

16A118

TRACKING #: 10098547
 SBU: Heating & Air Cond
 ENGINEER: FRANK JIN
 TECHNICIAN: TOM
 TORQUE CELL: 25 inlb
 NP RPM: 1100
 # SPEEDS: 3
 MOTOR #: 1
 COMMENT 2:

CUSTOMER:
 MODEL: DE3E7248
 FRAME: 48
 PHASES: 1
 VOLTS: 115.0
 HERTZ: 60
 RUN CAP: 5.00
 COMMENT1:
 COMMENT 3:

DESCRIPTION: SYNC-0
 TYPE: PSC
 BENCH: 1
 HP: 0.07
 ROTATION: CW
 BDT: 5.02
 LRA: 1.45
 LRT: 1.94
 COMMENT 4:

Resistance:

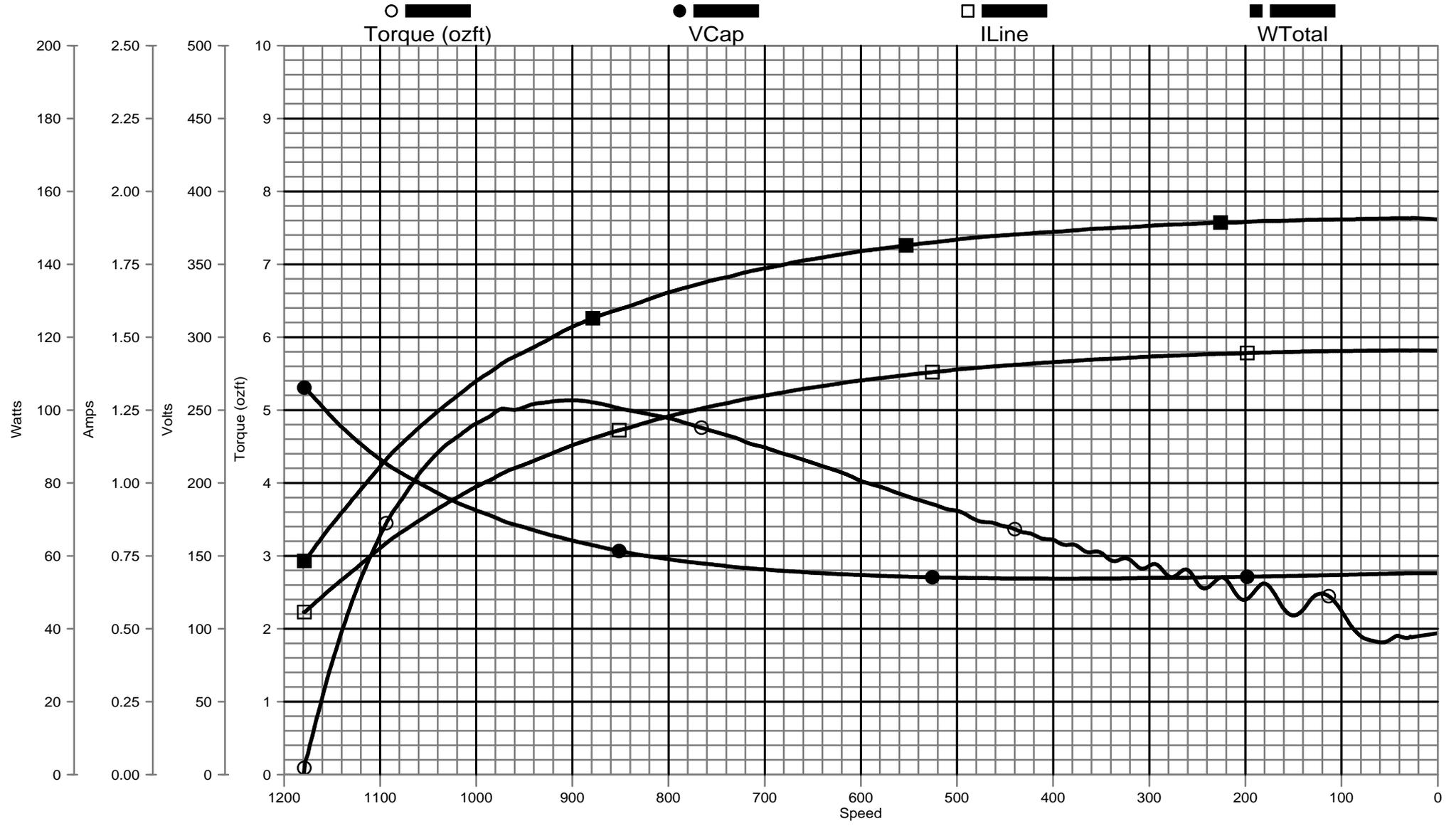
	Start	Main1		Friction: -1.0542 ozft @ 200 RPM
	03-02	01-02		Friction + Wind: -1.5120 ozft @ 1080 RPM
				Inertia: 0.0112 ozft
Spec	20.00	20.00		
Before	143.218	39.040	@24.2 °C	
After	143.890	39.305	@24.3 °C	

