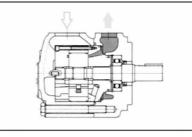
V Series Low Noise Vane Pumps

-High Performance Intravane Pumps For Industrial Applications

■ V Series Single Pumps







Model Code

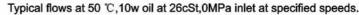
(F3-)	**V	**	А	(F)	-*	•	22	*	
Prefix	Series	▲ Code	Port Connections	Mounting	Shafts	Outlet Positions	Design	Rotation	
Omit-Using antiwear oil	20V	2,3,4,5,6,7,8, 9,10,11,12,14	Omit-		1-Str.Key 151-Spline	(Viewed from cover		(Viewed from shaft end of	
water glycol fluid	25V	10,12,14,15, 17,19,21	17,19,21 A-SAE mo 21,25,30,32, 4-bolt flange F- 35,38 Four Four	Flange mounting	1-Str.Key	end of pump) A-Opposite inlet port B-90° CCW from inlet C-In line with inlet D-90° CW from inlet	22	pump) L-Left hand for	
F3-phosphate ester fluid	35V	21,25,30,32, 35,38		Foot	86-HD Str. Key			counterclock- wise	
esternula	451/	42,45,50,57, 60,66,75		mounting	11-Spline			R-Right hand for clockwise	

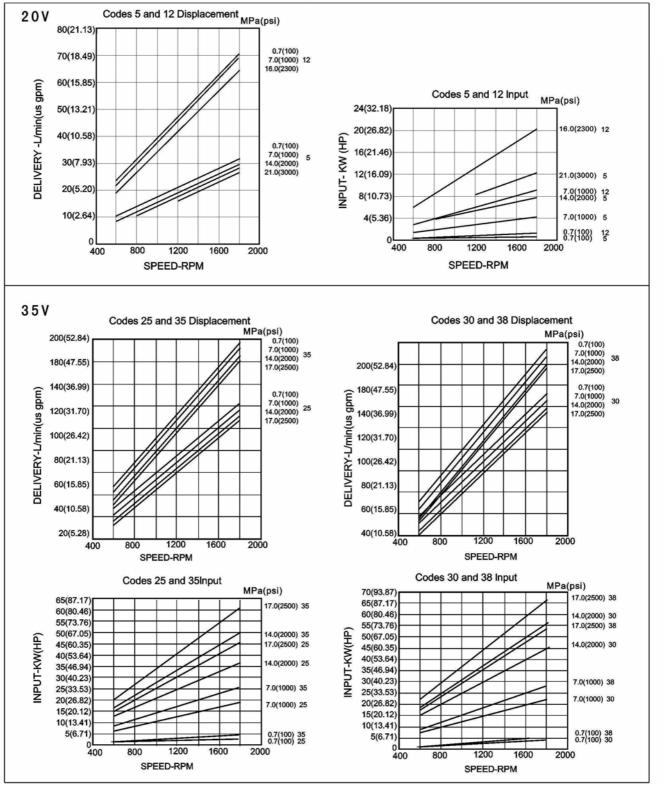
Specification

