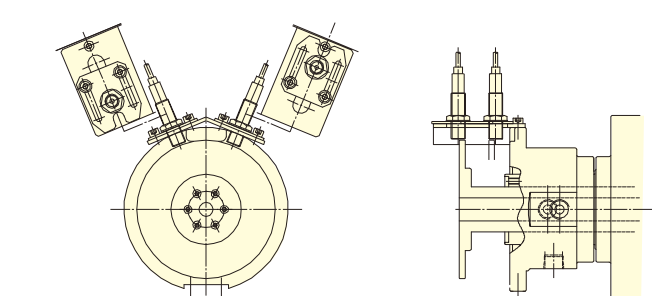
### 外型尺寸 DIMENSIONS

| Model  | A   | B  | C1  | C2  | D   | E (h7) | F  | G1max. | G1min. | G2max. | G2min. | H     | J     | K       |
|--------|-----|----|-----|-----|-----|--------|----|--------|--------|--------|--------|-------|-------|---------|
| RC-85  | 85  | 20 | 120 | 116 | 100 | 65     | 32 | 45     | 25     | 28     | 8      | 76.5  | 156.5 | M24x1.5 |
| RC-100 | 100 | 20 | 135 | 131 | 115 | 80     | 40 | 45     | 25     | 28     | 8      | 72    | 158.5 | M30x1.5 |
| RC-125 | 125 | 25 | 160 | 156 | 140 | 110    | 40 | 50     | 25     | 33     | 8      | 78    | 164   | M30x1.5 |
| RC-145 | 145 | 30 | 187 | 183 | 165 | 110    | 50 | 55     | 25     | 38     | 8      | 83    | 169.5 | M40x1.5 |
| RC-200 | 195 | 35 | 257 | 257 | 225 | 120    | 55 | 73     | 38     | 51.5   | 16.5   | 120.5 | 222.5 | M36x4.0 |

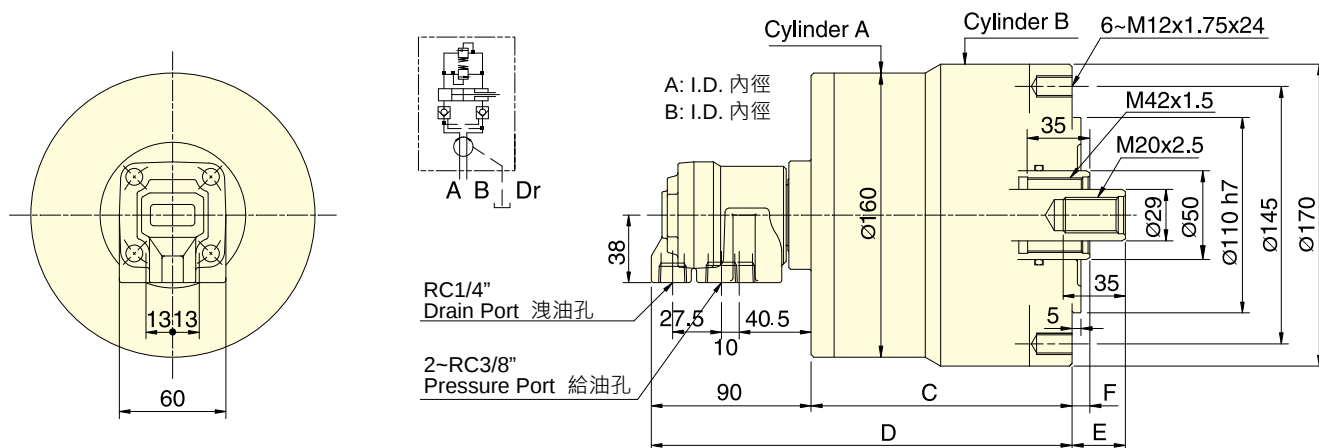
| Model  | L1        | L2   | M(H8) | M1 | N  | P  | Q   | Q1 | R     | S1 | S2    | T1 | T2    |
|--------|-----------|------|-------|----|----|----|-----|----|-------|----|-------|----|-------|
| RC-85  | 6~M8x80   | 12.5 | 25.4  | 10 | 40 | 14 | 4   | 3  | RC3/8 | 31 | M4x10 | 48 | M5x9  |
| RC-100 | 6~M8x75   | 12.5 | 32    | 10 | 50 | 14 | 4   | 3  | RC3/8 | 31 | M4x10 | 48 | M5x9  |
| RC-125 | 6~M8x80   | 11   | 32    | 10 | 50 | 14 | 4   | 3  | RC3/8 | 31 | M4x10 | 48 | M5x9  |
| RC-145 | 6~M10x90  | 18   | 42    | 12 | 57 | 14 | 4   | 3  | RC3/8 | 31 | M4x10 | 48 | M5x9  |
| RC-200 | 6~M16x130 | 26   | 38    | 12 | 65 | 15 | 6.5 | 4  | RC1/2 | 35 | M4x10 | 60 | M5x11 |

