



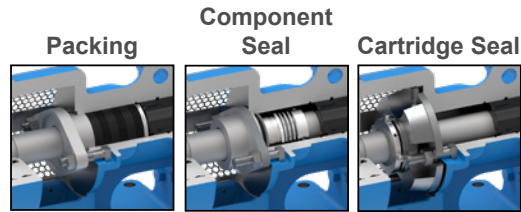
223C SERIES™, 4223C SERIES™

STEEL EXTERNALS CONSTRUCTION | UNIVERSAL PRODUCT LINE



FEATURES & BENEFITS

- All steel construction for refinery and petrochemical applications
- Recommended for extremely high temperatures
- Widest range of sealing options available
- U-Plus™ bracket, available on H-QS sizes, accepts a wide range of sealing options



U-Plus™ bracket seal chamber accepts a variety of seal types

Jacketing for steam, hot oil, or water circulation to maintain a constant temperature

Double row ball bearing or tapered roller bearings for axial thrust control

KK223C
Shown with Packing

Large diameter threaded bearing housing allows easy seal removal

One-piece cast bracket with seal between bearings provides rigid foundation to maximize seal and bearing life

Internal circulation promotes flow behind the rotor

Idler

Casing Drain

Rotor

ProPort™ casing offers an adaptable port design with a variety of port sizes and types



CAPACITY
to 500 GPM
(114 m³/h)



PRESSURE
to 200 PSI
(14 BAR)



VISCOSITY
28 to 2,000,000 SSU
(0.1 to 440,000 cSt)



TEMPERATURE
-20°F to +800°F
(-30°C to +430°C)

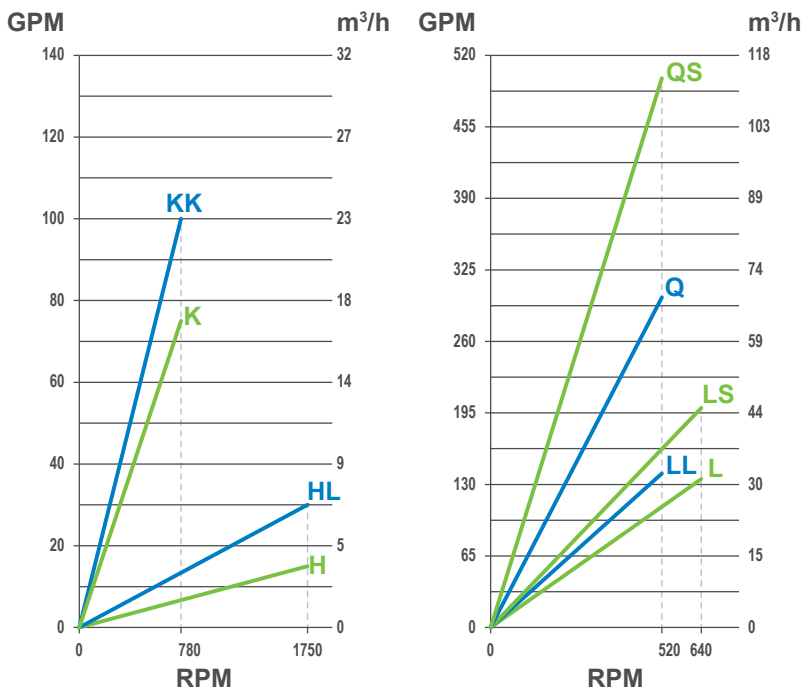
PERFORMANCE

MODELS		SPECIFICATIONS				
Non-Jacketed*		Performance			Standard Ports*	
Packing	Mechanical Seal	Max Speed, RPM	GPM	m ³ /h	Size, Inches	Type**
H223C	H4223C	1750	15	3.4	1.5	Flange
HL223C	HL4223C	1750	30	6.8	1.5	Flange
K223C	K4223C	780	75	17	2	Flange
KK223C	KK4223C	780	100	23	2	Flange
L223C	L4223C	640	135	31	2.5	Flange
LL223C	LL4223C	520	140	32	3	Flange
LS223C	LS4223C	640	200	45	3	Flange
Q223C	Q4223C	520	300	68	4	Flange
QS223C	QS4223C	520	500	114	6	Flange

* All sizes available with opposite porting

** To see all port options, refer to Catalog Section 2302

CURVES



PORTING

- Right Angle (90°) (Rotatable Casing), H-Q
- Opposite (180°) (Rotatable Casing), QS
- Flanged (ANSI)

SEALING

- Packing
- Component Mechanical Seal
- Cartridge Mechanical Seal
- Cartridge Triple Lip Seal

MOUNTING

- Foot Mount

OPTIONS

- Low temperature carbon steel down to -50°F (-45°C)

DRIVES

- Offset Gear Reducer Drive
- Purchased Gear Reducer Drive
- Direct-Mounted Drive, H-HL
- V-Belt Drive

TYPICAL APPLICATIONS

- Crude Oil
- Heavy Fuel Oil
- Lube Oil
- Asphalts & Bitumens
- Rubber Solution
- Waxes

VIKING PUMP

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