Down Results (Torque In ozft):

% Load	Torque	RPM	VLine	VCap	VStart	ILine	IMain	IStart	WLine	WOut	% Eff	% PF	HP
NL	0.00	1179.2	114.9	265.3	239.5	0.56	0.44	0.50	58.6	0.0	0.0	91.1	0.00
NP+60	1.07	1160.0	114.7	252.2	229.1	0.61	0.45	0.48	65.2	11.0	16.9	93.2	0.01
NP-50*	1.53	1150.0	114.6	245.0	222.9	0.64	0.46	0.46	68.6	15.6	22.8	93.5	0.02
NP+40	1.95	1140.0	114.6	238.3	217.0	0.67	0.47	0.45	71.8	19.7	27.5	93.5	0.03
NP-25*	2.52	1125.0	114.7	229.4	208.9	0.71	0.50	0.43	76.6	25.2	32.8	94.1	0.03
NP+20	2.69	1120.0	114.7	226.5	206.3	0.72	0.51	0.43	78.2	26.7	34.2	94.7	0.04
NP	3.28	1100.0	114.7	216.2	196.6	0.78	0.56	0.41	84.5	32.0	37.9	94.4	0.04
NP-20	3.73	1080.0	114.8	207.5	188.1	0.83	0.61	0.39	90.2	35.7	39.6	94.7	0.05
NP+25*	3.82	1075.0	114.8	205.6	186.3	0.84	0.62	0.39	91.4	36.4	39.9	94.8	0.05
NP-40	4.11	1060.0	114.8	200.2	180.9	0.87	0.65	0.38	95.0	38.7	40.7	95.1	0.05
NP+50*	4.27	1050.0	114.8	196.6	177.2	0.89	0.68	0.37	97.4	39.8	40.8	95.3	0.05
NP-60	4.41	1040.0	114.8	193.1	173.6	0.91	0.70	0.36	99.6	40.7	40.9	95.3	0.05
NP-80	4.63	1020.0	114.8	186.5	166.6	0.95	0.75	0.35	103.8	41.9	40.4	95.2	0.06
NP-100	4.82	1000.0	115.0	181.2	160.7	0.99	0.79	0.34	107.9	42.8	39.6	94.8	0.06
BDT	5.02	971.3	115.0	173.7	152.0	1.04	0.86	0.33	113.1	43.3	38.3	94.6	0.06
FL	5.10	930.6	115.0	165.7	142.1	1.09	0.93	0.31	118.5	42.1	35.5	94.5	0.06
MT	5.13	902.2	115.1	160.8	135.5	1.13	0.98	0.30	122.6	41.1	33.5	94.3	0.06
NP-200	5.13	900.0	115.1	160.4	135.0	1.13	0.98	0.30	122.8	41.0	33.4	94.4	0.05
NP-300	4.89	800.0	114.8	147.6	115.4	1.23	1.12	0.28	132.2	34.7	26.3	93.6	0.05
NP-400	4.49	700.0	114.8	140.6	101.0	1.30	1.22	0.27	138.9	27.9	20.1	93.1	0.04
HS	4.03	600.0	114.8	136.8	89.5	1.35	1.29	0.26	143.6	21.5	14.9	92.7	0.03
PUT	1.81	58.0	114.8	137.6	57.4	1.45	1.48	0.26	152.5	0.9	0.6	91.6	0.00
LR	1.94	0.0	114.7	138.0	56.2	1.45	1.48	0.26	152.3	0.0	0.0	91.6	0.00

