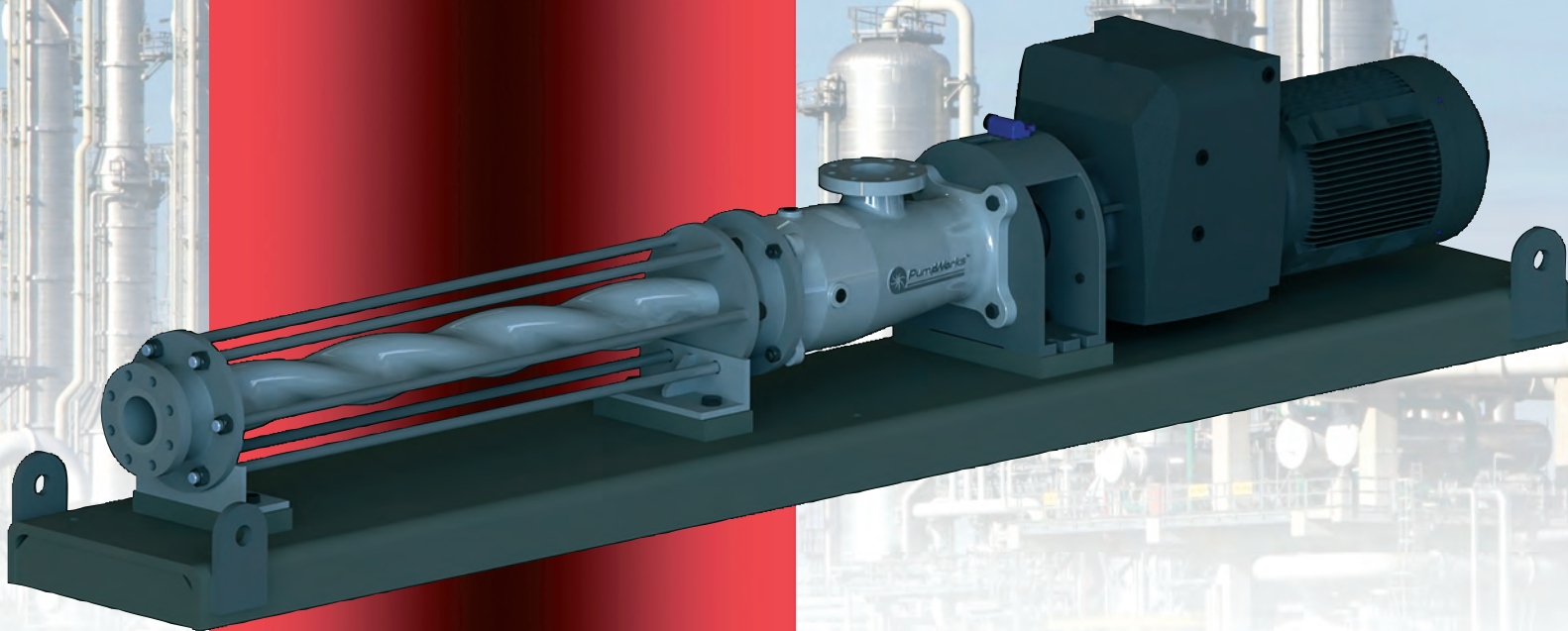




PW-PC

**PROGRESSIVE CAVITY
PROCESS PUMP**



FEATURES AND BENEFITS

- Low operating speeds for decreased wear and increased reliability
- Oversized shaft and bearings for stable, reliable operations
- Broad flow and pressure ranges with low NPSH requirements for unique Upstream Oil and Gas applications
- Minimal pulsation with uniform, controlled flow eliminating the need for dampeners
- High self-priming capabilities typically experienced in many Upstream Oil and Gas applications, including air and gas mixtures
- Large entrance ports for improved solids handling
- Low shears rates ideal for gently conveying product with solids

KEY MATERIALS OF CONSTRUCTION

- Housing and Suction Chamber
 - ASTM A216 WCB Carbon Steel
 - Optional: 316 Stainless Steel
- Rotor
 - AISI 4140 with Duktal® coating
 - Optional: 410 Stainless Steel, 316 Stainless Steel with Duktal® coating
- Stator
 - HNBR
 - Optional: Fluoroelastomer Terpolymer (Viton)

