

HARTMANN

PUMPS - MOTORS - CONTROLS

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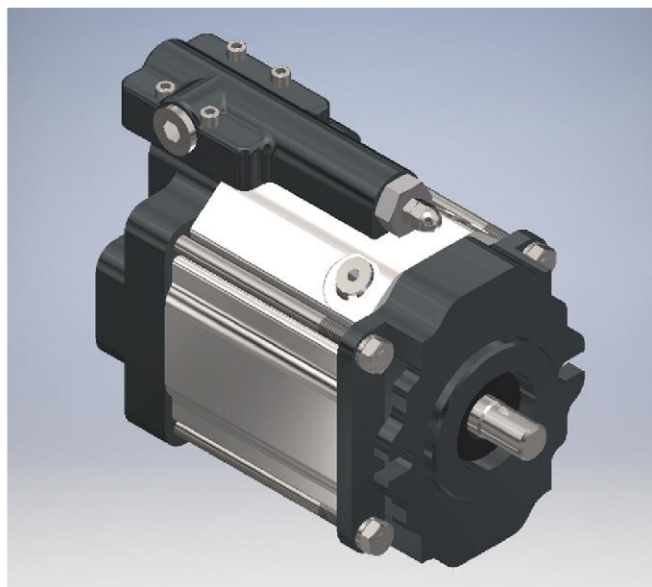
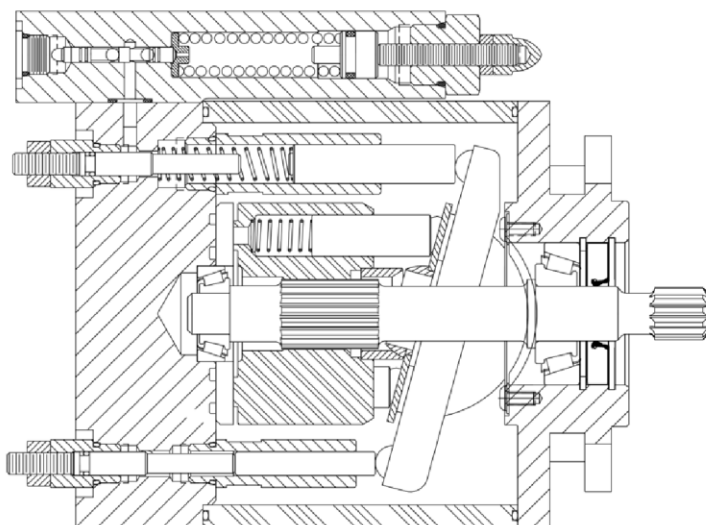
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PVD8-PVD24

DISPLACEMENTS FROM 8-24 CC/REV

VARIABLE DISPLACEMENT, AXIAL PISTON, SWASH PLATE DESIGN PUMP



Features:

- Offered with standard SAE 'A', 2-bolt mount.
- Incorporated in a compact design with rugged ductile iron frame.
- Offered with variety of porting configurations.
- Offered with a variety of drive shaft options.
- Is Service friendly.
- Equipped with Viton shaft seal and O-rings.
- Can be fitted with a variety of control options.
- Equipped with maximum and minimum volume stops. The latter is adjustable.

This versatile PVD pump is aimed at operating in both industrial and mobile applications. With its continuous operating pressures ranging from 200 to 4500 psi, and shaft speeds up to 3200 rpm at atmospheric inlet conditions, this pump is designed for a long and dependable service.



