



JT AD SERIES

All Electric Servo Drive Vertical Type Injection Molding Machine

Specifications

| | | | | |
|--------------|-------------------------------|----------------------|----------------------------|-----------------------------|
| Model | JT20RAD JT40RAD JT70RAD | JT100RAD JT150RAD | JT220RAD JT220RAD(Wide) | JT40AD JT70AD JT100AD |
|--------------|-------------------------------|----------------------|----------------------------|-----------------------------|

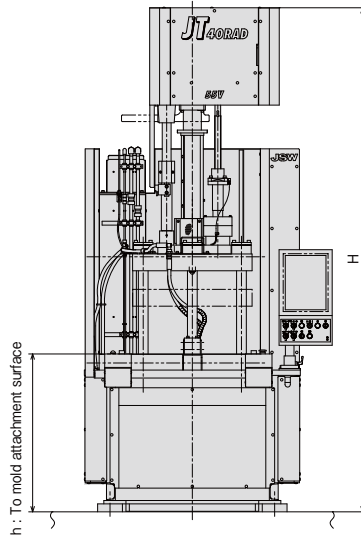
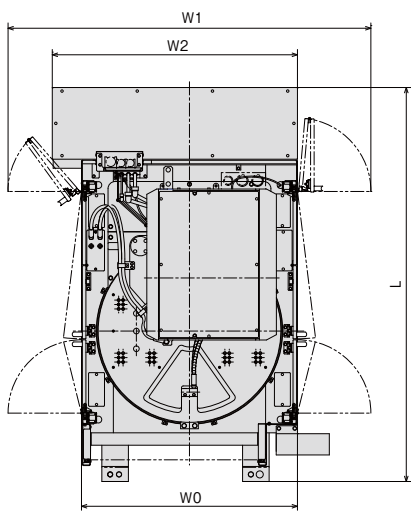
JSW



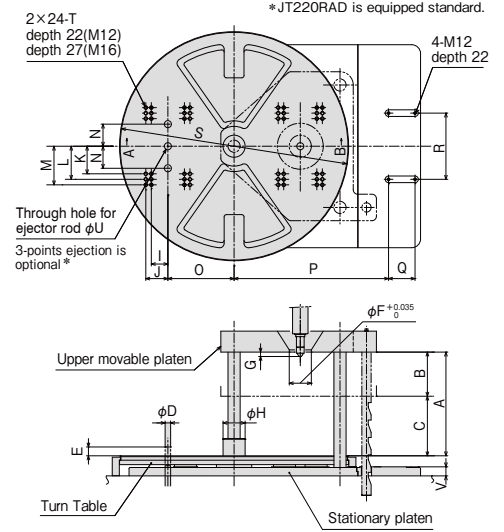
JQA-QMA13993
JQA-EM6416

JT-AD SERIES Equipment Dimensions

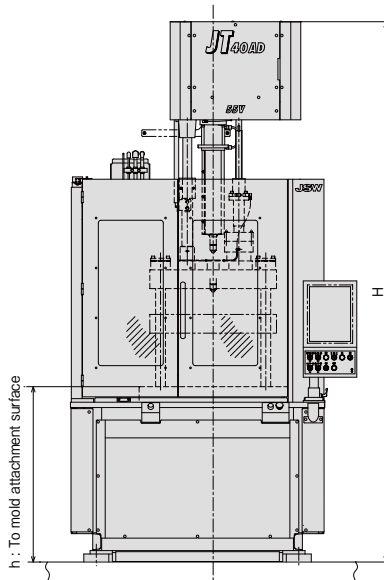
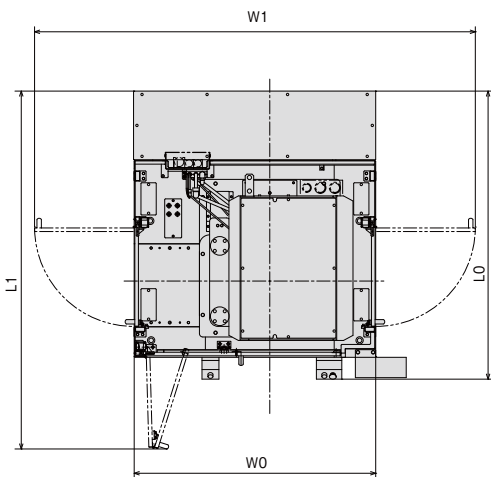
Rotary type Equipment dimensions



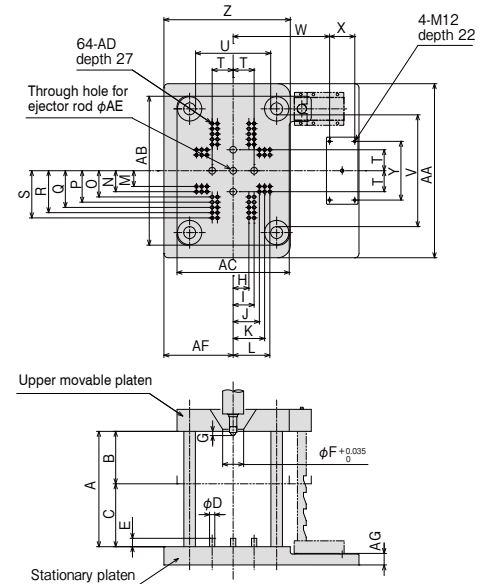
Rotary type Mold related dimensions



Single acting type Equipment dimensions



Single acting type Mold related dimensions



Mold Related Dimensions

Rotary type

(Unit: mm)

| Model | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V |
|-----------------|-----|-----|---------|----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|------|-----|----|----|
| JT20RAD | 430 | 200 | 150~230 | 25 | 40 | 100 | 20 | 85 | 50 | 75 | 100 | 125 | 150 | 100 | 275 | 700 | 120 | 300 | 912 | M12 | 32 | 36 |
| JT40RAD | 470 | 200 | 170~270 | 25 | 40 | 100 | 20 | 100 | 75 | 100 | 125 | 150 | 175 | 100 | 300 | 700 | 120 | 300 | 1032 | M16 | 32 | 41 |
| JT70RAD | 550 | 250 | 200~300 | 25 | 60 | 100 | 20 | 120 | 75 | 125 | 150 | 175 | 200 | 100 | 340 | 770 | 120 | 300 | 1160 | M16 | 32 | 46 |
| JT100RAD | 600 | 250 | 250~350 | 25 | 60 | 100 | 20 | 140 | 100 | 150 | 175 | 200 | 225 | 100 | 385 | 915 | 120 | 300 | 1310 | M16 | 32 | 48 |
| JT150RAD | 650 | 250 | 300~400 | 25 | 60 | 100 | 20 | 170 | 125 | 175 | 200 | 225 | 250 | 100 | 445 | 1022 | 120 | 300 | 1490 | M16 | 32 | 63 |
| JT220RAD | 800 | 350 | 350~450 | 30 | 100 | 120 | 20 | 190 | 125 | 175 | 225 | 250 | 275 | 100 | 485 | 1242 | 120 | 300 | 1630 | M16 | 37 | 86 |
| JT220RAD (wide) | 800 | 350 | 350~450 | 30 | 100 | 120 | 20 | 190 | 125 | 175 | 225 | 250 | 275 | 100 | 485 | 1242 | 120 | 300 | 1760 | M16 | 37 | 86 |

