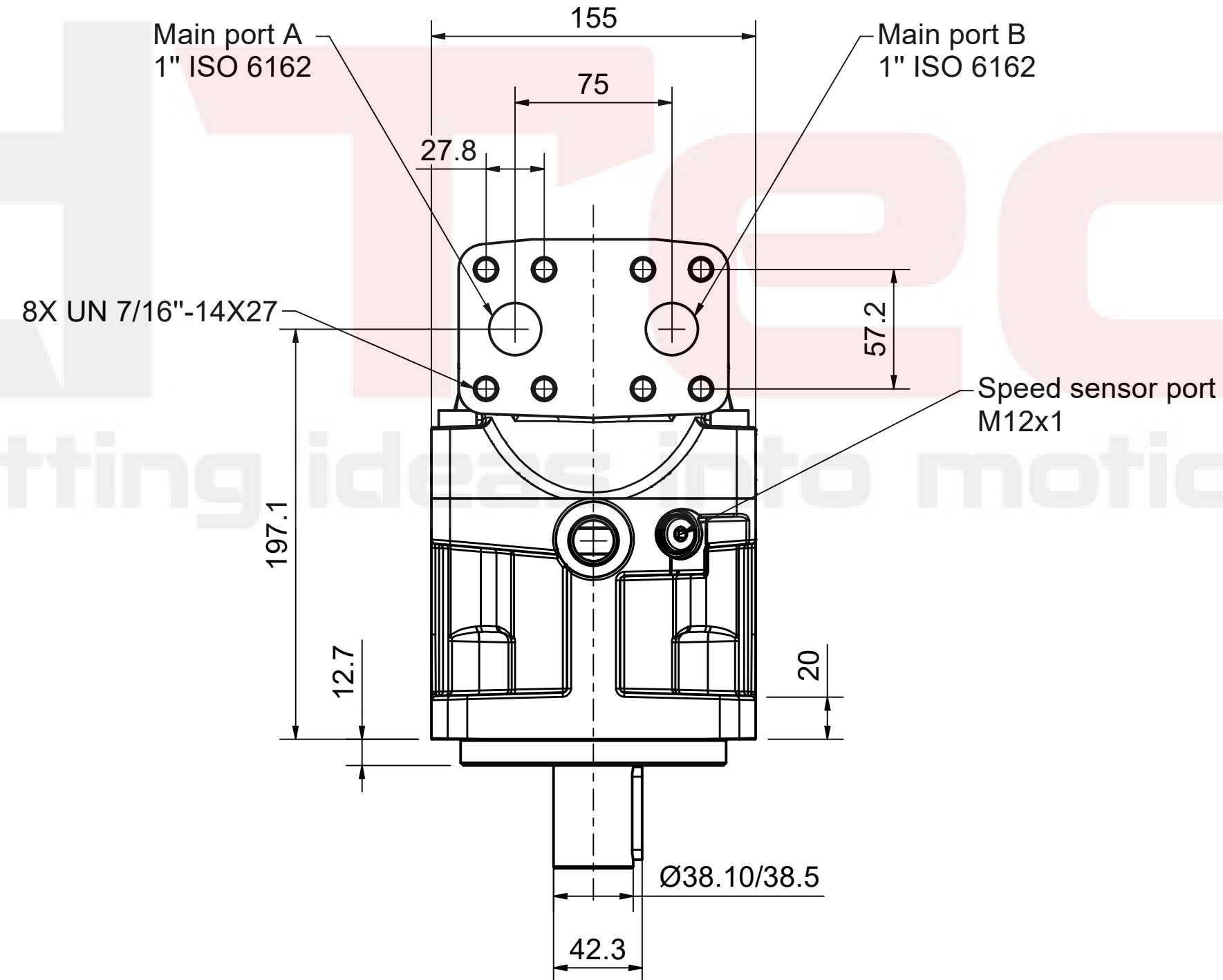