- 迴轉接頭和近接開關安裝型式。
- Rotating joint and Proximity switch with bracket type.

|                                                                                     |                                                         |                                                                                                                                                                           |                                                          |
|-------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| F1                                                                                  | 固定式・單通道<br>With single path rotating joint (Fixed type) | F2                                                                                                                                                                        | 固定式・雙通道<br>With double paths rotating joint(Fixed type)  |
|    |                                                         |                                                                                         |                                                          |
| M1                                                                                  | 移動式・單通道<br>With single path rotating joint(Moving type) | M2                                                                                                                                                                        | 移動式・雙通道<br>With double paths rotating joint(Moving type) |
|  |                                                         |                                                                                       |                                                          |
| B                                                                                   | 線性檢知和支架<br>linear Sensor with bracket                   | S                                                                                                                                                                         | 近接開關和支架<br>Proximity switch with bracket                 |
|  |                                                         |                                                                                       |                                                          |
| <p>* 近接開關與迴轉接頭是選購品。</p> <p>* 可選擇所合適的附加類型。</p> <p>* 詳細安裝介面尺寸請與聯繫我們。</p>              |                                                         | <p>* The proximity switch and rotary joint are optional.</p> <p>* Choose and attach the appropriate type.</p> <p>* Please contact AUTOGRIP for more detailed drawing.</p> |                                                          |



- 短型・輕量・雙桿型迴轉油壓缸。
- 內建逆止閥自鎖機構及壓力洩壓閥。
- For short form, light weight, double rod rotary cylinder.
- Built-in safety check valves and pressure relief valves.
- 洩油孔配管務必單獨接回油壓槽，以避免產生背壓。
- The drain port should be independently connected to oil tank to avoid back pressure.



保留規格修改的權利  
Subject to technical changes

## 技術規格 SPECIFICATIONS

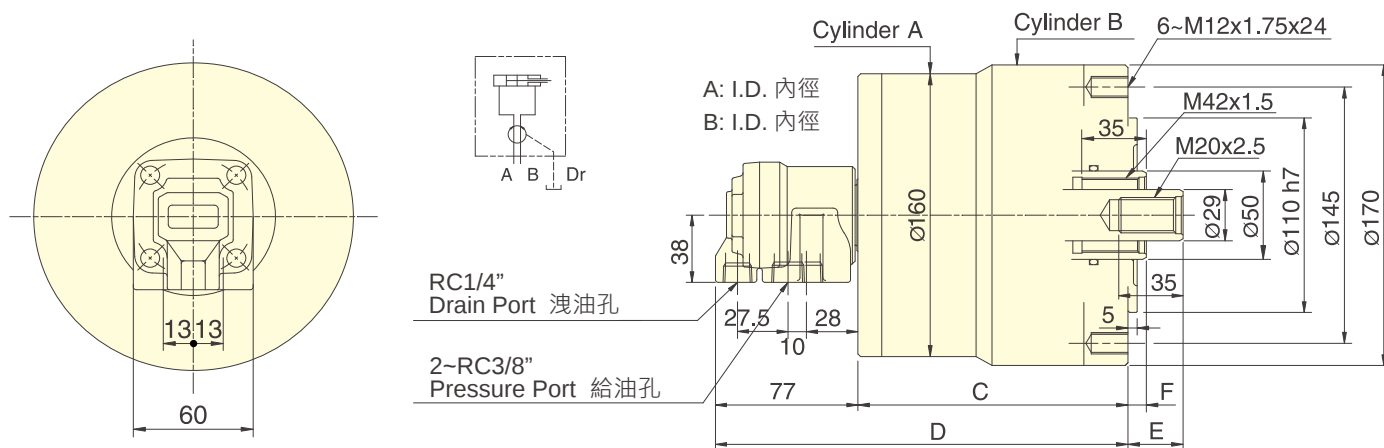
| 型號     | 活塞面積Eff. piston area |       |             |       | 行程            | 最高迴轉數                      | 最高使用壓力        | I                 | 重量     |
|--------|----------------------|-------|-------------|-------|---------------|----------------------------|---------------|-------------------|--------|
|        | 押側(Extend)           |       | 拉側(Retract) |       |               |                            |               |                   |        |
| Model  | A                    | B     | A           | B     | Piston stroke | Max. speed                 | Max. pressure | Moment of inertia | Weight |
|        | cm²                  | cm²   | cm²         | cm²   | mm            | min <sup>-1</sup> (r.p.m.) | MPa(kgf/cm²)  | kg·m²             | kg     |
| RD-120 | 122.7                | 126.1 | 116.1       | 113.1 | 20            | 5000                       | 3.0(30)       | 0.14              | 11.3   |
| RD-125 | 122.7                | 126.1 | 116.1       | 113.1 | 25            | 5000                       | 3.0(30)       | 0.15              | 11.5   |