Single acting type

(Unit: mm)

| Model | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V |
|---------|-----|-----|---------|----|----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| JT40AD | 550 | 250 | 200~300 | 25 | 40 | 100 | 20 | 75 | 100 | 125 | 150 | 175 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 100 | 360 | 535 |
| JT70AD | 600 | 250 | 250~350 | 25 | 60 | 100 | 20 | 75 | 125 | 150 | 175 | 200 | 75 | 125 | 150 | 175 | 200 | 225 | 250 | 100 | 410 | 550 |
| JT100AD | 650 | 250 | 300~400 | 25 | 60 | 100 | 20 | 100 | 150 | 175 | 200 | 225 | 100 | 150 | 175 | 200 | 225 | 250 | 275 | 100 | 460 | 595 |

| Model | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|----|
| JT40AD | 460 | 120 | 280 | 603 | 830 | 710 | 535 | M16 | 32 | 330 | 55 |
| JT70AD | 500 | 120 | 280 | 703 | 930 | 760 | 620 | M16 | 32 | 390 | 55 |
| JT100AD | 550 | 120 | 280 | 793 | 990 | 840 | 710 | M16 | 32 | 440 | 70 |

■ Equipment Dimensions

Rotary type

(Unit: mm)

| Model | Injection module | L | W0 | W1 | W2 | H min. | H max. | h | Machine weight (t) |
|-----------------|------------------|------|------|------|------|--------|--------|------|--------------------|
| JT20RAD | 20V STD/HR* | 2226 | 1100 | 1930 | 1385 | 2393 | 2634 | 884 | 2.6 |
| | 20V-HS* | 2226 | 1100 | 1930 | 1385 | 2512 | 2992 | 884 | 2.7 |
| | 55V STD/HR | 2226 | 1100 | 1930 | 1385 | 2393 | 2790 | 884 | 2.7 |
| JT40RAD | 20V STD/HR | 2226 | 1220 | 2052 | 1385 | 2179 | 2689 | 889 | 3.1 |
| | 20V-HS | 2226 | 1220 | 2052 | 1385 | 2537 | 3047 | 889 | 3.2 |
| | 55V STD/HR | 2226 | 1220 | 2052 | 1385 | 2335 | 2845 | 889 | 3.2 |
| | 55V-HS | 2226 | 1220 | 2052 | 1385 | 2761 | 3271 | 889 | 3.3 |
| JT70RAD | 110V STD/HR | 2226 | 1220 | 2052 | 1385 | 2592 | 3102 | 889 | 3.4 |
| | 55V STD/HR | 2376 | 1360 | 2296 | 1405 | 2471 | 3061 | 995 | 4.0 |
| | 55V-HS | 2376 | 1360 | 2296 | 1405 | 2897 | 3487 | 995 | 4.2 |
| JT100RAD | 110V STD/HR | 2376 | 1360 | 2296 | 1405 | 2728 | 3318 | 995 | 4.2 |
| | 110V-HS | 2376 | 1360 | 2296 | 1405 | 3305 | 3895 | 995 | 4.5 |
| | 55V STD/HR | 2656 | 1520 | 2604 | 1710 | 2603 | 3223 | 1077 | 5.1 |
| | 55V-HS | 2656 | 1520 | 2604 | 1710 | 3029 | 3649 | 1077 | 5.3 |
| JT150RAD | 110V STD/HR | 2656 | 1520 | 2604 | 1710 | 2860 | 3480 | 1077 | 5.3 |
| | 110V-HS | 2656 | 1520 | 2604 | 1710 | 3437 | 4057 | 1077 | 5.6 |
| | 230V | 2656 | 1520 | 2604 | 1710 | 3165 | 3785 | 1077 | 6.0 |
| | 110V STD/HR | 2826 | 1720 | 2930 | 1900 | 3031 | 3671 | 1198 | 7.1 |
| | 110V-HS | 2826 | 1720 | 2930 | 1900 | 3608 | 4248 | 1198 | 7.3 |
| JT220RAD | 230V | 2826 | 1720 | 2930 | 1900 | 3336 | 3976 | 1198 | 7.6 |
| | 230V-HS | 2826 | 1720 | 2930 | 1900 | 3923 | 4563 | 1198 | 8.0 |
| | 230V | 3381 | 1850 | 3260 | 1850 | 3748 | 4548 | 1470 | 11.3 |
| | 230V-HS | 3381 | 1850 | 3260 | 1850 | 4245 | 5045 | 1470 | 11.8 |
| JT220RAD (Wide) | 410V | 3381 | 1850 | 3260 | 1850 | 4573 | 5373 | 1470 | 12.2 |
| | 410V-HS | 3381 | 1850 | 3260 | 1850 | 4618 | 5418 | 1470 | 12.4 |
| JT220RAD (Wide) | 230V | 3376 | 1980 | 3390 | 1850 | 3748 | 4548 | 1470 | 11.7 |
| | 230V-HS | 3376 | 1980 | 3390 | 1850 | 4245 | 5045 | 1470 | 12.2 |
| | 410V | 3376 | 1980 | 3390 | 1850 | 4573 | 5373 | 1470 | 12.7 |
| | 410V-HS | 3376 | 1980 | 3390 | 1850 | 4618 | 5418 | 1470 | 12.9 |

Single acting type

(Unit: mm)

| Model | Injection module | LO | L1 | W0 | W1 | H min. | H max. | h | Machine weight (t) |
|---------|------------------|------|------|------|------|--------|--------|------|--------------------|
| JT40AD | 20V STD/HR | 1832 | 2282 | 1425 | 2598 | 2300 | 2870 | 980 | 3.1 |
| | 20V-HS | 1832 | 2282 | 1425 | 2598 | 2658 | 3228 | 980 | 3.2 |
| | 55V STD/HR | 1832 | 2282 | 1425 | 2598 | 2456 | 3026 | 980 | 3.2 |
| | 55V-HS | 1832 | 2282 | 1425 | 2598 | 2882 | 3452 | 980 | 3.3 |
| | 110V STD/HR | 1832 | 2282 | 1425 | 2598 | 2713 | 3283 | 980 | 3.4 |
| JT70AD | 55V STD/HR | 1917 | 2422 | 1540 | 2923 | 2566 | 3156 | 1040 | 3.9 |
| | 55V-HS | 1917 | 2422 | 1540 | 2923 | 2992 | 3582 | 1040 | 4.0 |
| | 110V STD/HR | 1917 | 2422 | 1540 | 2923 | 2823 | 3413 | 1040 | 4.1 |
| | 110V-HS | 1917 | 2422 | 1540 | 2923 | 3400 | 3990 | 1040 | 4.3 |
| JT100AD | 55V STD/HR | 1990 | 2484 | 1620 | 3234 | 2680 | 3300 | 1104 | 4.5 |
| | 55V-HS | 1990 | 2484 | 1620 | 3234 | 3106 | 3726 | 1104 | 4.6 |
| | 110V STD/HR | 1990 | 2484 | 1620 | 3234 | 2937 | 3557 | 1104 | 4.8 |
| | 110V-HS | 1990 | 2484 | 1620 | 3234 | 3515 | 4135 | 1104 | 5.0 |
| | 230V | 1990 | 2484 | 1620 | 3234 | 3242 | 3862 | 1104 | 5.3 |

HR*...Low-inertia (option) HS*...High-speed (option)