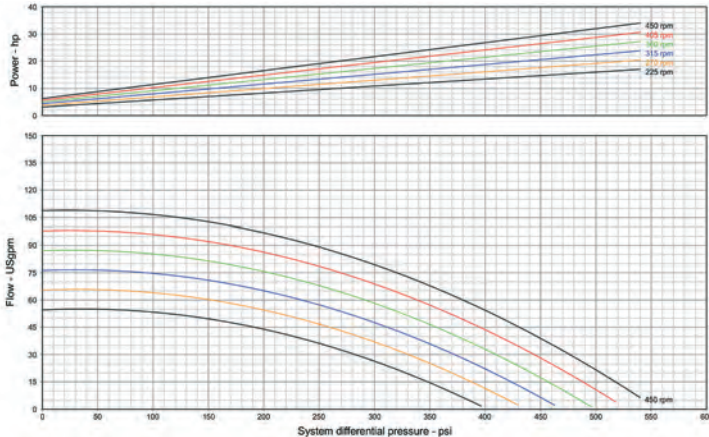
APPLICATIONS

- Pipeline Injection
- Salt Water Disposal
- LACT Systems

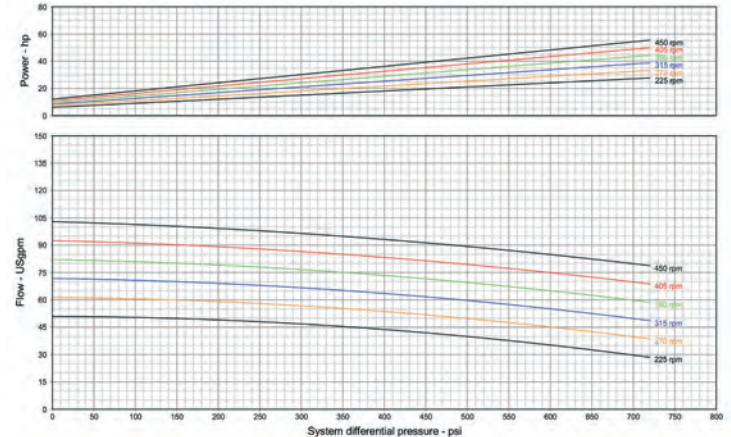
HYDRAULIC PERFORMANCE COVERAGE

60 Hz Performance Coverage

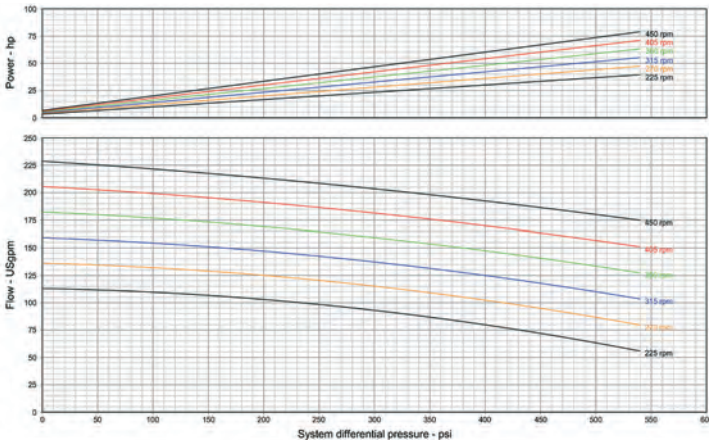
3X3 2 STAGE



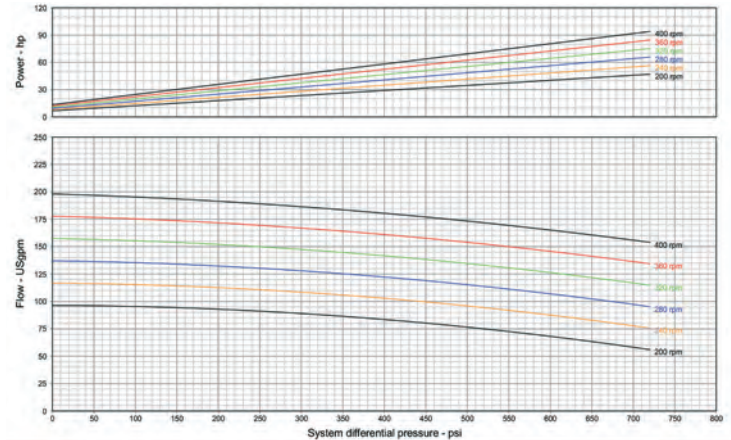
3X3 4 STAGE



4X4 2 STAGE



4X4 4 STAGE



Visit our web site at www.pumpworks.com – specify flow and performance needs and obtain pump selection and performance curve.

