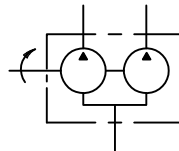


IFP HIGH PERFORMANCE INDUSTRIAL TANDEM INTRA-VANE PUMPS



- * Maximum 3000 PSI Operating Pressure
- * Twelve Vane Design for Quiet Operation
- * Hydraulically Balanced for Extended Life
- * Versatile
- * Compact



◆ Double Pump Ordering Specifications

UNITS SAE MOUNT --- IFP 3520 V 38 11 1 R
 MODEL 2520V/3520V/3525V/ 4520V/4525V/4535V
 INDUSTRIAL SERIES --- FRONT RING SIZE BACK RING SIZE
 ROTATION R - C.W. L - C.C.W.
 SHAFT 1 - KEYED 11 - SPLINE 86 - KEYED (HEAVY DUTY)

Values based on using anti-wear type petroleum oil 150 SUS at 100°F and 0 PSI inlet pressure.

Series	GPM Shaft End Pump	Displacement Cubic Inches/Rev.	Max. RPM	Min. PSI	Typical Delivery GPM at Max. Speed & Pressure	Typical Input HP at Max. Speed & Pressure	GPM Shaft End Pump	Displacement Cubic Inches/Rev.	Max. RPM	Min. PSI	Typical Delivery GPM at Max. Speed & Pressure	Typical Input HP at Max. Speed & Pressure	Weight in Pounds
2520V	12	2.47	1800	2500	16.4	30.75	5	1.10	1800	3000	7.2	17.00	45
	14	2.78	1800	2500	18.4	34.50	8	1.67	1800	3000	11.1	25.00	
	17	3.39	1800	2500	22.8	35.80	11	2.22	1800	3000	13.1	34.00	
	21	4.13	1800	2500	28.8	31.00	12	2.41	1800	2500	17.4	29.75	
3520V	21	4.13	1800	2500	28.8	31.00	5	1.10	1800	3000	7.2	17.00	75
	25	4.94	1800	2500	33.9	61.00	8	1.67	1800	3000	11.1	25.00	
	30	5.91	1800	2500	40.8	73.00	11	2.22	1800	3000	13.1	34.00	
	35	6.83	1800	2500	48	82.4	12	2.41	1800	2500	17.4	29.75	
3525V	21	4.13	1800	2500	28.8	31.00	5	1.10	1800	3000	7.2	17.00	76
	25	4.94	1800	2500	33.9	61.00	8	1.67	1800	3000	11.1	25.00	
	30	5.91	1800	2500	40.8	73.00	11	2.22	1800	3000	13.1	34.00	
	35	6.83	1800	2500	48	82.4	12	2.41	1800	2500	17.4	29.75	
4520V	42	8.41	1800	2500	55	101.00	5	1.10	1800	3000	7.2	17.00	94
	50	9.85	1800	2500	57	110.00	8	1.67	1800	3000	11.1	25.00	
	60	11.75	1800	2500	67	117.00	11	2.22	1800	3000	13.1	34.00	
	12	2.41	1800	2500	17.4	29.75	14	2.78	1800	2500	18.4	34.50	
4525V	42	8.41	1800	2500	55	101.00	12	2.47	1800	2500	16.4	30.75	101
	50	9.85	1800	2500	57	110.00	14	2.78	1800	2500	18.4	34.50	
	60	11.75	1800	2500	67	117.00	17	3.39	1800	2500	22.8	35.80	
	21	4.13	1800	2500	28.8	31.00	21	4.13	1800	2500	27.5	45.60	
4535V	42	8.41	1800	2500	55	101.00	21	4.13	1800	2500	28.8	31.00	118
	50	9.85	1800	2500	57	110.00	25	4.94	1800	2500	33.9	61.00	
	60	11.75	1800	2500	67	117.00	30	5.19	1800	2500	40.8	73.00	
	35	6.83	1800	2500	48	82.4	35	6.83	1800	2500	48.0	82.40	
	38	7.37	1800	2500	51.2	88.30	38	7.37	1800	2500	51.2	88.30	

IFP offers a complete line of high performance (12 vane) Tandem intra-vane pumps for industrial applications. Units are available with a large selection of SAE mounts and shafts. The high pressure capability and multiple displacements, combined with the low flow pulsation and quiet operating characteristics of this 12-vane design, make them ideal for industrial applications. Factory tested cartridge kits are readily available providing efficient field serviceability, avoiding costly down time and increasing productivity. Units can operate on a large variety of fluids.

Contact the local representative with your requirements.

IFP HIGH PERFORMANCE INDUSTRIAL TANDEM INTRA-VANE PUMPS



Performance Data - Typical Flows at 120° F, 10 W oil (128SUS), 0 PSI inlet

Flow in Gallons Per Minute (GPM).