Rotary Type Performance Table

| Unit | Item | Model | JT20RAD | | | | | | JT40RAD | | | | | | |
|----------------------------|--------------------------------|---------------------------|---------------------|------|----------|------|------|----------------------|---------------|------|----------|------|------|-------|------|
| | | | 20V | | | 55V | | | 20V | | | 55V | | | |
| Injection Unit | Screw barrel type | — | K | A | B(OP) | K | A | B(OP) | K | A | B(OP) | K | A | B(OP) | |
| | Screw diameter | mm | 18 | 20 | 22 | 25 | 28 | 32 | 18 | 20 | 22 | 25 | 28 | 32 | |
| | Screw stroke | mm | 65 | | | 90 | | | 65 | | | 90 | | | |
| | Theoretical injection capacity | cm ³ | 17 | 20 | 25 | 44 | 55 | 72 | 17 | 20 | 25 | 44 | 55 | 72 | |
| | Injection capacity (GP-PS) | g | 16 | 19 | 24 | 42 | 52 | 68 | 16 | 19 | 24 | 42 | 52 | 68 | |
| | Standard | Injection pressure (Max.) | MPa | 222 | 180 | 149 | 226 | 180 | 138 | 222 | 180 | 149 | 226 | 180 | 138 |
| | | | kgf/cm ² | 2260 | 1840 | 1520 | 2300 | 1840 | 1410 | 2260 | 1840 | 1520 | 2300 | 1840 | 1410 |
| | | Holding pressure (Max.) | MPa | 200 | 162 | 134 | 203 | 162 | 124 | 200 | 162 | 134 | 203 | 162 | 124 |
| | | | kgf/cm ² | 2040 | 1650 | 1370 | 2070 | 1650 | 1260 | 2040 | 1650 | 1370 | 2070 | 1650 | 1260 |
| | | Injection speed | mm/s | 300 | | | 270 | | | 300 | | | 270 | | |
| | | Injection rate | cm ³ /s | 76 | 94 | 114 | 133 | 166 | 217 | 76 | 94 | 114 | 133 | 166 | 217 |
| | | Plasticizing rate (GP-PS) | kg/h | 14 | 18 | 22 | 20 | 25 | 30 | 14 | 18 | 22 | 20 | 25 | 30 |
| | Screw speed | min ⁻¹ | 500 | | | 350 | | | 500 | | | 350 | | | |
| | Low-inertia (HR) OP | Injection pressure (Max.) | MPa | 247 | 200 | 165 | 251 | 200 | 153 | 247 | 200 | 165 | 251 | 200 | 153 |
| | | | kgf/cm ² | 2520 | 2040 | 1680 | 2560 | 2040 | 1560 | 2520 | 2040 | 1680 | 2560 | 2040 | 1560 |
| | | Holding pressure (Max.) | MPa | 222 | 180 | 149 | 226 | 180 | 138 | 222 | 180 | 149 | 226 | 180 | 138 |
| | | | kgf/cm ² | 2260 | 1840 | 1520 | 2300 | 1840 | 1410 | 2260 | 1840 | 1520 | 2300 | 1840 | 1410 |
| | | Injection speed | mm/s | 350 | | | 350 | | | 350 | | | 350 | | |
| | | Injection rate | cm ³ /s | 89 | 110 | 133 | 172 | 216 | 281 | 89 | 110 | 133 | 172 | 216 | 281 |
| Plasticizing rate (GP-PS) | | kg/h | 14 | 18 | 22 | 20 | 25 | 30 | 14 | 18 | 22 | 20 | 25 | 30 | |
| Screw speed | min ⁻¹ | 500 | | | 350 | | | 500 | | | 350 | | | | |
| High-speed (HS) OP | Injection pressure (Max.) | MPa | 247 | 200 | 165 | — | — | — | 247 | 200 | 165 | 251 | 200 | 153 | |
| | | kgf/cm ² | 2520 | 2040 | 1680 | — | — | — | 2520 | 2040 | 1680 | 2560 | 2040 | 1560 | |
| | Holding pressure (Max.) | MPa | 222 | 180 | 149 | — | — | — | 222 | 180 | 149 | 226 | 180 | 138 | |
| | | kgf/cm ² | 2260 | 1840 | 1520 | — | — | — | 2260 | 1840 | 1520 | 2300 | 1840 | 1410 | |
| | Injection speed | mm/s | 550 | | | — | | | 550 | | | 500 | | | |
| | Injection rate | cm ³ /s | 140 | 173 | 209 | — | — | — | 140 | 173 | 209 | 245 | 308 | 402 | |
| | Plasticizing rate (GP-PS) | kg/h | 14 | 18 | 22 | — | — | — | 14 | 18 | 22 | 20 | 25 | 30 | |
| Screw speed | min ⁻¹ | 500 | | | — | | | 500 | | | 350 | | | | |
| Nozzle touch force | kN {tf} | 15 {1.5} | | | 15 {1.5} | | | 15 {1.5} | | | 15 {1.5} | | | | |
| Nozzle stroke from platen | mm | 20 | | | | | | 20 | | | | | | | |
| Type of nozzle | — | Open nozzle | | | | | | Open nozzle | | | | | | | |
| Barrel temperature control | — | Barrel: 3, nozzle: 2 | | | | | | Barrel: 3, nozzle: 2 | | | | | | | |
| Heater wattage | kW | 3.0 | | | 5.5 | | | 3.0 | | | 5.5 | | | | |
| Clamping Unit | Mechanism | — | Double toggle | | | | | | Double toggle | | | | | | |
| | Clamping force | kN {tf} | 196 {20} | | | | | | 392 {40} | | | | | | |
| | Daylight opening (Max.) | mm | 430 | | | | | | 470 | | | | | | |
| | Opening stroke (Max.) | mm | 200 | | | | | | 200 | | | | | | |
| | Mold height | mm | 150 ~ 230 | | | | | | 170 ~ 270 | | | | | | |
| | Mold size (Max.) | mm | 305 × 305 | | | | | | 365 × 365 | | | | | | |
| | Lower mold weight (Max.) | kg | 150 × 2 | | | | | | 225 × 2 | | | | | | |
| | Table outside diameter | mm | 912 | | | | | | 1032 | | | | | | |
| | Ejector point | — | 1 point | | | | | | 1 point | | | | | | |
| | Ejector force | kN {tf} | 18 {1.8} | | | | | | 18 {1.8} | | | | | | |
| | Ejector stroke | mm | 40 | | | | | | 40 | | | | | | |
| Miscellaneous | Machine weight | t | 2.6 | | | 2.7 | | | 3.1 | | | 3.2 | | | |
| | Machine weight (HS) | t | 2.7 | | | — | | | 3.2 | | | 3.3 | | | |
| | Machine dimensions (L×W×H) | m | 2.23 | 1.39 | 2.64 | 2.23 | 1.39 | 2.79 | 2.23 | 1.39 | 2.69 | 2.23 | 1.39 | 2.85 | |
| | Machine dimensions (HS)(L×W×H) | m | 2.23 | 1.39 | 3.00 | — | — | — | 2.23 | 1.39 | 3.05 | 2.23 | 1.39 | 3.28 | |
| | Table height | mm | 844 | | | | | | 889 | | | | | | |

Remarks:

- Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
- The theoretical injection capacity is (cross sectional area of barrel) × (stroke of screw).
- The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
- The plasticizing rate is applicable for GP-PS.
- PC, HPVC, other engineering plastic, etc., low temperature setting and high speed molding may require a high torque depending on the grade or molding conditions. Please contact us if you plan.

Note:

- Due to continual improvements, specifications are subject to change without notice.
- Actual figures of the specification will vary depending on final machine configuration. Please contact us if you require more specific data.
- Performance specifications are based on theoretical data.
- Low inertia injection specifications and high-speed injection specifications can be handled as option.
- Screw cylinder size B is optional.
- 1 MPa = 10.2 kgf/cm², 1 kN = 0.102 tf

