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# Data Sheet



**Code:** In 8999 BB 480 14

**Brand:** BMB

**Model:** eKW 48 PI/2200 HYBRID

**Year:** 2014

**Tonnage:** 480

**Clearence between tie-bars:** 800X800

**Screw diameter:** 65

**Calculated shot volume:** 1128

**Min/Max mould thickness:** 250-800

**Robot connection Euromap-12:** Yes

**Core pull:** 1

**Euromap:** 4800H-2200

**Mov. plasten stroke:** 850

**Control:** SELCA

**Air ejection:** 5

**Akkumulator:** Yes

*All the mentioned technical data are merely intended to describe the item, they are subject to change without any notice and refer to the standard conditions of a new good. A used good might not have the same figures as the new one.*

## 1.1.4 Technical specifications

| eKW48 PI/2200 Hybrid C0003 28 24513 S/R MAINETTI | | | | |
|---|---|---|---|---|
| **CLAMPING UNIT** | | | | |
| CLASSIFICATION EUROMAP | | 4800H-2200 | | |
| mould clamping force | kN | 4800 | | |
| mould opening force | kN | 480 | | |
| moving platen max. stroke | mm | 850 | | |
| overall platen dimension H x V | mm | 1190 x 1190 | | |
| distance between tie-bars H x V | mm | 800 x 800 | | |
| tie-bar diameter | mm | 130 | | |
| maximum daylight | mm | 1650 | | |
| mould minimum thickness | mm | 250 | | |
| mould maximum thickness | mm | 800 | | |
| ejection stroke | mm | 300 | | |
| ejection force | kN | 75 | | |
| **INJECTION UNIT** | | | | |
| screw diameter | mm | 65 | 70 | 75 |
| length/diameter ratio | L/D | 25 | 23 | 21 |
| injection volume | $cm^3$ | 1128 | 1308 | 1502 |
| injection capacity PET | g | 1354 | 1243 | 1427 |
| injection capacity PP | g | 846 | 981 | 1127 |
| injectable volume | $cm^3/s$ | 3100 | 3600 | 4100 |
| specific pressure injection | $kg/cm^2$ | 1988 | 1714 | 1493 |
| plasticizing capacity per second | g/s | 72 | 77 | 82 |
| screw rotation speed | $min^{-1}$ | 350 | 350 | 350 |
| maximum torque | Nm | 2000 | 2000 | 2000 |
| **ELECTRICAL SYSTEM** | | | | |
| motor pump power with electric screw drive motor | kW | 30 | | |
| barrell heating capacity | kW | 33 | | |
| barrel heating zones | n° | 4+1 | | |
| **ADDITIONAL DATA** | | | | |
| dry cycle | s | 2 | | |
| weight | kg | 19500 | | |
| oil tank capacity | l | 280 | | |
| max. injection carriage stroke | mm | 450 | | |



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| | | |
|---|---|---|
| Power supply (3 F + N) | v | 400 |
| Heating circuit power supply | v | 230 |
| Frequency | Hz | 50 |
| Pump motor type | | WEG |
| Control system | | Heidenhain |
| HYDRAULIC SYSTEM | | |
| Injection movement control | | Closed loop valve |
| Screw rotation movement drive | | Proportional<br>Electric |
| Maximum pressure of the pump | bar | 175 |
| COOLING SYSTEM | | |
| Average quantity of heat to dissipate | J/h | - |
| | Kcal | - |
| Average cooling capacity (water at 20°C) | $m^3/h$ | 3 |

| OPTIONALS | |
|---|---|
| Robot interface | No<br>EUROMAP67<br>EUROMAP 12<br>Other |
| Tie-bar load detection | No<br>Strain gauge load cell<br>Other |
| Automatic mould assembly system | No<br>BMB standard system<br>Magnetic platens<br>Other |
| Automatic ejection rod assembly system | No<br>BMB standard system<br>Other |
| Tie-bar extraction system | No<br>Manual<br>Automatic |
| Additional injection unit | No<br>Lateral<br>Vertical<br>Combined |
| Rotary table | No<br>Diametre mm |



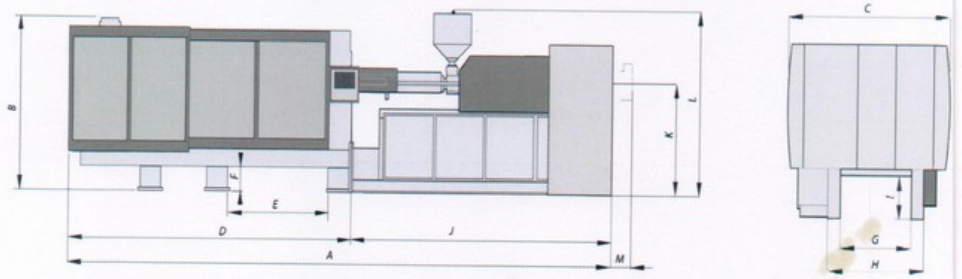
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| | A | B | C | D | E | F | G | H | I | J | K | L | M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| eKW48PI/2200 HYBRID | 8990 | 2540 | 2245 | 4400 | 1100 | 249 | 885 | 1225 | 630 | 4590 | 1380 | 2305 | 140 |



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