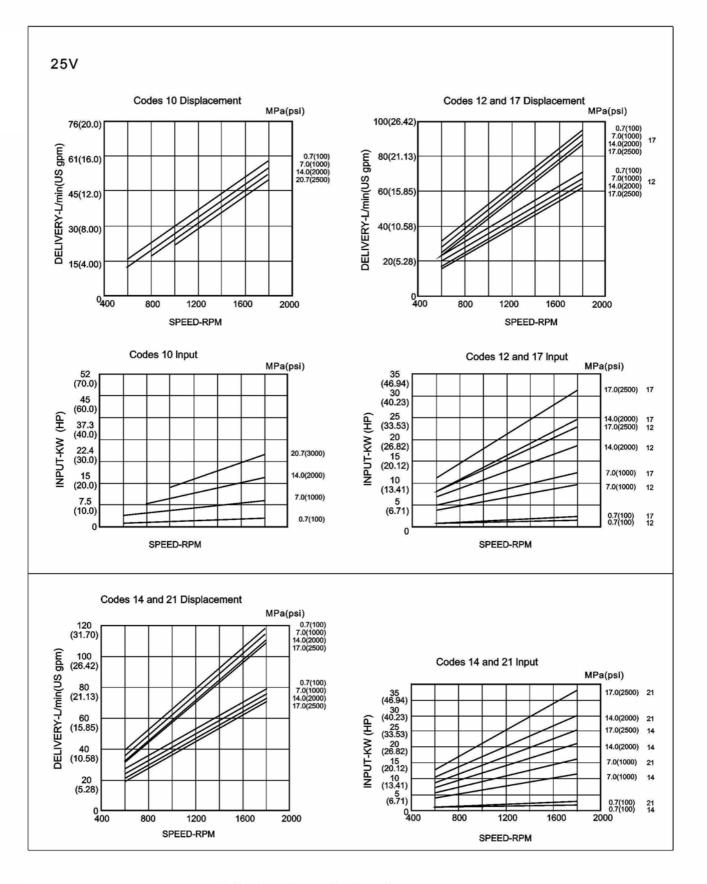
Lated capacity(USgpm)at1200 rpm,0.69MPa(100 psi)

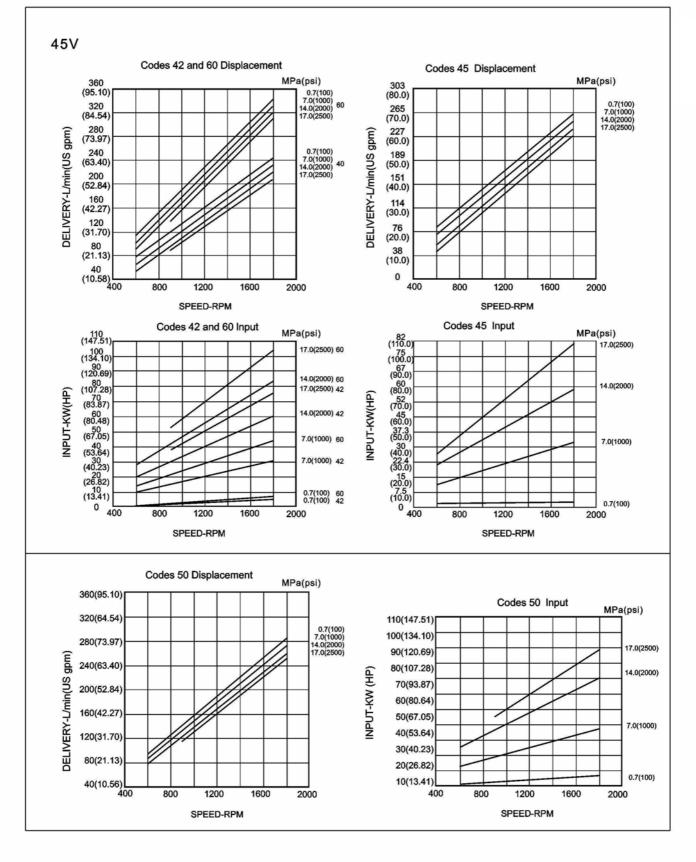
Model C	Code	Geometric Displacement mL/r	Using anti-wear oil or phosphate ester fluid		Using water giycol fluid		Using water-in-oil emulsions		Min. Speed
	Code		Max.pressure MPa	Max.Speed r/min	Max.pressure MPa	Max.Speed r/min	Max.pressure MPa	Max.Speed r/min	r/min
20V	2	7.5		1800	13.8	1500	6.9	1200	600
	3	10	13.8						
	4	13							
	5	17			15.9				
	6	19]						
	7	23	20.7						
	8	27							
	9	30							
	10	32.5							
	11	36							
	12	40	15.9						
	14	45	13.8		13.8				
	10	32.5	17.2	1800	15.9	1500	6.9	1200	600
	12	40							
	14	43							
25V	15	45							
	17	55							
	19	59							
	21	67							
	21	67	17.2	1800	15.9	1500	6.9	1200	600
	25	81							
35V	30	97							
	32	100							
	35	112							
	38	121							
45V	42	138							
	45	142]						
	50	162	17.2	1800	15.9	1500	6.9	1200	600
	57	183							
	60	193							
	66	212]						
	75	237	13.8	1	13.8	1			

