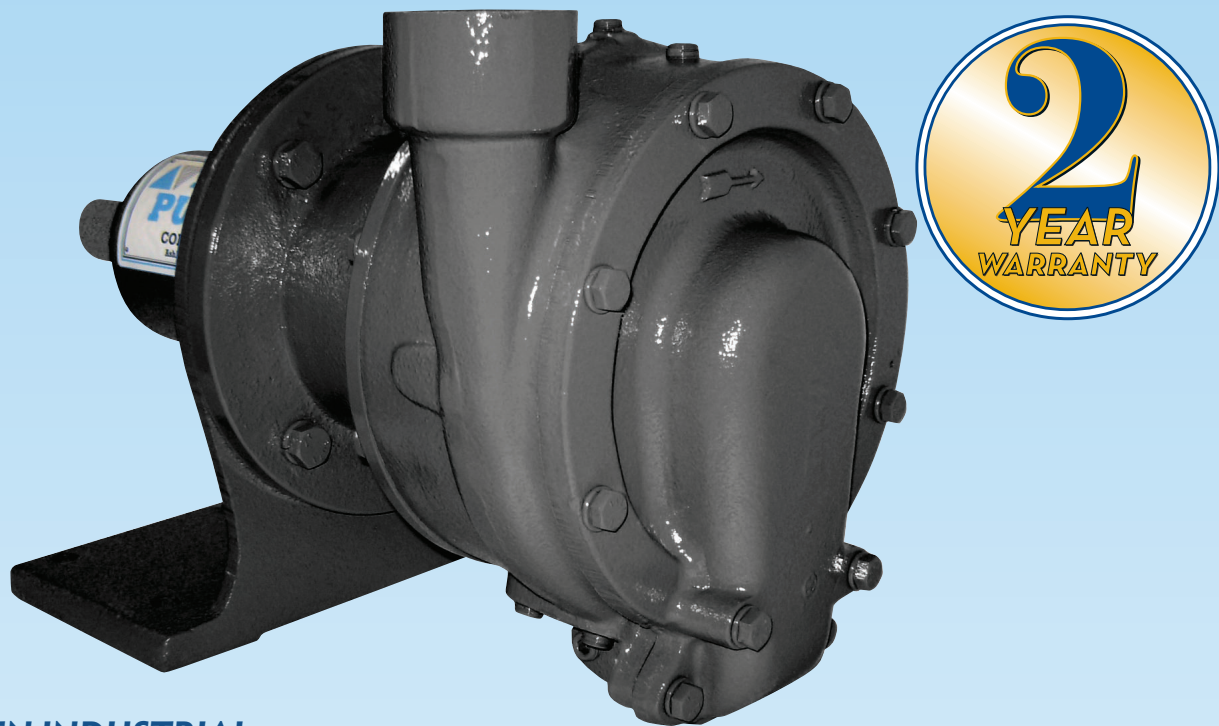


KI-TSC Two Stage Centrifugal Pumps



KEEN INDUSTRIAL
Two-Stage Centrifugal Pumps Feature:

High Head Performance

- 510 feet (220 psi) @ 4000 rpm
- 405 feet (175 psi) @ 3450 rpm
- 300 feet (130 psi) @ 3000 rpm

Rugged Construction

- High Tensile Strength Cast Iron Castings
- Balanced Bronze Impellers
- Bronze Wear Rings
- Silicon Carbide / Viton / Stainless Steel Shaft Seal

Versatile Construction Options

- Pump End Only (1¼" Keyed Shaft End)
- Frame Mounted Pump / Motor Assembly
- (8) Location Options for 1½" NPT Discharge
- (2) Location Options for 2" NPT Inlet

Value

- Immediately Available for Quick Shipment
- Priced to Save You Money
- Interchangeable with Other Manufacturer's Pump
- Parts / Service Kits in Stock (24 Hour Delivery)

