

Flygt medium voltage pumps

A series of submersible pumps available up to 6,6 kV

Motor

Squirrel cage, high performance random wound induction motors, have been specially designed for submersible use. A special technique is used in the winding process to even out potential differences and to minimize the corona effects. Stator windings are trickle impregnated in resin to class H insulation and rated at 180° C (355° F), allowing up to 8 starts per hour. Motors are designed for continuous duty, operating at an ambient temperature of up to 40° C. Voltage tolerance is plus or minus 10%. The stator is internally connected Y, leaving three stator leads to the terminal only. The motor can be started direct on line or with the use of a soft starter or auto transformer. For frequency converter (VFD) use, please contact Xylem for guidance.

Protection

PTC thermistors together with PT100 analogue sensors are embedded in the stator winding, one set per each phase winding. The thermistors open at 155° C. Float switch sensors are provided in both the stator housing area and the junction box area. The main bearing is protected by a PT100 analogue sensor.

Power and monitoring cable

The power cable is a medium voltage cable described in the cable brochure. One single motor cable 25 or 50 mm² will be used together with a 24- lead monitoring cable.

Approvals

The pumps are available in explosion-proof versions

- ATEX EExd IIB T3
- IEC- Ex Exd IIB T3
- FM approval pending



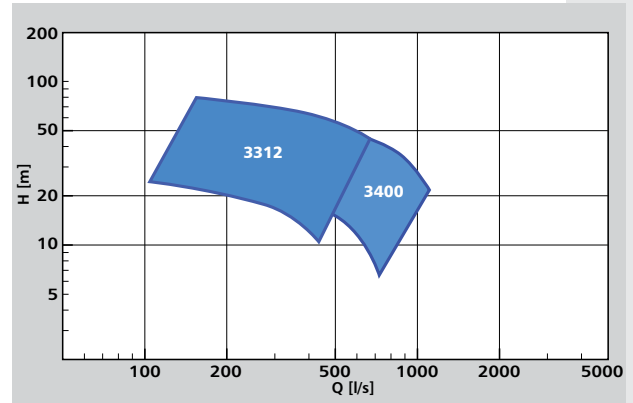
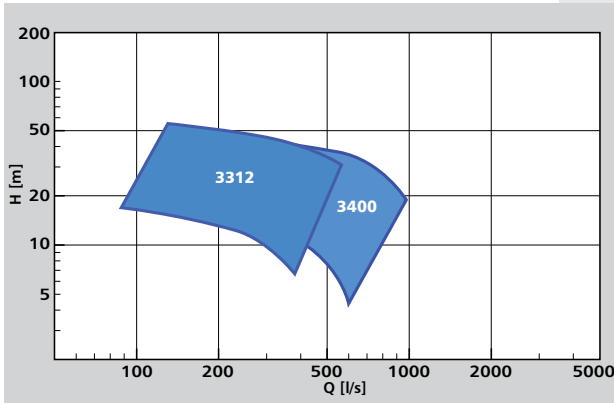
FLYGT
a xylem brand

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N-pumps

50 Hz

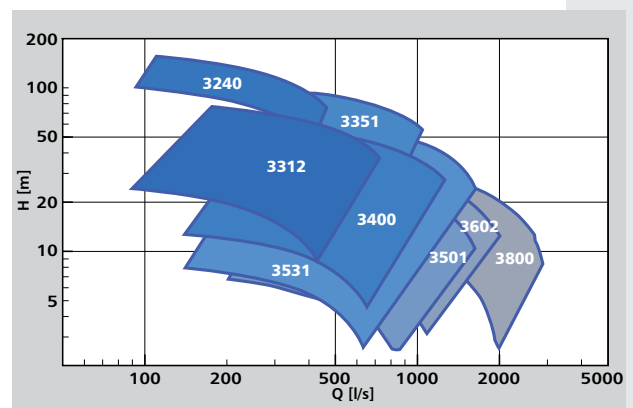
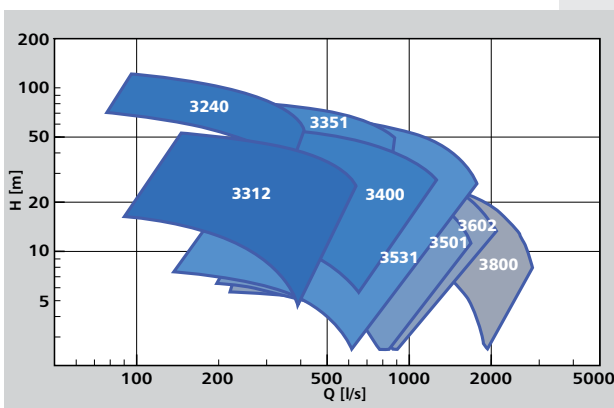
60 Hz



C-pumps

50 Hz

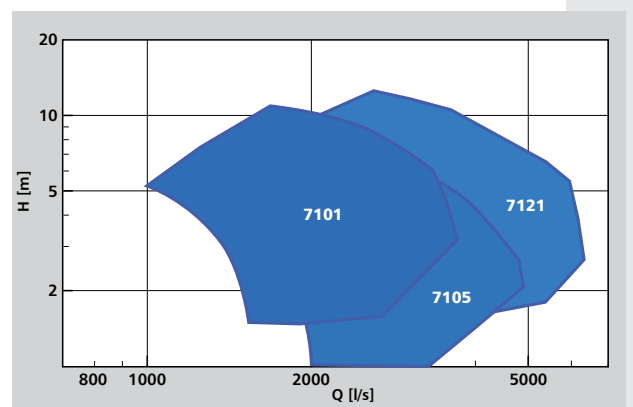
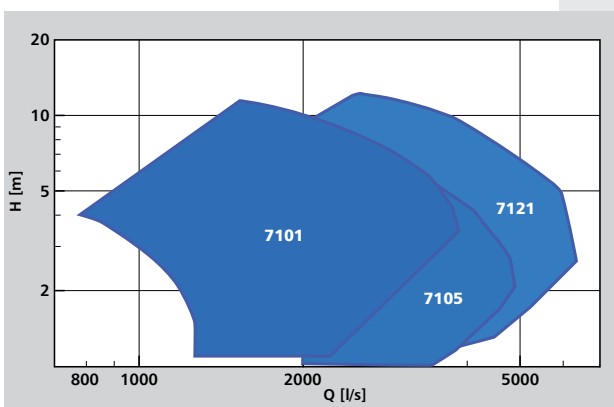
60 Hz



Column pumps PL

50 Hz

60 Hz



Column pumps LL

50 Hz

60 Hz

