

PRODUCT INFORMATION PACKET



Model No: 754A

Catalog No: 754A

Fan Coil & Air Conditioner Motor, 1/2,1/3,1/4,1/6 HP, 1 Ph, 60 Hz, 115 V, 1075 RPM, 4 Speed,
48 Frame, OAO



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Nameplate Specifications

Output HP	1/2,1/3,1/4,1/6 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	115 V
Current	8.9, 5.9, 4.2, 3.2 A	Speed	1075 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	B
Frame	48	Enclosure	Open Air Over
Thermal Protection	Automatic	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	4

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Mounting	Flexible Arms	Motor Orientation	Horizontal
Drive End Bearing	Sleeve	Opp Drive End Bearing	Sleeve
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	11.03 in	Frame Length	4.88 in
Shaft Diameter	0.500 in	Shaft Extension	5.5 in
Connection Drawing	614131-347	Outline Drawing	754A-S01

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GENERAL INFORMATION:

SHAFT RUNOUT: .001 [.025] T.I.R. PER INCH LENGTH OF EXTENSION

BEARINGS: BALL

MOUNTING POSITION: HORIZONTAL

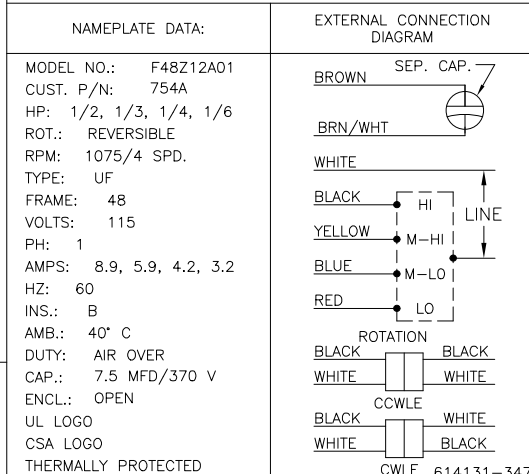
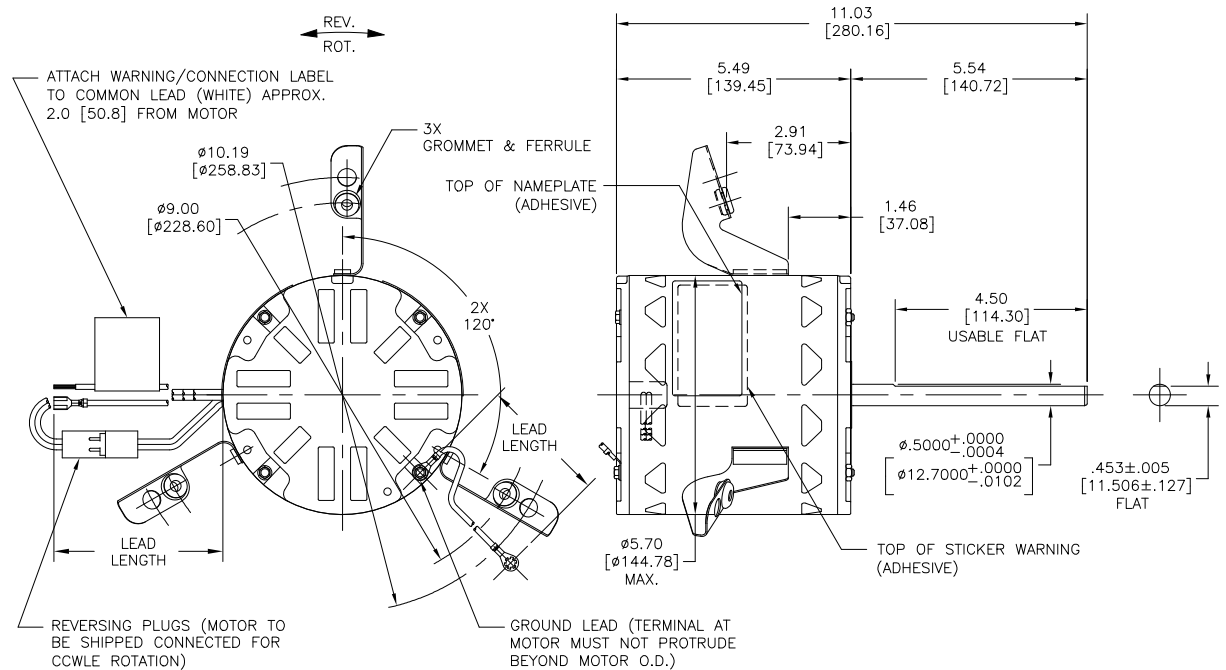
ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (T.I. 7AM 036)