LRA=LOCKED ROTOR AMPS BDT =BREAKDOWN TORQUE MT=MAX TORQUE
 LRT=LOCKED ROTOR TORQUE NP RPM=NAMEPLATE RPM

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 PHASES: 1
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 COMMENT1:
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DESCRIPTION: SYNC-0
 TYPE: PSC
 BENCH: 1
 HP: 0.07
 ROTATION: CW
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FRAME: 48
PHASES: 1
VOLTS: 115.0
HERTZ: 60
RUN CAP: 5.00
COMMENT1:
COMMENT 3:

DESCRIPTION: SYNC-0
TYPE: PSC
BENCH: 1
HP: 0.07
ROTATION: CW
BDT: 1.66
LRA: 0.71
LRT: 0.53
COMMENT 4:

Resistance:

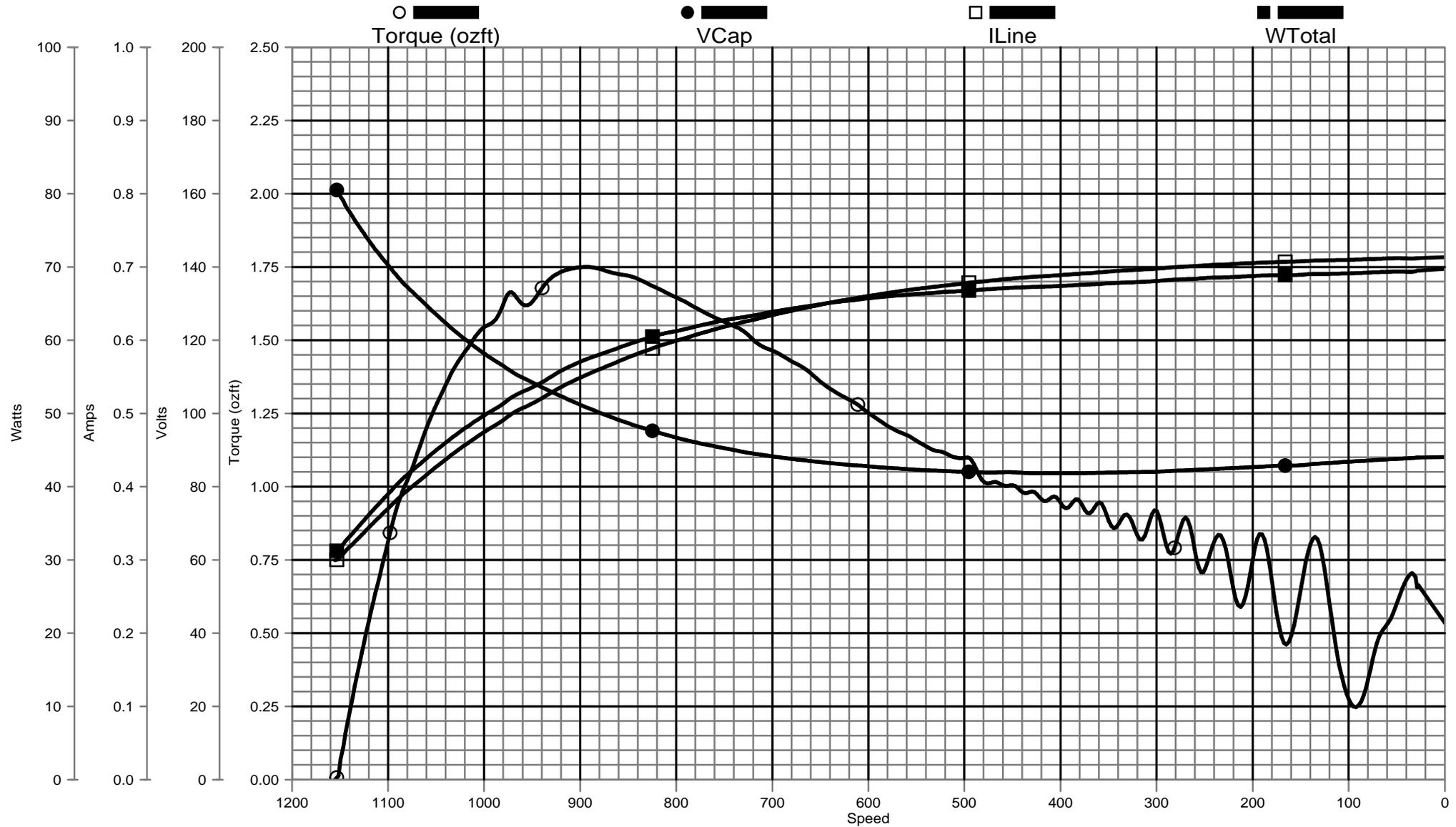
	Start	Main1	
	03-02	01-02	
Spec	20.00	20.00	
Before	142.346	66.382	@24.9 °C
After	142.561	66.571	@24.8 °C