## 外型尺寸 DIMENSIONS

| Model  | A   | B   | C   | D   | E max. | E min. | F max. | F min. |
|--------|-----|-----|-----|-----|--------|--------|--------|--------|
| RD-120 | 125 | 130 | 137 | 227 | 60     | 40     | 35     | 15     |
| RD-125 | 125 | 130 | 147 | 237 | 55     | 30     | 35     | 10     |



- 短型・輕量・雙桿型迴轉油壓缸。
- For short form, light weight, double rod rotary cylinder.
- 洩油孔配管務必單獨接回油壓槽，以避免產生背壓。
- The drain port should be independently connected to oil tank to avoid back pressure.



保留規格修改的權利  
Subject to technical changes

### 技術規格 SPECIFICATIONS

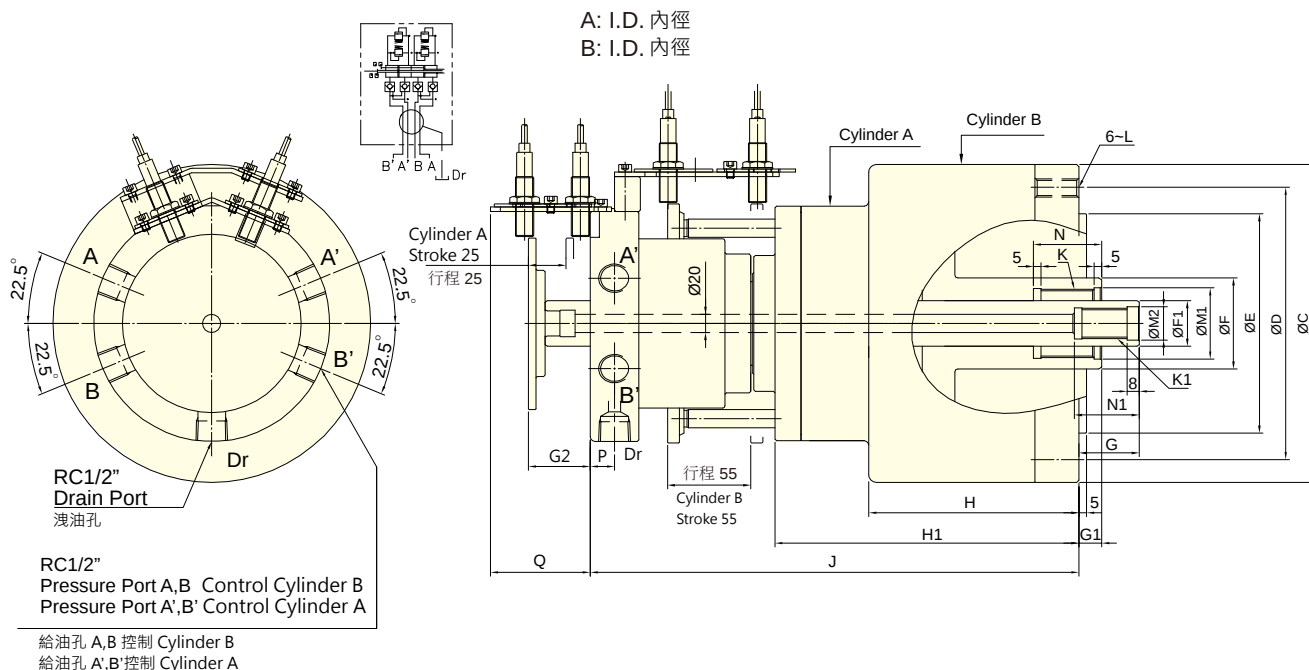
| 型號      | 活塞面積Eff. piston area |       |             |       | 行程            | 最高迴轉數                      | 最高使用壓力        | I                 | 重量     |
|---------|----------------------|-------|-------------|-------|---------------|----------------------------|---------------|-------------------|--------|
|         | 押側(Extend)           |       | 拉側(Retract) |       |               |                            |               |                   |        |
| Model   | A                    | B     | A           | B     | Piston stroke | Max. speed                 | Max. pressure | Moment of inertia | Weight |
|         | cm²                  | cm²   | cm²         | cm²   | mm            | min <sup>-1</sup> (r.p.m.) | MPa(kgf/cm²)  | kg·m²             | kg     |
| RD-120N | 122.7                | 126.1 | 116.1       | 113.1 | 20            | 5000                       | 3.0(30)       | 0.14              | 11.2   |
| RD-125N | 122.7                | 126.1 | 116.1       | 113.1 | 25            | 5000                       | 3.0(30)       | 0.15              | 11.4   |

