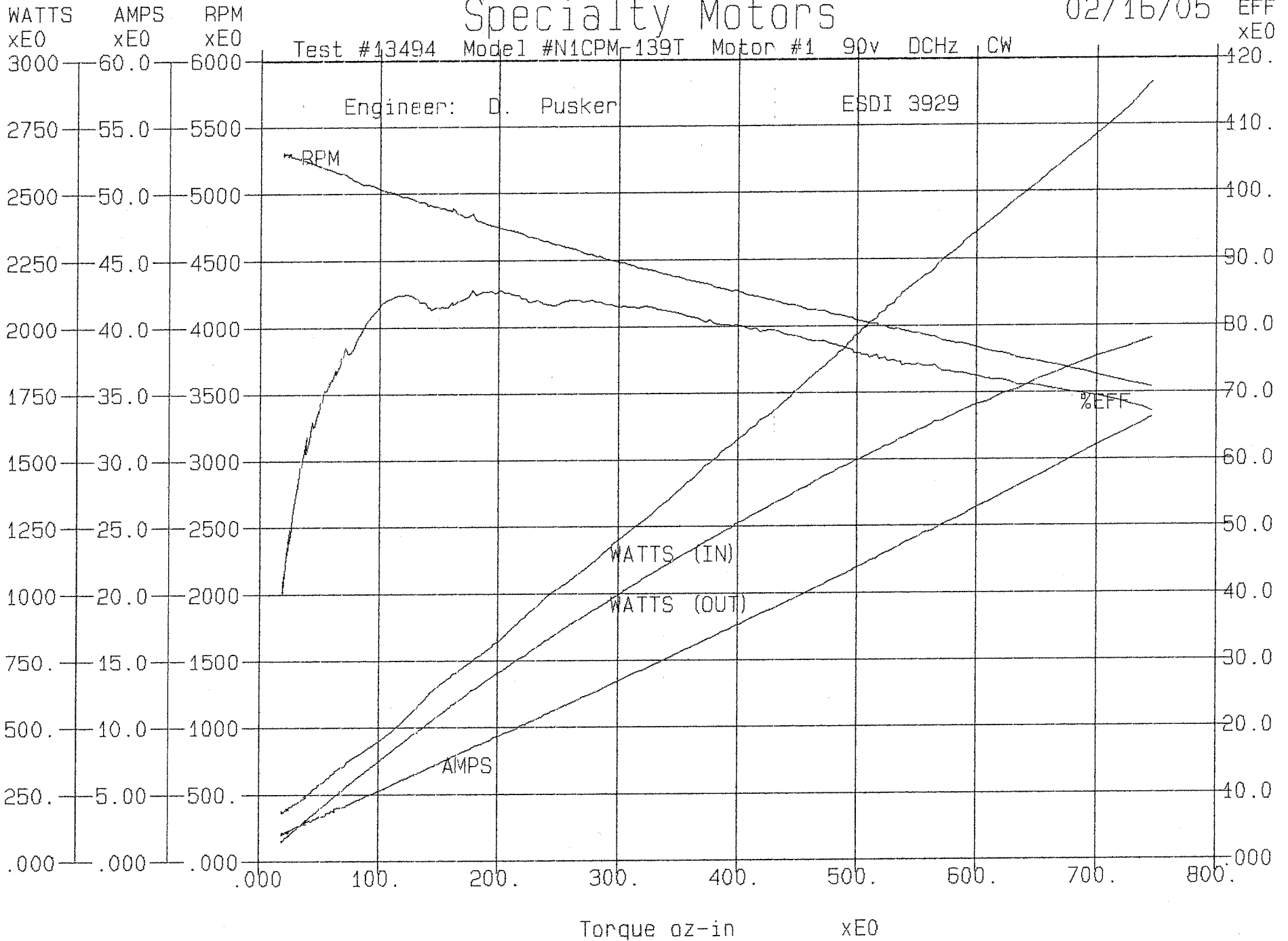


Specialty Motors

02/16/05 EFF
xEO



Specialty Motors

02/16/05

EFF
xEO

WATTS
xEO
2400

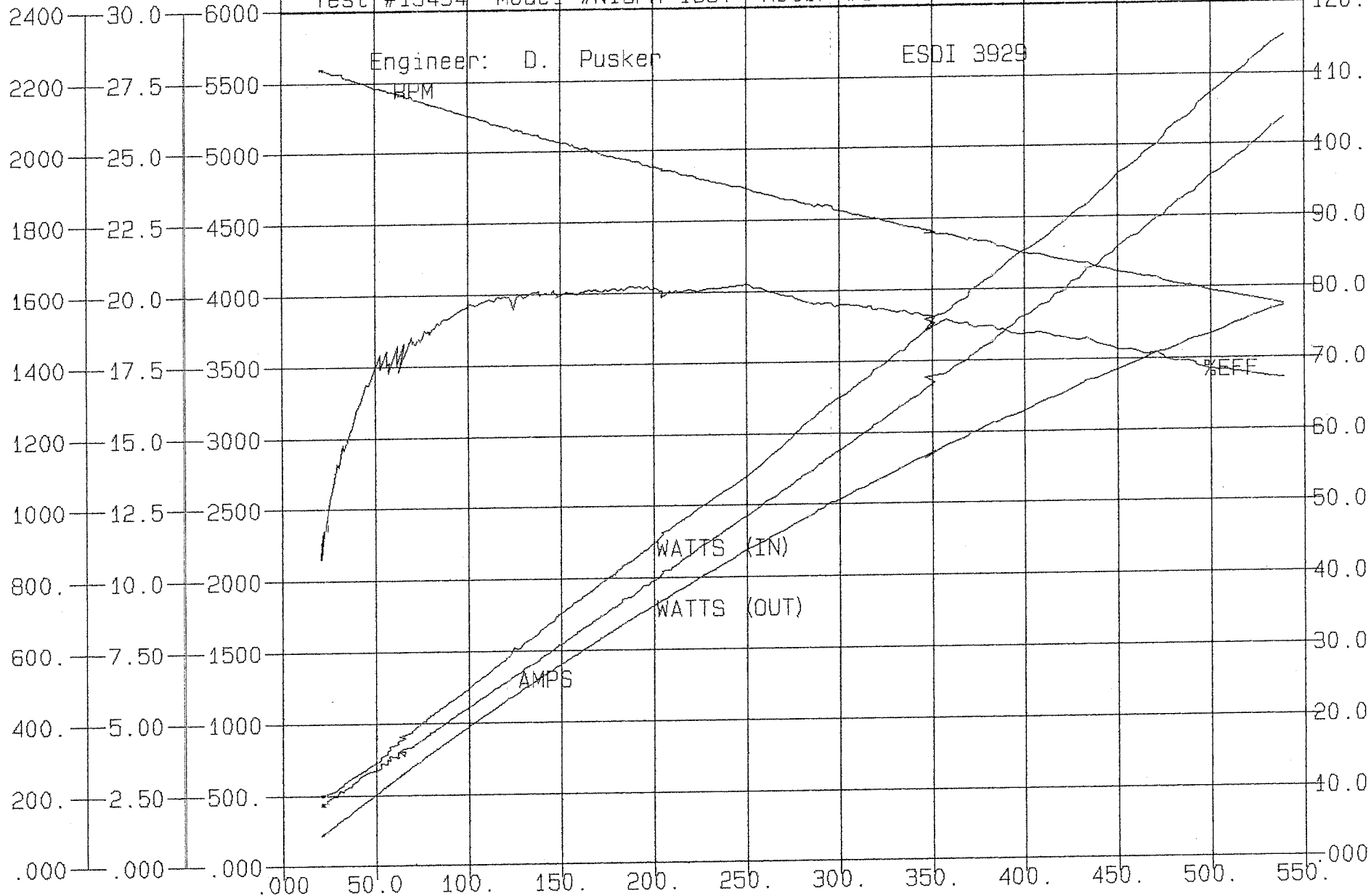
AMPS
xEO
30.0

RPM
xEO
6000

Test #13494 Model #N1CPM-138T Motor #1 90v DCHz CW

Engineer: D. Pusker

ESDI 3929



Torque oz-in xEO

Customer: Specialty Motors 02/16/05 09:46
 Test# 13494 Model# N1CPM-139T Motor# 1
 Volts: 90 Freq.: DC Rot.: CW
 System: Tq Table Type: None Oper.: jpe

