

AG-JEC Series

Self-priming pumps for swimming pools with pre-filter.

Specifications

Delivery: up to 30 m³/h
Head: up to 17 m
Power supply: three-phase and single-phase 50 Hz
Power: 0.3 kW to 1.5 kW
Maximum operating pressure: 2 bar
Temperature of pumped liquid: -10°C to +40°C
Insulation class: F
Protection: IP55

Materials

Pump body: Technopolymer
Pump-motor adapter: Technopolymer
Impeller: Technopolymer
Diffuser: Technopolymer
Mechanical seal: Ceramic/Carbon
Drain cap: Technopolymer
Basket filter: Technopolymer
Elastomers: NBR

Applications

Water distribution

Swimming pools

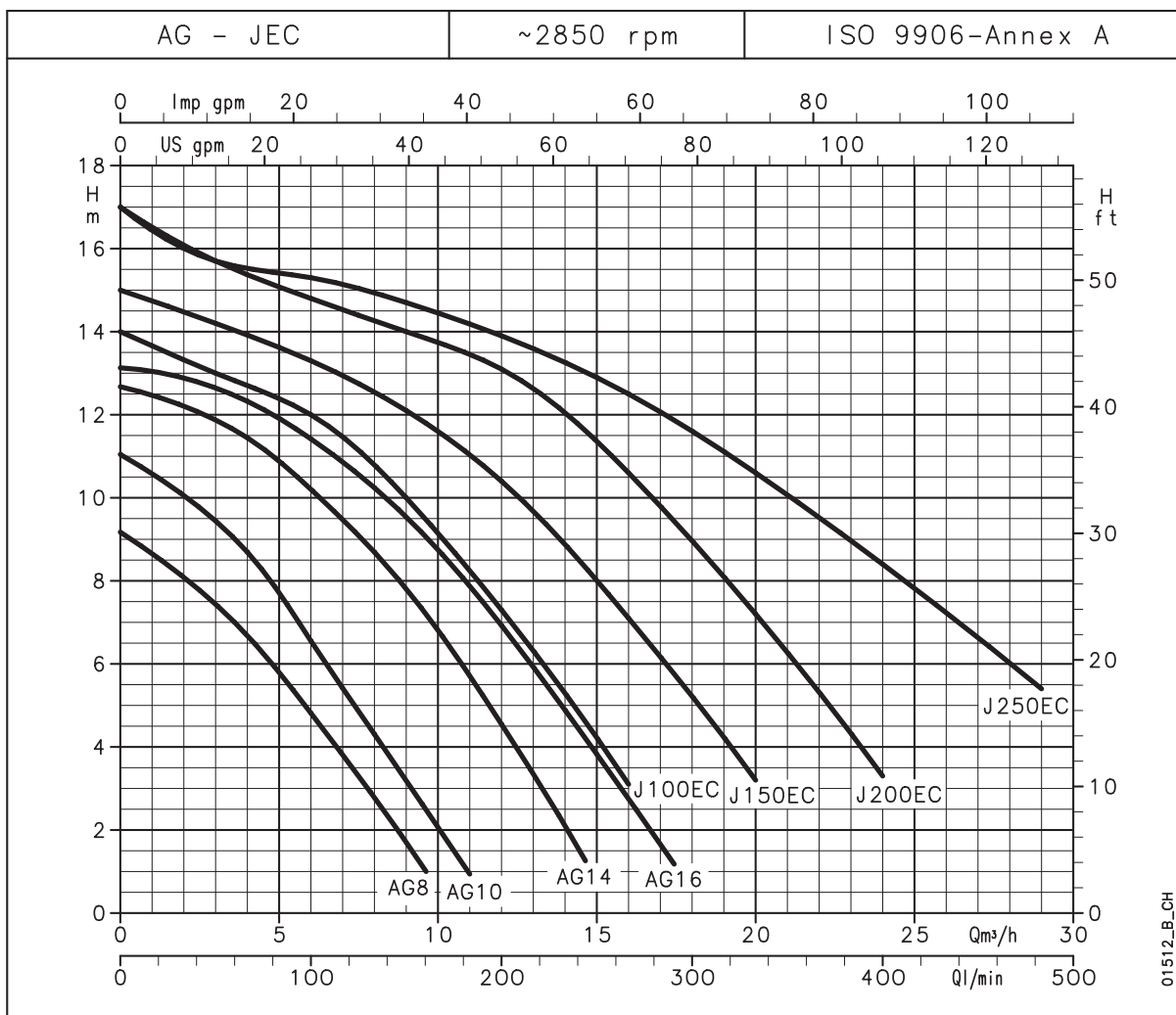
Fountains and water displays



For a complete list of technical information, consult www.lowara.com

AG-JEC SERIES SINGLE-PHASE

Operating characteristics at 50 Hz



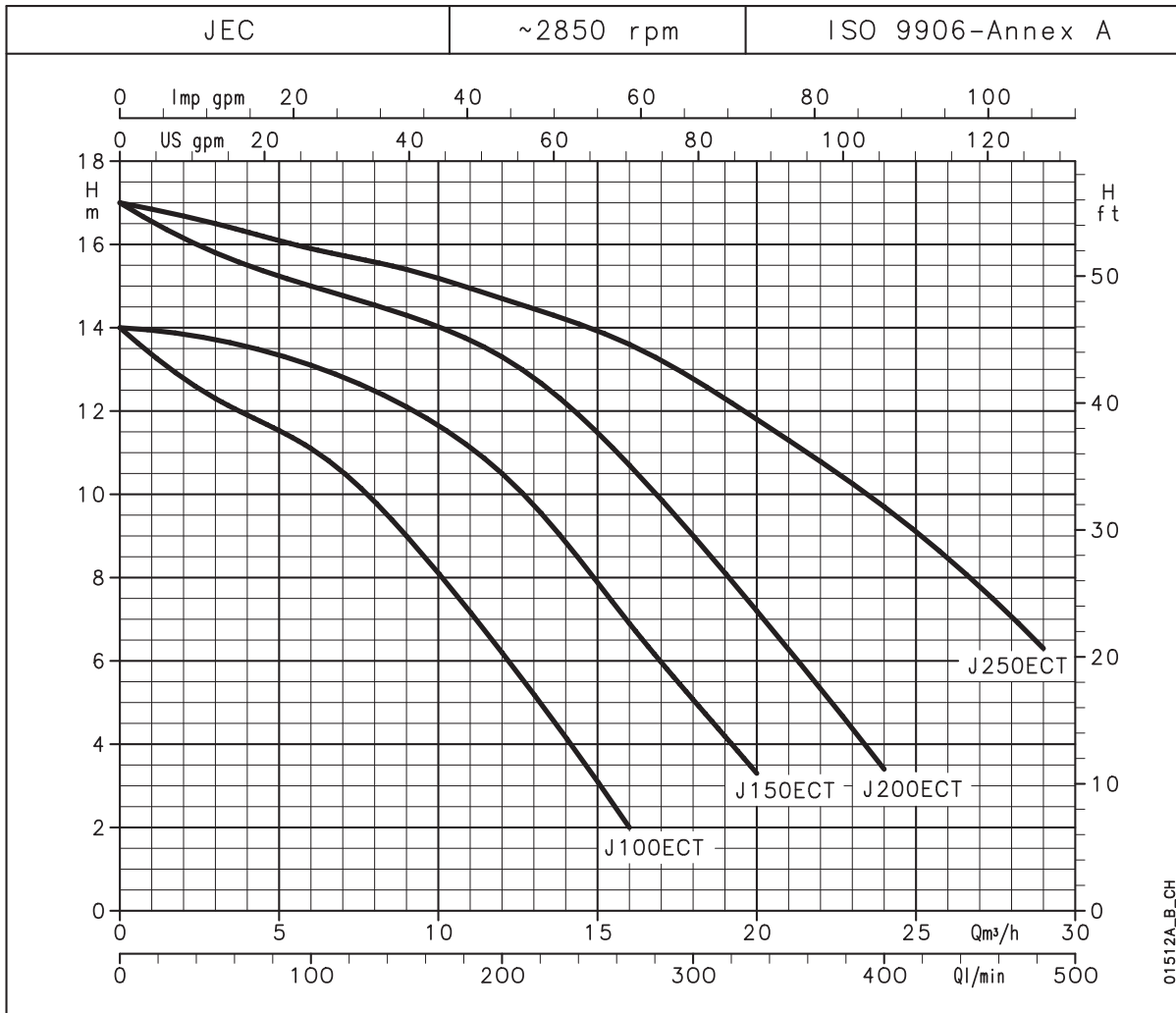
Hydraulic performance table

| PUMP TYPE | RATED POWER | | RATED CURRENT | CAPACITOR | | Q = DELIVERY | | | | | | | | | | | | |
|-----------|-------------|------|---------------|-----------|-----|--|------|------|------|------|------|------|-----|-----|-----|--|--|--|
| | | | | | | l/min | 0 | 50 | 100 | 150 | 200 | 267 | 333 | 400 | 483 | | | |
| | | | | | | m³/h | 0 | 3 | 6 | 9 | 12 | 16 | 20 | 24 | 29 | | | |
| 230V 50Hz | kW | HP | A | µF | V | H = TOTAL HEAD IN COLUMN OF WATER (METRES) | | | | | | | | | | | | |