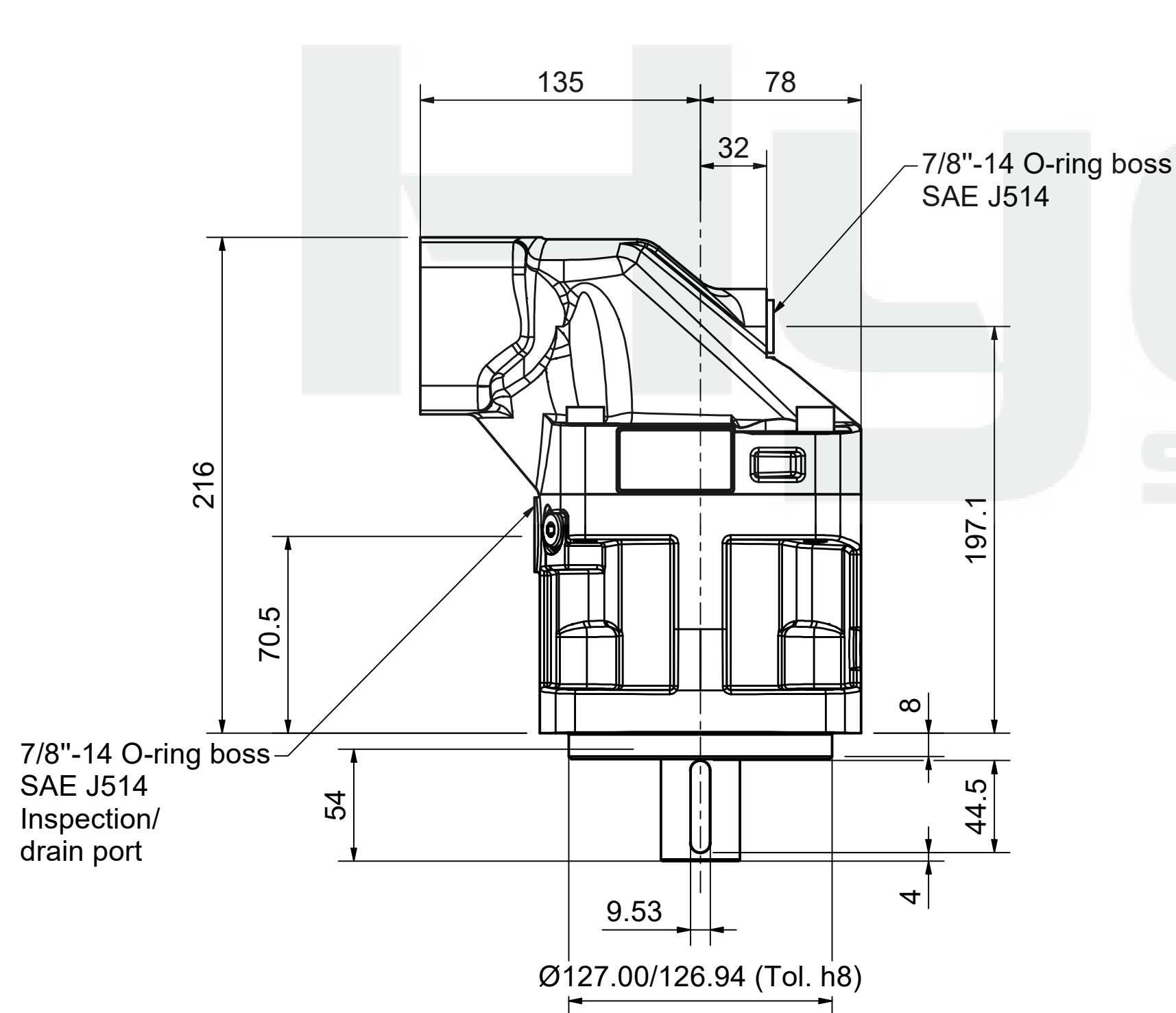
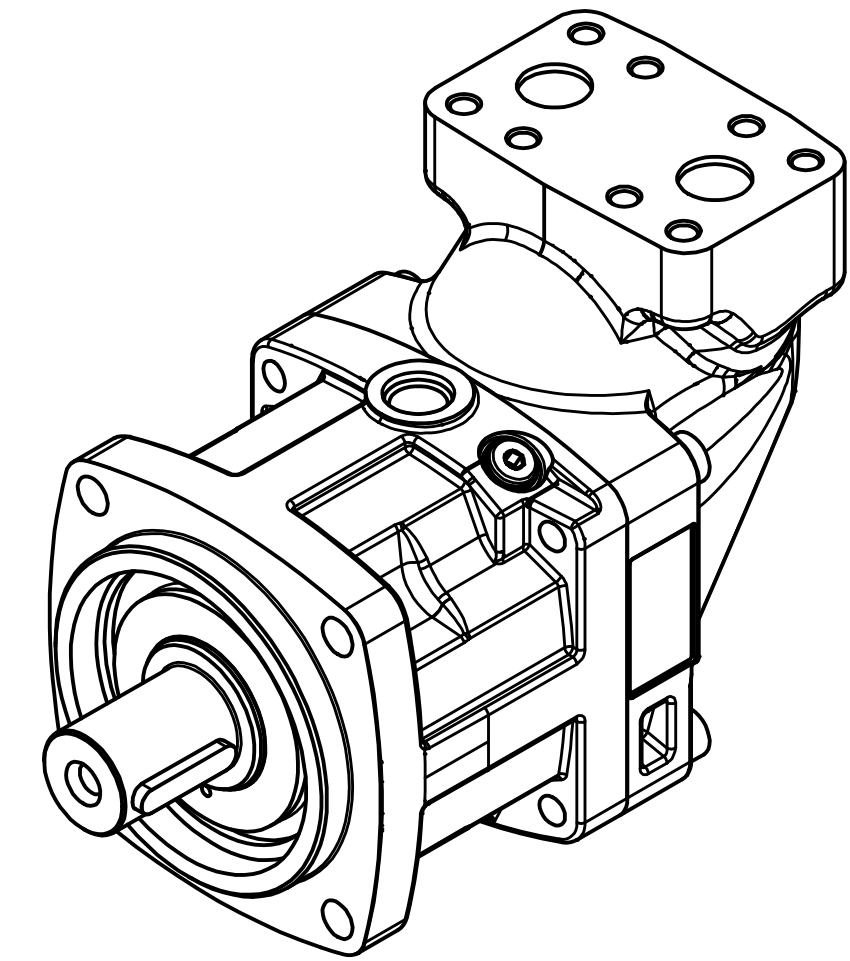