Applications

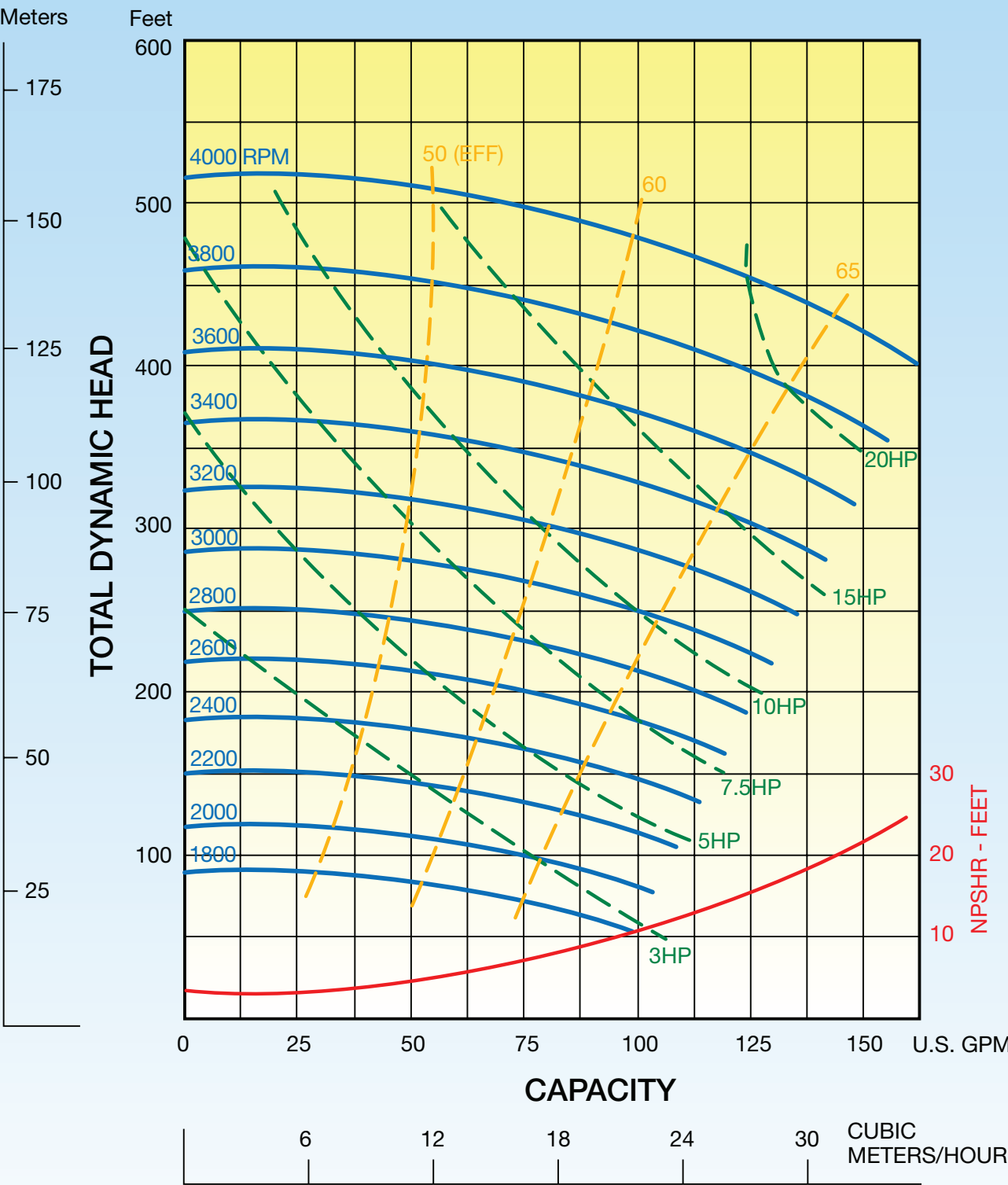
- Agricultural Spraying
- Car Wash
- OEM Deicing Equipment
- Booster Service
- Boiler Feed
- Irrigation
- Golf Course Sprinkling



