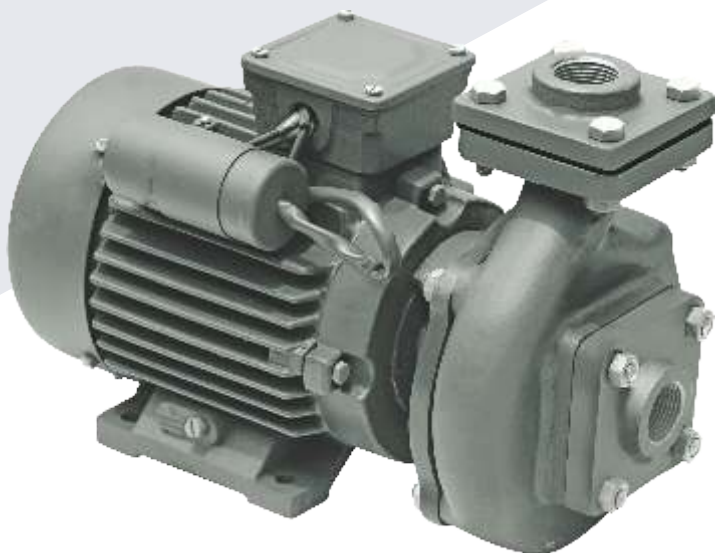


AGRICULTURE

WATER TREATMENT



TCM SERIES

HORIZONTAL CENTRIFUGAL
MONOBLOCK PUMP



(An ISO Certified Company)

RELIABLE AND ENERGY EFFICIENT PUMPS

Features

- Axial inlet and radial outlet
- Single stage monoblock design
- High grade cast iron motor body and pump casing
- Mechanical seal (standard) / gland packing available on demand
- Dynamically balanced rotor and impeller
- Pumps available with 2880 & 1450 rpm motor
- "SKF" bearing

Applications

- Agriculture, irrigation, drip and sprinkler systems
- Gardening and nurseries
- Domestic water supply
- High rise buildings, hotels and hospitals
- Chillers

| | |
|---------------|-----------------|
| Single phase | 0.5 to 5 HP |
| Three phase | 2 to 20 HP |
| RPM | 1450 / 2900 |
| No. of stages | 1 |
| Head | 6 to 75 mtrs |
| Discharge | 100 to 4200 lpm |

Performance Table (Speed : 2900 RPM)