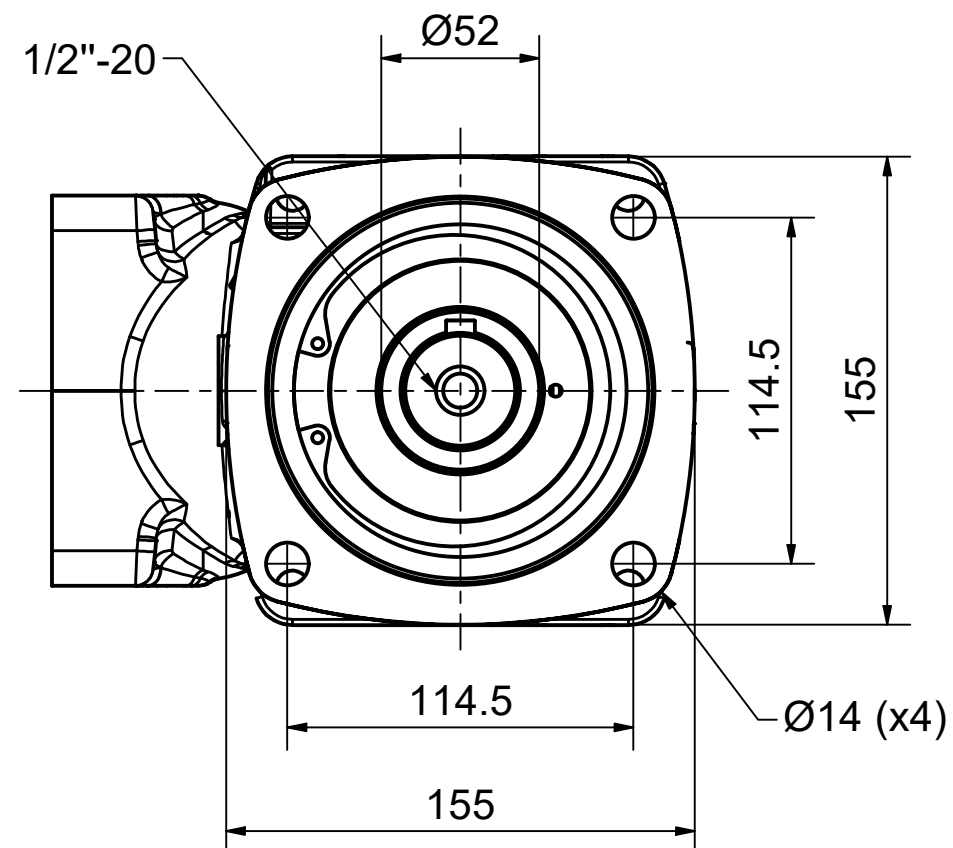