LINE LEADS: NO. 18 GA., .06 [1.52] THK. PVC 105°C INSUL.

REVERSING LEADS: NO. 18 GA., .03 [.76] THK. XLP 125°C INSUL.

GROUND LEAD: NO. 18 GA., .03 [.76] THK. (GREEN/YELLOW) INSUL.



GREEN/YELLOW (GROUND)	11.0/13.0 [279.4/330.2]	#10 EYELET
BLACK/WHITE	3.0/5.0 [76.2/127.0]	REVERSING PLUGS
BROWN	24.0/26.0 [609.6/660.4]	.25 [6.35] FEMALE SPADE
BROWN/WHITE	24.0/26.0 [609.6/660.4]	.25 [6.35] FEMALE SPADE
RED	24.0/26.0 [609.6/660.4]	.50 [12.70] SKIN
BLUE	24.0/26.0 [609.6/660.4]	.50 [12.70] SKIN
YELLOW	24.0/26.0 [609.6/660.4]	.50 [12.70] SKIN
BLACK	24.0/26.0 [609.6/660.4]	.50 [12.70] SKIN
WHITE	24.0/26.0 [609.6/660.4]	.50 [12.70] SKIN
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

REGAL-BELOIT CORPORATION (RBC) PROVIDES TECHNICAL ASSISTANCE TO OUR CUSTOMERS IN SEVERAL AREAS. SINCE RBC DOES NOT RECEIVE ALL DATA CONCERNING THE USE AND APPLICATION OF THE MOTOR, THE SUITABILITY OF THE MOTOR FOR THE APPLICATION MUST BE DETERMINED BY THE CUSTOMER.

DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

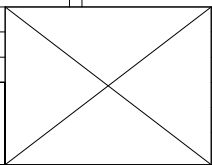
MAIN FRAME - OLE	OPEN
END FRAME - OLE	OPEN
MAIN FRAME - LE	OPEN
END FRAME - LE	OPEN

