

# WILO Top S Specifications



Top S Commercial Wet Rotor Circulator

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The contractor shall furnish and install in accordance with manufacturer's recommendations multiple speed, commercial wet rotor, in-line circulating pumps as indicated on the plans consistent with the following specifications:

1. The pump shall be a maintenance free, self venting, system lubricated type specifically designed for quiet operation with a horizontal motor mounted directly to the pump volute.
2. The pump volute shall be constructed of cast iron for closed systems or bronze for non-potable open systems, rated at 145 PSI (10 Bar) working pressure. Temperature range for closed (cast iron) applications from 14 to 230 deg F (-10 to 110 deg C) and 14 to 150 deg F (-10 to 66 deg C) for open (bronze) applications, based on maximum ambient temperatures of 104 deg F (40 deg C).
3. The impeller shall be constructed of engineered composite polypropylene. The shaft shall be made of hardened stainless steel and sleeve bearings made of metal impregnated carbon. The rotor can and rotor cladding shall be constructed of high quality stainless steel. Water lubricated sleeve bearings to be constructed of metal impregnated carbon. The pump will not incorporate the use of couplings nor mechanical seals of any kind.
4. The integral motor shall be non-overloading at any point of the curve, include thermal overload protection and rated at \_\_\_\_\_ horsepower ( \_\_\_\_\_ Watt) for continuous duty operating on \_\_\_\_\_ volt, \_\_\_\_\_ phase, 60 hertz alternating current.
5. All Top S pumps will be a manually selectable, two speed design regardless of voltage.
6. The pump will be UL and ULC approved.
7. The pump will be capable of delivering \_\_\_\_\_ USGPM ( \_\_\_\_\_ M3/Hr) at \_\_\_\_\_ Feet ( \_\_\_\_\_ Meters) of total dynamic head.
8. All pumps to be WILO Top S Model \_\_\_\_\_