



Lift Plus™

TD675 Mixed Flow Pump

Datasheet

GE ARTIFICIAL LIFT

PLUS Line

Performance - Longevity - Unsurpassed Service = PLUS

GE’s new TD675 Mixed Flow Pump provides operators with a new advanced pump design that seeks to increase ESP system efficiency, runlife and operating range.

Advanced Design

GE’s new TD675 Mixed Flow Pump design combines industry leading efficiency with a wide operating range in the popular 4” outer diameter (OD) pump. GE Engineers designed the new pump stages to meet customer performance and run-life demands by utilizing state-of-the-art Computational Fluid Dynamic (CFD) simulations, computer modeling tools and enhanced pump performance test equipment in the new pump design.

Advanced Construction

The new TD675 provides the lowest flow rate in the ESP industry with a mixed flow stage design. It can handle gas and abrasives much better than a radial flow stage design. The TD675 is built in abrasion resistant modular (ARM) construction that incorporates tungsten carbide (TC) bearings for downthrust and radial support resulting in longer pump runlife in sandy wells. We also offer the pump in our new Q Plus construction which provides additional TC bearings for extended upthrust support, providing an extreme wide operating range that will stay in your well longer when reservoir conditions change, a perfect fit for unconventional applications.



Stage Type	Operating Range
TD675 AR Modular	50 to 925 BPD
TD675 Q Plus	50 to 1200 BPD

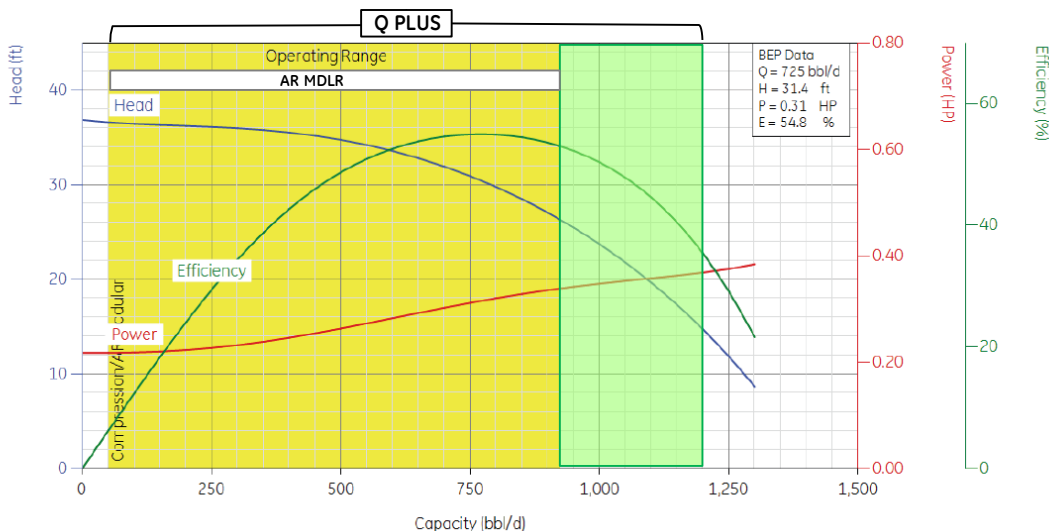
TD675 Mixed Flow Pump

Specifications	
Outer Diameter (OD)	4.0"
Shaft Diameter	11/16"
Best Efficiency Point (BEP) @ 60Hz	725 BPD
Flow Rate 60Hz	ARM: 50 - 925 BPD Q PLUS: 50 - 1200 BPD
Max Shaft Horsepower @ 60Hz	125 HP Standard, 200 HP High Strength, 255 HP Ultra High Strength
Max Temperature	350° F
Housing Metallurgy	Carbon Steel standard
Stage Metallurgy	Ni-Resist Type 1 standard
Stage Configuration	AR Modular, Q PLUS

Feature	*Design Benefits
Enhanced Vane Design	<ul style="list-style-type: none"> • Higher efficiency • More head-per-stage • Shorter pumps to accomplish lift requirements
Mixed Flow	Enhanced ability to handle <ul style="list-style-type: none"> • Free Gas • Solids • Heavy Oil
AR Modular	<ul style="list-style-type: none"> • Enhanced pump life • Wider operating range • Enhanced ability to handle down-thrust
Q Plus	<ul style="list-style-type: none"> • Tungsten carbide bearing for extended upthrust support
Optional Coatings Available	<ul style="list-style-type: none"> • Increases run-life • Resist abrasion • Resist corrosion

*When operated within the proper parameters as specified in the product catalog.

ESP TD675 QPLUS
Pump Performance Curve for ESP TD675 QPLUS
1 stage @60Hz 3500 RPM Specific Gravity 1.0



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To learn more about GE's innovative Lift Plus TD675 Mixed Flow Pump contact your GE sales representative.

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