| | JT40RAD | | | JT70RAD | | | | | | JT100RAD | | | | | | | | |
|--|----------------------|------|-------|----------------------|------|-------|----------|------|-------|----------------------|------|-------|----------|------|-------|----------|------|-------|
| | 110V | | | 55V | | | 110V | | | 55V | | | 110V | | | 230V | | |
| | K | A | B(OP) | K | A | B(OP) | K | A | B(OP) | K | A | B(OP) | K | A | B(OP) | K | A | B(OP) |
| | 32 | 35 | 40 | 25 | 28 | 32 | 32 | 35 | 40 | 25 | 28 | 32 | 32 | 35 | 40 | 40 | 45 | 50 |
| | 110 | | | 90 | | | 110 | | | 90 | | | 110 | | | 145 | | |
| | 88 | 106 | 138 | 44 | 55 | 72 | 88 | 106 | 138 | 44 | 55 | 72 | 88 | 106 | 138 | 182 | 231 | 285 |
| | 84 | 101 | 131 | 42 | 52 | 68 | 84 | 101 | 131 | 42 | 52 | 68 | 84 | 101 | 131 | 173 | 219 | 271 |
| | 215 | 180 | 138 | 226 | 180 | 138 | 215 | 180 | 138 | 226 | 180 | 138 | 215 | 180 | 138 | 228 | 180 | 146 |
| | 2190 | 1840 | 1410 | 2300 | 1840 | 1410 | 2190 | 1840 | 1410 | 2300 | 1840 | 1410 | 2190 | 1840 | 1410 | 2320 | 1840 | 1490 |
| | 194 | 162 | 124 | 203 | 162 | 124 | 194 | 162 | 124 | 203 | 162 | 124 | 194 | 162 | 124 | 205 | 162 | 131 |
| | 1980 | 1650 | 1260 | 2070 | 1650 | 1260 | 1980 | 1650 | 1260 | 2070 | 1650 | 1260 | 1980 | 1650 | 1260 | 2090 | 1650 | 1340 |
| | 160 | | | 270 | | | 160 | | | 270 | | | 160 | | | 160 | | |
| | 129 | 154 | 201 | 133 | 166 | 217 | 129 | 154 | 201 | 133 | 166 | 217 | 129 | 154 | 201 | 201 | 254 | 314 |
| | 30 | 40 | 50 | 20 | 25 | 30 | 30 | 40 | 50 | 20 | 25 | 30 | 30 | 40 | 50 | 60 | 76 | 88 |
| | 300 | | | 350 | | | 300 | | | 350 | | | 300 | | | 250 | | |
| | 239 | 200 | 153 | 251 | 200 | 153 | 239 | 200 | 153 | 251 | 200 | 153 | 239 | 200 | 153 | — | — | — |
| | 2440 | 2040 | 1560 | 2560 | 2040 | 1560 | 2440 | 2040 | 1560 | 2560 | 2040 | 1560 | 2440 | 2040 | 1560 | — | — | — |
| | 215 | 180 | 138 | 226 | 180 | 138 | 215 | 180 | 138 | 226 | 180 | 138 | 215 | 180 | 138 | — | — | — |
| | 2190 | 1840 | 1410 | 2300 | 1840 | 1410 | 2190 | 1840 | 1410 | 2300 | 1840 | 1410 | 2190 | 1840 | 1410 | — | — | — |
| | 200 | | | 350 | | | 200 | | | 350 | | | 200 | | | — | | |
| | 161 | 192 | 251 | 172 | 216 | 281 | 161 | 192 | 251 | 172 | 216 | 281 | 161 | 192 | 251 | — | — | — |
| | 30 | 40 | 50 | 20 | 25 | 30 | 30 | 40 | 50 | 20 | 25 | 30 | 30 | 40 | 50 | — | — | — |
| | 300 | | | 350 | | | 300 | | | 350 | | | 300 | | | — | | |
| | — | — | — | 251 | 200 | 153 | 239 | 200 | 153 | 251 | 200 | 153 | 239 | 200 | 153 | — | — | — |
| | — | — | — | 2560 | 2040 | 1560 | 2440 | 2040 | 1560 | 2560 | 2040 | 1560 | 2440 | 2040 | 1560 | — | — | — |
| | — | — | — | 226 | 180 | 138 | 215 | 180 | 138 | 226 | 180 | 138 | 215 | 180 | 138 | — | — | — |
| | — | — | — | 2300 | 1840 | 1410 | 2190 | 1840 | 1410 | 2300 | 1840 | 1410 | 2190 | 1840 | 1410 | — | — | — |
| | — | | | 500 | | | 350 | | | 500 | | | 350 | | | — | | |
| | — | — | — | 245 | 308 | 402 | 281 | 337 | 440 | 245 | 308 | 402 | 281 | 337 | 440 | — | — | — |
| | — | — | — | 20 | 25 | 30 | 30 | 40 | 50 | 20 | 25 | 30 | 30 | 40 | 50 | — | — | — |
| | — | | | 350 | | | 300 | | | 350 | | | 300 | | | — | | |
| | 15 {1.5} | | | 15 {1.5} | | | 15 {1.5} | | | 15 {1.5} | | | 15 {1.5} | | | 15 {1.5} | | |
| | 20 | | | 20 | | | | | | 20 | | | | | | | | |
| | Open nozzle | | | Open nozzle | | | | | | Open nozzle | | | | | | | | |
| | Barrel: 3, nozzle: 2 | | | Barrel: 3, nozzle: 2 | | | | | | Barrel: 3, nozzle: 2 | | | | | | | | |
| | 7.7 | | | 5.5 | | | 7.7 | | | 5.5 | | | 7.7 | | | 12.4 | | |
| | Double toggle | | | Double toggle | | | | | | Double toggle | | | | | | | | |
| | 392 {40} | | | 686 {70} | | | | | | 981 {100} | | | | | | | | |
| | 470 | | | 550 | | | | | | 600 | | | | | | | | |
| | 200 | | | 250 | | | | | | 250 | | | | | | | | |
| | 170 ~ 270 | | | 200 ~ 300 | | | | | | 250 ~ 350 | | | | | | | | |
| | 365×365 | | | 405×405 | | | | | | 455×455 | | | | | | | | |
| | 225×2 | | | 300×2 | | | | | | 400×2 | | | | | | | | |
| | 1032 | | | 1160 | | | | | | 1310 | | | | | | | | |
| | 1 point | | | 1 point | | | | | | 1 point | | | | | | | | |
| | 18 {1.8} | | | 26 {2.7} | | | | | | 26 {2.7} | | | | | | | | |
| | 40 | | | 60 | | | | | | 60 | | | | | | | | |
| | 3.4 | | | 4.0 | | | 4.2 | | | 5.1 | | | 5.3 | | | 6.0 | | |
| | — | | | 4.2 | | | 4.5 | | | 5.3 | | | 5.6 | | | — | | |
| | 2.23 | 1.39 | 3.11 | 2.38 | 1.41 | 3.07 | 2.38 | 1.41 | 3.32 | 2.66 | 1.71 | 3.23 | 2.66 | 1.71 | 3.48 | 2.66 | 1.71 | 3.79 |
| | — | | | 2.38 | 1.41 | 3.49 | 2.38 | 1.41 | 3.90 | 2.66 | 1.71 | 3.65 | 2.66 | 1.71 | 4.06 | — | — | — |
| | 889 | | | 995 | | | | | | 1077 | | | | | | | | |