Friction: -1.0542 ozft @ 200 RPM
Friction + Wind: -1.5120 ozft @ 1080 RPM
Inertia: 0.0112 ozft

Down Results (Torque In ozft):

% Load	Torque	RPM	VLine	VCap	VStart	ILine	IMain	IStart	WLine	WOut	% Eff	% PF	HP
NL	0.00	1155.3	115.0	161.4	161.4	0.30	0.24	0.31	31.2	0.0	0.0	90.4	0.00
NP-50*	0.05	1150.0	114.7	159.6	160.1	0.30	0.24	0.30	31.6	0.5	1.6	91.8	0.00
NP+40	0.23	1140.0	114.7	155.0	156.5	0.32	0.24	0.29	33.2	2.3	7.0	90.5	0.00
NP-25*	0.47	1125.0	114.7	149.0	151.8	0.34	0.24	0.28	35.4	4.7	13.3	90.8	0.01
NP+20	0.54	1120.0	114.7	147.2	150.3	0.34	0.25	0.28	36.1	5.4	14.9	92.6	0.01
NP	0.81	1100.0	114.7	140.5	145.0	0.37	0.26	0.26	39.0	7.9	20.3	91.9	0.01
NP-20	1.02	1080.0	114.6	134.5	140.2	0.39	0.28	0.25	41.6	9.8	23.5	93.1	0.01
NP+25*	1.06	1075.0	114.6	133.2	139.1	0.40	0.29	0.25	42.2	10.1	24.0	92.1	0.01
NP-40	1.20	1060.0	114.6	129.5	136.0	0.42	0.30	0.24	43.8	11.3	25.8	91.0	0.02
NP+50*	1.28	1050.0	114.6	127.0	133.9	0.43	0.31	0.24	44.9	11.9	26.6	91.1	0.02
NP-60	1.35	1040.0	114.6	124.7	131.8	0.44	0.32	0.24	46.0	12.5	27.1	91.2	0.02
NP-80	1.46	1020.0	114.6	120.3	127.9	0.46	0.35	0.23	47.9	13.2	27.6	90.9	0.02
NP-100	1.54	1000.0	114.5	116.3	124.2	0.47	0.37	0.22	49.7	13.7	27.5	92.4	0.02
BDT	1.66	971.4	114.7	111.4	119.3	0.50	0.40	0.21	52.2	14.3	27.4	91.0	0.02
NP-200	1.75	900.0	115.2	102.4	109.4	0.55	0.47	0.19	57.0	14.0	24.5	90.0	0.02
MT	1.75	893.4	115.2	101.6	108.5	0.55	0.47	0.19	57.4	13.9	24.2	90.6	0.02
NP-300	1.65	800.0	115.0	93.4	97.0	0.60	0.54	0.18	61.2	11.7	19.1	88.7	0.02
NP-400	1.46	700.0	114.8	88.3	87.3	0.63	0.60	0.17	63.9	9.1	14.2	88.4	0.01
HS	1.25	600.0	114.8	85.6	79.5	0.66	0.64	0.16	65.7	6.7	10.1	86.7	0.01
PUT	0.25	92.2	114.8	86.9	54.3	0.71	0.74	0.16	69.1	0.2	0.3	84.8	0.00
LR	0.53	0.0	115.1	88.1	51.7	0.71	0.75	0.17	69.7	0.0	0.0	85.3	0.00