Performance Curve – KI-TSC

Variable RPM

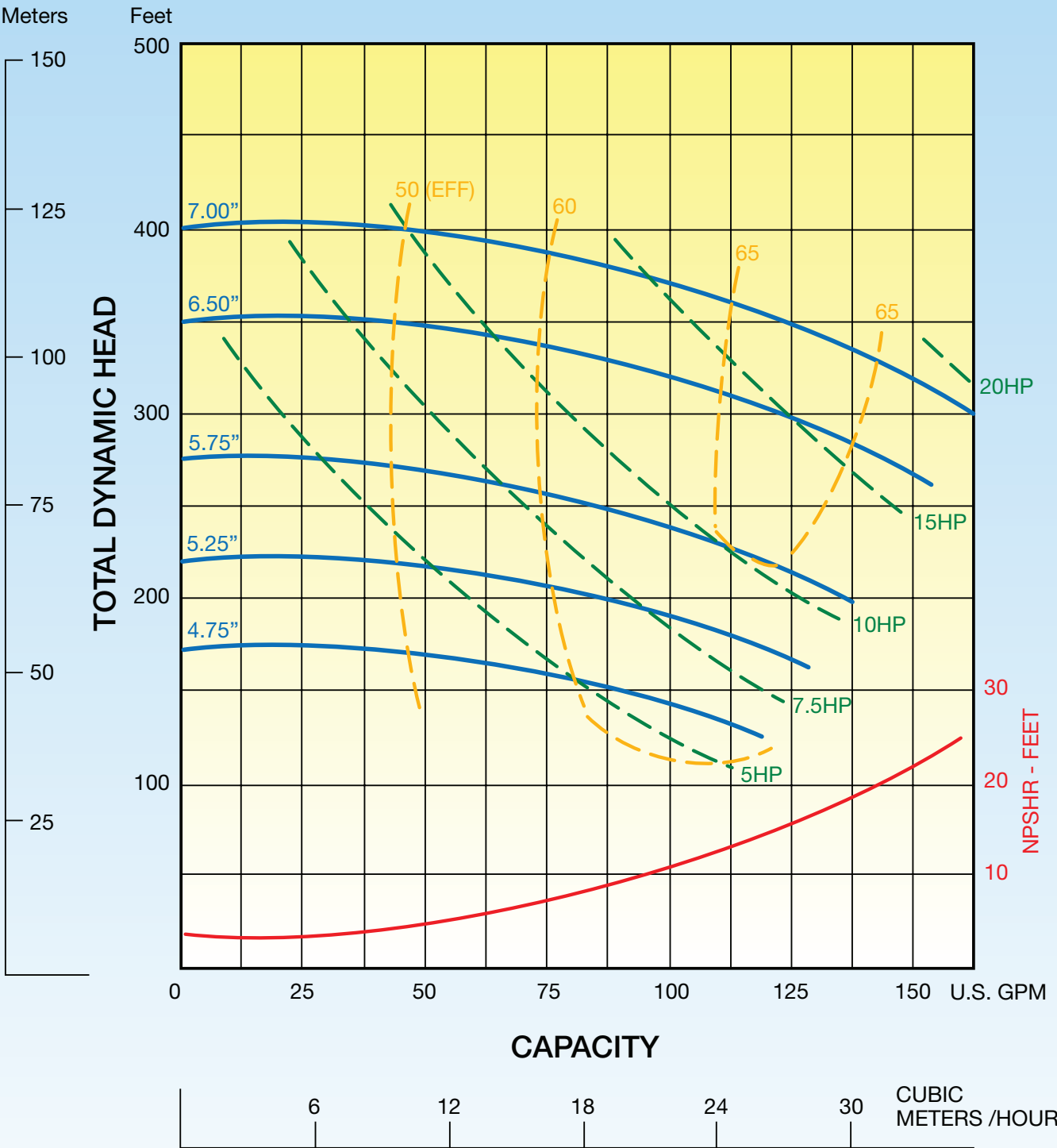
Impeller Diameter: 6.7" • Suction: 2" • Discharge: 1½"



Performance Curve – KI-TSC

3450 RPM

Impeller Diameter: As Indicated • Suction: 2" • Discharge: 1½"



Construction Materials

VOLUTE CASE

Versatile (8) position discharge orientation for convenient adaptation to your piping requirements. 1-1/2" NPT discharge. Cast iron case with bronze wear ring.