| Model | KW/HP | SUC./DEL. (mm) | Total Head in Meter | | | | | | | | | | | | | | | | |
|----------------------|-------------|-------------------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |
| TCM 25 x 25 – 18 H | 0.37 / 0.50 | 25 x 25 | 2.3 | 2.1 | 1.9 | 1.6 | 1.5 | 1.25 | 0.4 | | | | | | | | | | |
| TCM 25 x 25 – 30 H | 0.75 / 1.0 | 25 x 25 | | | | 3.0 | 2.9 | 2.75 | 2.5 | 2.4 | 2.16 | 1.8 | | 1.0 | | | | | |
| TCM 65 x 50 – 16 H | 1.5/2.0 | 65 x 50 | | 11.0 | 10.0 | 8.8 | 7.0 | 4.0 | | | | | | | | | | | |
| TCM 50 x 40 – 26 H | 1.5/2.0 | 50 x 40 | | 5.3 | 5.1 | 4.9 | 4.7 | 4.5 | 4.2 | 3.9 | 3.6 | 3.1 | 2.2 | | | | | | |
| TCM 80 x 80 – 14 H | 2.2/3.0 | 80 x 80 | 19.0 | 17.8 | 16.2 | 13.8 | 10.4 | | | | | | | | | | | | |
| TCM 80 x 65 – 18 H | 2.2/3.0 | 80 x 65 | | 13.5 | 12.6 | 11.7 | 10.7 | 9.5 | 7.5 | | | | | | | | | | |
| TCM 65 x 50 – 26 H | 2.2/3.0 | 65 x 50 | | | 9.2 | 8.9 | 8.5 | 8.1 | 7.6 | 7.1 | 6.6 | 5.9 | 5.0 | | | | | | |
| TCM 50 x 40 – 36 H | 2.2/3.0 | 50 x 40 | | | | 5.1 | 5.0 | 4.8 | 4.7 | 4.5 | 4.4 | 4.2 | 4.0 | 3.8 | 3.6 | 3.2 | 2.8 | 2.0 | |
| TCM 100 x 100 – 16 H | 3.7/5.0 | 100 x 100 | 32.8 | 31.0 | 28.0 | 24.2 | 19.0 | 12.8 | | | | | | | | | | | |
| TCM 80 X 80 – 22 H | 3.7/5.0 | 80 x 80 | 23.5 | 22.8 | 21.9 | 20.8 | 19.4 | 17.7 | 15.9 | 13.9 | 10.8 | | | | | | | | |
| TCM 80 x 65 – 28 H | 3.7/5.0 | 80 x 65 | | | | | | 14.2 | 13.4 | 12.6 | 11.6 | 10.3 | 8.7 | 5.8 | | | | | |
| TCM 100 x 100 – 24H | 5.5/7.5 | 100 x 100 | | | | 27.1 | 25.5 | 23.9 | 22.0 | 20.0 | 17.5 | 14.2 | | | | | | | |
| TCM 80 x 65 – 30 H | 5.5/7.5 | 80 x 65 | | | | | | 18.8 | 17.9 | 17.0 | 16.1 | 15.2 | 14.2 | 13.1 | 11.0 | | | | |
| TCM 100 x 100 – 28H | 7.5/10.0 | 100 x 100 | | | | 31.9 | 30.7 | 29.4 | 28.0 | 26.5 | 25.0 | 23.3 | 21.2 | 17.5 | | | | | |
| | | | 18 | 20 | 24 | 28 | 30 | 32 | 36 | 40 | 45 | 48 | 50 | 55 | 60 | 64 | 68 | 72 | 76 |
| TCM 65 x 50 -36 H | 3.7/5.0 | 65 x 50 | | 8.5 | 8.2 | 7.8 | 7.5 | 7.1 | 5.7 | | | | | | | | | | |
| TCM 50 x 40 -50 H | 3.7/5.0 | 50 x 40 | | | | | | | 4.0 | 3.7 | 3.2 | 2.9 | 2.0 | | | | | | |
| TCM 65 X 65 – 36 H | 5.5/7.5 | 65 x 65 | | | 12.6 | 12.1 | 11.8 | 11.3 | 9.2 | | | | | | | | | | |
| TCM 65 x 50 -55 H | 5.5/7.5 | 65 x 50 | | | | | | 8.6 | 8.1 | 7.5 | 6.5 | 5.7 | 4.5 | 3.5 | | | | | |
| TCM 80 x 65 – 40 H | 7.5/10.0 | 80 x 65 | 20.8 | 20.4 | 19.2 | 17.8 | 17.0 | 15.9 | 13.3 | 9.5 | | | | | | | | | |
| TCM 65 x 65 – 64 H | 7.5/10.0 | 65 x 65 | | | | | | 7.5 | 7.2 | 6.8 | 6.4 | 5.8 | 5.3 | 4.2 | 3.0 | | | | |
| TCM 65 X 50 – 68 H | 7.5/10.0 | 65 x 50 | | | | | | | 7.5 | 7.1 | 6.8 | 6.4 | 6.0 | 5.3 | 4.3 | 3.0 | | | |
| TCM 100 x 100 – 32 H | 9.3/12.5 | 100 x 100 | 33.3 | 32.0 | 28.5 | 23.3 | 19.5 | 13.0 | | | | | | | | | | | |
| TCM 80 X 65 – 45 H | 9.3/12.5 | 80 x 65 | | 19.5 | 18.7 | 17.9 | 17.5 | 17.0 | 16.0 | 14.8 | 11.6 | | | | | | | | |
| TCM 65 x 50 – 72 H | 9.3/12.5 | 65 x 50 | | | | | | | | 8.0 | 7.9 | 7.8 | 7.6 | 7.2 | 6.2 | 5.6 | 3.0 | | |
| TCM 100 x 100 – 36H | 11.25/15.0 | 100 x 100 | 36.7 | 35.8 | 33.3 | 30.0 | 27.6 | 25.0 | 17.5 | | | | | | | | | | |
| TCM 80 x 65 – 55 H | 11.25/15.0 | 80 x 65 | | | | 19.6 | 19.2 | 18.3 | 17.3 | 15.8 | 14.6 | 12.4 | 9.7 | | | | | | |
| TCM 65 X 50 – 76 H | 11.25/15.0 | 65 x 50 | | | | | | | | | 8.3 | 8.0 | 7.8 | 7.4 | 7.0 | 6.5 | 5.8 | 4.5 | |

Performance Table (Speed : 1450 RPM)

| Model | KW/HP | SUC./DEL. (mm) | DISCHARGE IN LPS | 5 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 |
|----------------------|----------|-------------------|------------------|----------------------|---------|---------|------|------|------|------|------|------|----|
| | | | | TCM 100 x 100 – 12 H | 3.7/5.0 | 100x100 | | | 34 | 31 | 27 | 22 | |
| TCM 150 X 150 – 10H | 5.5/7.5 | 150x150 | 63 | | 60 | 53 | 41 | | | | | | |
| TCM 100 x 100 – 18 H | 5.5/7.5 | 100x100 | | | | | 34.4 | 32.1 | 29 | 25.5 | 19.2 | | |
| TCM 150 X 150 – 14H | 7.5/10.0 | 150x150 | | | 73.3 | 68 | 50.8 | 30.4 | 18.3 | | | | |
| TCM 100 x 100 – 22 H | 7.5/10.0 | 100x100 | | | | | | | 36.3 | 33 | 29.2 | 24.3 | 18 |



(An ISO Certified Company)

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