LRA=LOCKED ROTOR AMPS BDT =BREAKDOWN TORQUE MT=MAX TORQUE
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 MOTOR #: 1
 COMMENT 2:

CUSTOMER:
 MODEL:
 FRAME: 48
 PHASES: 1
 VOLTS: 115.0
 HERTZ: 60
 RUN CAP: 5.00
 COMMENT1:
 COMMENT 3:

DESCRIPTION: SYNC-0
 TYPE: PSC
 BENCH: 1
 HP: 0.07
 ROTATION: CW
 BDT: 1.66
 LRA: 0.71
 LRT: 0.53
 COMMENT 4:

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 NP RPM: 1100
 # SPEEDS: 3
 MOTOR #: 1
 COMMENT 2:

CUSTOMER:
 MODEL:
 FRAME: 48
 PHASES: 1
 VOLTS: 115.0
 HERTZ: 60
 RUN CAP: 5.00
 COMMENT1:
 COMMENT 3:

DESCRIPTION: SYNC-0
 TYPE: PSC
 BENCH: 1
 HP: 0.07
 ROTATION: CW
 BDT: 0.94
 LRA: 0.54
 LRT: -0.19
 COMMENT 4:

Resistance:

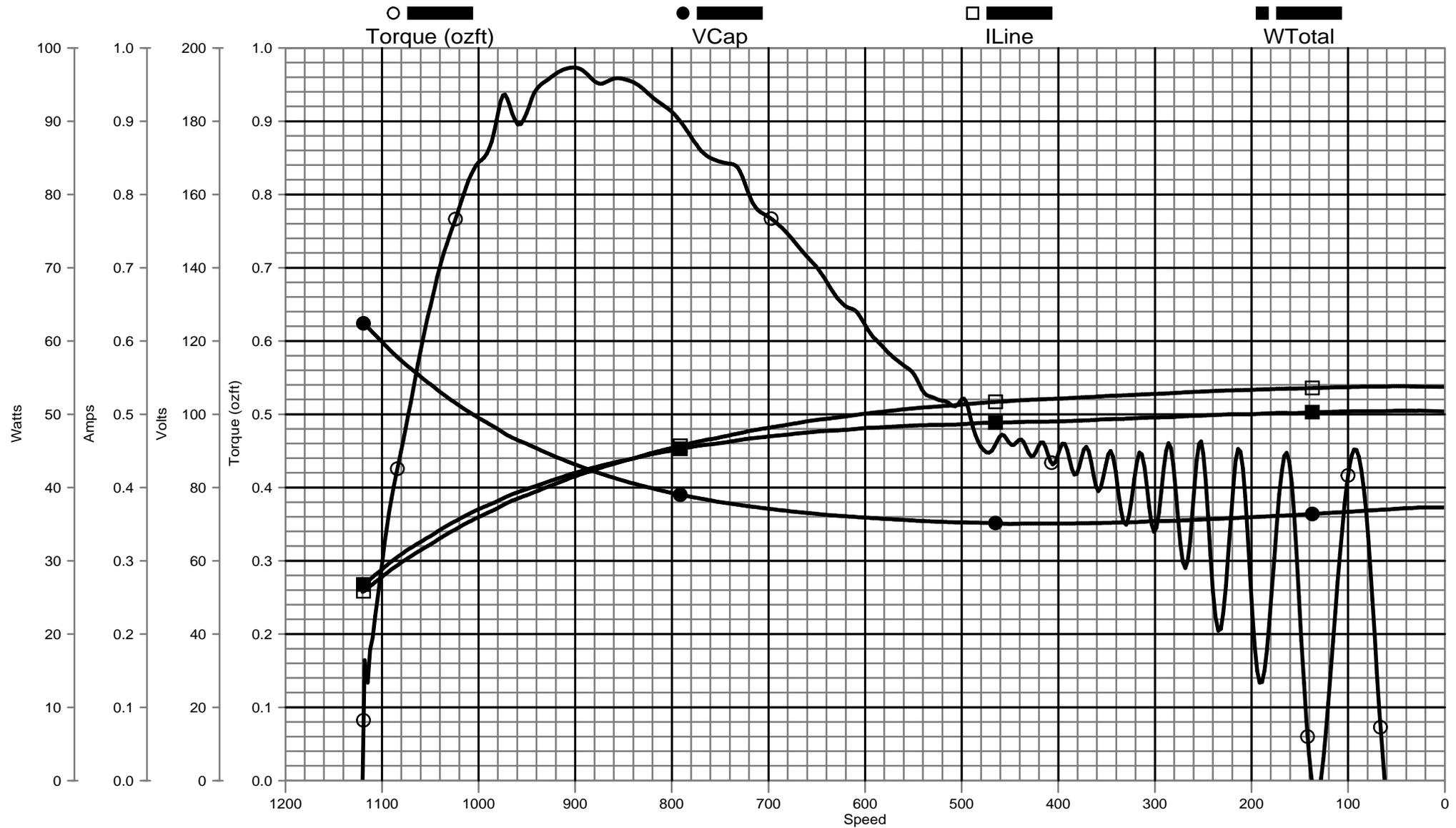
	Start	Main1	
	03-02	01-02	
Spec	20.00	20.00	
Before	141.928	79.904	@24.6 °C
After	142.092	80.080	@24.4 °C

Friction: -1.0542 ozft @ 200 RPM
 Friction + Wind: -1.5120 ozft @ 1080 RPM
 Inertia: 0.0112 ozft

Down Results (Torque In ozft):

% Load	Torque	RPM	VLine	VCap	VStart	ILine	IMain	IStart	WLine	WOut	% Eff	% PF	HP
NL	0.00	1120.1	115.0	124.9	137.9	0.26	0.20	0.24	26.7	0.0	0.0	89.3	0.00
NP+20	0.00	1120.0	115.0	124.9	137.9	0.26	0.20	0.24	26.7	0.0	0.0	89.3	0.00
