

Scheda Tecnica

Codice: In 7372 FA 100 10

Marca: FANUC

Modello: FANUC ROBOSHOT S-2000i 100B

Anno: 2010

Tonnellaggio: 100

Passaggio Colonne: 460 X 410

Diametro della Vite: 28

Spessore Min/Max stampo: 450-150

Interfaccia Robot Euromap 12: Sì

Control: FANUC SERIE 31i

Descrizione:

MACCHINA FULL ELECTRIC



Tutti i dati tecnici riportati sono indicativi, possono essere modificati senza preavviso e si riferiscono alle condizioni standard del bene nuovo. Il bene usato potrebbe non avere gli stessi valori del nuovo.

FANUC ROBOSHOT S-2000i 100B

Mechanical specifications

| Item | | Unit | Data | | | | | | |
|----------------------|--------------------------------|---|---|-----|-----|-----|------|--------|-----|
| Clamp unit | Clamping mechanism | --- | Double toggle | | | | | | |
| | Tonnage | kN | Standard 1000 (100tonf) / Option 1250 (125tonf) | | | | | | |
| | Maximum and minimum die height | mm | Standard 450-150 / Option 550-250 | | | | | | |
| | Clamping stroke | mm | 350 | | | | | | |
| | Locating ring diameter | mm | φ 125 | | | | | | |
| | Tie bar spacing (HxV) | mm | 460x410 | | | | | | |
| | Platen size (HxV) | mm | 660x610 | | | | | | |
| | Minimum mold size (HxV) | *1) mm | 265x240 | | | | | | |
| | Ejector stroke | mm | 100 | | | | | | |
| | Maximum ejector force | kN | 25 (2.5tonf) | | | | | | |
| Injection unit | Screw diameter | mm | 22 | 26 | 28 | 32 | 36 | 40 *7) | |
| | Injection stroke | mm | 75 | 95 | 95 | 128 | 144 | 144 | |
| | Maximum injection volume | cm ³ | 29 | 50 | 58 | 103 | 147 | 181 | |
| | Inj. speed 200mm/s | Maximum injection pressure *3) | MPa | 260 | 260 | 240 | 220 | 190 | 160 |
| | | Maximum pack pressure *3) | MPa | 260 | 260 | 220 | 200 | 170 | 140 |
| | | Maximum injection rate *4) | cm ³ /s | 76 | 106 | 123 | 161 | 204 | 251 |
| | | Maximum injection speed *4) | mm/s | 200 | | | | | |
| | | Maximum screw rotation speed | min ⁻¹ | 300 | | | | | |
| | Inj. speed 330mm/s | Maximum injection pressure (High pressure filling mode) *2),*3) | MPa | 320 | 320 | 300 | 250 | 220 | --- |
| | | Maximum injection pressure *3) | MPa | 260 | 260 | 240 | 220 | 190 | 160 |
| | | Maximum pack pressure *3) | MPa | 260 | 260 | 220 | 200 | 170 | 140 |
| | | Maximum injection rate *4) | cm ³ /s | 125 | 175 | 203 | 265 | 336 | 415 |
| | | Maximum injection speed *4) | mm/s | 330 | | | | | |
| | Inj. speed 500mm/s | Maximum screw rotation speed | min ⁻¹ | 450 | | | | | |
| | | Maximum injection pressure (High pressure filling mode) *2),*3) | MPa | 320 | 320 | 280 | --- | --- | --- |
| | | Maximum injection pressure *3) | MPa | 260 | 260 | 240 | 220 | 170 | --- |
| | | Maximum pack pressure *3) | MPa | 260 | 260 | 220 | 200 | 170 | --- |
| | | Maximum injection rate *4) | cm ³ /s | 190 | 265 | 308 | 402 | 509 | --- |
| | Maximum injection speed *4) | mm/s | 500 | | | | | | |
| | Maximum screw rotation speed | min ⁻¹ | 450 | | | | | | |
| | Nozzle touch force | kN | 15 (1.5tonf) | | | | | | |
| Screw & Barrel | Number of pyrometers | Barrel | 3 | | | | | | |
| | | Nozzle | 1 | | | | | | |
| Total heater wattage | kW | 3.8 | 6.5 | 7.2 | 8.4 | 9.1 | 10.1 | | |
| Machine Weight | *5) t | 4.2 (Inj. speed 200mm/s, 330mm/s) / 4.35 (Inj. speed 500mm/s) (Approximately) | | | | | | | |

*1) For the molds with a size smaller than this, the clamp force may be limited.

*2) When the high pressure filling mode is selected as an option, a pressure up to this value can be set.

In the high pressure filling mode, the injection time and pack time are restricted. (Contact sales for details)

To use the high pressure filling mode, the special high-pressure barrel and nozzle are required. (Contact sales for details)

*3) The maximum injection pressure and maximum pack pressure are not the pressure of resin but the output of the injection unit.

