



224A SERIES™, 324A SERIES™ FOR ASPHALT

CAST IRON CONSTRUCTION | UNIVERSAL PRODUCT LINE



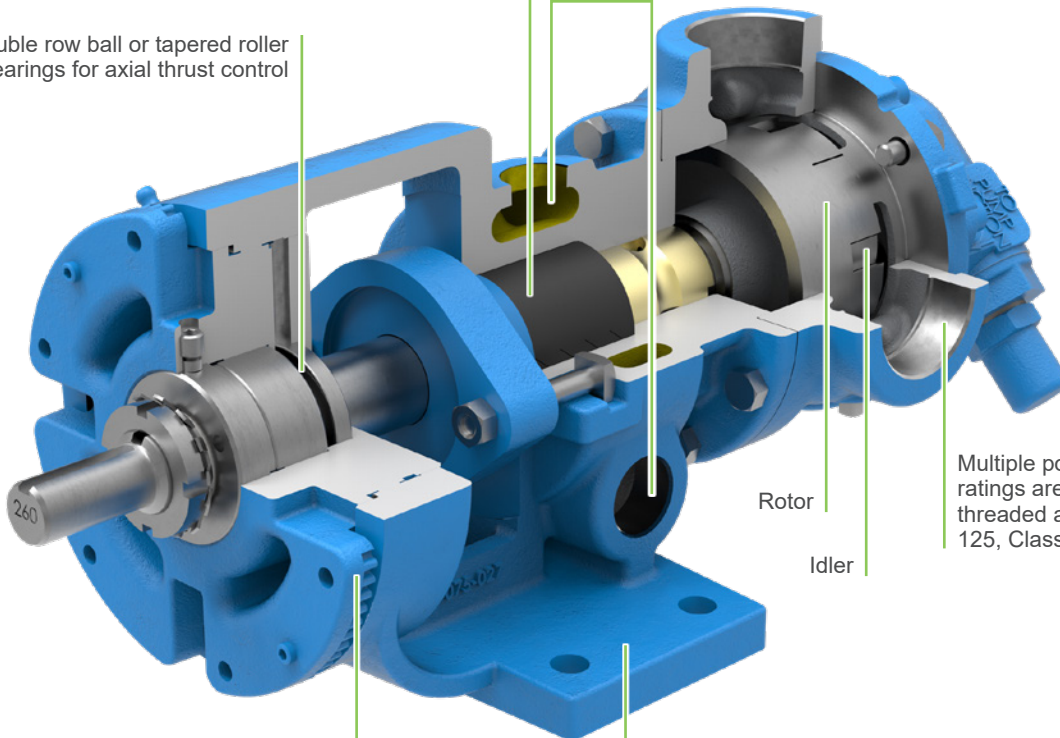
FEATURES & BENEFITS

- Rugged and reliable, yet economical
- Tight clearances offer high efficiency and excellent priming capabilities
- Integral jacket chambers in the bracket and head surround the seal and pump internals for rapid & efficient heating using steam or hot oil
- Optional hardened bushings, shaft, rotor and idler offer wear resistance in abrasive applications

Universal bracket design accommodates virtually all sealing types and manufacturers

Double row ball or tapered roller bearings for axial thrust control

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



Multiple port sizes, types, and ratings are available including threaded and flanged (Class 125, Class 250)

Rotor

Idler

Threaded one-piece bearing housing allows for easy end clearance adjustment

One-piece cast bracket provides rigid foundation



CAPACITY
to 1,600 GPM
(363 m³/h)



PRESSURE
to 200 PSI
(14 BAR)



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



TEMPERATURE
-60°F to +450°F
(-50°C to +230°C)

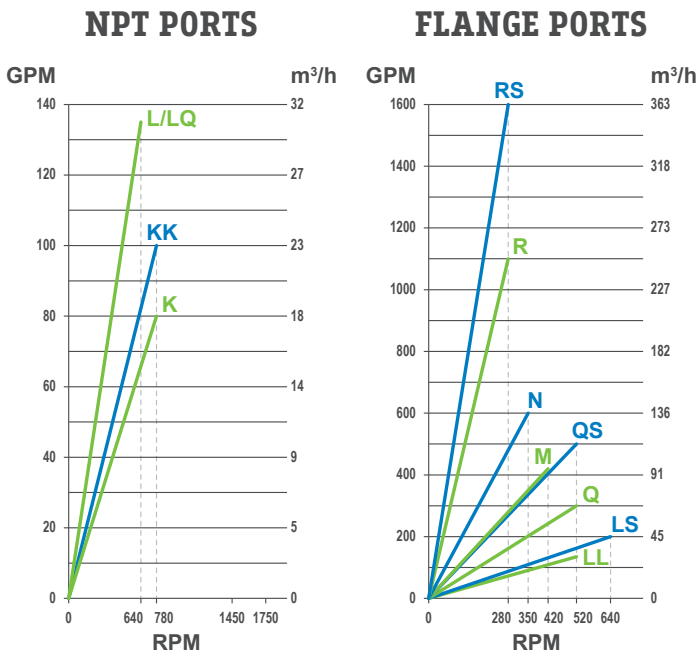
PERFORMANCE

MODELS		SPECIFICATIONS			
Jacketed	Nominal Pump Rating (100 SSU & Below)			Standard Ports	
Packed Gland	Max Speed, RPM *	GPM	m ³ /h	Size, Inches	Type
K224A	780	80	18	2	NPT
KK224A	780	100	23	2	NPT
L224A	640	135	31	2	NPT
LQ224A	640	135	31	2.5	Flange
LL224A	520	140	32	3	Flange
LS224A	640	200	45	3	Flange
Q224A	520	300	68	4	Flange
QS224A	520	500	114	6	Flange
M224A	420	420	95	4	Flange
N324A	350	600	136	6	Flange
R324A	280	1100	250	8	Flange
RS324A	280	1600	363	10	Flange

* Pumps used for filled asphalt should be run at slower than normal speeds, which may require a larger pump.

Note: Jacketed bracket and jacketed head are standard.

CURVES



PORTING

- Right Angle (90°) (Rotatable Casing), K-Q & M
- Opposite (180°), QS-RS
- NPT
- Flanged (ANSI), LQ-RS

SEALING

- Packing

MOUNTING

- Foot Mount

OPTIONS

- High temp construction for temperatures exceeding 450°F
- Hardened features for asphalts with abrasive content

DRIVES

- Offset Gear Reducer Drive
- Purchased Gear Reducer Drive
- V-Belt Drive

TYPICAL APPLICATIONS

- Filled Asphalt
- Cutback Asphalt
- Asphalt Emulsion
- Polymer Modified Asphalts (PMA)
- Flux
- Blown Asphalt
- Pitch



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