NP	0.30	1100.0	114.8	119.7	134.2	0.28	0.20	0.23	28.8	2.9	10.2	89.6	0.00
NP-20	0.45	1080.0	114.8	114.6	130.5	0.30	0.22	0.22	30.9	4.3	14.0	89.7	0.01
NP+25*	0.48	1075.0	114.8	113.5	129.7	0.30	0.22	0.21	31.3	4.6	14.6	90.9	0.01
NP-40	0.59	1060.0	114.8	110.3	127.3	0.31	0.23	0.21	32.6	5.5	17.0	91.6	0.01
NP+50*	0.65	1050.0	114.8	108.2	125.7	0.32	0.24	0.20	33.4	6.1	18.1	90.9	0.01
NP-60	0.70	1040.0	114.8	106.1	124.1	0.33	0.25	0.20	34.2	6.5	18.9	90.3	0.01
NP-80	0.78	1020.0	114.8	102.4	121.0	0.35	0.26	0.19	35.7	7.1	19.8	88.9	0.01
NP-100	0.84	1000.0	114.8	99.0	118.1	0.36	0.28	0.19	37.0	7.5	20.1	89.5	0.01
BDT	0.94	972.7	114.8	94.7	114.3	0.38	0.30	0.18	38.6	8.1	21.0	88.5	0.01
MT	0.97	902.1	114.8	86.5	106.0	0.41	0.35	0.16	41.9	7.8	18.5	89.0	0.01
NP-200	0.97	900.0	114.8	86.3	105.8	0.42	0.35	0.16	42.0	7.7	18.4	87.1	0.01
NP-300	0.91	800.0	114.8	78.5	95.9	0.45	0.41	0.15	45.0	6.5	14.4	87.1	0.01
NP-400	0.77	700.0	114.7	74.2	88.3	0.48	0.46	0.14	46.9	4.8	10.2	85.2	0.01
HS	0.62	600.0	114.7	71.8	81.9	0.50	0.49	0.14	48.1	3.3	6.9	83.9	0.00
PUT	-0.33	27.4	114.9	74.5	58.3	0.54	0.58	0.14	50.5	-0.1	0.0	81.4	0.00
LR	-0.19	0.0	114.8	74.5	58.2	0.54	0.58	0.14	50.4	0.0	0.0	81.3	0.00