CUSTOMER	DISTRIBUTION SERVICE
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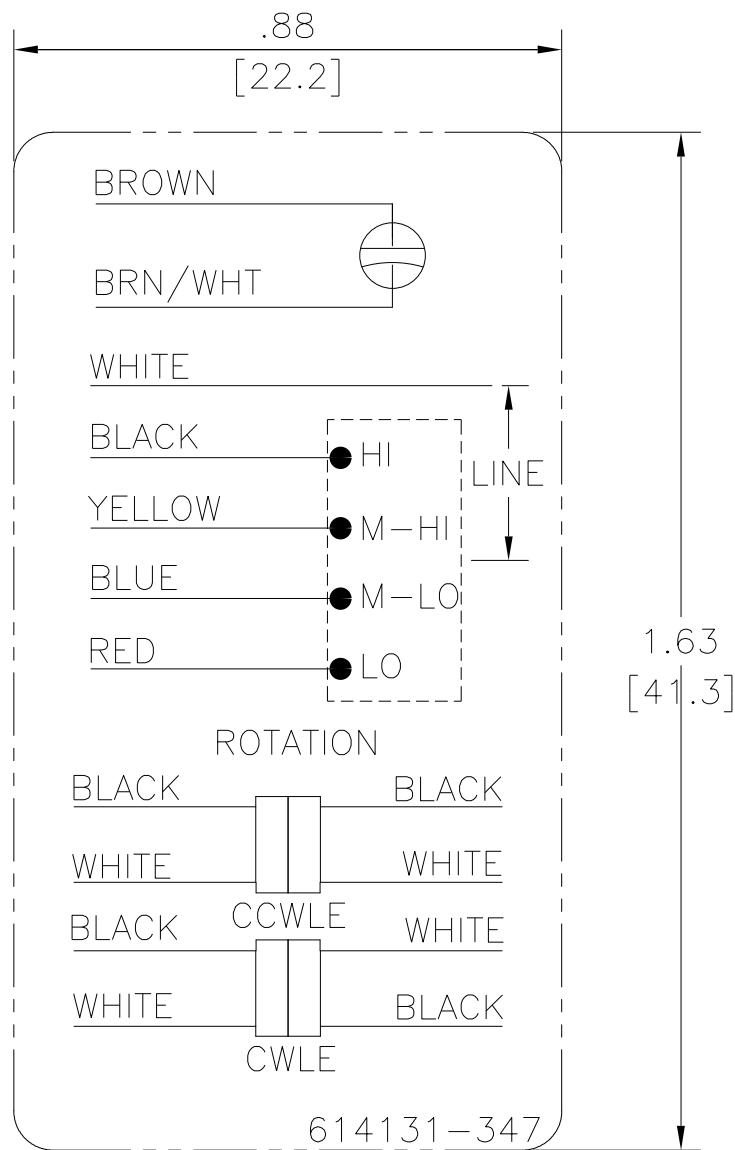
PERFORMANCE CURVE NO.	TORQUE @ 1075 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT				CSA	
			FILE #	CCN #	FILE #	CLASS #		
C32677	58.2 OZ. FT.	0600522B	E46412	PRGY2	LR43341	4211-01		

DRAWING REVISION	REVISION BY	DATE
ECO	TRSK	1-17-2023
NMR-0219671	TRSK	1-17-2023
ECO DESCRIPTION		
STB CHANGE PER NMR		

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DRAWN BY: G.ZHAO	REGAL™ Regal Beloit America, Inc.
DATE: 07-18-2014	
APPROVED BY: C.ZHOU	DESCRIPTION: MODEL-RFHP-48FR OUTLINE
DATE: 07-18-2014	MATERIAL: -
REFERENCE: -	PROCESS/FINISH: -
THIRD ANGLE PROJECTION	SIZE DWG NO: C 754A
	SHEET 1



NOTES:

1. FOR USE WITH 614129 NAMEPLATE BLANK.
2. — — — — — INDICATES DIMENSION LIMITS.
3. DIE TO BE MADE FROM MASTER SUPPLIED BY REGAL REXNORD CORPORATION.
4. DIE MUST PRODUCE A LEGIBLE IMPRESSION.

DRAWING REVISION C	REVISION BY J. RUPERT	DATE 04-08-2022
ECO NMR-0213458	APPROVED BY J. RUPERT	DATE 04-08-2022
ECO DESCRIPTION REVISED FOR UP ISSUE		
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TOLERANCES UNLESS OTHERWISE SPECIFIED			
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.02	[±0.51]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOVE BURRS & BREAK SHARP EDGES .003/.015 [0.076/.381] X 45°			
CORNER FILLETS R.02 [.51]			
MACHINED SURFACES			
$\sqrt[125]{\text{INCH}}$ $\sqrt[3.2]{\text{mm}}$			
mm SHOWN IN [BRACKETS]			