The maximum injection pressure and maximum pack pressure are the maximum value can be set.

The maximum injection pressure and maximum pack pressure might be limited depending on the molding condition.

*4) Maximum injection rate and maximum injection speed are a theoretical value.

Maximum injection rate and maximum injection speed can not be guaranteed when the injection pressure is maximum.

*5) The value assumes that the machine has no option.

*6) The pressure conversion is performed, assuming that 1MPa=10kgf/cm².

*7) The molding condition might be limited by the resin. (Contact sales for detail)

Installation conditions

| Item | | Data |
|------------------------|-----------------------------|---|
| Input power source | | 3-phase AC200V±10% 50/60Hz±1Hz 3-phase AC220V±10% 60Hz±1Hz |
| Main breaker | Inj. speed 200mm/s, 330mm/s | 50A *9) |
| | Inj. speed 500mm/s | 125A *9) |
| Earth resistance *10) | | Below 100Ω |
| Installing environment | Temperature | 0~40°C(20~25°C recommended) |
| | Humidity | Below 75% (Below 95% under short term operation) |
| | Vibration | Below 0.5G |
| | Atmosphere | Take care of corrosive gas. |

*8) Connect power cable to the machine's main breaker directly.

*9) Main breaker for power supply only to machine

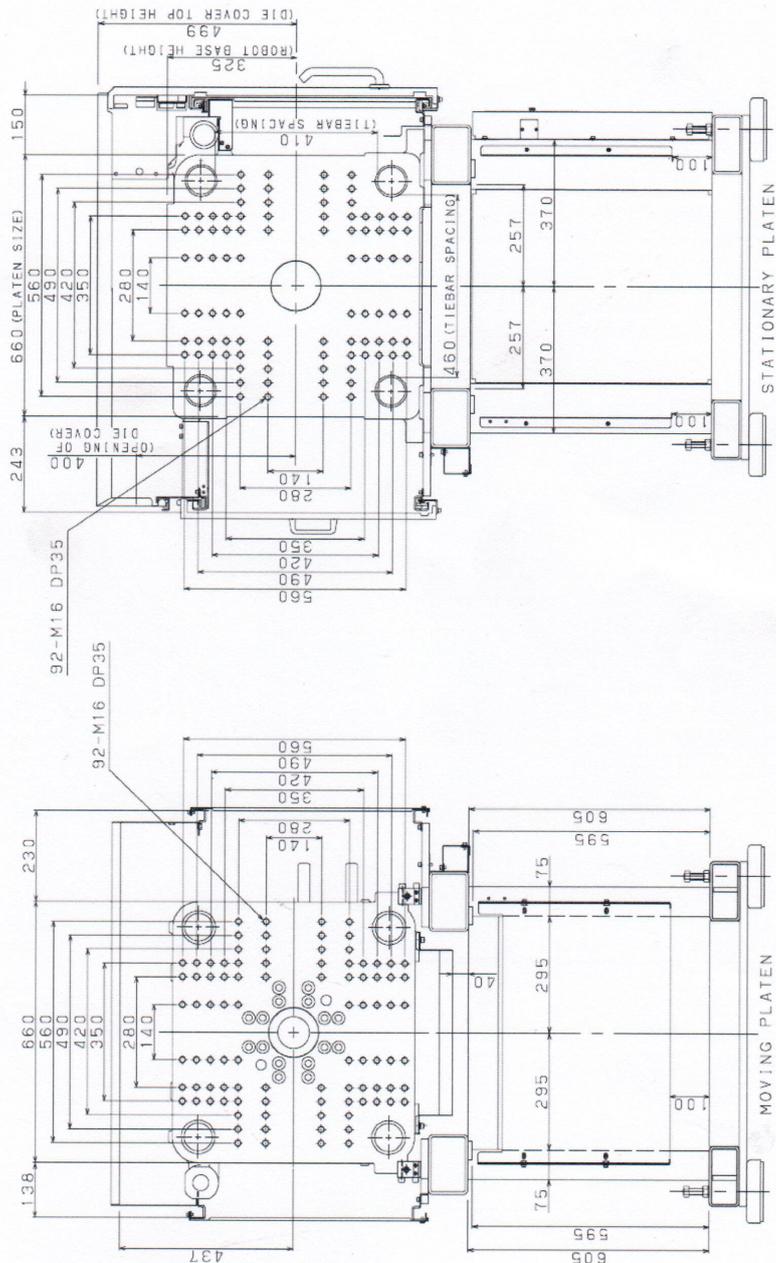
*10) Be sure to ground the machine as instructed in the operator's manual

Follow the regulations of grounding per each country

All specifications are subject to change without notice.

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(2) Dimensions of the **100B** manipulator and mold mounting parts



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(4) 100B machine outside dimensions