LRA=LOCKED ROTOR AMPS BDT =BREAKDOWN TORQUE MT=MAX TORQUE
 LRT=LOCKED ROTOR TORQUE NP RPM=NAMEPLATE RPM



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 SBU: Heating & Air Cond
 ENGINEER: FRANK JIN
 TECHNICIAN: TOM
 TORQUE CELL: 25 inlb
 NP RPM: 1100
 # SPEEDS: 3
 MOTOR #: 1
 COMMENT 2:

CUSTOMER:
 MODEL:
 FRAME: 48
 PHASES: 1
 VOLTS: 115.0
 HERTZ: 60
 RUN CAP: 5.00
 COMMENT1:
 COMMENT 3:

DESCRIPTION: SYNC-0
 TYPE: PSC
 BENCH: 1
 HP: 0.07
 ROTATION: CW
 BDT: 0.94
 LRA: 0.54
 LRT: -0.19
 COMMENT 4:

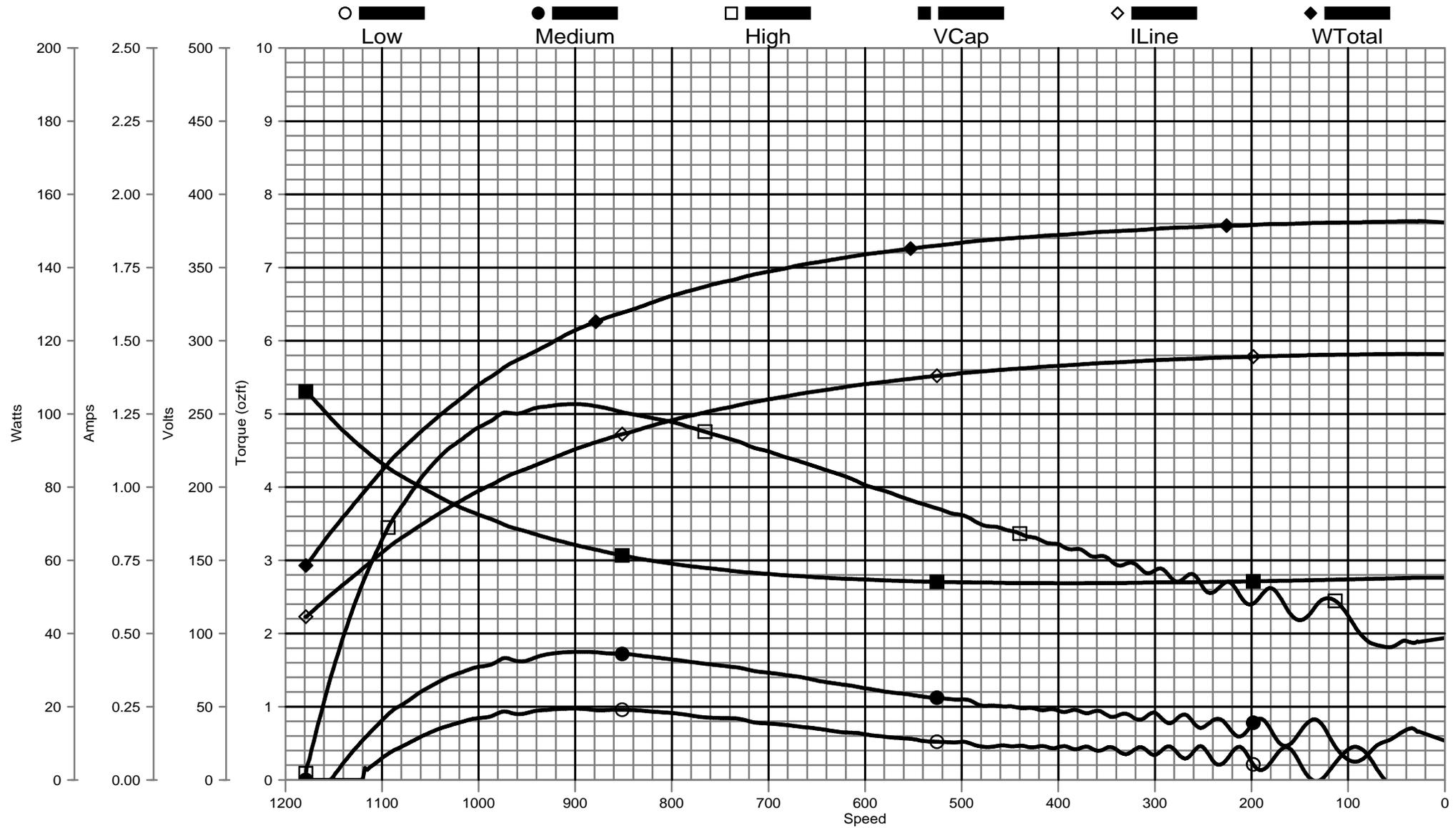
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TRACKING #: 10098547	CUSTOMER:	DESCRIPTION: IDLE
SBU: Heating & Air Cond	MODEL:	TYPE: PSC
ENGINEER: FRANK JIN	FRAME: 48	BENCH: 1
TECHNICIAN: TOM	PHASES: 1	HP: 0.07
