

# WILO Star Specifications



Classic Star



Circo Star

Wilo USA LLC  
Wilo Canada Inc.  
Bay 7, 2915-10th Ave NE  
Calgary, Alberta, Canada  
Postal Code: T2A 5L4  
Phone: (403) 276-9456  
Fax: (403) 277-9456

The contractor shall furnish and install in accordance with manufacturer's recommendations 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 (WILO Classic Star) for closed systems or bronze (WILO Circo Star) for 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 glass reinforced composites. The shaft shall be made of hardened stainless steel and accessible from the exterior of the pump via the air vent screw. 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, impedance protected and rated at \_\_\_\_\_ horsepower ( \_\_\_\_\_ Watt) for continuous duty operating on 115 volt, single phase, 60 hertz alternating current.
5. Star "S" pumps will be a manually selectable, three speed design. Standard pumps will be single speed only.
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 Star Model \_\_\_\_\_