



STARTECH PUMPS COMPANY

Model 4616SM®

AVAILABLE MOUNTING CONFIGURATIONS

4616SM-RP-F REDI-PRIME FRAME MOUNT
4616SM-F FRAME MOUNT

OPERATING LEVELS

MIN FLOW	360 GPM	82 m³/h
MAX FLOW	3200 GPM	727 m³/h
DISCHARGE SIZE	4"	100 mm
SUCTION SIZE	6"	150 mm
SOLIDS HANDLING	2"	5 mm
MAX SPEED	2000 RPM	2000 RPM
SHUT-OFF HEAD	375'	115 m
BEP HEAD	320'	98 m
BEP FLOW	2250 GPM	510 m³/h
BEP PERCENT	66%	66%



A typical picture of the pump is shown. Please contact StarTech Pump Company for further details. All information is approximate and for general guidance only.

PARTS	HIGH CHROME
IMPELLER	CHROME IRON
VOLUTE	CHROME IRON
VOLUTE CASING	CHROME IRON
SHAFT	4140 STEEL
SHAFT SLEEVE	420 STAINLESS STEEL
SUCTION COVER	DUCTILE IRON
WEAR PLATE	CHROME IRON
BACKPLATE	CHROME IRON
EXPELLER	CHROME IRON

The 4616SM pump is designed with StarTech's renowned quality and durability. It features a 4" discharge, 6" suction, and enclosed impeller. The pump body construction is high-chrome white iron. StarTech's patented CycloSeal® design with CycloGuard™ is standard, with a Type 2 single mechanical seal with Buna-N elastomers, and tungsten carbide vs. silicon carbide seal faces for abrasion resistance. The bearing frame includes tapered roller bearings. Multiple gland seal options: CycloSeal - standard. Optional - Packed gland arrangements, expeller seal and double mechanical seal.

- CycloGuard™ to reduce inlet recirculation
- **Six vane impeller for high efficiency**
- **Infinitely variable volute and discharge position**
- Grease or oil lubricated bearing frame
- Ideal for series/multistage pumping applications
- Back pullout design to simplify maintenance



AGRICULTURE



FOOD



INDUSTRIAL



MINING



MUNICIPAL



OIL & GAS



REFRIGERATION



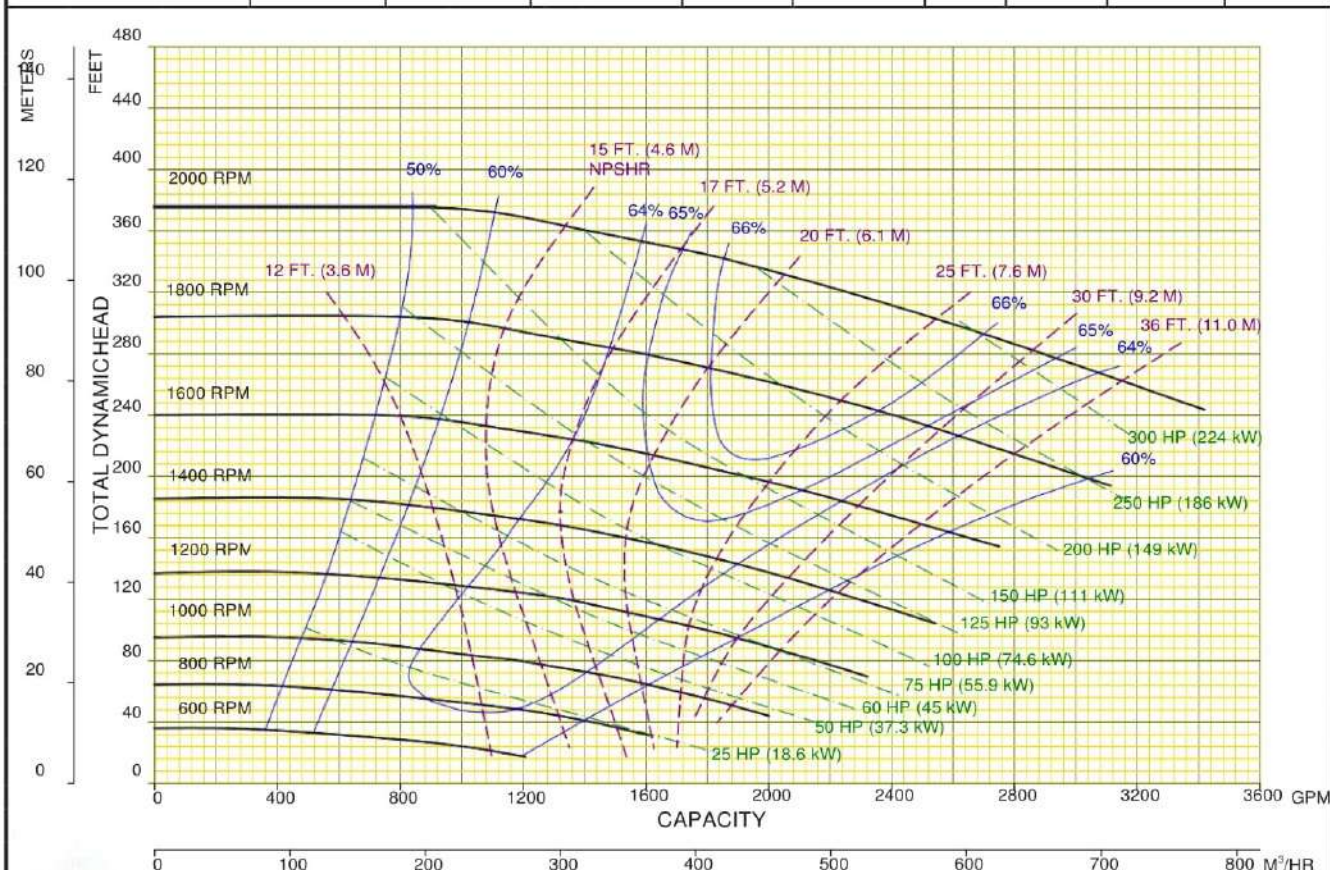
RENTAL



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Performances shown are for S.G. 1.0 60°F water, frame mounted configuration with Cycloseal. Other mounting styles or S.G. may require curve adjustments.	Speed	Impeller Dia.	Style	Volute	Solids Dia.	N _s	Suction	Discharge	No. Vanes
	VARIOUS	15.75" (400mm)	ENCLOSED	SINGLE	2" (50mm)	1230	6" (150mm)	4" (100mm)	6



StarTech Pump Company	00	08/31/16	JG	MODEL : 4616SM	CURVE NO: 4616SMVA
	AC	12/17/15	JG	TYPE : SLURRY	