Pumps & Motors with a hart of gold TM

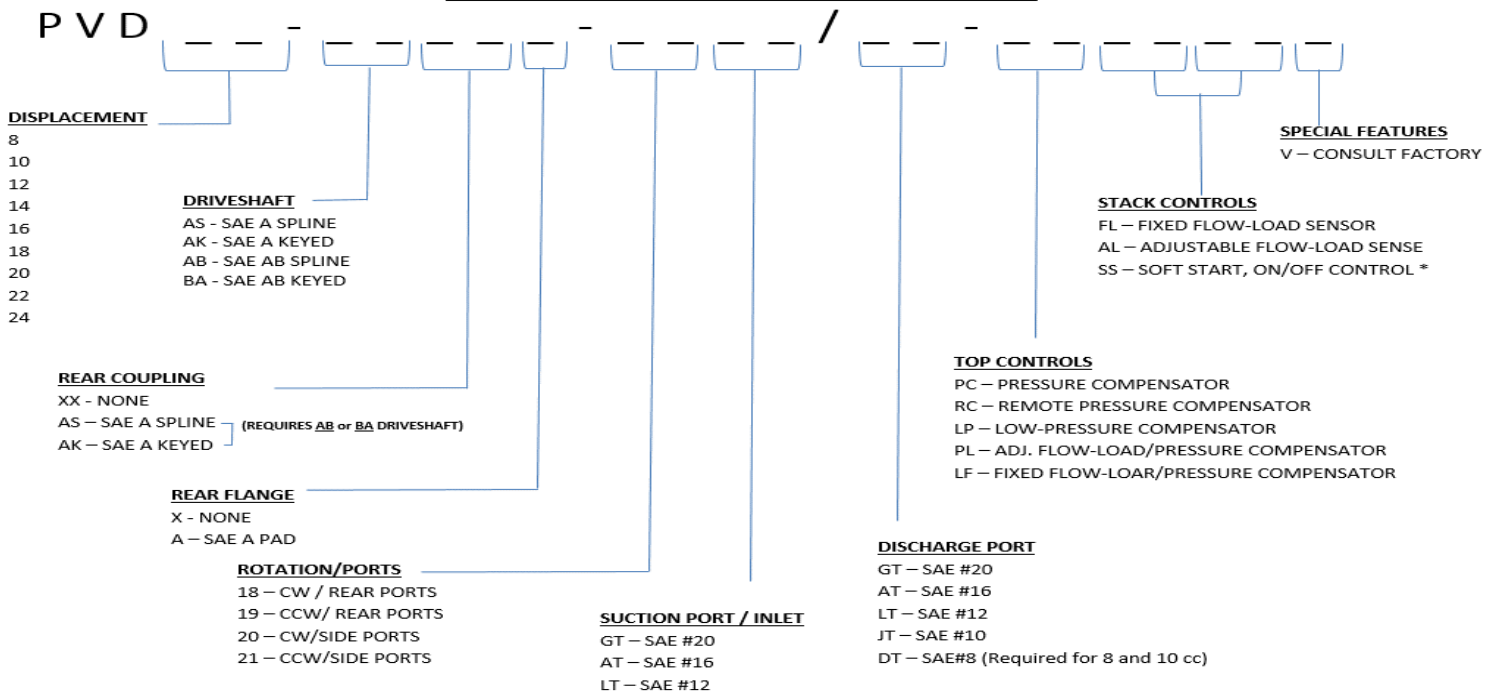
PVD 8-24 SPECIFICATIONS

PVD	RATED PRESSURE	PEAK PRESSURE	MINIMUM PRESSURE	
8-24	4500 psi (310 bar)	4950 psi (341 bar)	150 psi (10 bar)	

PVD	DISPLACEMENT	THEORETICAL FLOW @ 1800 rpm	SHAFT SPEED	
			MAXIMUM	MINIMUM
8	0.50 in ³ /rev (8 cm ³ /rev)	3.9 gal/min (14.8 l/min)	3200 rpm	600 rpm
10	0.61 in ³ /rev (10 cm ³ /rev)	4.7 gal/min (17.8 l/min)		
12	0.73 in ³ /rev (12 cm ³ /rev)	5.7 gal/min (21.6 l/min)		
14	0.85 in ³ /rev (14 cm ³ /rev)	6.6 gal/min (25.0 l/min)		
16	1.00 in ³ /rev (16 cm ³ /rev)	7.8 gal/min (29.5 l/min)		
18	1.10 in ³ /rev (18 cm ³ /rev)	8.6 gal/min (32.5 l/min)		
20	1.22 in ³ /rev (20 cm ³ /rev)	9.5 gal/min (36.0 l/min)		
22	1.34 in ³ /rev (22 cm ³ /rev)	10.4 gal/min (39.4 l/min)	3200 rpm w/ flooded inlet	
24	1.50 in ³ /rev (24 cm ³ /rev)	11.7 gal/min (44.2 l/min)		