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F12-090-MS-SV-T-000-0000-PT

F12-090



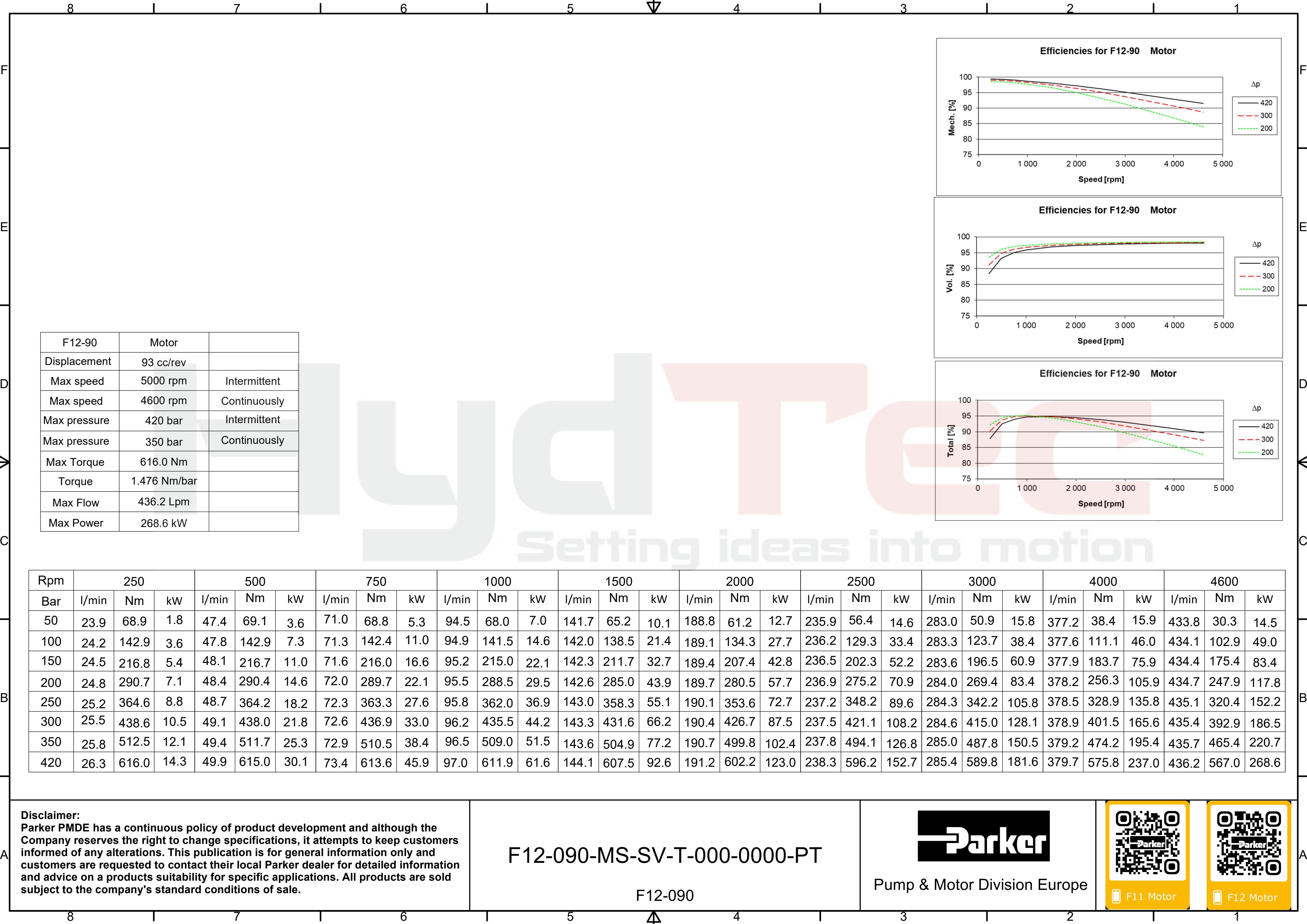
Pump & Motor Division Europe



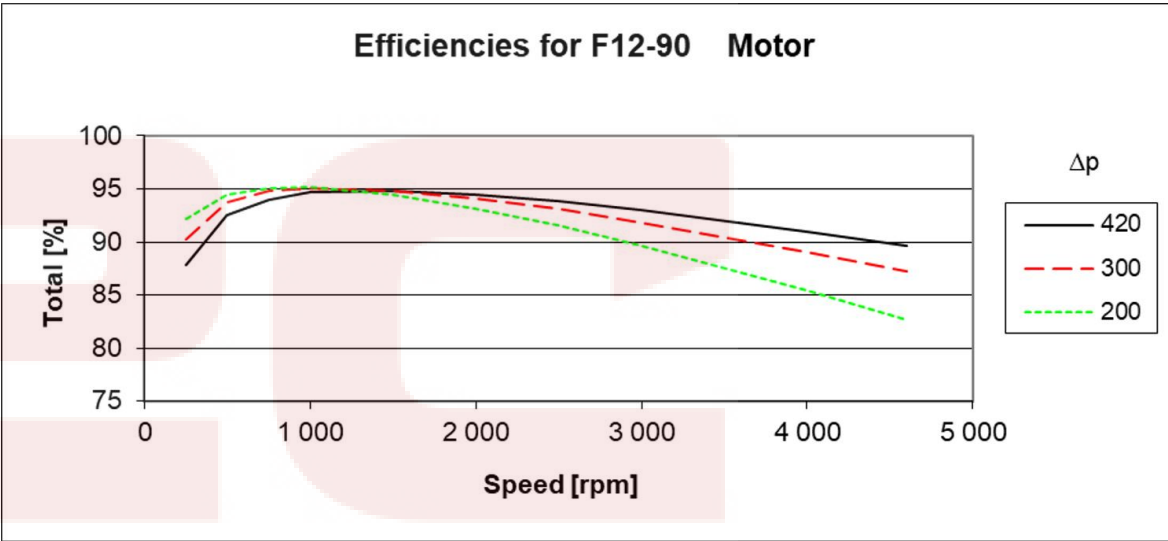