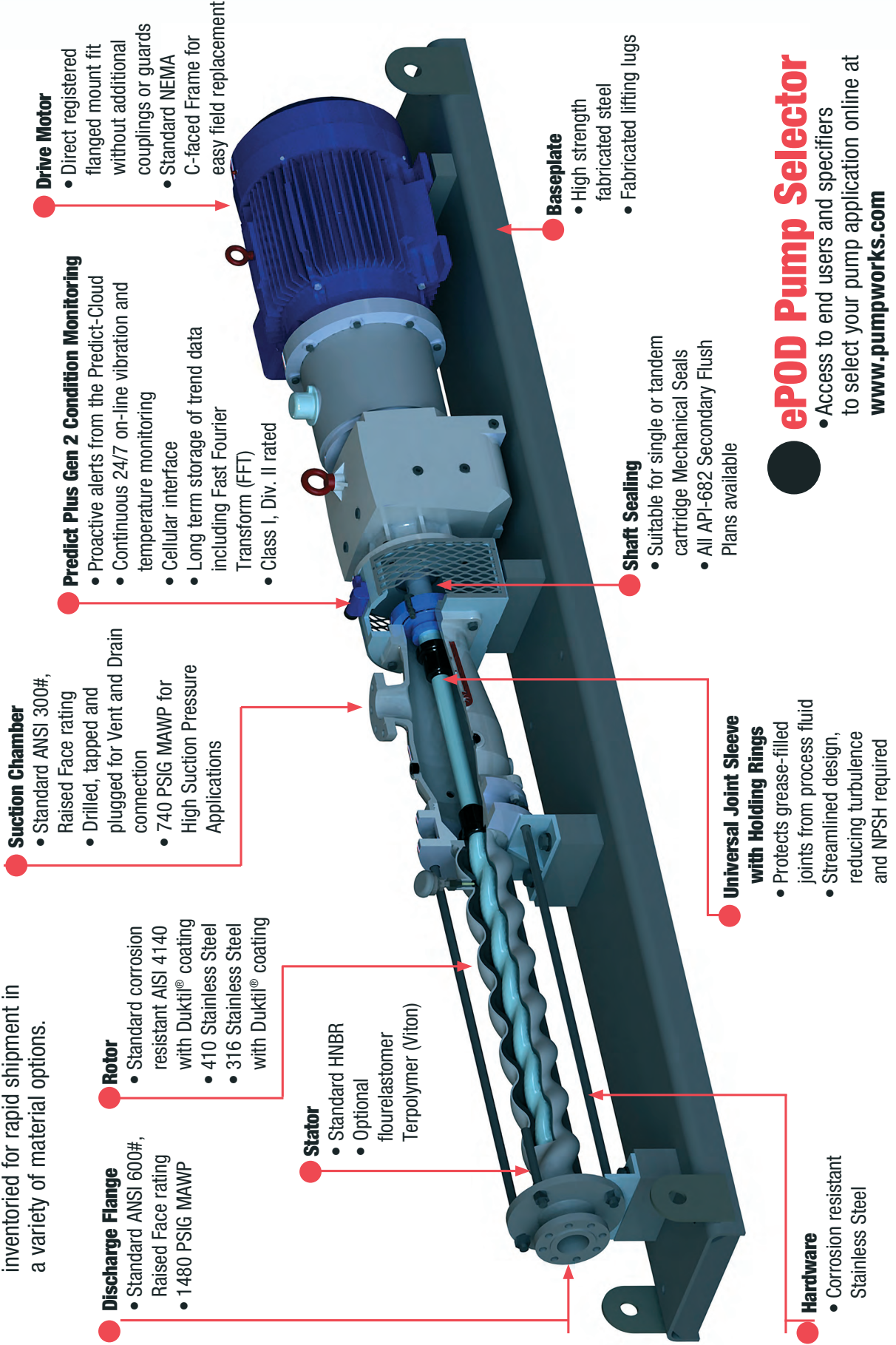
PW-PC PROGRESSIVE CAVITY PROCESS PUMP

Delivery

- Pump components strategically inventoried for rapid shipment in a variety of material options.