DRAWN BY: L. GRADO
DATE: 02-05-2009
APPROVED BY: C. CONTRERAS
DATE: 02-05-2009
REFERENCE
THIRD ANGLE PROJECTION

REGAL ™ Regal Beloit America, Inc.	
DESCRIPTION CONN DIAGRAM-EXTERNAL	
MATERIAL	PROCESS/FINISH
SIZE A	DWG NO 4 of 14 614131-347
SHEET 1	

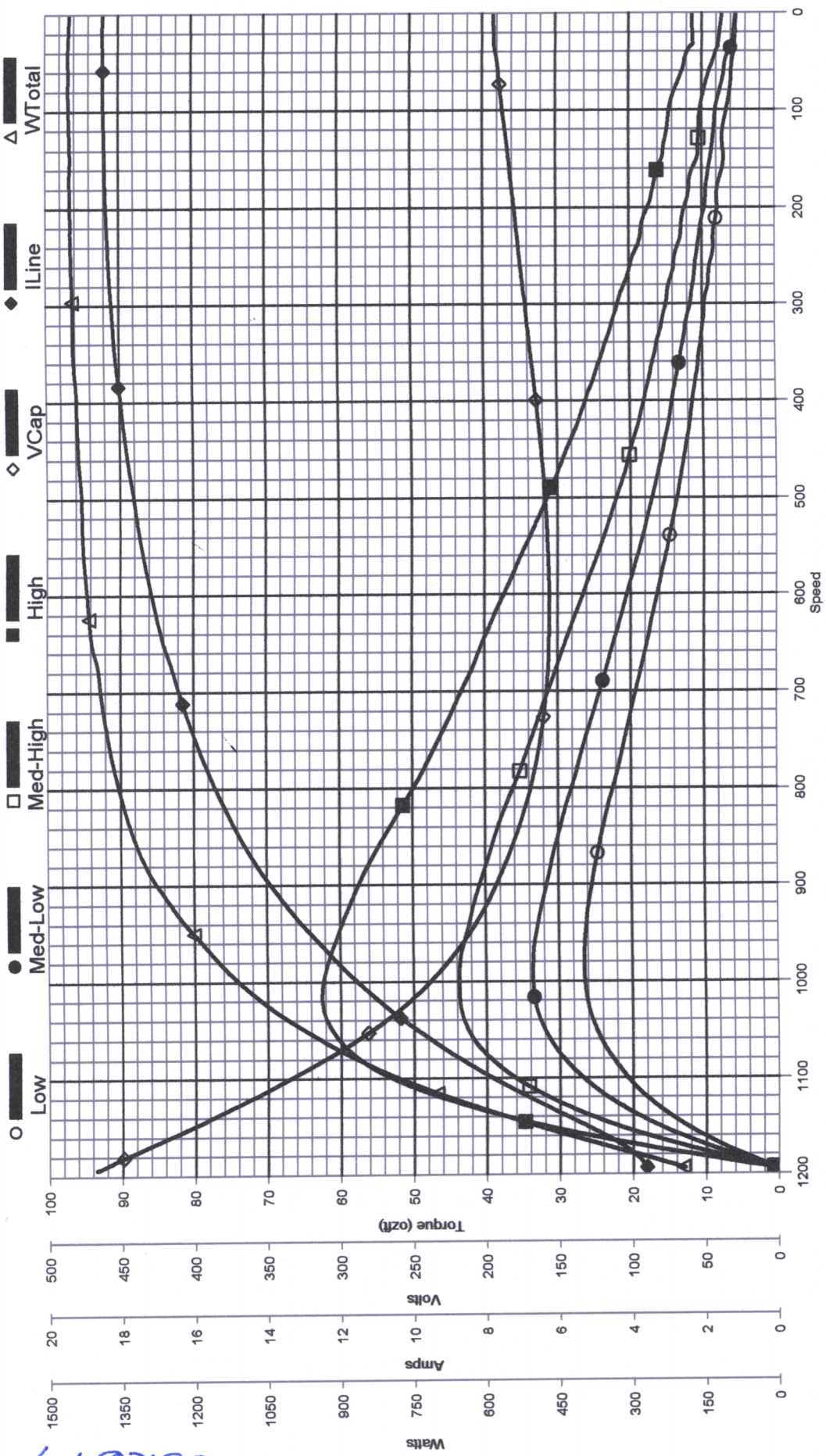
C32677

C32677
754A/F48Z12A01

Tuesday, June 27, 2006 01:14 PM

AO Smith

MultiSpeed Project: 0600522



C32677

TRACKING #: 10048279
 SBU: Heating & Air Cond
 ENGINEER: JAMES PENG
 TECHNICIAN: TODD
 TORQUE CELL: 350-2 in.lb
 NP REM: 1075
 # SPEEDS: 4
 MOTOR #: 1
 COMMENT 2:

CUSTOMER: DISTRIBUTION SERVICES
 MODEL: 0600522B
 FRAME: 48
 PHASES: 1
 VOLTS: 115.0
 HERTZ: 60
 RUN CAP: 7.50
 COMMENT 1:

DESCRIPTION: SYNC-0
