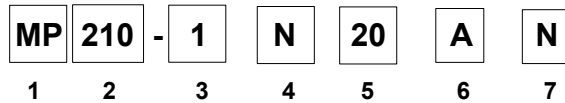




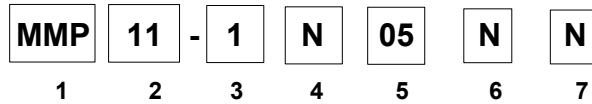
Iwaki Sanwa Nomenclature Guide

MP/MH/ML SERIES



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|---------------------------|--|-----------------|--------------------|-----------------|----------------------|-----------------|------------------|-----------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|----------------|-------------------|--|
| 1 Series | MP = Standard Temperature
MH = High temperature
ML = Low temperature | | | | | | | | | | | | | | | | |
| 2 Pump Size | <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">210 = 1" x 3/4"</td> <td style="width: 50%;">4220 = 1-1/2" x 1"</td> </tr> <tr> <td>220 = 1" x 3/4"</td> <td>4220LF = 1-1/2" x 1"</td> </tr> <tr> <td>221 = 1" x 3/4"</td> <td>5225LF = 2" x 1"</td> </tr> <tr> <td>222 = 1" x 3/4"</td> <td>5430 = 2" x 1-1/2"</td> </tr> <tr> <td>420 = 1-1/2" x 1"</td> <td>8415 = 3" x 1-1/2"</td> </tr> <tr> <td>421 = 1-1/2" x 1"</td> <td>8420 = 3" x 1-1/2"</td> </tr> <tr> <td>541 = 2" x 1-1/2"</td> <td>8515 = 3" x 2"</td> </tr> <tr> <td>542 = 2" x 1-1/2"</td> <td></td> </tr> </table> | 210 = 1" x 3/4" | 4220 = 1-1/2" x 1" | 220 = 1" x 3/4" | 4220LF = 1-1/2" x 1" | 221 = 1" x 3/4" | 5225LF = 2" x 1" | 222 = 1" x 3/4" | 5430 = 2" x 1-1/2" | 420 = 1-1/2" x 1" | 8415 = 3" x 1-1/2" | 421 = 1-1/2" x 1" | 8420 = 3" x 1-1/2" | 541 = 2" x 1-1/2" | 8515 = 3" x 2" | 542 = 2" x 1-1/2" | |
| 210 = 1" x 3/4" | 4220 = 1-1/2" x 1" | | | | | | | | | | | | | | | | |
| 220 = 1" x 3/4" | 4220LF = 1-1/2" x 1" | | | | | | | | | | | | | | | | |
| 221 = 1" x 3/4" | 5225LF = 2" x 1" | | | | | | | | | | | | | | | | |
| 222 = 1" x 3/4" | 5430 = 2" x 1-1/2" | | | | | | | | | | | | | | | | |
| 420 = 1-1/2" x 1" | 8415 = 3" x 1-1/2" | | | | | | | | | | | | | | | | |
| 421 = 1-1/2" x 1" | 8420 = 3" x 1-1/2" | | | | | | | | | | | | | | | | |
| 541 = 2" x 1-1/2" | 8515 = 3" x 2" | | | | | | | | | | | | | | | | |
| 542 = 2" x 1-1/2" | | | | | | | | | | | | | | | | | |
| 3 Impeller Code | 1: Standard Default – (MP Pumps)
X: Standard Default (MH/ML Pumps) | | | | | | | | | | | | | | | | |
| 4 Motor Connection | N: Nema
F: IEC
J: JIS | | | | | | | | | | | | | | | | |
| 5 Horsepower | <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">10 = 1 HP</td> <td style="width: 50%;">75 = 7.5 HP</td> </tr> <tr> <td>20 = 2 HP</td> <td>X0 = 10 HP</td> </tr> <tr> <td>30 = 3 HP</td> <td>X5 = 15 HP</td> </tr> <tr> <td>50 = 5 HP</td> <td>Y0 = 20 HP</td> </tr> </table> | 10 = 1 HP | 75 = 7.5 HP | 20 = 2 HP | X0 = 10 HP | 30 = 3 HP | X5 = 15 HP | 50 = 5 HP | Y0 = 20 HP | | | | | | | | |
| 10 = 1 HP | 75 = 7.5 HP | | | | | | | | | | | | | | | | |
| 20 = 2 HP | X0 = 10 HP | | | | | | | | | | | | | | | | |
| 30 = 3 HP | X5 = 15 HP | | | | | | | | | | | | | | | | |
| 50 = 5 HP | Y0 = 20 HP | | | | | | | | | | | | | | | | |
| 6 Connection | A = ASME 150# Flange
D = DIN PN16 RF | | | | | | | | | | | | | | | | |
| 7 Temperature | <p>MP PUMPS</p> <p>N = Standard Temperature pump: -4°F to 248°F (-20°C to 120°C)
H = High Temperature Pump: 249°F to 302°F (121 to 150°C)
L = Low Temperature Pump: -22°F to -5°F (-30°C to -21°C)</p> <p>MH PUMPS</p> <p>X = Standard High temperature pump: 303°F to 446°F (151°C to 230°C)
Z = Super High Temperature pump: 447°F to 536°F (231°C to 280°C)</p> <p>ML PUMPS:</p> <p>X = Standard Low temperature pump: -112°F to 302°F (-80°C to 150°C)</p> | | | | | | | | | | | | | | | | |

MMP/MMH/MML SERIES



- 1 Series** MMP = Standard Temperature
MMH = High temperature
MML = Low temperature
- 2 Pump size** 11 = 1/2" x 1/2"
21 = 3/4" x 3/4"
22 = 1" x 3/4"
- 3 Impeller Code** 1: Standard Default
X: Standard Default (MMH/MML Pumps)
- 4 Motor Connection** N: Nema
F: IEC
J: JIS
- 5 Horse Power** 03 = 1/3 HP
05 = 1/2 HP
07 = 3/4 HP
- 6 Connection** N = NPT (Standard)
R = BSPT
A = ASME 150# Flange
- 7 Temperature**
- MMP PUMPS
N = Standard Temperature pump: -4°F to 248°F (-20°C to 120°C)
H = High Temperature Pump: 249°F to 302°F (121 to 150°C)
L = Low Temperature Pump: -22°F to -5°F (-30°C to -21°C)
- MMH PUMPS
X = Standard High temperature pump: 303°F to 536°F (151°C to 280°C)
- MML PUMPS:
X = Standard Low temperature pump: -112°F to 302°F (-80°C to 150°C)