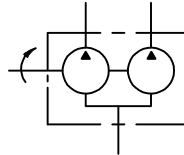


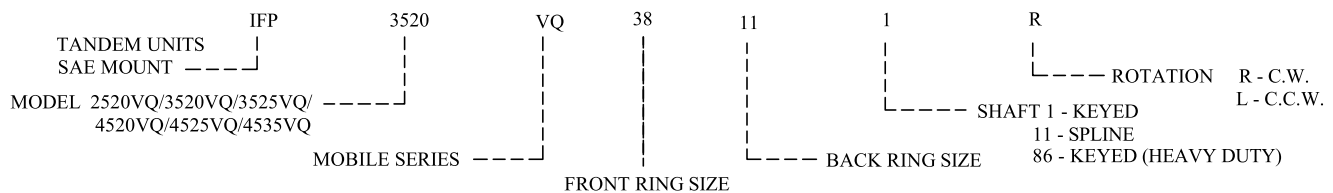
IFP HIGH PERFORMANCE MOBILE TANDEM INTRA-VANE PUMPS



- * Maximum 3000 PSI Operating Pressure
- * High Operating Speeds
- * Pressure Balanced
- * Brass flex plates
- * Versatile
- * Compact
- * Contaminant Tolerant



◆ Double Pump Ordering Specifications



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
2520VQ	12	2.45	2700	3000	23.0	55.0	5	1.10	2700	3000	11.0	24.0	45
	14	2.76	2700	3000	27.0	62.5	8	1.67	2700	3000	17.0	35.0	
	17	3.37	2500	3000	31.0	69.5	11	2.22	2700	3000	23.0	47.5	
	19	3.72	2500	3000	34.0	76.0	12	2.41	2700	2300	25.5	38.0	
	21	4.12	2500	3000	38.0	83.0	14	2.80	2700	2000	30.0	39.0	
3520VQ	21	4.12	2500	3000	38.0	83.0	5	1.10	2500	3000	10.0	22.0	75
	25	4.98	2500	3000	45.0	101.0	8	1.67	2500	3000	16.0	32.5	
	30	5.96	2500	3000	55.0	117.5	11	2.22	2500	3000	21.0	44.0	
	35	6.88	2400	3000	60.0	132.0	12	2.41	2500	2300	23.5	35.0	
	38	7.42	2400	3000	65.0	140.0	14	2.80	2500	2000	27.5	36.0	
3525VQ	21	4.12	2500	3000	38.0	83.0	12	2.45	2500	3000	21.0	51.0	76
	25	4.98	2500	3000	45.0	101.0	14	2.76	2500	3000	24.0	58.0	
	30	5.96	2500	3000	55.0	117.5	17	3.37	2500	3000	31.0	69.0	
	35	6.88	2400	3000	60.0	132.0	21	4.12	2500	3000	38.0	83.0	
	38	7.42	2400	3000	65.0	140.0							
4520VQ	42	8.46	2200	2500	66.5	122.5	5	1.10	2200	3000	8.50	19.5	94
	47	9.54	2200	2500	71.0	131.0	8	1.67	2200	3000	13.5	28.5	
	50	9.90	2200	2500	79.0	141.0	11	2.22	2200	3000	18.0	38.5	
	57	11.20	2200	2500	92.0	160.0	12	2.41	2200	2300	20.5	31.0	
	60	11.80	2200	2500	96.0	170.0	14	2.80	2200	2000	24.0	32.0	
4525VQ	42	8.46	2200	2500	66.5	122.5	12	2.45	2200	3000	18.0	44.0	101
	47	9.54	2200	2500	71.0	131.0	14	2.76	2200	3000	21.0	51.0	
	50	9.90	2200	2500	79.0	141.0	17	3.37	2200	3000	26.5	61.0	
	57	11.20	2200	2500	92.0	160.0	21	4.12	2200	3000	33.0	73.0	
	60	11.80	2200	2500	96.0	170.0							
4535VQ	42	8.41	2200	2500	66.5	122.5	21	4.12	2200	3000	33.0	73.0	118
	47	9.54	2200	2500	71.0	131.0	25	4.98	2200	3000	38.5	89.0	
	50	9.85	2200	2500	79.0	141.0	30	5.96	2200	3000	47.0	104	
	57	11.20	2200	2500	92.0	160.0	35	6.88	2200	3000	55.0	120	
	60	11.75	2200	2500	96.0	170.0	38	7.42	2200	3000	59.0	130	