 TYPE: PSC
 BENCH: 2
 HP: 0.50
 ROTATION: CCW
 BDT: 26.57
 LRA: 6.78
 LRT: 5.34
 COMMENT 4:

TRACKING #: 10048279
SBU: Heating & Air Cond
ENGINEER: JAMES PENG
TECHNICIAN: TODD
TORQUE CELL: 350-2 inlb
NP RPM: 1075
SPEEDS: 4
MOTOR #: 1
COMMENT 2:

CUSTOMER: DISTRIBUTION SERVICES
MODEL: 0600522B
FRAME: 48
PHASES: 1
VOLTS: 115.0
HERTZ: 60
RUN CAP: 7.50
COMMENT 1:
COMMENT 3:

DESCRIPTION: SYNC-0
TYPE: PSC
BENCH: 2
HP: 0.50
ROTATION: CCW
BDT: 62.54
LRA: 18.41
LRT: 11.34
COMMENT 4:

Resistance: Start Main1
03-02 01-02
10.00 0.00
40.696 1.788 @22.7 °C
41.145 1.858 @22.7 °C

Friction: -2.6351 ozft @ 200 RPM
Friction + Wind: -2.8141 ozft @ 1080 RPM
Inertia: 0.0372 ozft

Down Test Results (Torque In ozft):

