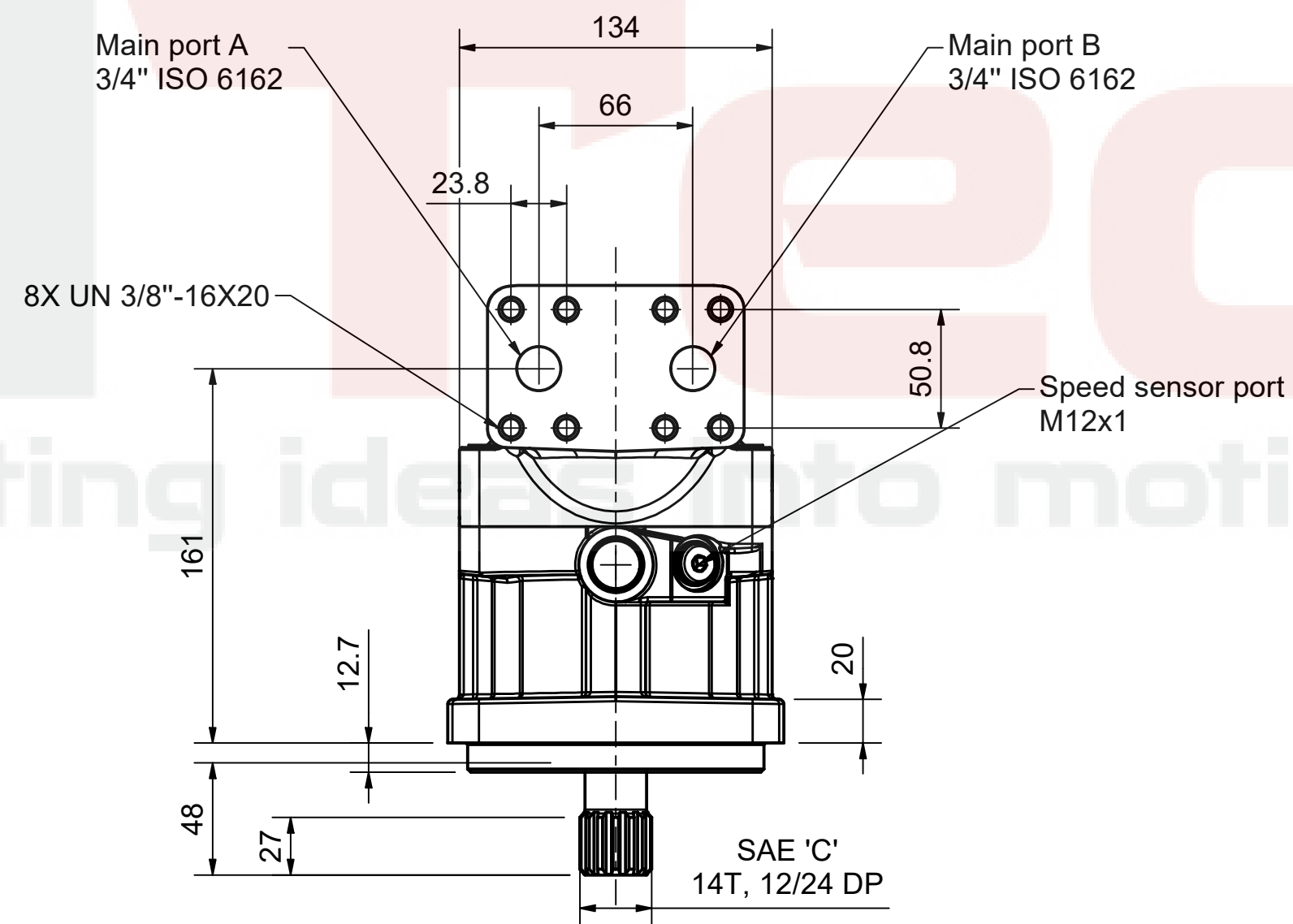