| AG8 | 0,3 | 0,4 | 1,45 | 10 | 420 | 9,2 | 7,5 | 4,8 | 1,7 | | | | | | | | | |
| AG10 | 0,37 | 0,5 | 1,7 | 10 | 420 | 11 | 9,4 | 6,6 | 3,2 | | | | | | | | | |
| AG14 | 0,55 | 0,75 | 2,8 | 10 | 420 | 12,7 | 11,9 | 10,2 | 7,8 | 4,5 | | | | | | | | |
| AG16 | 0,67 | 0,92 | 3,0 | 10 | 420 | 13,1 | 12,6 | 11,4 | 9,5 | 7 | 2,8 | | | | | | | |
| J100EC | 0,55 | 0,75 | 3,2 | 12,5 | 420 | 14 | 13,0 | 12 | 10 | 7,3 | 3,1 | | | | | | | |
| J150EC | 0,75 | 1 | 3,5 | 20 | 420 | 15 | 14,2 | 13,3 | 12,1 | 10,4 | 7,1 | 3,2 | | | | | | |
| J200EC | 1,1 | 1,5 | 5,7 | 25 | 420 | 17 | 15,7 | 14,8 | 14 | 13,1 | 10,6 | 7,2 | 3,3 | | | | | |
| J250EC | 1,5 | 2 | 7,5 | 25 | 420 | 17 | 15,7 | 15,3 | 14,7 | 13,9 | 12,5 | 10,6 | 8,4 | 5,4 | | | | |

ag-jec-1ph-2p50_b_th

JEC SERIES THREE-PHASE

Operating characteristics at 50 Hz



Hydraulic performance table

| PUMP TYPE | RATED POWER | | RATED CURRENT A | Q = DELIVERY | | | | | | | | | |
|-----------|-------------|------|--------------------|--|----|------|------|------|------|-------|-------|-----|-------|
| | kW | HP | | l/min | 50 | 100 | 150 | 200 | 267 | 333 | 400 | 483 | |
| 400V 50Hz | | | | m ³ /h | 0 | 3 | 6 | 9 | 12 | 16,02 | 19,98 | 24 | 28,98 |
| | | | | H = TOTAL HEAD IN COLUMN OF WATER (METRES) | | | | | | | | | |
| J100ECT | 0,55 | 0,75 | 1,1 | | 14 | 12,3 | 11,1 | 9 | 6,2 | 2 | | | |