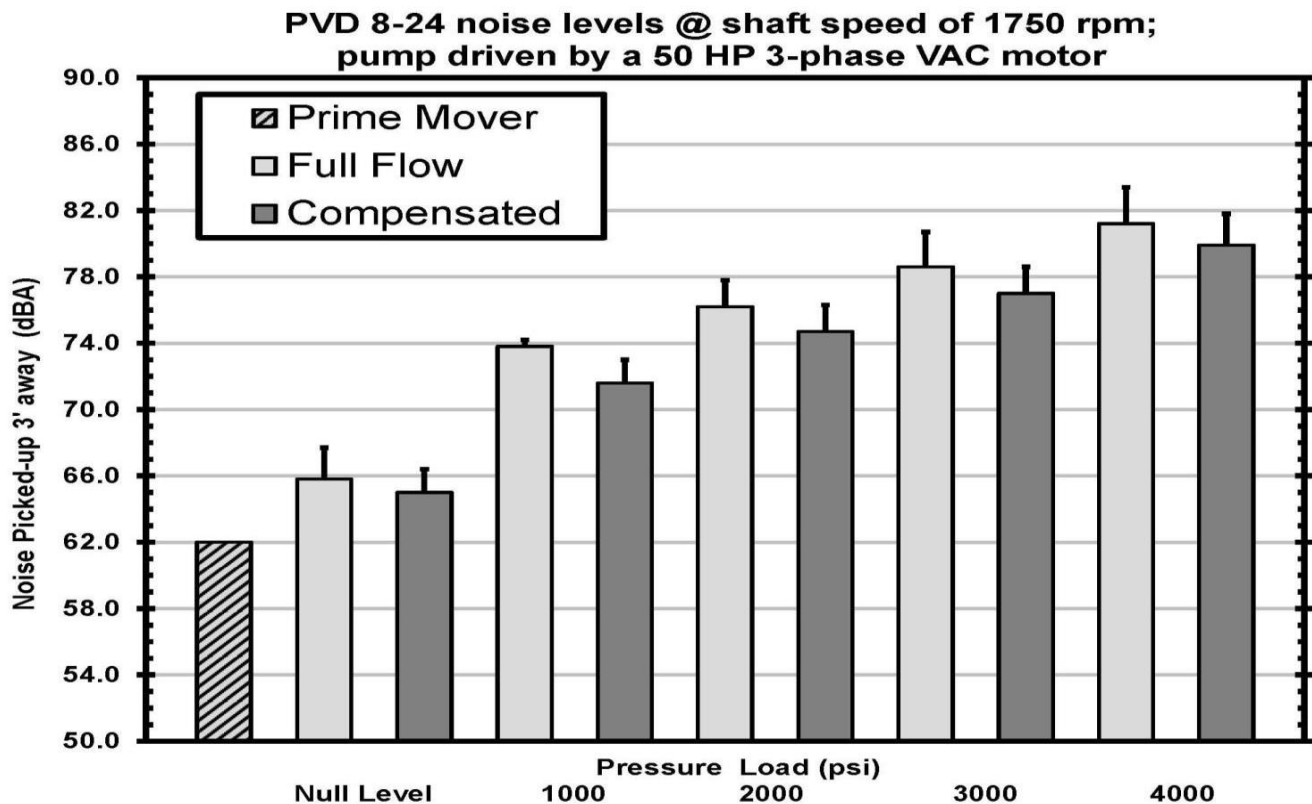
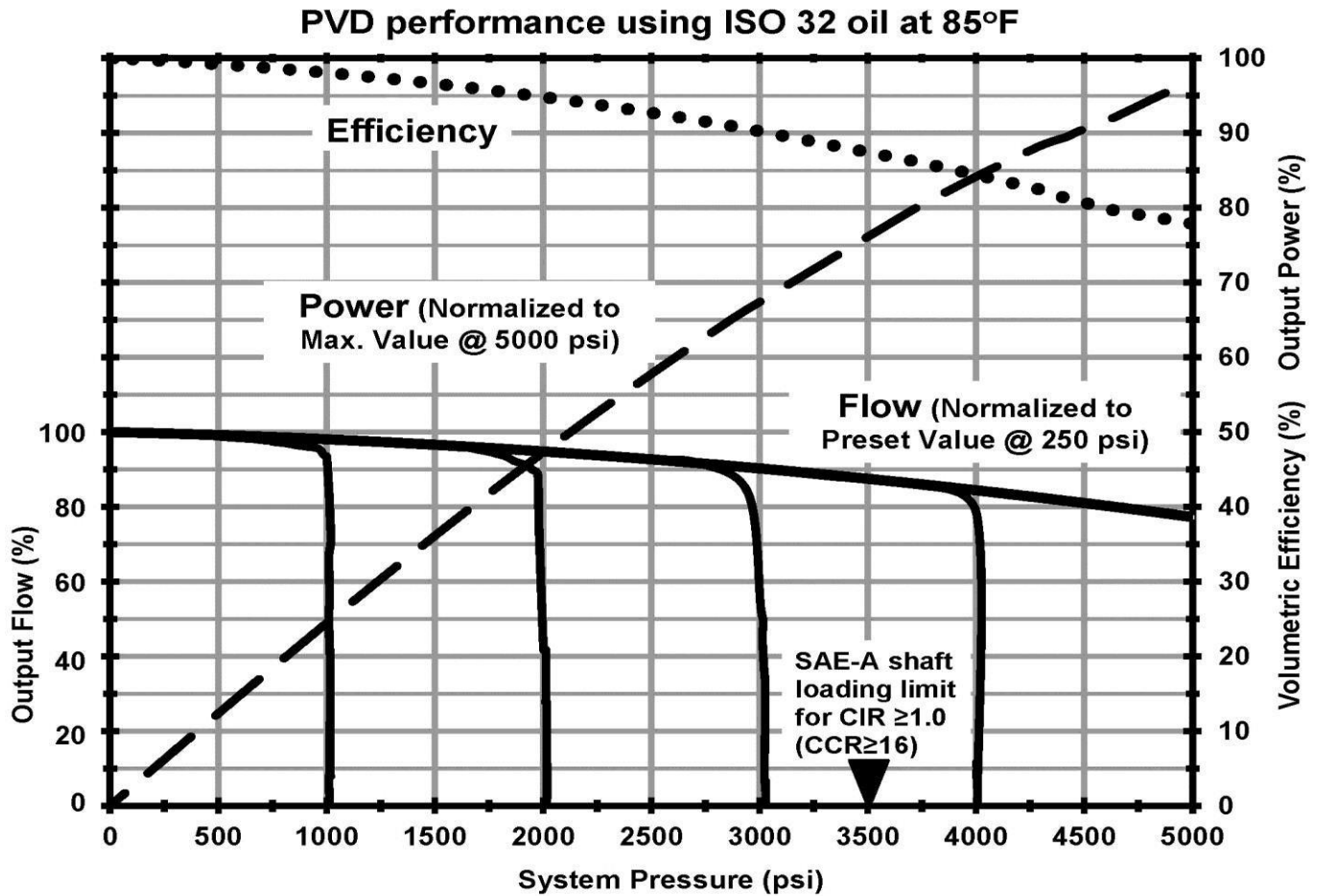
PVD	OUTPUT TORQUE @ RATED PRESSURE	SHAFT SIZE	RECOMMENDED TORQUE LIMIT
8	278 in-lb (31.5 N-m)	SAE A	609 in-lb (69 N-m)
10	340 in-lb (38.4 N-m)		
12	407 in-lb (46.0 N-m)		
14	474 in-lb (53.6 N-m)		
16	557 in-lb (62.9 N-m)		
18	613 in-lb (69.3 N-m)		
20	680 in-lb (76.8 N-m)		
22	747 in-lb (84.4 N-m)	SAE AB	1197 in-lb (135 N-m)
24	835 in-lb (94.4 N-m)		