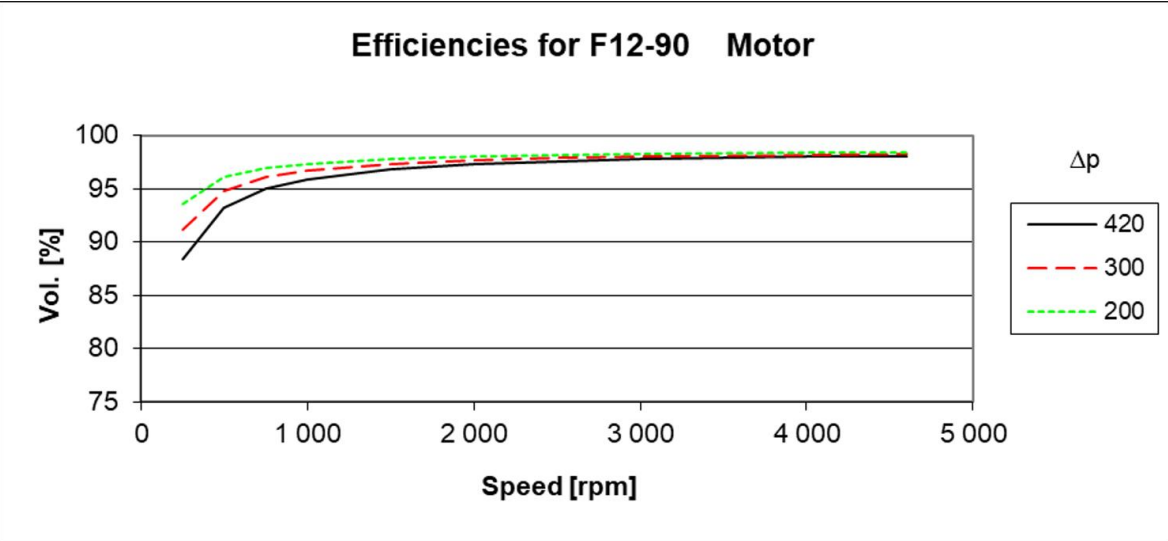
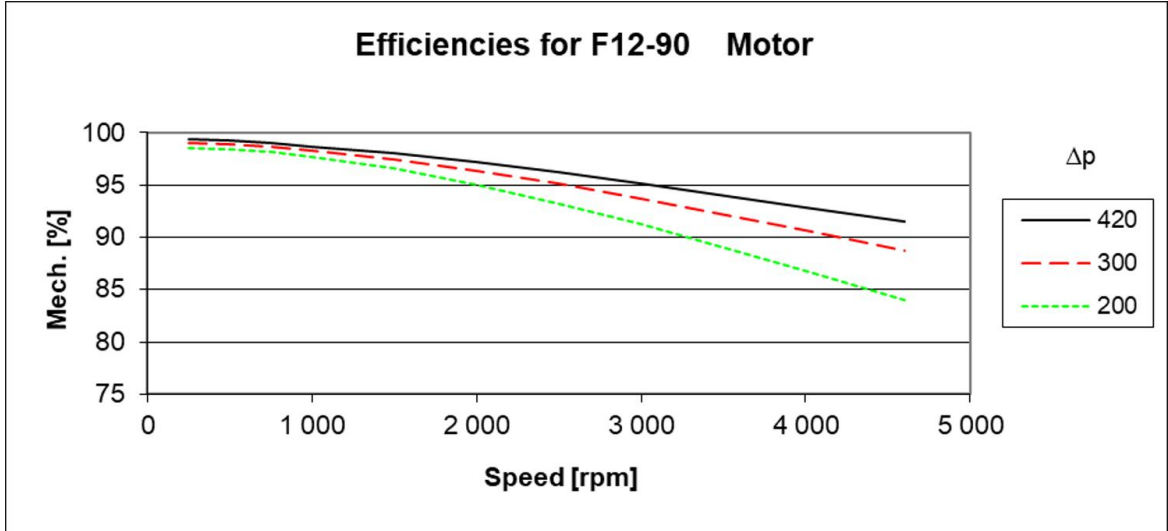
F11 Motor