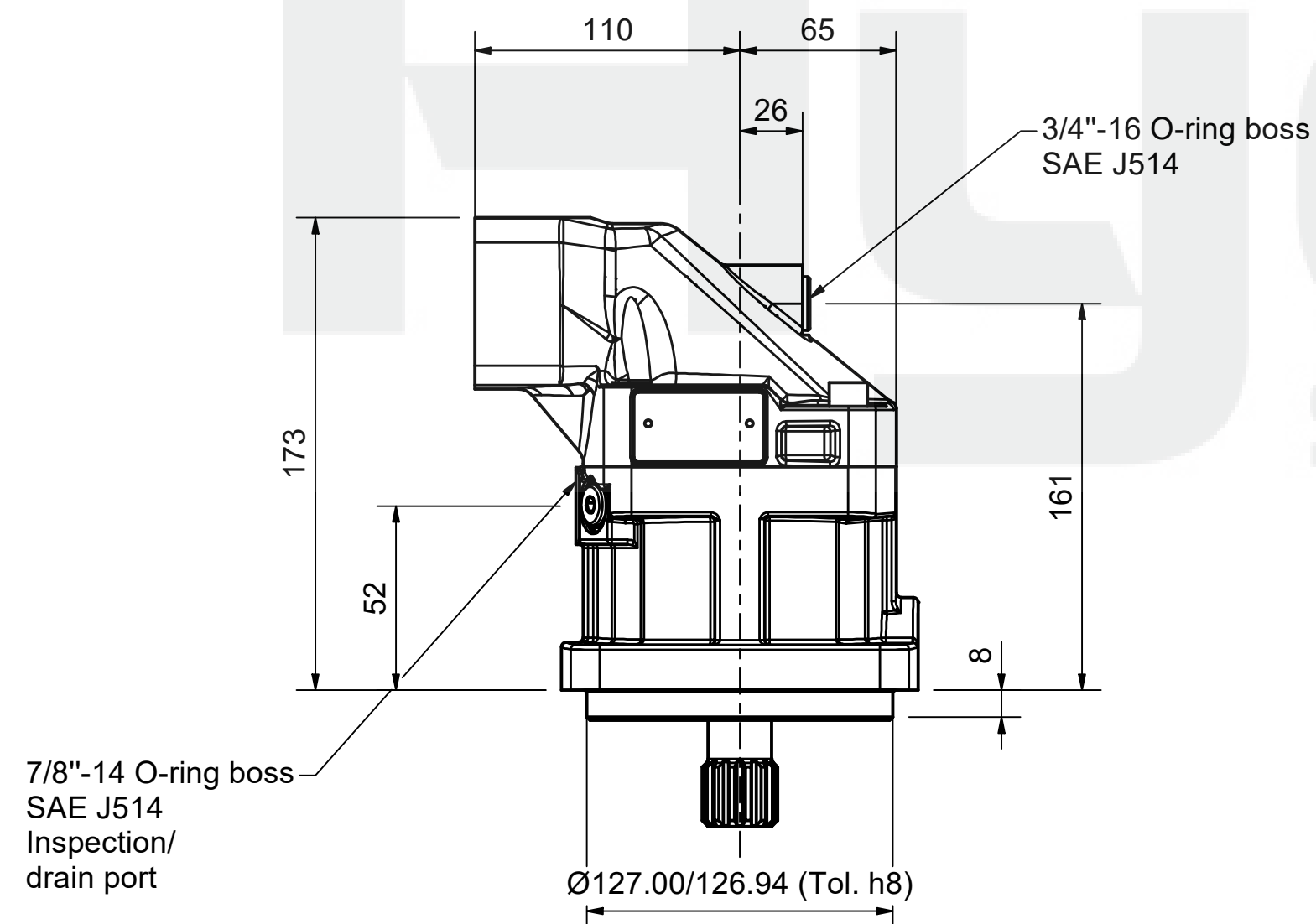
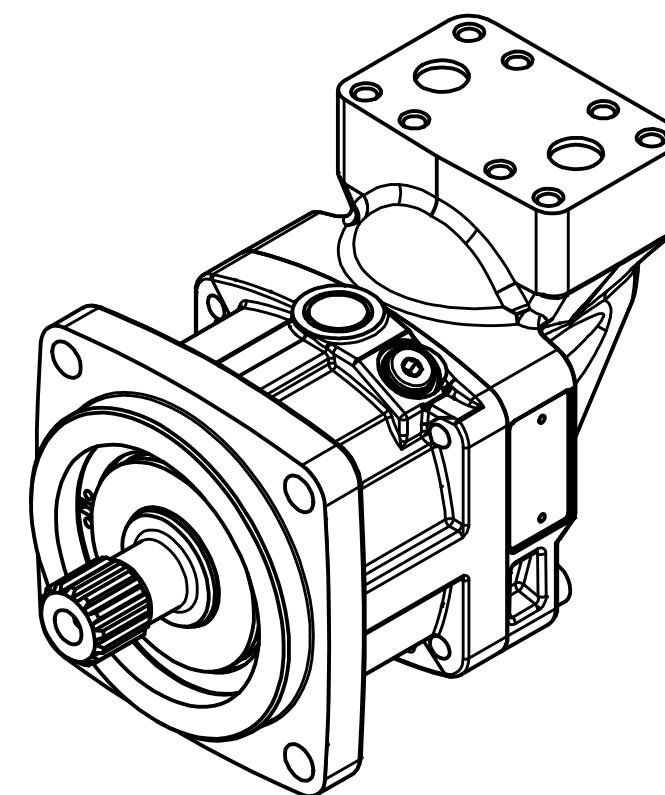