Engineer: D. Pusker ESDI 3929

Tq oz-in	RPM	Amps	Watts in	Watts out	Eff %
20.0	5301.	2.12	181.	78.	43.2
40.0	5233.	2.90	250.	155.	61.9
60.0	5167.	3.69	320.	229.	71.7
80.0	5102.	4.48	390.	302.	77.4
100.0	5039.	5.27	461.	373.	80.9
120.0	4978.	6.07	532.	442.	83.0
140.0	4919.	6.87	604.	509.	84.3
160.0	4861.	7.67	677.	575.	85.0
180.0	4804.	8.48	750.	640.	85.3
200.0	4749.	9.29	824.	703.	85.3
220.0	4695.	10.10	898.	764.	85.1
240.0	4642.	10.92	972.	824.	84.8
260.0	4591.	11.74	1047.	883.	84.3
280.0	4540.	12.57	1123.	940.	83.8
300.0	4491.	13.40	1198.	997.	83.2
320.0	4443.	14.24	1274.	1052.	82.6
340.0	4396.	15.07	1350.	1106.	81.9
360.0	4349.	15.92	1427.	1158.	81.2
380.0	4304.	16.76	1503.	1210.	80.5
400.0	4259.	17.62	1580.	1260.	79.8
420.0	4215.	18.47	1656.	1310.	79.1
440.0	4171.	19.33	1733.	1358.	78.3
460.0	4128.	20.20	1810.	1405.	77.6
480.0	4086.	21.07	1887.	1451.	76.9
500.0	4044.	21.94	1963.	1496.	76.2
520.0	4002.	22.82	2040.	1539.	75.5
540.0	3961.	23.71	2116.	1582.	74.8
560.0	3919.	24.60	2193.	1624.	74.0
580.0	3878.	25.49	2269.	1664.	73.3
600.0	3838.	26.39	2345.	1703.	72.6
620.0	3797.	27.30	2421.	1741.	71.9
640.0	3756.	28.21	2496.	1778.	71.2
660.0	3715.	29.12	2571.	1814.	70.6
680.0	3674.	30.05	2646.	1848.	69.9
700.0	3633.	30.97	2720.	1881.	69.2
720.0	3591.	31.91	2794.	1913.	68.5
740.0	3549.	32.84	2867.	1943.	67.8

Customer: Specialty Motors 02/16/05 09:33
 Test# 13494 Model# N1CPM-138T Motor# 1
 Volts: 90 Freq.: DC Rot.: CW
 System: Tq Table Type: None Oper.: jpe

Engineer: D. Pusker ESDI 3929

Tq oz-in	RPM	Amps	Watts in	Watts out	Eff %	
20.0	5601.	2.10	175.	83.	47.4	*
40.0	5511.	3.00	255.	163.	63.9	
60.0	5428.	3.82	338.	241.	71.3	
80.0	5341.	4.68	423.	316.	74.8	
100.0	5256.	5.52	496.	389.	78.4	
120.0	5179.	6.40	577.	460.	79.7	
140.0	5100.	7.28	660.	528.	80.0	
160.0	5021.	8.18	742.	594.	80.1	
180.0	4953.	9.00	818.	660.	80.6	
200.0	4883.	9.92	896.	722.	80.6	
220.0	4820.	10.80	977.	785.	80.3	
240.0	4754.	11.70	1046.	844.	80.7	
260.0	4685.	12.60	1124.	901.	80.1	
280.0	4621.	13.47	1217.	957.	78.6	
300.0	4563.	14.40	1299.	1013.	77.9	
320.0	4502.	15.31	1379.	1066.	77.3	
340.0	4443.	16.22	1458.	1117.	76.7	
360.0	4386.	17.15	1545.	1168.	75.6	
380.0	4332.	18.06	1629.	1218.	74.8	
400.0	4249.	19.04	1708.	1257.	73.6	
420.0	4196.	19.88	1783.	1304.	73.1	
440.0	4140.	20.88	1869.	1348.	72.1	
460.0	4087.	21.84	1957.	1391.	71.1	
480.0	4030.	22.91	2056.	1431.	69.6	
500.0	3970.	23.94	2147.	1469.	68.4	
520.0	3927.	24.85	2228.	1511.	67.8	