TORQUE CELL: 25 inlb	VOLTS: 115.0	ROTATION: CW
NP RPM: 1100	HERTZ: 60	BDT: 0.00
# SPEEDS: 3	RUN CAP: 5.00	LRA: 0.00
MOTOR #: 1	COMMENT1:	LRT: 0.00
COMMENT 2:	COMMENT 3:	COMMENT 4:

Resistance:

	Start	Main1	
	03-02	01-02	
Spec	20.00	20.00	
Results	144.425	39.350	@23.5 °C

VLine	VStart	VCap	ILine	IMain	IStart	WLine	TC01	TC02	TC03	TC04	Time
114.8	246.6	270.6	0.51	0.42	0.51	53.5	OPEN	OPEN	OPEN	OPEN	01:56:27 am



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 TORQUE CELL: 25 inlb
 NP RPM: 1100
 # SPEEDS: 3
 MOTOR #: 1
 COMMENT 2:

CUSTOMER:
 MODEL:
 FRAME: 48
 PHASES: 1
 VOLTS: 115.0
 HERTZ: 60
 RUN CAP: 5.00
 COMMENT1:
 COMMENT 3:

DESCRIPTION: SYNC-0
 TYPE: PSC
 BENCH: 1
 HP: 0.07
 ROTATION: CW
 BDT: 0.94
 LRA: 0.54
 LRT: -0.19
 COMMENT 4: MULTI SPEED