

K TWIN IMPELLERS

TWIN IMPELLERS CENTRIFUGAL PUMPS



NEW MODELS



K 35/40 M



K 70/300 T

Twin impeller centrifugal pump designed for use in pressurisation units for water supply systems for domestic, civil and industrial use. Suitable for sprinkling irrigation and other water supply applications. Cast iron pump body and motor support. Technopolymer impeller. Stainless steel driving shaft. Carbon/ceramic mechanical seal. Asynchronous, closed motor, cooled by external ventilation. Built-in thermal and current overload protection and a capacitor permanently on in the single-phase version. For the protection of the three-phase motor it is advisable to use a suitable overload protection complying with the regulations in force.

Operating range

from 1.2 to 30 m³/h with head up to 97 metres.

Pumped liquid characteristics clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised, chemically neutral and close to the characteristics of water.

Liquid temperature range

from -10°C to +50°C: for K 35/40, K 45/50, K 35/100, K 40/100, K 55/100
from -15°C to +110°C: for K 55/50, K 66/100, K 90/100, K 70/300, K 80/300, K 70/400, K 80/400.

Maximum operating range

K 35/40, K 35/100, K 40/100: **6 bar (600 kPa)**
K 45/50, K 55/50: **8 bar (800 kPa)**
K 55/100, K 66/100: **10 bar (1000 kPa)**
K 90/100, K 70/300, K 80/300, K 70/400, K 80/400: **12 bar (1200 kPa)**.