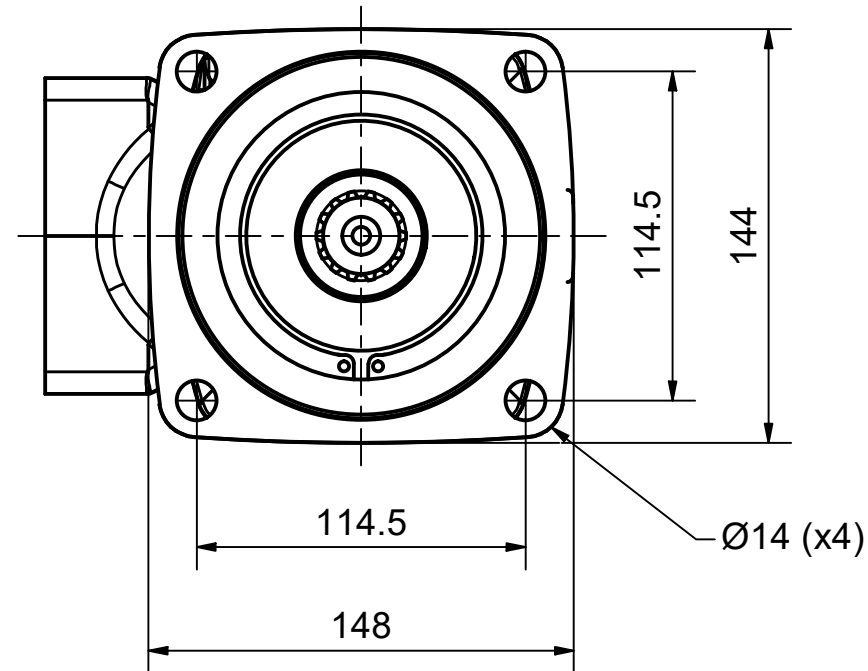