Performance Characteristics

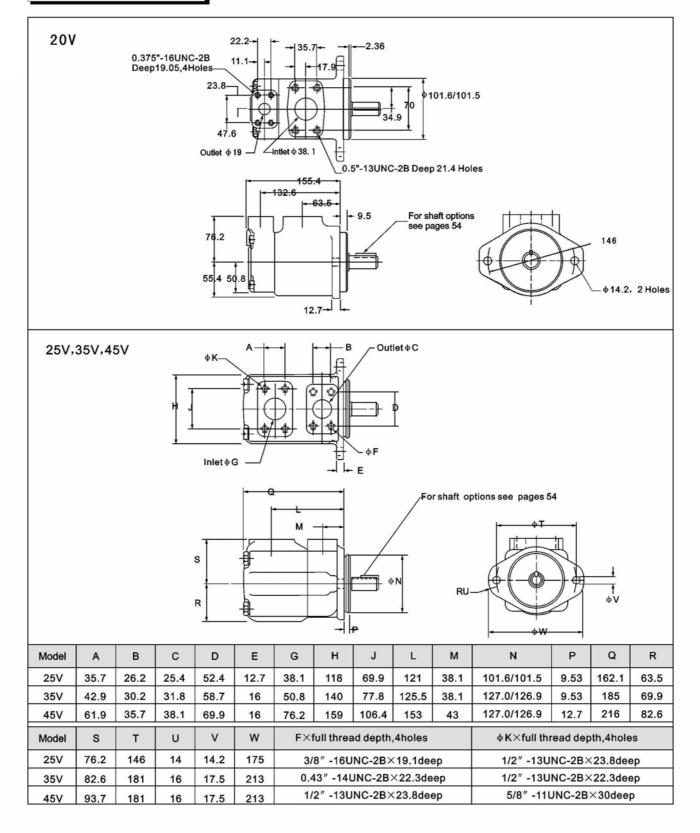






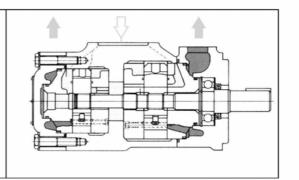


Installation dimensions



V Series Double Pumps







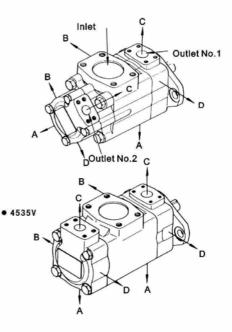
Model Code

(F3-)	****V	**	А	**	(F)	-**	*	22	*
Prefix	Series	▲ Code shaft End Pump	Port Connections	▲ Code Cover End Pump	Mounting	Shafts	Port Orientation	Design	Rotation
Omit-Using	2520V	10,12,14,15,17, 19,21		2,3,4,5,6,7,8,9, 10,11,12,14					
antiwear oil water glycol	3520V	21,25,30,32, 35,38		2,3,4,5,6,7,8,9, 10,11,12,14	Omit-	1:str.Key			(Viewed from shaft end pump)
fluid	3525V	21,25,30,32, 35,38	A-SAE 4-boit	10,12,14,15,17, 19,21	Flange mounting	86:HD Str.Key			L-Left hand for
E2 Dhaanhata	4520V	42,45,50,57, 60,66,75	flange	2,3,4,5,6,7,8,9, 10,11,12,14	F		See below	22	counterclockwise
F3-Phosphate ester fluid	4525V	42,45,50,57, 60,66,75		10,12,14,15,17, 19,21	Foot mounting	11:spline			R-Right hand for clockwise
	4535V	42,45,50,57, 60,66,75		21,25,30,32,35, 38					