IMPELLERS

Opposing dual enclosed bronze impellers for high pressure performance. Opposing design offsets thrust and minimizes bearing loading. Dynamically balanced for smooth, vibration-free operation.

SEAL BRACKET

Contains a reversible 2" NPT inlet, which can be oriented for either left or right side entrance. The bracket contains an oil reservoir and lubricating port, maintaining cool mechanical seal face operation.

SNAP RING

Holds the bearing and shaft assembly in place, preventing any axial movement.

GREASE FITTINGS

A grease fitting for each ball bearing provides easy, quick maintenance and lubrication.

SLINGERS

Rubber slingers shield the bearings from moisture, dirt and other impurities.

SHAFT BEARINGS

(2) heavy duty ball bearings, regreasable, greased during assembly. The bearings are sealed on the outboard side.

PUMP SHAFT

Corrosion resistant stainless steel provides long life in many applications.

BEARING BRACKET

Heavy duty cast iron bracket holds the two shaft ball bearings in exact alignment, keeping the shaft and impeller assembly running quiet and vibration-free. The bracket provides rigid support for the pump end.

PAINT & PRIMER COATING

Durable enamel paint coating over a solid covered neutralizing primer base.

WEAR RINGS

(3) bronze wear rings, (2) for the impeller inlets, (1) common bushing for the impeller heads. Maintains peak pump operating performance. Bronze rings are easily replaceable and eliminates wear to the castings.