Rotary Type Performance Table

| Unit | Item | Model | JT150RAD | | | | | | JT220RAD | | | | | | |
|----------------------------|---------------------------------|---------------------------|---------------------|------|----------|------|------|----------------------|---------------|------|----------|------|------|-------|------|
| | | | 110V | | | 230V | | | 230V | | | 410V | | | |
| | | Unit | K | A | B(OP) | K | A | B(OP) | K | A | B(OP) | K | A | B(OP) | |
| Injection Unit | Screw barrel type | — | K | A | B(OP) | K | A | B(OP) | K | A | B(OP) | K | A | B(OP) | |
| | Screw diameter | mm | 32 | 35 | 40 | 40 | 45 | 50 | 40 | 45 | 50 | 46 | 53 | 58 | |
| | Screw stroke | mm | 110 | | | 145 | | | 145 | | | 185 | | | |
| | Theoretical injection capacity | cm ³ | 88 | 106 | 138 | 182 | 231 | 285 | 182 | 231 | 285 | 307 | 408 | 489 | |
| | Injection capacity (GP-PS) | g | 84 | 101 | 131 | 173 | 219 | 271 | 173 | 219 | 271 | 292 | 388 | 465 | |
| | Standard | Injection pressure (Max.) | MPa | 215 | 180 | 138 | 228 | 180 | 146 | 228 | 180 | 146 | 239 | 180 | 150 |
| | | | kgf/cm ² | 2190 | 1840 | 1410 | 2320 | 1840 | 1490 | 2320 | 1840 | 1490 | 2440 | 1840 | 1530 |
| | | Holding pressure (Max.) | MPa | 194 | 162 | 124 | 205 | 162 | 131 | 205 | 162 | 131 | 215 | 162 | 135 |
| | | | kgf/cm ² | 1980 | 1650 | 1260 | 2090 | 1650 | 1340 | 2090 | 1650 | 1340 | 2190 | 1650 | 1380 |
| | | Injection speed | mm/s | 160 | | | 160 | | | 160 | | | 160 | | |
| | | Injection rate | cm ³ /s | 129 | 154 | 201 | 201 | 254 | 314 | 201 | 254 | 314 | 266 | 353 | 423 |
| | | Plasticizing rate (GP-PS) | kg/h | 30 | 40 | 50 | 60 | 76 | 88 | 60 | 76 | 88 | 70 | 100 | 125 |
| | Screw speed | min ⁻¹ | 300 | | | 250 | | | 250 | | | 220 | | | |
| | Low-inertia (HR) OP | Injection pressure (Max.) | MPa | 239 | 200 | 153 | — | — | — | — | — | — | — | — | — |
| | | | kgf/cm ² | 2440 | 2040 | 1560 | — | — | — | — | — | — | — | — | — |
| | | Holding pressure (Max.) | MPa | 215 | 180 | 138 | — | — | — | — | — | — | — | — | — |
| | | | kgf/cm ² | 2190 | 1840 | 1410 | — | — | — | — | — | — | — | — | — |
| | | Injection speed | mm/s | 200 | | | — | | | — | | | — | | |
| | | Injection rate | cm ³ /s | 161 | 192 | 251 | — | — | — | — | — | — | — | — | — |
| | | Plasticizing rate (GP-PS) | kg/h | 30 | 40 | 50 | — | — | — | — | — | — | — | — | — |
| | Screw speed | min ⁻¹ | 300 | | | — | | | — | | | — | | | |
| High-speed (HS) OP | Injection pressure (Max.) | MPa | 239 | 200 | 153 | 228 | 180 | 146 | 228 | 180 | 146 | 239 | 180 | 150 | |
| | | kgf/cm ² | 2440 | 2040 | 1560 | 2320 | 1840 | 1490 | 2320 | 1840 | 1490 | 2440 | 1840 | 1530 | |
| | Holding pressure (Max.) | MPa | 215 | 180 | 138 | 205 | 162 | 131 | 205 | 162 | 131 | 215 | 162 | 135 | |
| | | kgf/cm ² | 2190 | 1840 | 1410 | 2090 | 1650 | 1340 | 2090 | 1650 | 1340 | 2190 | 1650 | 1380 | |
| | Injection speed | mm/s | 350 | | | 330 | | | 330 | | | 300 | | | |
| | Injection rate | cm ³ /s | 281 | 337 | 440 | 415 | 525 | 648 | 415 | 525 | 648 | 499 | 662 | 793 | |
| | Plasticizing rate (GP-PS) | kg/h | 30 | 40 | 50 | 60 | 76 | 88 | 60 | 76 | 88 | 70 | 100 | 125 | |
| Screw speed | min ⁻¹ | 300 | | | 250 | | | 250 | | | 220 | | | | |
| Nozzle touch force | kN {tf} | 15 {1.5} | | | 15 {1.5} | | | 15 {1.5} | | | 20 {2.0} | | | | |
| Nozzle stroke from platen | mm | 20 | | | | | | 20 | | | | | | | |
| Type of nozzle | — | Open nozzle | | | | | | Open nozzle | | | | | | | |
| Barrel temperature control | — | Barrel: 3, nozzle: 2 | | | | | | Barrel: 3, nozzle: 2 | | | | | | | |
| Heater wattage | kW | 7.7 | | | 12.4 | | | 12.4 | | | 13.1 | | | | |
| Clamping Unit | Mechanism | — | Double toggle | | | | | | Double toggle | | | | | | |
| | Clamping force | kN {tf} | 1471 {150} | | | | | | 2160 {220} | | | | | | |
| | Daylight opening (Max.) | mm | 650 | | | | | | 800 | | | | | | |
| | Opening stroke (Max.) | mm | 250 | | | | | | 350 | | | | | | |
| | Mold height | mm | 300 ~ 400 | | | | | | 350 ~ 450 | | | | | | |
| | Mold size (Max.) | mm | 510×510 | | | | | | 560×560 | | | | | | |
| | Lower mold weight (Max.) | kg | 500×2 | | | | | | 690×2 | | | | | | |
| | Table outside diameter | mm | 1490 | | | | | | 1630 | | | | | | |
| | Ejector point | — | 1 point | | | | | | 3 points | | | | | | |
| | Ejector force | kN {tf} | 26 {2.7} | | | | | | 42{4.3} | | | | | | |
| Ejector stroke | mm | 60 | | | | | | 100 | | | | | | | |
| Miscellaneous | Machine weight | t | 7.1 | | | 7.6 | | | 11.3 | | | 12.2 | | | |
| | Machine weight (HS) | t | 7.3 | | | 8.0 | | | 11.8 | | | 12.4 | | | |
| | Machine dimensions (L×W×H) | m | 2.83 | 1.90 | 3.68 | 2.83 | 1.90 | 3.98 | 3.38 | 1.85 | 4.55 | 3.38 | 1.85 | 5.38 | |
| | Machine dimensions (HS) (L×W×H) | m | 2.83 | 1.90 | 4.25 | 2.83 | 1.90 | 4.57 | 3.38 | 1.85 | 5.05 | 3.38 | 1.85 | 5.42 | |
| | Table height | mm | 1198 | | | | | | 1470 | | | | | | |

Remarks:

- Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
- The theoretical injection capacity is (cross sectional area of barrel) × (stroke of screw).
- The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
- The plasticizing rate is applicable for GP-PS.
- PC, HPVC, other engineering plastic, etc., low temperature setting and high speed molding may require a high torque depending on the grade or molding conditions. Please contact us if you plan.

Note:

- Due to continual improvements, specifications are subject to change without notice.
- Actual figures of the specification will vary depending on final machine configuration. Please contact us if you require more specific data.
- Performance specifications are based on theoretical data.
- Low inertia injection specifications and high-speed injection specifications can be handled as option.
- Screw cylinder size B is optional.
- 1 MPa = 10.2 kgf/cm², 1 kN = 0.102 tf

| JT220RAD(Wide) (OP) | | | | | | |
|----------------------|------|-------|----------|------|-------|--|
| 230V | | | 410V | | | |
| K | A | B(OP) | K | A | B(OP) | |
| 40 | 45 | 50 | 46 | 53 | 58 | |
| 145 | | | 185 | | | |
| 182 | 231 | 285 | 307 | 408 | 489 | |
| 173 | 219 | 271 | 292 | 388 | 465 | |
| 228 | 180 | 146 | 239 | 180 | 150 | |
| 2320 | 1840 | 1490 | 2440 | 1840 | 1530 | |
| 205 | 162 | 131 | 215 | 162 | 135 | |
| 2090 | 1650 | 1340 | 2190 | 1650 | 1380 | |
| 160 | | | 160 | | | |
| 201 | 254 | 314 | 266 | 353 | 423 | |
| 60 | 76 | 88 | 70 | 100 | 125 | |
| 250 | | | 220 | | | |
| – | – | – | – | – | – | |
| – | – | – | – | – | – | |
| – | – | – | – | – | – | |
| – | – | – | – | – | – | |
| – | | | – | | | |
| – | – | – | – | – | – | |
| – | – | – | – | – | – | |
| – | | | – | | | |
| 228 | 180 | 146 | 239 | 180 | 150 | |
| 2320 | 1840 | 1490 | 2440 | 1840 | 1530 | |
| 205 | 162 | 131 | 215 | 162 | 135 | |
| 2090 | 1650 | 1340 | 2190 | 1650 | 1380 | |
| 330 | | | 300 | | | |
| 415 | 525 | 648 | 499 | 662 | 793 | |
| 60 | 76 | 88 | 70 | 100 | 125 | |
| 250 | | | 220 | | | |
| 15 {1.5} | | | 20 {2.0} | | | |
| 20 | | | | | | |
| Open nozzle | | | | | | |
| Barrel: 3, nozzle: 2 | | | | | | |
| 12.4 | | | 13.1 | | | |
| Double toggle | | | | | | |
| 2160 {220} | | | | | | |
| 800 | | | | | | |
| 350 | | | | | | |
| 350 ~ 450 | | | | | | |
| 660×660 | | | | | | |
| 690×2 | | | | | | |
| 1760 | | | | | | |
| 3 points | | | | | | |
| 42 {4.3} | | | | | | |
| 100 | | | | | | |
| 11.7 | | | 12.7 | | | |
| 12.2 | | | 12.9 | | | |
| 3.38 | 1.98 | 4.55 | 3.38 | 1.98 | 5.38 | |
| 3.38 | 1.98 | 5.05 | 3.38 | 1.98 | 5.42 | |
| 1470 | | | | | | |