| J150ECT | 0,75 | 1 | 1,8 | | 14 | 13,5 | 13,1 | 12,1 | 10,5 | 6,9 | 3,3 | | |
| J200ECT | 1,1 | 1,5 | 2,4 | | 17 | 15,8 | 15 | 14,3 | 13,3 | 10,7 | 7,2 | 3,4 | |
| J250ECT | 1,5 | 2 | 3,4 | | 17 | 16,5 | 15,9 | 15,4 | 14,7 | 13,6 | 11,8 | 9,7 | 6,3 |

ag-jec-3ph-2p50_a_th

AG SERIES Dimensions and weights

Technical drawings of the AG Series pump. The front view shows a width of 194.6 mm. The side view shows a total length of 472 mm, a motor length of 340.8 mm, and a total height of 276 mm, with a motor height of 182 mm. The top view shows the circular pump housing.

| PUMP TYPE | WEIGHT |
|-----------|--------|
| | kg |
| AG8 | 9,1 |
| AG10 | 9,0 |
| AG14 | 9,0 |
| AG16 | 9,0 |

ag_a_td

JEC SERIES Dimensions and weights

Technical drawings of the JEC Series pump. The front view shows a width of 198.0 mm. The side view shows a total length of A mm, a motor length of 344.8 mm, and a total height of 310.6 mm, with a motor height of 200.5 mm and a base height of 15.0 mm. The top view shows the circular pump housing with four mounting points.

| PUMP TYPE | LENGTH | WEIGHT |
|-----------|--------|--------|
| | A (mm) | kg |
| J100EC | 548 | 11,8 |
| J150EC | 578 | 10,2 |
| J200EC | 578 | 12,0 |
| J250EC | 578 | 12,5 |
| J100ECT | 545 | 12,0 |
| J150ECT | 574 | 10,2 |
| J200ECT | 575 | 12,5 |
| J250ECT | 582 | 13,0 |

jec_a_td