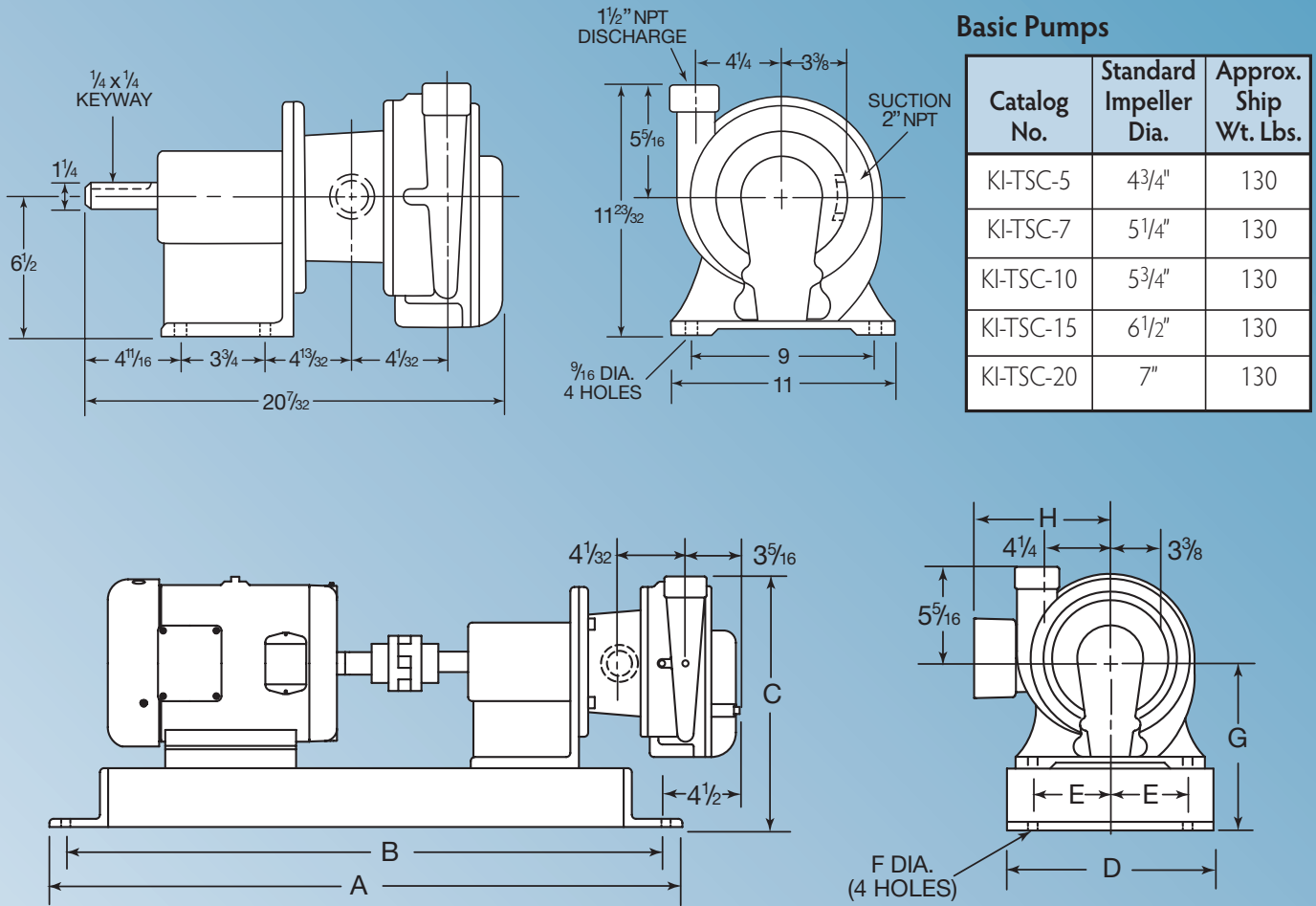
MECHANICAL SHAFT SEAL

Durable, chemical and grit resistant silicon carbide faces, viton elastomer and stainless steel parts. Located on the inlet (low pressure) side of the pump, allowing for a maximum 80 psi inlet pressure.

DRAIN PLUGS

Conveniently located, allowing the (8) position discharge orientation and always providing for liquid draining capabilities.

Specifications (for estimating only)



Basic Pumps

Catalog No.	Standard Impeller Dia.	Approx. Ship Wt. Lbs.
KI-TSC-5	4 3/4"	130
KI-TSC-7	5 1/4"	130
KI-TSC-10	5 3/4"	130
KI-TSC-15	6 1/2"	130
KI-TSC-20	7"	130

Frame Mounted (with motor)

Catalog No.	Pump Motor HP	Motor Frame	Pump Shaft Dia.	Motor Shaft Dia.	Dimension-Inches									Approx. Ship Wt. Lbs.
					A	B	C	D	E	F	G	H	I	
KI-TSC-5P	5	184T	1 1/4"	1 1/8"	37	35	14 13/16	12	5	5/8	9 1/2	8 1/16	14 13/16	365
KI-TSC-7P	7 1/2	213T	1 1/4"	1 1/8"	37	35	14 13/16	12	5	5/8	9 1/2	8 1/16	14 13/16	375
KI-TSC-10P	10	215T	1 1/4"	1 3/8"	42	40	15 5/16	15	6 1/2	1 1/16	10	8 7/8	15 5/16	410
KI-TSC-15P	15	254T	1 1/4"	1 3/8"	42	40	15 5/16	15	6 1/2	1 1/16	10	8 7/8	15 5/16	450
KI-TSC-20P	20	256T	1 1/4"	1 3/8"	42	40	15 5/16	15	6 1/2	1 1/16	10	9 11/16	15 5/16	510



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KI-TSC-409 2.5M



Construction Available
• Bronze Fitted
• Stainless Steel



KI-TSC
Two Stage
Centrifugal Pumps