Single Acting Type Performance Table

| Unit | Item | Model | JT40AD | | | | | | | | | JT70AD | | | |
|----------------------------|---------------------------------|---------------------------|---------------------|------|----------|------|------|----------|------|------|----------|---------------|------|-------|------|
| | | | 20V | | | 55V | | | 110V | | | 55V | | | |
| | | Unit | K | A | B(OP) | K | A | B(OP) | K | A | B(OP) | K | A | B(OP) | |
| Injection Unit | Screw barrel type | — | K | A | B(OP) | K | A | B(OP) | K | A | B(OP) | K | A | B(OP) | |
| | Screw diameter | mm | 18 | 20 | 22 | 25 | 28 | 32 | 32 | 35 | 40 | 25 | 28 | 32 | |
| | Screw stroke | mm | 65 | | | 90 | | | 110 | | | 90 | | | |
| | Theoretical injection capacity | cm ³ | 17 | 20 | 25 | 44 | 55 | 72 | 88 | 106 | 138 | 44 | 55 | 72 | |
| | Injection capacity (GP-PS) | g | 16 | 19 | 24 | 42 | 52 | 68 | 84 | 101 | 131 | 42 | 52 | 68 | |
| | Standard | Injection pressure (Max.) | MPa | 222 | 180 | 149 | 226 | 180 | 138 | 215 | 180 | 138 | 226 | 180 | 138 |
| | | | kgf/cm ² | 2260 | 1840 | 1520 | 2300 | 1840 | 1410 | 2190 | 1840 | 1410 | 2300 | 1840 | 1410 |
| | | Holding pressure (Max.) | MPa | 200 | 162 | 134 | 203 | 162 | 124 | 194 | 162 | 124 | 203 | 162 | 124 |
| | | | kgf/cm ² | 2040 | 1650 | 1370 | 2070 | 1650 | 1260 | 1980 | 1650 | 1260 | 2070 | 1650 | 1260 |
| | | Injection speed | mm/s | 300 | | | 270 | | | 160 | | | 270 | | |
| | | Injection rate | cm ³ /s | 76 | 94 | 114 | 133 | 166 | 217 | 129 | 154 | 201 | 133 | 166 | 217 |
| | | Plasticizing rate (GP-PS) | kg/h | 14 | 18 | 22 | 20 | 25 | 30 | 30 | 40 | 50 | 20 | 25 | 30 |
| | Screw speed | min ⁻¹ | 500 | | | 350 | | | 300 | | | 350 | | | |
| | Low-inertia (HR) OP | Injection pressure (Max.) | MPa | 247 | 200 | 165 | 251 | 200 | 153 | 239 | 200 | 153 | 251 | 200 | 153 |
| | | | kgf/cm ² | 2520 | 2040 | 1680 | 2560 | 2040 | 1560 | 2440 | 2040 | 1560 | 2560 | 2040 | 1560 |
| | | Holding pressure (Max.) | MPa | 222 | 180 | 149 | 226 | 180 | 138 | 215 | 180 | 138 | 226 | 180 | 138 |
| | | | kgf/cm ² | 2260 | 1840 | 1520 | 2300 | 1840 | 1410 | 2190 | 1840 | 1410 | 2300 | 1840 | 1410 |
| | | Injection speed | mm/s | 350 | | | 350 | | | 200 | | | 350 | | |
| | | Injection rate | cm ³ /s | 89 | 110 | 133 | 172 | 216 | 281 | 161 | 192 | 251 | 172 | 216 | 281 |
| | Plasticizing rate (GP-PS) | kg/h | 14 | 18 | 22 | 20 | 25 | 30 | 30 | 40 | 50 | 20 | 25 | 30 | |
| | Screw speed | min ⁻¹ | 500 | | | 350 | | | 300 | | | 350 | | | |
| High-speed (HS) OP | Injection pressure (Max.) | MPa | 247 | 200 | 165 | 251 | 200 | 153 | — | — | — | 251 | 200 | 153 | |
| | | kgf/cm ² | 2520 | 2040 | 1680 | 2560 | 2040 | 1560 | — | — | — | 2560 | 2040 | 1560 | |
| | Holding pressure (Max.) | MPa | 222 | 180 | 149 | 226 | 180 | 138 | — | — | — | 226 | 180 | 138 | |
| | | kgf/cm ² | 2260 | 1840 | 1520 | 2300 | 1840 | 1410 | — | — | — | 2300 | 1840 | 1410 | |
| | Injection speed | mm/s | 550 | | | 500 | | | — | | | 500 | | | |
| | Injection rate | cm ³ /s | 140 | 173 | 209 | 245 | 308 | 402 | — | — | — | 245 | 308 | 402 | |
| Plasticizing rate (GP-PS) | kg/h | 14 | 18 | 22 | 20 | 25 | 30 | — | — | — | 20 | 25 | 30 | | |
| Screw speed | min ⁻¹ | 500 | | | 350 | | | — | | | 350 | | | | |
| Nozzle touch force | kN {tf} | 15 {1.5} | | | 15 {1.5} | | | 15 {1.5} | | | 15 {1.5} | | | | |
| Nozzle stroke from platen | mm | 20 | | | | | | | | | | | | | |
| Type of nozzle | — | Open Nozzle | | | | | | | | | | | | | |
| Barrel temperature control | — | Barrel: 3, nozzle: 2 | | | | | | | | | | | | | |
| Heater wattage | kW | 3.0 | | | 5.5 | | | 7.7 | | | 5.5 | | | | |
| Clamping Unit | Mechanism | — | Double toggle | | | | | | | | | Double toggle | | | |
| | Clamping force | kN {tf} | 392 {40} | | | | | | | | | 686 {70} | | | |
| | Daylight opening (Max.) | mm | 550 | | | | | | | | | 600 | | | |
| | Opening stroke (Max.) | mm | 250 | | | | | | | | | 250 | | | |
| | Mold height | mm | 200 ~ 300 | | | | | | | | | 250 ~ 350 | | | |
| | Distance between tie-bars (D×W) | mm | 360×535 | | | | | | | | | 410×550 | | | |
| | Ejector point | — | 5 points | | | | | | | | | 5 points | | | |
| | Ejector force | kN {tf} | 18 {1.8} | | | | | | | | | 26 {2.7} | | | |
| | Ejector stroke | mm | 40 | | | | | | | | | 60 | | | |
| Miscellaneous | Machine weight | t | 3.1 | | | 3.2 | | | 3.4 | | | 3.9 | | | |
| | Machine weight (HS) | t | 3.2 | | | 3.3 | | | — | | | 4.0 | | | |
| | Machine dimensions (L×W×H) | m | 1.83 | 1.43 | 2.87 | 1.83 | 1.43 | 3.03 | 1.83 | 1.43 | 3.29 | 1.92 | 1.54 | 3.16 | |
| | Machine dimensions (HS) (L×W×H) | m | 1.83 | 1.43 | 3.23 | 1.83 | 1.43 | 3.46 | — | — | — | 1.92 | 1.54 | 3.59 | |
| | Table height | mm | 980 | | | | | | | | | 1040 | | | |

Remarks:

1. Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
2. The theoretical injection capacity is (cross sectional area of barrel) × (stroke of screw).
3. The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
4. The plasticizing rate is applicable for GP-PS.
5. PC, HPVC, other engineering plastic, etc., low temperature setting and high speed molding may require a high torque depending on the grade or molding conditions. Please contact us if you plan.