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Pump & Motor Division Europe

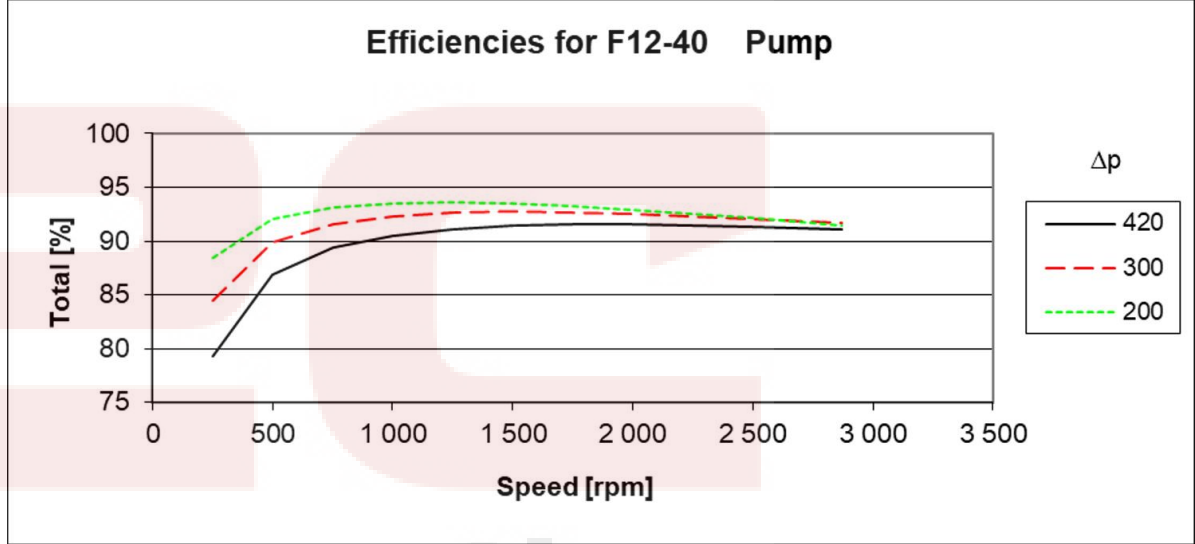
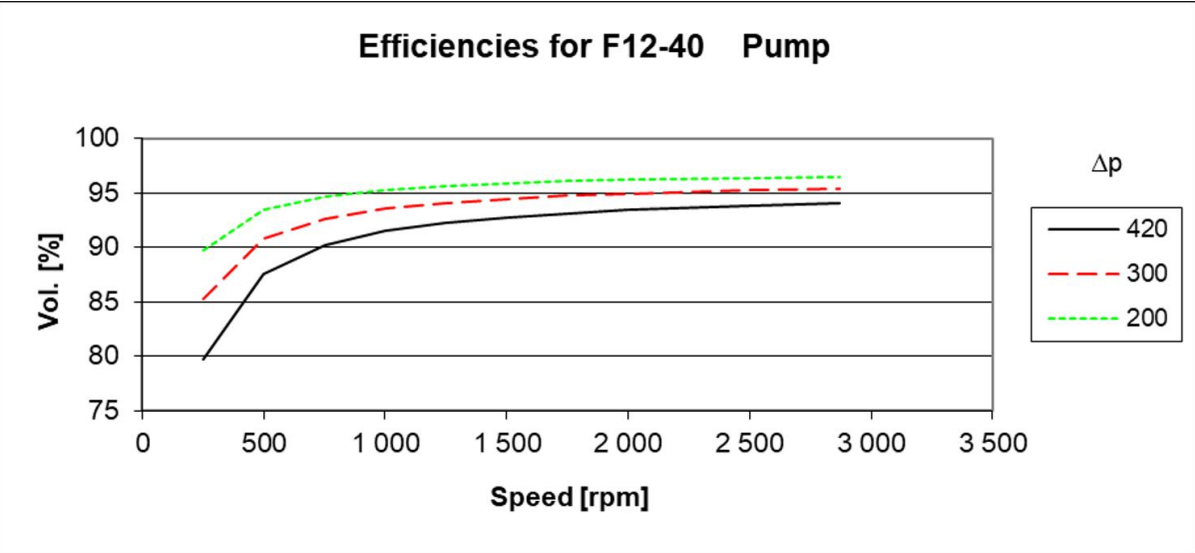
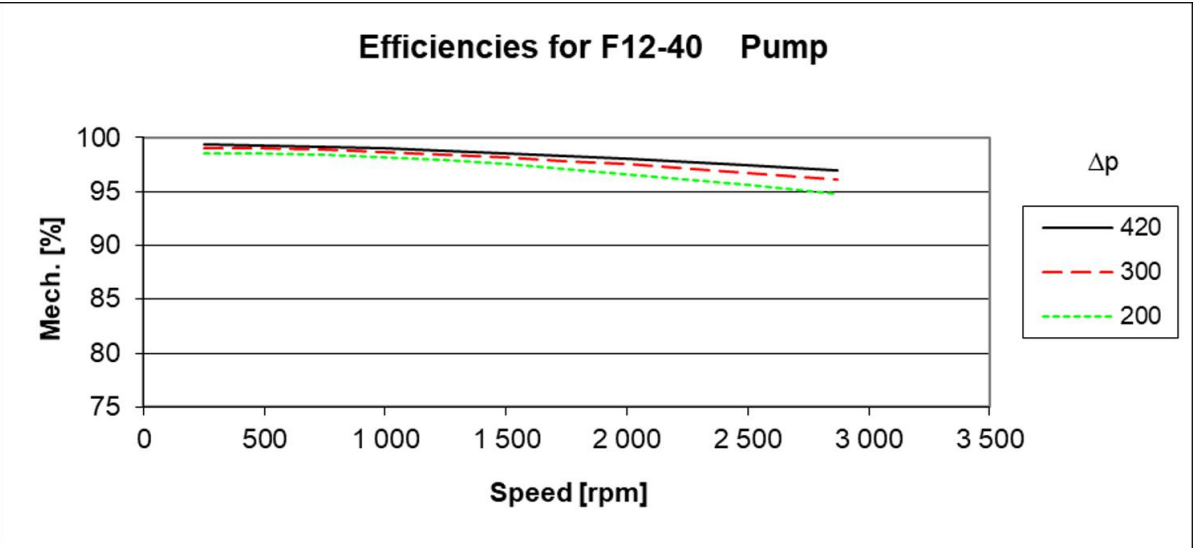