Maximum ambient temperature +40°C

Protection level IP 44

Terminal board protection level IP 55

Insulation class F

IE3 ≥ 0,75 kW

IE2 ≥ 0,75 kW

ONLY FOR
EXTRA EU
MARKETS

K - TWIN IMPELLERS CENTRIFUGAL

| MODEL | CODE | ELECTRICAL DATA | | | | | HYDRAULIC DATA | | | | | | | | | | | | | | | | | | | Q.TY x PALLET | | |
|---------------|-----------|--------------------------|--------------|--------------------|---------|---------------|--------------------------------|------|------|------|------|------|------|------|------|------|------|------|----|------|------|------|----|-----|----------|---------------------|------|----|
| | | VOLTAGE 50 Hz | P1 MAX kW | P2 NOMIN. kW HP | In A | MOTOR TYPE | Q=m ³ /h Q=l/min | 0 | 1,2 | 1,8 | 2,4 | 3,6 | 4,8 | 6 | 7,2 | 9 | 9,6 | 10,8 | 12 | 15 | 18 | 24 | 30 | DNA | DNM | | KG | |
| K 35/40 M | 102120004 | 1 x 220 - 240 V ~ | 1,2 | 0,75 | 1 | 5,5 | - | 43,5 | 41,5 | 40 | 38 | 33 | 23,5 | | | | | | | | | | | | 1" G | 1" G | 15,9 | 27 |
| K 35/40 M-P** | 102122004 | 1 x 220 - 240 V ~ | 1,2 | 0,75 | 1 | 5,5 | - | 43,5 | 41,5 | 40 | 38 | 33 | 23,5 | | | | | | | | | | | | 1" G | 1" G | 16,7 | 14 |
| K 35/40 T | 60179870 | 3 x 230 - 400 V ~ | 1,2 | 0,75 | 1 | 3,8-2,2 | IE3 | 43,5 | 41,5 | 40 | 38 | 33 | 23,5 | | | | | | | | | | | | 1" G | 1" G | 15 | 27 |
| K 45/50 M | 102120022 | 1 x 220 - 240 V ~ | 1,86 | 1,1 | 1,5 | 8,3 | - | 51 | 49 | 47,5 | 46 | 42 | 37 | 30 | | | | | | | | | | | 1 1/4" G | 1" G | 23,3 | 21 |
| K 45/50 M-P** | 102122022 | 1 x 220 - 240 V ~ | 1,86 | 1,1 | 1,5 | 8,3 | - | 51 | 49 | 47,5 | 46 | 42 | 37 | 30 | | | | | | | | | | | 1 1/4" G | 1" G | 24 | 21 |
| K 45/50 T | 60179854 | 3 x 230 - 400 V ~ | 1,96 | 1,1 | 1,5 | 5,9-3,4 | IE3 | 51 | 49 | 47,5 | 46 | 42 | 37 | 30 | | | | | | | | | | | 1 1/4" G | 1" G | 22,5 | 21 |
| K 55/50 M | 102120162 | 1 x 220 - 240 V ~ | 2,7 | 1,85 | 2,5 | 12,8 | - | 62 | 60 | 58 | 57 | 52 | 45 | 34 | | | | | | | | | | | 1 1/2" G | 1" G | 27,2 | 18 |
| K 55/50 T | 60179852 | 3 x 230 - 400 V ~ | 2,5 | 1,85 | 2,5 | 8,4-4,8 | IE3 | 62 | 60 | 58 | 57 | 52 | 45 | 34 | | | | | | | | | | | 1 1/2" G | 1" G | 23,9 | 21 |
| K 35/100 M | 102121002 | 1 x 220 - 240 V ~ | 1,56 | 1,1 | 1,5 | 7,1 | - | 38,5 | | | 37,5 | 36,5 | 35 | 32 | 28,5 | 18,5 | 17,5 | | | | | | | | 1 1/2" G | 1" G | 22 | 21 |
| K 35/100 T | 60179877 | 3 x 230 - 400 V ~ | 1,65 | 1,1 | 1,5 | 6,5-3,5 | IE3 | 38,5 | | | 37,5 | 36,5 | 35 | 32 | 28,5 | 18,5 | 17,5 | | | | | | | | 1 1/2" G | 1" G | 21 | 21 |
| K 40/100 M | 102121032 | 1 x 220 - 240 V ~ | 2 | 1,85 | 2,5 | 9 | - | 44 | | | 43,4 | 42,5 | 41 | 39 | 35,7 | 29 | 26 | 18,5 | | | | | | | 1 1/2" G | 1" G | 25,9 | 18 |
| K 40/100 T | 60179869 | 3 x 230 - 400 V ~ | 2 | 1,85 | 2,5 | 7-4 | IE3 | 44 | | | 43,4 | 42,5 | 41 | 39 | 35,7 | 29 | 26 | 18,5 | | | | | | | 1 1/2" G | 1" G | 22 | 21 |
| K 55/100 M | 60152448 | 1 x 230 | 3,4 | 2,2 | 3 | 14,9 | - | 62 | | | 59,5 | 57 | 54,5 | 51 | 47 | 39 | 36 | | | | | | | | 1 1/2" G | 1" G | 40 | 18 |
| K 55/100 T | 60179373 | 3 x 230 - 400 V ~ | 3,9 | 2,2 | 3 | 11,6-6,7 | IE3 | 62 | | | 59,5 | 57 | 54,5 | 51 | 47 | 39 | 36 | | | | | | | | 1 1/2" G | 1" G | 19 | 18 |
| K 66/100 M | 60152449 | 1 x 230 | 4,4 | 3 | 4 | 19,5 | - | 73 | | | 70 | 67,5 | 64 | 60,5 | 57 | 49 | 47 | | | | | | | | 1 1/2" G | 1" G | 44 | 18 |
| K 66/100 T | 60179857 | 3 x 230 - 400 V ~ | 5 | 3,7 | 5 | 14,6-8,4 | IE3 | 73 | | | 70 | 67,5 | 64 | 60,5 | 57 | 49 | 47 | | | | | | | | 1 1/2" G | 1" G | 40,7 | 18 |
| K 90/100 M | 60152450 | 1 x 230 | 5 | 4 | 5,5 | 21,9 | - | 83,5 | | | 82 | 79,5 | 76,5 | 72,5 | 68 | 61 | 58 | | | | | | | | 1 1/2" G | 1" G | 46 | 18 |
| K 90/100 T | 60179859 | 3 x 230 - 400 V ~ | 5 | 3,7 | 5 | 16,5-9,5 | IE3 | 83,5 | | | 82 | 79,5 | 76,5 | 72,5 | 68 | 61 | 58 | | | | | | | | 1 1/2" G | 1" G | 44 | 18 |
| K 70/300 T | 60179381 | 3 x 400 V ~ ¹ | 7,1 | 5,5 | 7,5 | 12,9 | - | 76 | | | | | | 74 | 73 | 72 | 71,5 | 70 | 69 | 65 | 60,5 | 43,5 | | | 2" G | 1 1/4" G | 72 | 6 |
| K 80/300 T | 60167629 | 3 x 400 V ~ ¹ | 9,10 | 7,5 | 10 | 15,20 | IE3 | 95 | | | | | | | 93 | 92,2 | 91 | 90,5 | 90 | 89,5 | 87 | 82 | 68 | | 2" G | 1 1/4" G | 78,5 | 6 |
| K 70/400 T | 60167630 | 3 x 400 V ~ ¹ | 9,20 | 9,2 | 12,5 | 15,50 | - | 86 | | | | | | | | 84 | 83,2 | 82,5 | 82 | 79 | 76 | 65 | 47 | | 2" G | 1 1/4" G | 74 | 6 |
| K 80/400 T | 60167631 | 3 x 400 V ~ ¹ | 12,5 | 11 | 15 | 21 | - | 97 | | | | | | | | | 95 | 94,5 | 94 | 92 | 89 | 80 | 64 | | 2" G | 1 1/4" G | 79 | 6 |

¹ Star (A) starting is possible

** Pump equipped with pressure gauge, pressure switch, power cable with plug and five-way fitting to use for connecting to a tank.