F12 Motor



F12-90	Motor	
Displacement	93 cc/rev	
Max speed	5000 rpm	Intermittent
Max speed	4600 rpm	Continuously
Max pressure	420 bar	Intermittent
Max pressure	350 bar	Continuously
Max Torque	616.0 Nm	
Torque	1.476 Nm/bar	
Max Flow	436.2 Lpm	
Max Power	268.6 kW	



Rpm	250			500			750			1000			1500			2000			2500			3000			4000			4600		
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	23.9	68.9	1.8	47.4	69.1	3.6	71.0	68.8	5.3	94.5	68.0	7.0	141.7	65.2	10.1	188.8	61.2	12.7	235.9	56.4	14.6	283.0	50.9	15.8	377.2	38.4	15.9	433.8	30.3	14.5
100	24.2	142.9	3.6	47.8	142.9	7.3	71.3	142.4	11.0	94.9	141.5	14.6	142.0	138.5	21.4	189.1	134.3	27.7	236.2	129.3	33.4	283.3	123.7	38.4	377.6	111.1	46.0	434.1	102.9	49.0
150	24.5	216.8	5.4	48.1	216.7	11.0	71.6	216.0	16.6	95.2	215.0	22.1	142.3	211.7	32.7	189.4	207.4	42.8	236.5	202.3	52.2	283.6	196.5	60.9	377.9	183.7	75.9	434.4	175.4	83.4
200	24.8	290.7	7.1	48.4	290.4	14.6	72.0	289.7	22.1	95.5	288.5	29.5	142.6	285.0	43.9	189.7	280.5	57.7	236.9	275.2	70.9	284.0	269.4	83.4	378.2	256.3	105.9	434.7	247.9	117.8
250	25.2	364.6	8.8	48.7	364.2	18.2	72.3	363.3	27.6	95.8	362.0	36.9	143.0	358.3	55.1	190.1	353.6	72.7	237.2	348.2	89.6	284.3	342.2	105.8	378.5	328.9	135.8	435.1	320.4	152.2
300	25.5	438.6	10.5	49.1	438.0	21.8	72.6	436.9	33.0	96.2	435.5	44.2	143.3	431.6	66.2	190.4	426.7	87.5	237.5	421.1	108.2	284.6	415.0	128.1	378.9	401.5	165.6	435.4	392.9	186.5
350	25.8	512.5	12.1	49.4	511.7	25.3	72.9	510.5	38.4	96.5	509.0	51.5	143.6	504.9	77.2	190.7	499.8	102.4	237.8	494.1	126.8	285.0	487.8	150.5	379.2	474.2	195.4	435.7	465.4	220.7
420	26.3	616.0	14.3	49.9	615.0	30.1	73.4	613.6	45.9	97.0	611.9	61.6	144.1	607.5	92.6	191.2	602.2	123.0	238.3	596.2	152.7	285.4	589.8	181.6	379.7	575.8	237.0	436.2	567.0	268.6