F11 Pump



F12 Pump

F12-40	Pump	
Displacement	40 cc/rev	
Max speed	2870 rpm	Intermittent
Max speed	2870 rpm	Continuously
Max pressure	480 bar	Intermittent
Max pressure	420 bar	Continuously
Max Torque	313.6 Nm	
Torque	0.635 Nm/bar	
Max Flow	112.7 Lpm	
Max Power	101.3 kW	



Rpm	250			500			750			1000			1250			1500			1750			2000			2500			2870		
Bar	l/min	Nm	kW	l/min	Nm	kW	l/min	Nm	kW	l/min	Nm	kW	l/min	Nm	kW	l/min	Nm	kW	l/min	Nm	kW	l/min	Nm	kW	l/min	Nm	kW	l/min	Nm	kW
50	9.6	33.9	0.9	19.5	33.8	1.8	29.3	33.8	2.7	39.1	33.9	3.6	49.0	34.2	4.6	58.8	34.5	5.5	68.6	35.0	6.6	78.4	35.5	7.6	98.1	36.7	9.8	112.7	37.8	11.6
100	9.4	65.6	1.8	19.2	65.5	3.6	29.0	65.6	5.3	38.8	65.7	7.1	48.6	66.0	8.9	58.4	66.4	10.8	68.2	66.9	12.6	77.9	67.5	14.5	97.5	68.8	18.5	112.0	69.9	21.6
150	9.2	97.3	2.8	18.9	97.2	5.4	28.7	97.3	8.0	38.4	97.6	10.7	48.2	97.9	13.3	57.9	98.3	16.0	67.7	98.8	18.8	77.4	99.4	21.6	96.9	100.8	27.3	111.4	102.0	31.7
200	9.0	128.9	3.8	18.7	129.0	7.2	28.4	129.1	10.7	38.1	129.4	14.3	47.8	129.8	17.8	57.5	130.2	21.4	67.2	130.8	25.0	76.9	131.4	28.7	96.4	132.8	36.2	110.7	134.0	41.9
250	8.7	160.6	4.8	18.4	160.7	9.2	28.1	160.9	13.5	37.8	161.2	17.9	47.4	161.6	22.4	57.1	162.1	26.8	66.8	162.7	31.3	76.4	163.4	35.9	95.8	164.9	45.2	110.1	166.1	52.2
300	8.5	192.3	5.9	18.2	192.4	11.1	27.8	192.7	16.4	37.4	193.0	21.7	47.0	193.5	27.0	56.7	194.0	32.4	66.3	194.7	37.8	75.9	195.4	43.2	95.2	196.9	54.3	109.5	198.2	62.6
350	8.3	224.0	7.1	17.9	224.2	13.2	27.5	224.5	19.3	37.1	224.9	25.5	46.7	225.4	31.7	56.3	226.0	38.0	65.8	226.6	44.3	75.4	227.3	50.6	94.6	228.9	63.5	108.8	230.2	73.2
400	8.1	255.7	8.3	17.6	255.9	15.3	27.2	256.2	22.3	36.7	256.7	29.4	46.3	257.2	36.5	55.8	257.9	43.6	65.4	258.6	50.9	74.9	259.3	58.1	94.0	261.0	72.8	108.2	262.3	83.9
480	7.7	306.3	10.4	17.2	306.7	18.7	26.7	307.1	27.2	36.2	307.6	35.7	45.7	308.2	44.3	55.1	308.9	52.9	64.6	309.7	61.6	74.1	310.5	70.4	93.1	312.2	88.0	107.2	313.6	101.3