Pump Model	Displacement (in ³ /rev.)	R.P.M.	100 P.S.I. (INPUT H.P.)	1500 P.S.I. (INPUT H.P.)	2500 P.S.I. (INPUT H.P.)
** 20 V	5 (1.10)	1200	5.0 (0.4)	4.5 (5.0)	4.2 (6.0)
		1500	6.9 (1.0)	6.4 (7.0)	6.0 (8.0)
		1800	8.5 (1.5)	7.7 (8.5)	7.5 (12.0)
	8 (1.67)	1200	8.0 (1.0)	7.4 (8.0)	7.1 (14.0)
		1500	10.5 (1.2)	9.5 (10.5)	9.1 (17.0)
		1800	13.7 (1.7)	11.9 (12.0)	11.2 (20.5)
	11 (2.22)	1200	11.0 (1.2)	10.2 (11.0)	9.9 (16.0)
		1500	14.2 (1.5)	13.5 (14.5)	12.5 (23.0)
		1800	17.1 (2.8)	16.5 (18.0)	14.6 (28.5)
	12 (2.47)	1200	12.0 (1.3)	11.6 (12.5)	11.2 (19.0)
		1500	15.0 (1.5)	14.8 (15.5)	14.0 (25.0)
		1800	18.6 (3.0)	17.8 (19.0)	16.9 (30.0)
	14 (2.78)	1200	14.0 (1.5)	12.2 (13.5)	11.2 (23.0)
		1500	17.5 (3.0)	16.1 (17.0)	14.5 (29.0)
		1800	21.0 (3.5)	18.4 (20.0)	18.0 (34.0)

25 V ** 25 V	12 (2.47)	1200	12.0 (1.0)	10.8 (12.0)	10.2 (21.0)
		1500	15.5 (1.5)	13.8 (14.5)	13.5 (25.0)
		1800	18.0 (2.5)	16.4 (17.0)	16.4 (30.0)
	14 (2.78)	1200	14.0 (2.0)	12.4 (13.5)	11.5 (23.0)
		1500	17.5 (2.0)	16.8 (17.0)	14.8 (29.0)
		1800	21.0 (3.0)	18.6 (20.0)	18.4 (34.5)
	17 (3.39)	1200	17.0 (2.0)	15.5 (16.5)	15.0 (28.0)
		1500	21.0 (2.0)	20.0 (20.0)	18.3 (34.0)
		1800	25.5 (3.0)	23.2 (24.0)	22.8 (40.0)
	21 (4.13)	1200	21.0 (2.0)	19.5 (20.0)	18.5 (33.0)
		1500	26.0 (3.6)	24.0 (24.5)	23.5 (42.0)
		1800	31.5 (3.8)	29.2 (29.0)	28.0 (46.0)

35 V ** 35 V	21 (4.13)	1200	21.0 (2.0)	19.5 (20.0)	18.5 (33.0)
		1500	26.0 (3.6)	24.0 (24.5)	23.5 (42.0)
		1800	31.5 (3.8)	29.2 (29.0)	28.0 (46.0)
	25 (4.94)	1200	25.0 (2.5)	22.5 (23.0)	21.0 (41.0)
		1500	31.0 (3.0)	29.0 (30.0)	27.0 (50.0)
		1800	37.8 (4.0)	35.5 (36.0)	33.0 (61.0)
	30 (5.91)	1200	30.0 (4.0)	29.0 (28.5)	25.5 (49.0)
		1500	37.0 (5.0)	35.0 (35.5)	33.0 (61.0)
		1800	44.8 (6.0)	42.0 (43.0)	40.5 (73.0)
	35 (6.83)	1200	35.0 (4.0)	32.0 (33.0)	30.5 (54.0)
		1500	43.0 (5.0)	41.0 (42.5)	39.0 (68.0)
		1800	52.0 (6.5)	50.0 (51.5)	47.5 (82.0)
	38 (7.37)	1200	38.0 (4.5)	34.0 (35.5)	32.0 (58.0)
		1500	46.5 (6.0)	43.0 (44.0)	41.5 (73.0)
		1800	56.5 (7.0)	53.5 (55.0)	51.0 (88.0)

45 V ** 45 V	42 (8.41)	1200	42.0 (4.0)	36.0 (38.0)	33.0 (68.0)
		1500	53.0 (6.0)	48.0 (49.0)	44.0 (79.0)
		1800	64.0 (7.0)	59.0 (60.0)	55.0 (101.0)
	50 (9.85)	1200	50.0 (4.0)	45.0 (46.0)	42.5 (75.0)
		1500	62.0 (8.0)	57.5 (59.0)	55.0 (97.0)
		1800	74.0 (8.0)	69.0 (71.0)	67.0 (117.0)
	60 (11.75)	1200	60.0 (6.0)	55.0 (57.0)	52.0 (93.0)
		1500	75.0 (7.0)	69.0 (72.0)	66.0 (116.0)
		1800	91.0 (9.0)	86.0 (88.0)	82.0 (139.0)