Note:

1. Due to continual improvements, specifications are subject to change without notice.
2. Actual figures of the specification will vary depending on final machine configuration. Please contact us if you require more specific data.
3. Performance specifications are based on theoretical data.
4. Low inertia injection specifications and high-speed injection specifications can be handled as option.
5. Screw cylinder size B is optional.
6. 1 MPa = 10.2 kgf/cm², 1 kN = 0.102 tf

| | JT70AD | | | JT100AD | | | | | | | | |
|--|----------------------|------|-------|----------------------|------|-------|----------------------|------|-------|----------------------|------|-------|
| | 110V | | | 55V | | | 110V | | | 230V | | |
| | K | A | B(OP) | K | A | B(OP) | K | A | B(OP) | K | A | B(OP) |
| | 32 | 35 | 40 | 25 | 28 | 32 | 32 | 35 | 40 | 40 | 45 | 50 |
| | 110 | | | 90 | | | 110 | | | 145 | | |
| | 88 | 106 | 138 | 44 | 55 | 72 | 88 | 106 | 138 | 182 | 231 | 285 |
| | 84 | 101 | 131 | 42 | 52 | 68 | 84 | 101 | 131 | 173 | 219 | 271 |
| | 215 | 180 | 138 | 226 | 180 | 138 | 215 | 180 | 138 | 228 | 180 | 146 |
| | 2190 | 1840 | 1410 | 2300 | 1840 | 1410 | 2190 | 1840 | 1410 | 2320 | 1840 | 1490 |
| | 194 | 162 | 124 | 203 | 162 | 124 | 194 | 162 | 124 | 205 | 162 | 131 |
| | 1980 | 1650 | 1260 | 2070 | 1650 | 1260 | 1980 | 1650 | 1260 | 2090 | 1650 | 1340 |
| | 160 | | | 270 | | | 160 | | | 160 | | |
| | 129 | 154 | 201 | 133 | 166 | 217 | 129 | 154 | 201 | 201 | 254 | 314 |
| | 30 | 40 | 50 | 20 | 25 | 30 | 30 | 40 | 50 | 60 | 76 | 88 |
| | 300 | | | 350 | | | 300 | | | 250 | | |
| | 239 | 200 | 153 | 251 | 200 | 153 | 239 | 200 | 153 | — | — | — |
| | 2440 | 2040 | 1560 | 2560 | 2040 | 1560 | 2440 | 2040 | 1560 | — | — | — |
| | 215 | 180 | 138 | 226 | 180 | 138 | 215 | 180 | 138 | — | — | — |
| | 2190 | 1840 | 1410 | 2300 | 1840 | 1410 | 2190 | 1840 | 1410 | — | — | — |
| | 200 | | | 350 | | | 200 | | | — | | |
| | 161 | 192 | 251 | 172 | 216 | 281 | 161 | 192 | 251 | — | — | — |
| | 30 | 40 | 50 | 20 | 25 | 30 | 30 | 40 | 50 | — | — | — |
| | 300 | | | 350 | | | 300 | | | — | | |
| | 239 | 200 | 153 | 251 | 200 | 153 | 239 | 200 | 153 | — | — | — |
| | 2440 | 2040 | 1560 | 2560 | 2040 | 1560 | 2440 | 2040 | 1560 | — | — | — |
| | 215 | 180 | 138 | 226 | 180 | 138 | 215 | 180 | 138 | — | — | — |
| | 2190 | 1840 | 1410 | 2300 | 1840 | 1410 | 2190 | 1840 | 1410 | — | — | — |
| | 350 | | | 500 | | | 350 | | | — | | |
| | 281 | 337 | 440 | 245 | 308 | 402 | 281 | 337 | 440 | — | — | — |
| | 30 | 40 | 50 | 20 | 25 | 30 | 30 | 40 | 50 | — | — | — |
| | 300 | | | 350 | | | 300 | | | — | | |
| | 15 {1.5} | | | 15 {1.5} | | | 15 {1.5} | | | 15 {1.5} | | |
| | 20 | | | 20 | | | 20 | | | 20 | | |
| | Open Nozzle | | | Open Nozzle | | | Open Nozzle | | | Open Nozzle | | |
| | Barrel: 3, nozzle: 2 | | | Barrel: 3, nozzle: 2 | | | Barrel: 3, nozzle: 2 | | | Barrel: 3, nozzle: 2 | | |
| | 7.7 | | | 5.5 | | | 7.7 | | | 12.4 | | |
| | Double toggle | | | Double toggle | | | Double toggle | | | Double toggle | | |
| | 686 {70} | | | 981 {100} | | | 981 {100} | | | 981 {100} | | |
| | 600 | | | 650 | | | 650 | | | 650 | | |
| | 250 | | | 250 | | | 250 | | | 250 | | |
| | 250 ~ 350 | | | 300 ~ 400 | | | 300 ~ 400 | | | 300 ~ 400 | | |
| | 410×550 | | | 460×595 | | | 460×595 | | | 460×595 | | |
| | 5 points | | | 5 points | | | 5 points | | | 5 points | | |
| | 26 {2.7} | | | 26 {2.7} | | | 26 {2.7} | | | 26 {2.7} | | |
| | 60 | | | 60 | | | 60 | | | 60 | | |
| | 4.1 | | | 4.5 | | | 4.8 | | | 5.3 | | |
| | 4.3 | | | 4.6 | | | 5.0 | | | — | | |
| | 1.92 | 1.54 | 3.42 | 1.99 | 1.62 | 3.30 | 1.99 | 1.62 | 3.56 | 1.99 | 1.62 | 3.87 |
| | 1.92 | 1.54 | 3.99 | 1.99 | 1.62 | 3.73 | 1.99 | 1.62 | 4.14 | — | — | — |
| | 1040 | | | 1104 | | | 1104 | | | 1104 | | |

List of standard accessories and optional accessories

List of standard accessories

| Item | | |
|--|--|--|
| Injection/plasticizing | KC nozzle (tip type) | |
| | N2000F barrel (corrosion/abrasion resistance type) <small>Note 1</small> | |
| | LSP-2 screw (abrasion resistance type) <small>Note 1</small> | |
| | HT screw head | |
| | Screw suck-back | |
| | Screw and barrel attachment/detachment device | |
| | Screw cold start prevention | |
| | Molding/Pause temperature select | |
| | Automatic purging circuit | |
| | Nozzle touch force remote setting | |
| | Nozzle retract select | |
| | Suck-back select | |
| | Automatic greasing | |
| | Injection/Metering programmed control | Injection/holding pressure: 1 to 6 steps (variable) Metering/back pressure: 1 to 3 steps (variable) |
| | Holding pressure transfer by speed detection (IVS control) | |
| | Barrel temperature remote setting | |
| | Barrel temperature control (SSR) | |
| | Soft-pack servo control | |
| | Hopper flange temperature control | |
| | IWCS control | |
| | Reverse seal control | |
| | Holding pressure control select | |
| | Synchronous temperature rise control | |
| | Clamping | Grease-free toggle bushing |
| Automatic greasing | | |
| Mold open/close and ejection programmed control | | Mold open/close: 4 steps (fixed) Ejection: 1 to 3 steps (variable) |
| Electric-driven mold thickness adjusting device | | |
| Mold thickness remote setting | | |
| Auto clamping force setting | | |
| Toggle type injection compression function | | A-mode B-mode Compression: 1 to 6 steps (variable) |
| Mold protection function | | |
| Photoelectric safety device (rotary type only) | | |
| Table speed remote setting (rotary type only) | | |
| Clamping safety device (electric/double mechanical type) <small>Note 2</small> | | |
| Robot mounting holes | | |

Note 1: One set of K or A size screws is equipped in standard. B size is optional.