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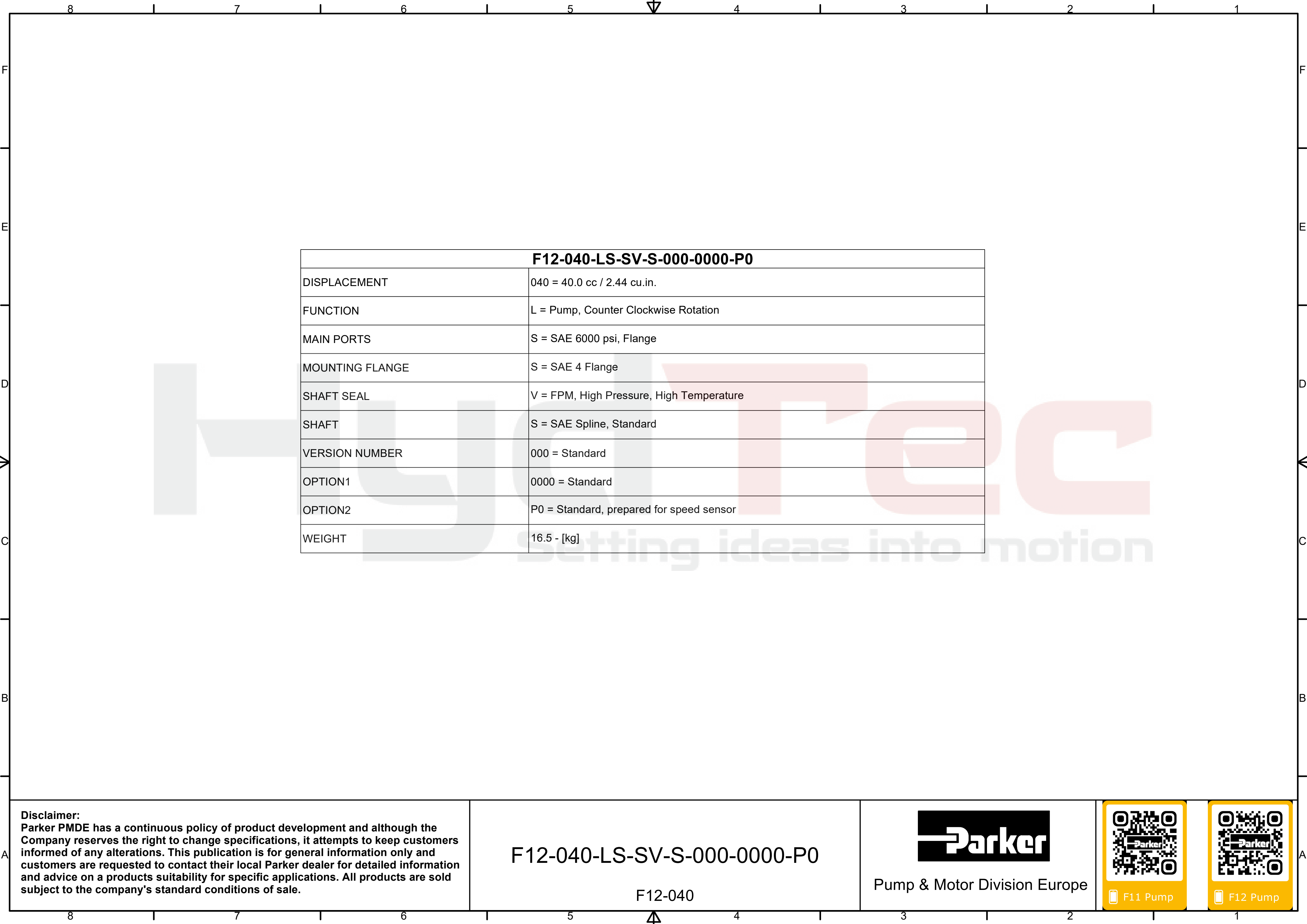
Pump & Motor Division Europe



F11 Pump



F12 Pump



F12-040-LS-SV-S-000-0000-P0	
DISPLACEMENT	040 = 40.0 cc / 2.44 cu.in.
FUNCTION	L = Pump, Counter Clockwise Rotation
MAIN PORTS	S = SAE 6000 psi, Flange
MOUNTING FLANGE	S = SAE 4 Flange
SHAFT SEAL	V = FPM, High Pressure, High Temperature
SHAFT	S = SAE Spline, Standard
VERSION NUMBER	000 = Standard
OPTION1	0000 = Standard
OPTION2	P0 = Standard, prepared for speed sensor
WEIGHT	16.5 - [kg]

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Pump & Motor Division Europe



F11 Pump



F12 Pump