MODEL SELECTOR CHART



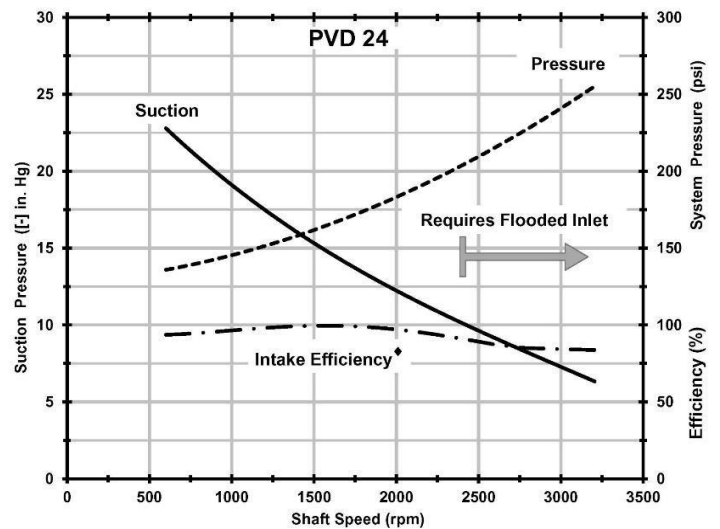
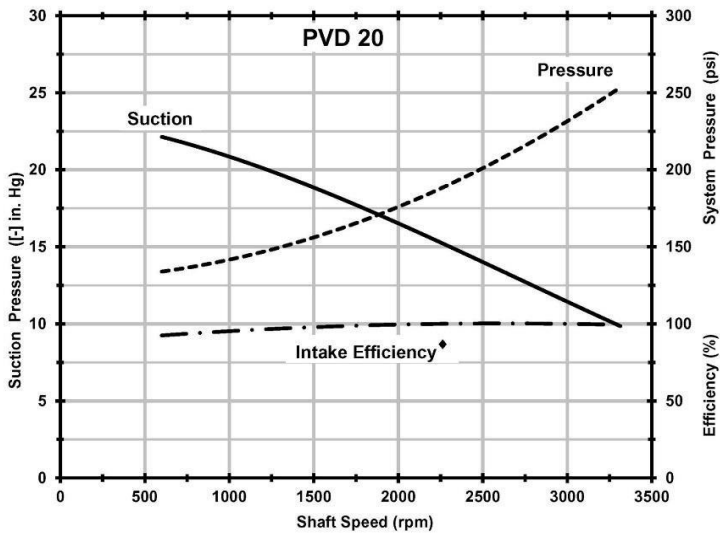
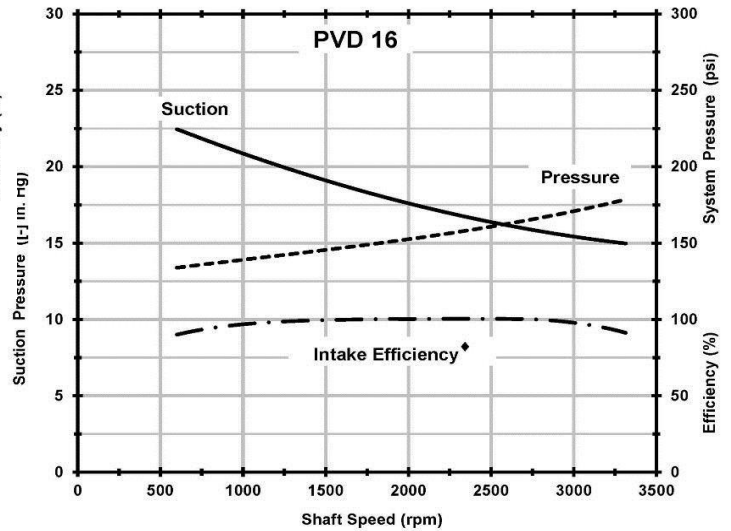
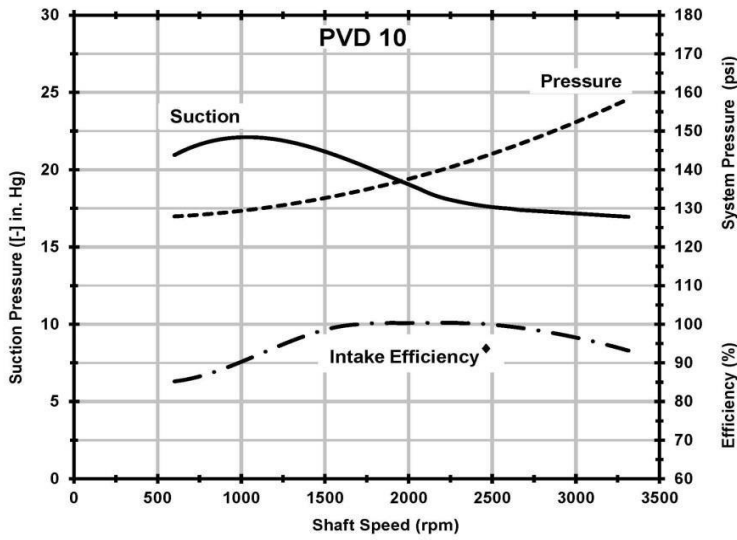
* - SPECIFY VOLTAGE, CONNECTION AND ENERGIZE OPTION