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F12-090-MS-SV-T-000-0000-PT

F12-090



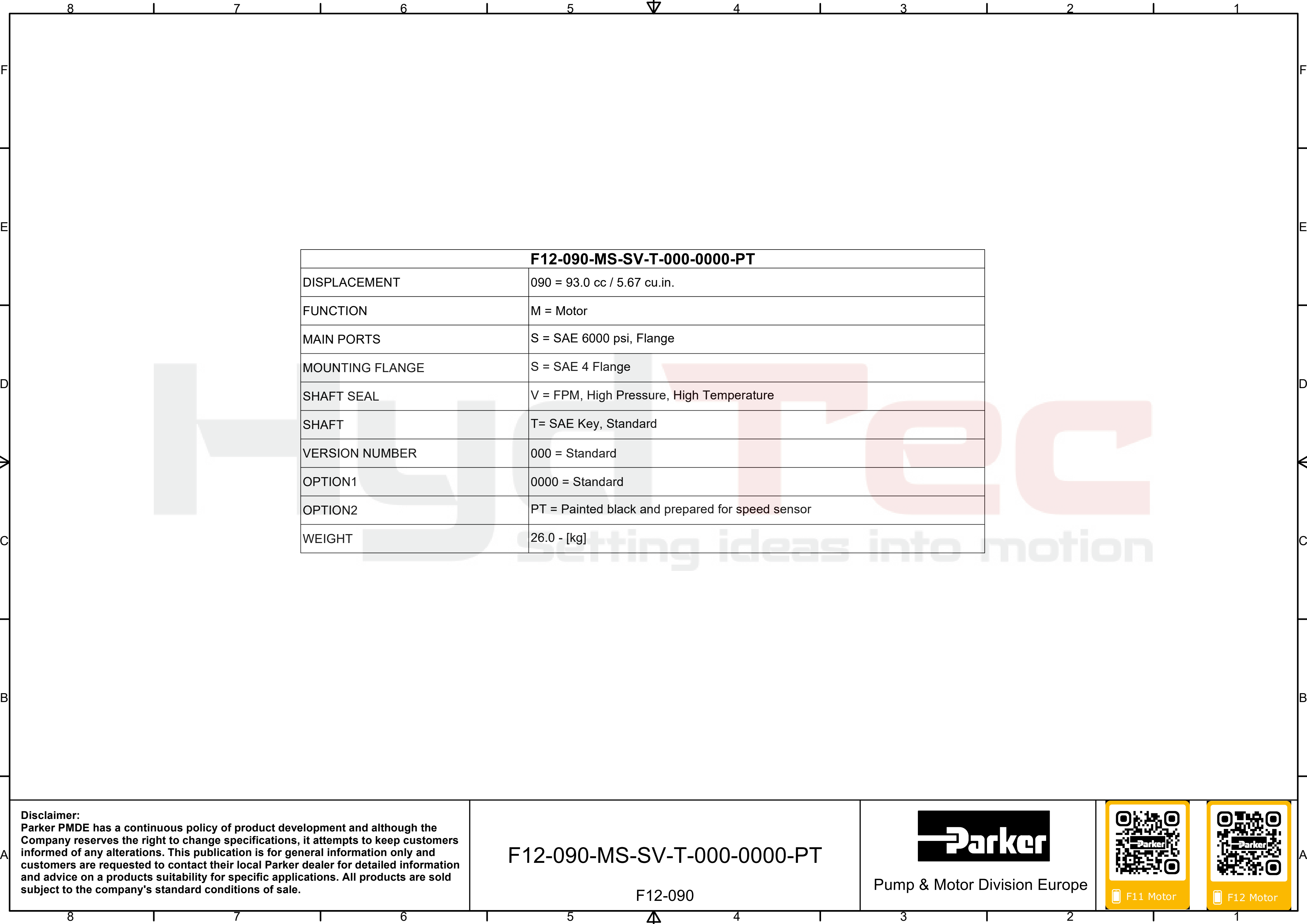
Pump & Motor Division Europe



F11 Motor



F12 Motor



F12-090-MS-SV-T-000-0000-PT	
DISPLACEMENT	090 = 93.0 cc / 5.67 cu.in.
FUNCTION	M = Motor
MAIN PORTS	S = SAE 6000 psi, Flange
MOUNTING FLANGE	S = SAE 4 Flange
SHAFT SEAL	V = FPM, High Pressure, High Temperature
SHAFT	T= SAE Key, Standard
VERSION NUMBER	000 = Standard
OPTION1	0000 = Standard
OPTION2	PT = Painted black and prepared for speed sensor
WEIGHT	26.0 - [kg]

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F12-090-MS-SV-T-000-0000-PT

F12-090



Pump & Motor Division Europe



F11 Motor



F12 Motor