IFP offers a complete line of high performance double intra-vane pumps for mobile equipment. A large number of SAE mounts, shafts, and displacements, along with their high pressure and speed capabilities, provide the combination best suited for mobile applications. The cartridge assemblies are designed with two flex plates in hydrostatic balance which seal against the rotor to provide optimum running clearances for minimum internal leakage and friction. The bronze face of the flex plates provides excellent wear and cold-start characteristics. The availability of our factory tested cartridge offers fast and efficient field serviceability, and the replacement pump cartridge reduces down time to increase productivity. Units can operate on a large variety of fluids.

Contact the local representative with your requirements.

IFP HIGH PERFORMANCE MOBILE 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.)	3000 P.S.I. (INPUT H.P.)	
** 20 VQ	5 (1.10)	1200	5.0 (0.4)	4.3 (5.0)	4.0 (10.0)	
		1800	7.5 (1.5)	7.0 (8.5)	7.0 (16.5)	
		2400	10.0 (2.0)	10.2 (12.0)	9.5 (22.0)	
	8 (1.67)	1200	8.0 (1.0)	7.0 (8.0)	6.5 (16.5)	
		1800	12.0 (1.7)	11.5 (12.0)	10.5 (23.0)	
		2400	16.0 (2.8)	16.0 (17.0)	14.9 (32.0)	
	11 (2.22)	1200	11.0 (1.2)	9.8 (11.0)	8.5 (21.5)	
		1800	16.5 (2.8)	15.4 (18.0)	14.2 (31.0)	
		2400	22.0 (3.0)	21.0 (22.0)	20.0 (42.0)	
	12 (2.41)	1200	12.0 (1.5)	11.0 (12.5)	9.8 (22.0)	MAX. PSI 2300
		1800	18.0 (3.0)	17.2 (19.0)	16.0 (34.0)	
		2400	24.0 (3.0)	23.4 (23.5)	22.2 (45.0)	
	14 (2.80)	1200	14.0 (2.0)	12.9 (13.5)	12.0 (27.5)	MAX. PSI 2200
		1800	21.0 (3.0)	18.5 (20.0)	19.0 (39.5)	
		2400	28.0 (3.5)	27.0 (27.0)	26.4 (52.5)	
25 VQ ** 25 VQ	12 (2.47)	1200	12.0 (1.0)	9.5 (12.0)	7.5 (24.0)	
		1800	18.0 (2.5)	16.0 (17.0)	13.5 (35.0)	
		2400	24.0 (3.0)	22.5 (24.0)	20.0 (46.0)	
	14 (2.77)	1200	14.0 (2.0)	11.5 (13.5)	9.5 (26.5)	
		1800	21.0 (3.0)	18.0 (20.0)	16.0 (39.0)	
		2400	28.0 (3.5)	25.0 (25.0)	23.0 (52.0)	
	17 (3.37)	1200	17.0 (2.0)	14.0 (16.5)	12.0 (32.0)	
		1800	25.5 (3.0)	22.0 (24.0)	20.0 (47.0)	
