



MXM Model Code and Specifications

| | | | | | | | |
|------|-----------|----------|----------|-----------|----------|----------|------------|
| MXM- | 54 | 2 | 1 | CF | V | H | -XX |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |

1 Connection Size

| Model | Suction | Discharge |
|-------|---------|-----------|
| 22 | 1" | 1" |
| 44 | 1.5" | 1.5" |
| 54 | 2" | 1.5" |

2 Motor Output

| Model | HP |
|-------|------|
| 0 | ½ HP |
| 1 | 1 HP |
| 2 | 2 HP |
| 3 | 3 HP |
| 5 | 5 HP |

3 Impeller Range

| Code Number |
|-------------|
| 1 |
| 2 |
| 3 (54 only) |
| 4 (54 only) |

4 Materials of Construction

| Material Code | CF | FF | KK |
|--------------------------------|-----------------------------|-----------------------------|-----|
| Front casing liner/Rear casing | CFRETFE | | |
| Impeller/Magnet Capsule | | | |
| Bearing | High Density Carbon | High Purity Alumina Ceramic | SiC |
| Spindle | High Purity Alumina Ceramic | | |
| Liner Ring | High Purity Alumina Ceramic | | |
| Mouth Ring | PTFE | | |
| Rear Thrust Ring | CFRPFA | | |

5 O-ring /Gasket Material:

| | | |
|--------------------------|---------|-----------|
| V: FKM (Fluoroelastomer) | E: EPDM | A: AFLAS® |
|--------------------------|---------|-----------|

6 H: Rear Casing with Cover – High Temperature version

7 Special Configuration: 2 digit numeric code denoting special configuration

Specifications

| Model | Connections Suction x Discharge | Impeller Code | Min flow GPM | Max. Head (Ft.) | Max Capacity GPM | Motor/ Frame | Pump Weight lbs |
|----------|---------------------------------------|------------------|-----------------|-----------------------|------------------------|-----------------|-----------------------|
| MXM-221_ | 1" x 1" (25.4mm x 25.4mm) | 1 | 2.5 | 38 | 55 | ½ - ¾ HP/56C | 45 |
| MXM-222_ | | 2 | 2.5 | 63 | 55 | | |
| MXM-441_ | 1.5" x 1.5" (38.1mm x 38.1mm) | 1 | 5.3 | 80 | 75 | 1 HP/56C | 55 |
| MXM-442_ | | 2 | 5.3 | 95 | 72 | 2 HP/145TC | 60 |
| MXM-542_ | 2" x 1.5" Flange (50.8mm x 38.1mm) | 2 | 5.3 | 87 | 95 | 2 HP/145TC | 55 |
| | | 3 | | 96 | 115 | | |
| MXM-543_ | | 1 | 5.3 | 115 | 30 | 3 HP/182TC | 55 |
| | | 2 | | 87 | 95 | | |
| | | 3 | | 96 | 100 | | |
| | | 4 | | 122 | 160 | | |
| MXM-545_ | | 1 | 13.2 | 122 | 110 | 5 HP/184TC | 66 |
| | | 2 | | 87 | 95 | | |
| | | 3 | | 96 | 150 | | |
| | | 4 | | 142 | 160 | | |

Notes:

1. Rated performance (head/capacity) represents the maximum discharge head/capacity measured with water at 68°F (20°C).
2. Liquid temperature range: 14 to 221°F (-10 to 105° C)
3. Maximum Allowable Working Pressure: 101.5 PSI
3. Slurry: In general, slurries should not be handled. However, a pump with a SiC bearing system, KK, can handle slurries if the hardness is 80Hs or below, with a maximum grain size of 2 MIL (50 microns) and maximum density 5% wt. Contact Iwaki America or your distributor for details.