PVD 8-24 PUMP PERFORMANCE



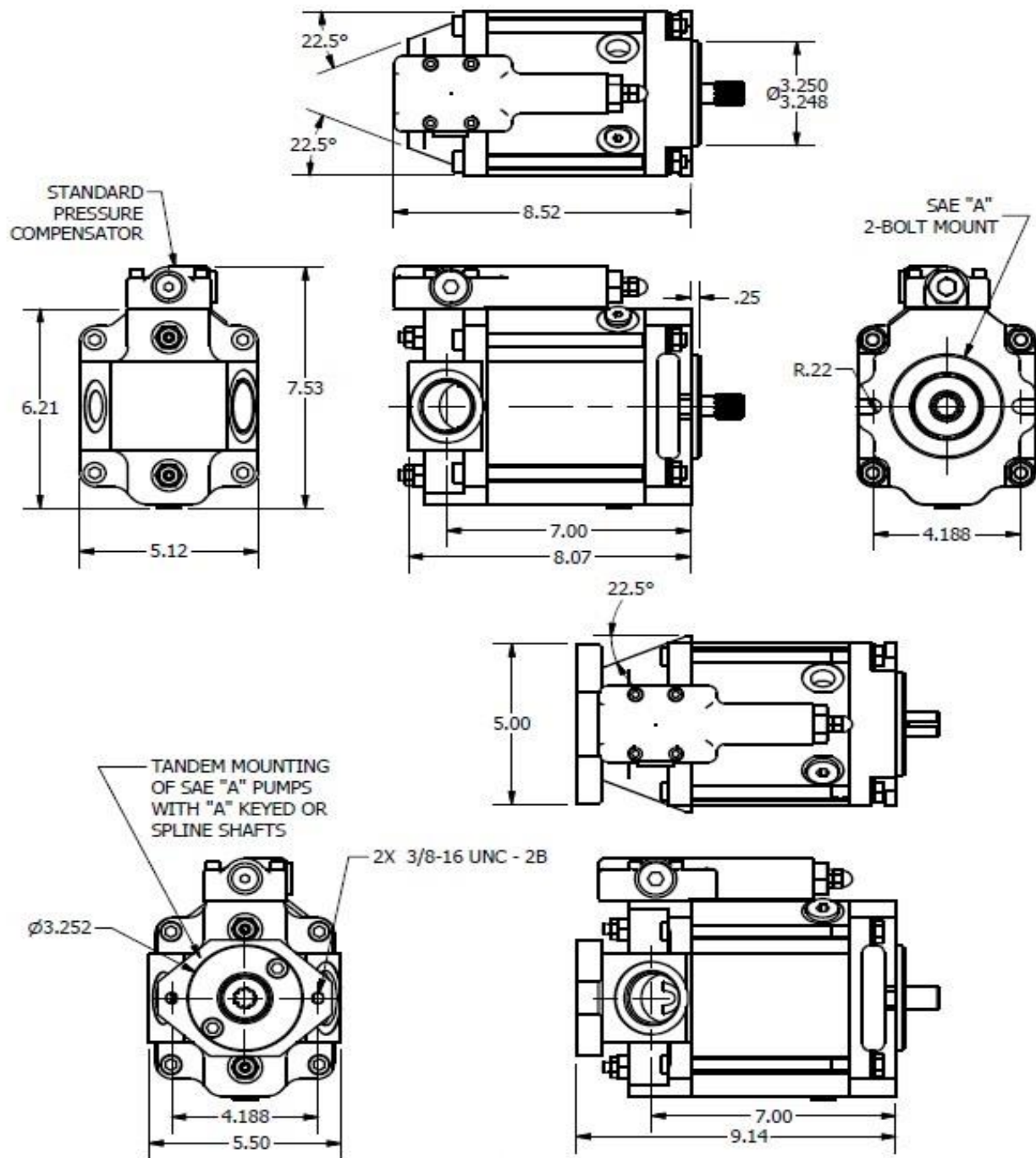
PVD 8-24 PUMP PERFORMANCE

PVD inlet characteristics using ISO 32 Oil @ 85°F



Intake data normalized to 1800 rpm; Standard preset

PVD 8-24 DIMENSIONS SIDE & TANDEM



DRIVESHAFT OPTIONS		
SAE SHAFT	DESCRIPTION	LENGTH "X"
A KEYED	.625 DIA, 5/32 SQ KEY	1.25
A SPLINE	9 T, 16/32 DP	1.25
A-B KEYED	.750 DIA, 3/16 SQ KEY	1.25
A-B SPLINE	11 T, 16/32 DP	1.49

PVD 8-24 DIMENSIONS REAR PORTS