Note 2: Photoelectric type is used for operation side of rotary type.

Note 3: The external memory can store up to 1000 mold conditions. Prepare commercial USB data storage media.

Note 4: Printer and printer cable are optional.

Note 5: Thermal sensor and electric wiring are not included.

Note 6: A maximum of 8 items and alarms can be selected out of the following monitor items.

- ① Cycle time ② Injection time ③ Metering time ④ Cushion position ⑤ Holding pressure end position
⑥ Injection pressure ⑦ Holding pressure transfer pressure ⑧ Screw back pressure ⑨ Metering end position
⑩ Injection start position ⑪ Holding pressure transfer position ⑫ Mold open time ⑬ Mold close time
⑭ Metering torque ⑮ Holding pressure transfer speed ⑯ Mold inner pressure <option>

Note 7: Indicates inspection time and items.

List of optional accessories

| Item | |
|--|--|
| Injection | Long nozzle |
| | Shut-off nozzle (pneumatic type) |
| | Hi-Melta MII screw <small>Note 1</small> |
| | Ultra corrosion/abrasion resistance screw barrel <small>Note 2</small> |
| | B size screw barrel |
| | Hopper throat abrasion resistance sleeve |
| | Barrel insulation cover |
| | Hopper |
| | Hopper attachment tube |
| | Ceramic screw head |
| | PCD screw head |
| | Module 1 rank down sized barrel |
| Clamping | Residual resin alarm |
| | Low inertial injection (HR) |
| | High-speed/high-response injection (HS) |
| | Vent-type injection device <small>Note 3</small> |
| | Daylight extension |
| | Thermal insulation plate for platens <small>Note 4</small> |
| | Air jet |
| | Core pull circuit (pneumatic type, hydraulic type) <small>Note 5</small> |
| | Unscrewing motor circuit |
| | Die clamper |
| | Upper-die ejector (hydraulic type) <small>Note 5</small> |
| | Ejector 3-point ejection (rotary type only) |
| Ejector stroke extension (rotary type only) | |
| Mold temperature control piping (for high-temperature, rotary type only) | |
| Mold setup device (inside platen, outside platen) <small>Note 6</small> | |
| Mold one-direction access (270 deg. rotation, rotary type only) | |
| Mold clamper | |
| Electric installation/control | Other language select (Hangu/Spanish) <small>Note 7</small> |
| | Simple centralized monitoring system LINK10 <small>Note 8</small> |
| | Centralized management system NET100 <small>Note 9</small> |
| | Heater disconnection alarm |
| | Mold temperature display (with mold temperature upper/lower limit alarm) |
| Others | Mold temperature control device (heater type) |
| | Printer (with printer cable) |
| | Robot interface |
| | Cooling water flow indicator |
| | Cooling water failure warning |
| Others | Leveling pads for installation |
| | Rotary warning light |
| | Export specifications <small>Note 10</small> |
| | Designated color <small>Note 11</small> |

Note 1: Applied for screw diameters of 35 mm or more.

Note 2: Consult us individually for specifications.

Note 3: Screw diameters of 25 mm or more are compatible.

Note 4: If an insulation board is equipped, note that both the nozzle stroke and the range of mold thickness used will be changed.

Note 5: Pump unit is separately required for the hydraulic type.

Note 6: When inside platen access device is equipped, the ejector stroke extension (option) is required.

Note 7: Consult us separately for languages other than the above. English and Chinese are provided standard.

Note 8: LINK10 has measurement value data collection, molding condition management and remote console functions.

Note 9: The NET100 has quality control and production control functions in addition to the functions of LINK10.

Note 10: For export specifications, separate meetings may be necessary depending on the destination.

Note 11: Designated colors, referring to color samples or Munsell codes.

Utility

■ Total Power Capacity

Rotary type

| Model | Injection unit | Total power capacity (kVA) |
|-----------------|----------------|----------------------------|
| JT20RAD | 20V | 18.9 |
| | 20V-HR* | 18.9 |
| | 20V-HS* | 20.3 |
| | 55V | 23.5 |
| | 55V-HR | 23.5 |
| JT40RAD | 20V | 19.3 |
| | 20V-HR | 19.3 |
| | 20V-HS | 20.6 |
| | 55V | 23.8 |
| | 55V-HR | 23.8 |
| | 55V-HS | 24.8 |
| | 110V | 26.4 |
| 110V-HR | 26.4 | |
| JT70RAD | 55V | 24.8 |
| | 55V-HR | 24.8 |
| | 55V-HS | 25.7 |
| | 110V | 27.4 |
| | 110V-HR | 27.4 |
| JT100RAD | 110V-HS | 30.0 |
| | 230V | 35.0 |
| | 55V | 24.8 |
| | 55V-HR | 24.8 |
| | 55V-HS | 25.7 |
| JT150RAD | 110V | 28.1 |
| | 110V-HR | 28.1 |
| | 110V-HS | 30.7 |
| | 230V | 35.7 |
| | 230V-HS | 42.5 |
| JT220RAD (Wide) | 230V | 37.5 |
| | 230V-HS | 44.2 |
| | 410V | 56.9 |
| | 410V-HS | 60.3 |

HR* Low-inertia (option)
HS* High-speed (option)

Single acting type

| Model | Injection unit | Total power capacity (kVA) |
|---------|----------------|----------------------------|
| JT40AD | 20V | 18.8 |
| | 20V-HR | 18.8 |
| | 20V-HS | 20.1 |
| | 55V | 23.3 |
| | 55V-HR | 23.3 |
| | 55V-HS | 24.3 |
| | 110V | 25.9 |
| | 110V-HR | 25.9 |
| JT70AD | 55V | 23.9 |
| | 55V-HR | 23.9 |
| | 55V-HS | 24.9 |
| | 110V | 26.5 |
| | 110V-HR | 26.5 |
| JT100AD | 110V-HS | 29.2 |
| | 55V | 23.9 |
| | 55V-HR | 23.9 |
| | 55V-HS | 24.9 |
| | 110V | 26.5 |
| | 110V-HR | 26.5 |
| | 110V-HS | 29.2 |
| | 230V | 34.2 |

Note1. Total power capacity is values obtained by adding the capacity of molding machine unit to the capacity of mold thermal control/hydraulic unit, wich is optional.

Note2. We recommend that the rated interrupting current of the main power supply breaker is more than 25kA at AC400V/460V.

■ Capacity of Cooling Water (outline)/ Capacity of Air

Rotary type

| Model | Colling water capacity for barrel temperature control (m ³ /h) | Compressed air pressure (MPa) | Compressed air necessity volume (NL/min) |
|-----------------|---|-------------------------------|--|
| JT20RAD | 0.3 | 0.5 | 2 |
| JT40RAD | 0.3 | 0.5 | 2 |
| JT70RAD | 0.3 | 0.5 | 2 |
| JT100RAD | 0.3 | 0.5 | 2 |
| JT150RAD | 0.3 | 0.5 | 2 |
| JT220RAD (Wide) | 0.3 | 0.5 | 2 |

Single acting type

| Model | Colling water capacity for barrel temperature control (m ³ /h) | Compressed air pressure (MPa) | Compressed air necessity volume (NL/min) |
|---------|---|-------------------------------|--|
| JT40AD | 0.3 | 0.5 | 2 |
| JT70AD | 0.3 | 0.5 | 2 |
| JT100AD | 0.3 | 0.5 | 2 |

Note: The above figures do not include the required quantity of water for the temperature controller.

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