		2400	34.0 (3.5)	31.0 (32.0)	29.0 (62.0)	
	19 (3.72)	1200	19.0 (3.0)	17.0 (20.0)	15.0 (39.0)	
		1800	28.5 (3.5)	25.5 (28.0)	24.0 (58.0)	
		2400	38.0 (4.5)	35.0 (36.0)	32.0 (70.0)	
	21 (4.12)	1200	21.0 (2.0)	17.5 (20.0)	15.5 (39.0)	
		1800	31.5 (3.8)	28.0 (29.0)	25.5 (59.0)	
		2400	42.0 (4.5)	39.0 (39.0)	36.5 (76.0)	
30 VQ ** 30 VQ	24 (4.70)	1200	24.0 (2.2)	21.0 (22.0)	19.0 (46.0)	
		1800	36.0 (3.3)	33.0 (33.0)	31.5 (71.0)	
		2400	48.0 (4.4)	45.0 (47.0)	42.5 (95.0)	
	28 (5.50)	1200	28.0 (2.6)	26.0 (22.0)	23.5 (58.0)	
		1800	42.0 (5.0)	39.0 (33.0)	37.5 (77.0)	
		2400	56.0 (6.5)	52.5 (47.0)	49.5 (98.0)	
35 VQ ** 35 VQ	21 (4.12)	1200	21.0 (2.0)	17.5 (20.0)	15.5 (39.0)	
		1800	31.5 (3.8)	28.0 (29.0)	25.5 (59.0)	
		2400	42.0 (4.5)	39.0 (39.0)	36.5 (76.0)	
	25 (4.94)	1200	25.0 (2.5)	20.5 (23.0)	17.5 (46.0)	
		1800	37.0 (4.0)	33.5 (36.0)	30.0 (69.0)	
		2400	50.0 (4.5)	42.0 (46.5)	42.5 (92.0)	
	30 (5.96)	1200	30.0 (4.0)	25.0 (28.5)	25.5 (56.0)	
		1800	45.0 (5.0)	40.0 (43.0)	37.0 (82.0)	
		2400	60.0 (6.0)	55.0 (56.0)	52.5 (110.0)	
	35 (6.88)	1200	35.0 (4.0)	29.0 (33.0)	25.0 (67.0)	
		1800	52.5 (5.0)	46.0 (51.0)	42.0 (95.0)	
		2400	70.0 (5.5)	62.5 (64.0)	60.0 (125.0)	
	38 (7.42)	1200	38.0 (4.5)	32.0 (35.5)	29.0 (69.0)	
		1800	57.0 (5.5)	50.5 (52.0)	47.0 (102.0)	
		2400	76.5 (6.0)	68.0 (69.0)	65.0 (136.0)	
45 VQ ** 45 VQ	42 (8.46)	1200	42.0 (4.0)	34.5 (39.5)	30.0 (68.0)	
		1800	63.0 (60.0)	56.5 (58.0)	52.0 (104.0)	
		2400	77.0 (7.0)	70.5 (72.0)	66.5 (123.0)	
	47 (9.45)	1200	47.0 (4.0)	39.0 (22.0)	34.0 (46.0)	
		1800	70.0 (5.0)	64.0 (33.0)	60.5 (71.0)	
		2400	94.0 (9.0)	86.0 (47.0)	80.5 (95.0)	
	50 (9.90)	1200	50.0 (4.0)	42.0 (48.0)	38.5 (78.0)	
		1800	75.0 (6.0)	65.5 (70.0)	62.0 (116.0)	
		2400	91.5 (8.0)	81.5 (86.0)	79.0 (141.0)	
	57 (11.20)	1200	57.0 (5.0)	49.0 (22.0)	45.5 (92.0)	
		1800	85.5 (7.5)	76.5 (33.0)	71.5 (125.0)	
		2400	104.5 (8.0)	94.5 (47.0)	89.5 (160.0)	
	60 (11.80)	1200	60.0 (5.5)	51.0 (55.0)	47.0 (94.0)	
		1800	90.0 (7.0)	80.0 (82.0)	75.5 (138.0)	
		2400	110.0 (8.5)	99.0 (101.0)	96.0 (170.0)	