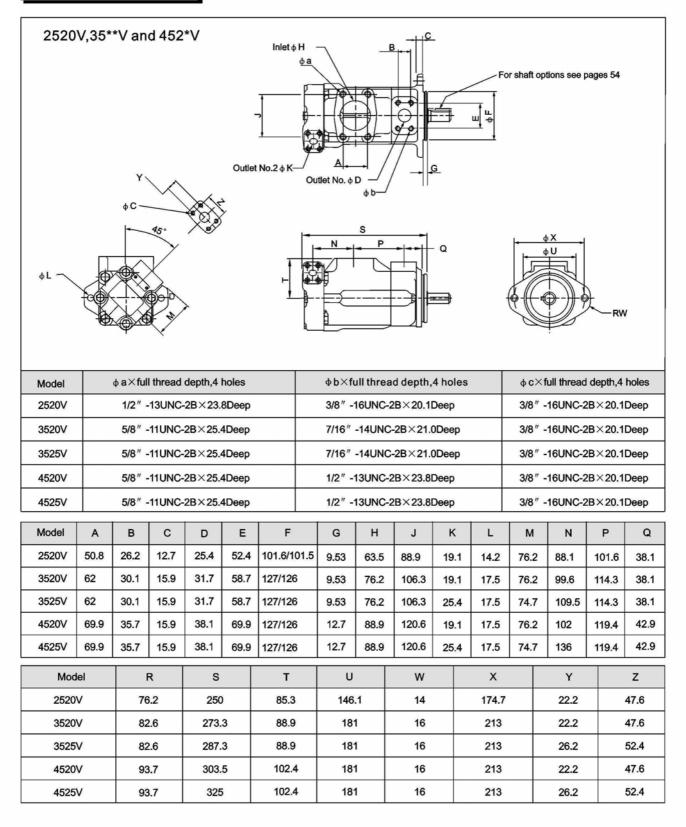
▲ Rated capacity(USgpm) at 1200 rpm,0.69 MPa (100psi).

Port Orientation Table (Viewed from cover end pump)

Port Orientatio	n	All series except 4535v	Series 4535v			
	AA	No,2outlet 135° CCW from inlet	No.2outlet opposite inlet			
With No.1 outlet	AB	No,2outlet 45° CCW from inlet	No.2outlet 90° CCW from inlet			
Opposite inlet:	AC	No,2outlet 45° CW from inlet	No.2outlet inline with inlet			
	AD	No,2outlet 135° CW from inlet	No.2outlet 90° CW from inlet			
	BA	No,2outlet 135° CCW from inlet	No.2outlet opposite inlet			
With No.1 outlet	BB	No,2outlet 45° CCW from inlet	No.2outlet 90° CCW from inlet			
90° CCW from	BC	No,2outlet 45° CW from inlet	No.2outlet inline with inlet			
inlet:	BD	No,2outlet 135° CW from inlet	No.2outlet 90° CW from inlet			
	CA	No,2outlet 135° CCW from inlet	No.2outlet opposite inlet			
With No.1outlet	CB	No,2outlet 45° CCW from inlet	No.2outlet 90° CCW from inlet			
inline with inlet:	CC	No,2outlet 45° CW from inlet	No.2outlet inline with inlet			
	CD	No,2outlet 135° CW from inlet	No.2outlet 90° CW from inlet			
	DA	No,2outlet 135° CCW from inlet	No.2outlet opposite inlet			
With No.1 outlet	DB	No,2outlet 45° CCW from inlet	No.2outlet 90° CCW from inlet			
90° CW inlet	DC	No,2outlet 45° CW from inlet	No.2outlet inline with inlet			
	DD	No,2outlet 135° CW from inlet	No.2outlet 90° CW from inlet			



Installation dimensions



Installation dimensions