Quality

- Manufactured and tested in the USA



Discharge Flange

- Standard ANSI 600#, Raised Face rating
- 1480 PSIG MAWP

Rotor

- Standard corrosion resistant AISI 4140 with Duktal® coating
- 410 Stainless Steel
- 316 Stainless Steel with Duktal® coating

Stator

- Standard HNBR
- Optional fluorelastomer Terpolymer (Viton)

Suction Chamber

- Standard ANSI 300#, Raised Face rating
- Drilled, tapped and plugged for Vent and Drain connection
- 740 PSIG MAWP for High Suction Pressure Applications

Predict Plus Gen 2 Condition Monitoring

- Proactive alerts from the Predict-Cloud
- Continuous 24/7 on-line vibration and temperature monitoring
- Cellular interface
- Long term storage of trend data including Fast Fourier Transform (FFT)
- Class I, Div. II rated

Drive Motor

- Direct registered flanged mount fit without additional couplings or guards
- Standard NEMA C-faced Frame for easy field replacement

Baseplate

- High strength fabricated steel
- Fabricated lifting lugs

Shaft Sealing

- Suitable for single or tandem cartridge Mechanical Seals
- All API-682 Secondary Flush Plans available

Universal Joint Sleeve with Holding Rings

- Protects grease-filled joints from process fluid
- Streamlined design, reducing turbulence and NPSH required

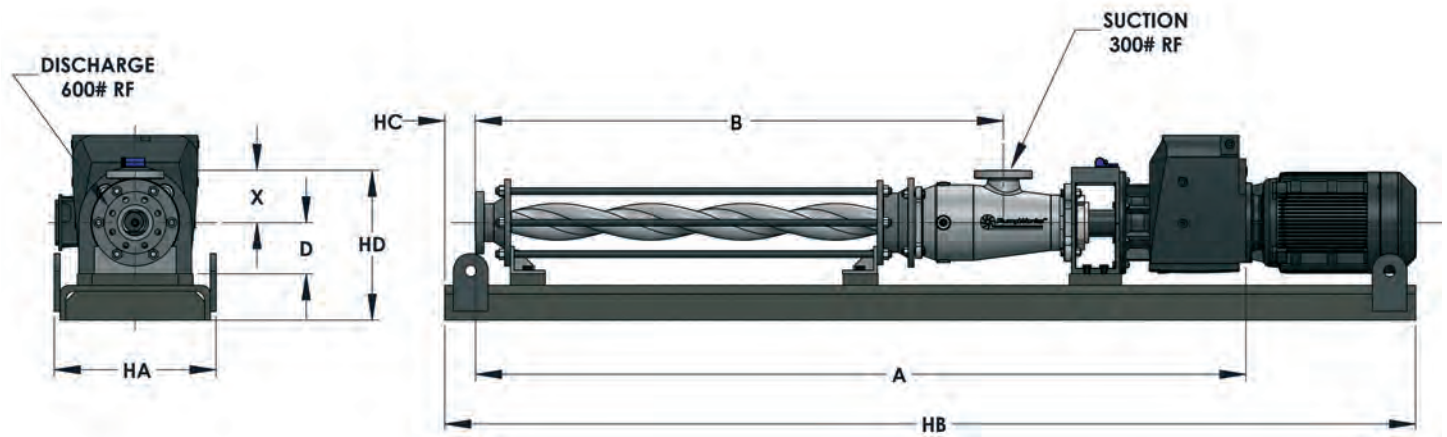
Hardware

- Corrosion resistant Stainless Steel

ePOD Pump Selector

- Access to end users and specifiers to select your pump application online at www.pumpworks.com

DIMENSIONS AND WEIGHTS



All dimensions in inches (mm) and weights in lbs. (kg)

PUMP SIZE	SUCTION SIZE	DISCHARGE SIZE	A	B	D	X	HA	HB	HC	HD	WEIGHT less motor
3X3 2 stage	3 (76)	3 (76)	74.8 (1900)	39.4 (1000)	7.1 (180)	6.3 (160)	19.0 (483)	113.4 (2880)	4.5 (114)	19.6 (499)	520 (236)
3x3 4 stage	3 (76)	3 (76)	117.5 (2984)	72.6 (1845)	7.1 (180)	7.5 (190)	21.0 (533)	152.5 (3874)	5.0 (127)	23.3 (592)	1915 (870)
4x4 2 stage	4 (102)	4 (102)	97.8 (2485)	50.1 (1272)	7.1 (180)	7.5 (190)	19.0 (483)	136.0 (3454)	5.2 (132)	23.3 (592)	749 (340)
4x4 4 stage	4 (102)	4 (102)	148.0 (3760)	91.4 (2321)	7.1 (180)	9.1 (230)	26.0 (660)	189.0 (4801)	5.0 (127)	29.1 (740)	3090 (1404)

NEMA MOTOR FRAME	284TC	286TC	324TC	326TC	364TC	365TC	405TC	444TC	445TC
WEIGHT	430 (195)	445 (202)	585 (266)	620 (282)	895 (407)	910 (413)	1375 (625)	1760 (800)	1990 (904)

Dimensions and weights are approximate and not to be used for construction.



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