### 外型尺寸 DIMENSIONS

| Model          | A   | B   | C   | D   | E max. | E min. | F max. | F min. |
|----------------|-----|-----|-----|-----|--------|--------|--------|--------|
| <b>RD-120N</b> | 125 | 130 | 137 | 214 | 60     | 40     | 35     | 15     |
| <b>RD-125N</b> | 125 | 130 | 147 | 224 | 55     | 30     | 35     | 10     |



- 短型・輕量・外掛接頭雙桿雙迴路迴轉油壓缸。
- 內拉桿可應用於驅動零件中心頂出或帶軸向伸縮定位的動力夾頭。
- 前後油缸為單獨迴路控制，均內建逆止閥自鎖機構。
- 中心通孔用于冷卻液、油或空氣的輸送，可外掛單通道迴轉接頭。
- Short type, lightweight, dual-rod dual-circuit rotary hydraulic cylinder with external rotary joint.
- The internal tie rod can be applied to drive center ejection of parts or power chucks with axial telescopic positioning.
- The front and rear cylinders are controlled by separate circuits, each equipped with Built-in safety check valves.
- The central through-hole is used for the passage of coolant, oil, or air, and can be fitted with an external single-channel rotary joint..
- 迴轉接頭與支撐架為選購品。
- The rotary joint and support frame are optiona.



保留規格修改的權利  
Subject to technical changes

### 技術規格 SPECIFICATIONS

| 型號       | 活塞面積Eff. piston area |       |             |       | 行程            | 最高迴轉數                      | 最高使用壓力        | I 慣性矩             | 重量     |
|----------|----------------------|-------|-------------|-------|---------------|----------------------------|---------------|-------------------|--------|
|          | 押側(Extend)           |       | 拉側(Retract) |       |               |                            |               |                   |        |
| Model    | A                    | B     | A           | B     | Piston stroke | Max. speed                 | Max. pressure | Moment of inertia | Weight |
|          | cm²                  | cm²   | cm²         | cm²   | mm            | min <sup>-1</sup> (r.p.m.) | MPa(kgf/cm²)  | kg·m²             | kg     |
| RDL-160S | 68.3                 | 190.6 | 68.3        | 172.8 | 25/55         | 4000                       | 5.0 (50)      | 0.025             | 26     |

### 外型尺寸 DIMENSIONS

| Model           | A   | B   | C   | D   | E(h7) | F  | F1 | G max. | G min. | G1 max. | G1 min. | G2 max. | G2 min. |
|-----------------|-----|-----|-----|-----|-------|----|----|--------|--------|---------|---------|---------|---------|
| <b>RDL-160S</b> | 100 | 160 | 210 | 180 | 145   | 60 | 30 | 65     | 40     | 70      | 15      | 41      | 16      |

| Model           | H   | H1  | J   | K       | K1      | L      | M1(H8) | M2(h7) | N  | N1 | P  | Q  |
|-----------------|-----|-----|-----|---------|---------|--------|--------|--------|----|----|----|----|
| <b>RDL-160S</b> | 139 | 201 | 323 | M45x1.5 | M20x2.5 | M12x29 | 47     | 22     | 45 | 43 | 16 | 66 |