K TWIN IMPELLERS

TWIN IMPELLERS CENTRIFUGAL PUMPS



IE3 ≥ 0,75 kW

IE2 ≥ 0,75 kW

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K - TWIN IMPELLERS CENTRIFUGAL

| MODEL | CODE | ELECTRICAL DATA | | | | | HYDRAULIC DATA | | | | | | | | | | | | | | DNA | DNM | KG | Q.TY x PALLET | | | |
|------------|----------|-------------------|--------------|------------|-----|----------|----------------|----------|------|------|------|------|------|------|------|------|------|------|------|----|-----|-----|------|---------------------|------|------|----|
| | | VOLTAGE 50 Hz | P1 MAX kW | P2 NOMINAL | | In A | MOTOR TYPE | Q=m³/h | | | | | | | | | | | | | | | | | | | |
| | | | | kW | HP | | | 0 | 1,2 | 1,8 | 2,4 | 3,6 | 4,8 | 6 | 7,2 | 9 | 9,6 | 10,8 | 0 | 20 | | | | | 30 | 40 | 60 |
| K 35/40 T | 60145196 | 3 x 230 - 400 V ~ | 1,2 | 0,75 | 1 | 3,8-2,2 | IE2 | H (m) | 43,5 | 41,5 | 40 | 38 | 33 | 23,5 | | | | | | | | | 1" G | 1" G | 15 | 27 | |
| K 45/50 T | 60145774 | 3 x 230 - 400 V ~ | 1,96 | 1,1 | 1,5 | 7,2-4 | | | 51 | 49 | 47,5 | 46 | 42 | 37 | 30 | | | | | | | | | 1¼" G | 1" G | 22,5 | 21 |
| K 55/50 T | 60145840 | 3 x 230 - 400 V ~ | 2,5 | 1,85 | 2,5 | 8,4-4,8 | | | 62 | 60 | 58 | 57 | 52 | 45 | 34 | | | | | | | | | 1½" G | 1" G | 23,9 | 21 |
| K 35/100 T | 60145775 | 3 x 230 - 400 V ~ | 1,65 | 1,1 | 1,5 | 6,5-3,5 | | | 38,5 | | | 37,5 | 36,5 | 35 | 32 | 28,5 | 18,5 | 17,5 | | | | | | 1½" G | 1" G | 21 | 21 |
| K 40/100 T | 60145841 | 3 x 230 - 400 V ~ | 2 | 1,85 | 2,5 | 7-4 | | | 44 | | | 43,4 | 42,5 | 41 | 39 | 35,7 | 29 | 26 | 18,5 | | | | | 1½" G | 1" G | 22 | 21 |
| K 55/100 T | 60146054 | 3 x 230 - 400 V ~ | 3,9 | 2,2 | 3 | 11,6-6,7 | | | 62 | | | 59,5 | 57 | 54,5 | 51 | 47 | 39 | 36 | | | | | | 1½" G | 1" G | 38,1 | 18 |
| K 66/100 T | 60146067 | 3 x 230 - 400 V ~ | 4,7 | 3 | 4 | 14,6-8,4 | | | 73 | | | 70 | 67,5 | 64 | 60,5 | 57 | 49 | 47 | | | | | | 1½" G | 1" G | 40,7 | 18 |
| K 90/100 T | 60146068 | 3 x 230 - 400 V ~ | 5,4 | 4 | 5,5 | 16,5-9,5 | | | 83,5 | | | 82 | 79,5 | 76,5 | 72,5 | 68 | 61 | 58 | | | | | | 1½" G | 1" G | 44 | 18 |

1 Star (A) starting is possible

K - TWIN IMPELLERS CENTRIFUGAL - SINGLE-PHASE

| MODEL | CODE | ELECTRICAL DATA | | | | | HYDRAULIC DATA | | | | | | | | | | | | | | | | | | | | DNA | DNM | Kg | Q.TY x PALLET | | | | | | | | | |
|------------|----------|------------------|-----------------|------------|-----|---------|----------------|------|-----|-----|------|------|------|------|----|-----|------|----|----|----|----|----|---|----|----|----|-----|-----|----|---------------------|----|--|--|--|--|-------|-------|------|----|
| | | VOLTAGE 50 Hz | P1 MAX kW | P2 NOMINAL | | In A | Q=m³/h | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | kW | HP | | 0 | 1,2 | 1,8 | 2,4 | 3,6 | 4,8 | 6 | 7,2 | 9 | 9,6 | 10,8 | 12 | 15 | 18 | 24 | 30 | 0 | 20 | 30 | 40 | | | | | 50 | | | | | | | | |
| K 55/100 M | 60152448 | 1 x 230 | 3,4 | 2,2 | 3 | 14,9 | H (m) | 62 | | | 59,5 | 57 | 54,5 | 51 | 47 | 39 | 36 | | | | | | | | | | | | | | | | | | | 1½" G | 1" G | 38,1 | 18 |
| K 66/100 M | 60152449 | 1 x 230 | 4,4 | 3 | 4 | 19,5 | | 73 | | | 70 | 67,5 | 64 | 60,5 | 57 | 49 | 47 | | | | | | | | | | | | | | | | | | | 1½" G | 1" G | 40,7 | 18 |
| K 90/100 M | 60152450 | 1 x 230 | 5,0 | 4 | 5,5 | 21,9 | | 83,5 | | | 82 | 79,5 | 76,5 | 72,5 | 68 | 61 | 58 | | | | | | | | | | | | | | | | | | | | 1½" G | 1" G | 44 |