	% Load	Torque	RPM	VLine	VCap	VStart	Iline	IMain	IStart	WLine	WOut	% Eff	% PF	HP
NL	0.00	1193.2	114.6	467.6	429.1	3.61	3.84	1.37	193.1	0.0	0.0	46.7	0.00	0.22
NP+100	15.39	1175.0	114.4	439.9	382.2	4.09	3.88	1.27	323.7	160.5	49.6	69.2	0.40	0.40
NP+80	28.90	1155.0	114.1	409.5	358.8	5.00	5.47	1.17	462.7	296.2	64.0	81.1	0.54	0.54
NP+60	39.70	1135.0	114.3	381.1	346.9	6.06	5.99	1.10	590.2	399.9	67.7	85.2	0.59	0.59
NP-50*	44.10	1125.0	114.4	367.2	335.3	7.09	6.50	1.04	648.5	440.3	67.9	86.0	0.64	0.64
NP+40	47.96	1115.0	114.6	354.0	318.6	7.82	7.26	1.00	779.0	515.7	66.2	86.7	0.69	0.69
NP-25*	52.83	1100.0	114.9	335.3	313.0	8.05	7.50	0.99	802.3	526.5	65.6	86.7	0.71	0.71
NP+20	54.18	1095.0	114.9	329.1	290.3	8.92	8.41	0.94	865.7	555.6	62.7	86.5	0.75	0.75
NP	58.24	1075.0	114.8	305.0	269.1	9.71	9.26	0.89	957.1	569.8	59.4	85.9	0.76	0.76
NP-20	60.71	1055.0	114.7	283.3	264.1	9.90	9.47	0.88	973.9	569.8	58.5	85.8	0.76	0.76
NP+25*	61.15	1050.0	114.7	278.3	264.1	9.90	9.47	0.88	974.2	569.8	58.5	85.8	0.76	0.76
FL	61.16	1049.9	114.7	278.2	264.0	9.90	9.47	0.88	974.2	569.8	58.5	85.8	0.76	0.76
NP-40	62.11	1035.0	114.8	264.4	249.9	10.44	10.05	0.85	1020.8	570.5	55.9	85.2	0.76	0.76
NP+50*	62.44	1025.0	114.7	256.1	241.2	10.78	10.41	0.83	1048.6	567.9	54.2	84.8	0.76	0.76
NP-60	62.54	1015.0	114.7	248.5	232.9	11.09	10.75	0.81	1074.1	563.3	52.4	84.4	0.76	0.76
MT	62.54	1014.7	114.7	248.3	232.6	11.10	10.76	0.81	1074.9	563.1	52.4	84.4	0.76	0.76
BDT	62.54	1014.7	114.7	248.3	232.6	11.10	10.76	0.81	1074.9	563.1	52.4	84.4	0.76	0.76
NP-80	62.20	995.0	114.6	235.0	217.6	11.67	11.37	0.78	1119.1	549.2	49.1	83.7	0.74	0.74
NP-100	61.45	975.0	114.5	223.3	203.8	12.20	11.95	0.74	1157.4	531.7	45.9	82.9	0.71	0.71
NP-200	55.78	875.0	114.9	185.3	152.5	14.34	14.27	0.62	1303.1	433.1	33.2	79.1	0.58	0.58
NP-300	48.09	775.0	114.7	165.1	117.9	15.68	15.72	0.53	1365.2	330.7	24.2	75.9	0.44	0.44
NP-400	41.63	675.0	114.5	156.3	95.5	16.59	16.72	0.48	1396.2	249.4	17.9	73.5	0.33	0.33
HS	37.38	600.0	114.7	155.7	84.6	17.13	17.31	0.47	1418.2	199.0	14.0	72.2	0.27	0.27
PUT	11.19	32.4	114.7	192.0	80.1	18.42	18.86	0.55	1452.4	3.2	0.2	68.7	0.00	0.00
LR	11.34	0.0	114.7	192.3	80.4	18.41	18.85	0.55	1449.3	0.0	0.0	68.6	0.00	0.00

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

TRACKING #: 10048279
 SBU: Heating & Air Cond
 ENGINEER: JAMES PENG
 TECHNICIAN: TODD
 TORQUE CELL: 350-2 inlb
 NP RPM: 1075
 # SPEEDS: 4
 MOTOR #: 1
 COMMENT 2:

CUSTOMER: DISTRIBUTION SERVICES
 MODEL: 0600522B
 FRAME: 48
 PHASES: 1
 VOLTS: 115.0
 HERTZ: 60
 RUN CAP: 7.50
 COMMENT 1:
 COMMENT 3:

DESCRIPTION: SYNC-0
 TYPE: PSC
 BENCH: 2
 HP: 0.50
 ROTATION: CCW
 BDT: 43.72
 LRA: 12.23
 LRT: 7.21
 COMMENT 4:

Resistance: Start Main1 Friction: -2.6351 ozft @ 200 RPM
 03-02 01-02 Friction + Wind: -2.8141 ozft @ 1080 RPM
 Inertia: 0.0372 ozft

Spec Before 40.954 2.564 @23.2 °C
 After 41.264 2.613 @23.5 °C

Down Test Results (Torque In ozft):

% Load	Torque	RPM	VLine	VCap	VStart	Iline	IMain	Istart	WLine	WOut	% Eff	% PF	HP
NL	0.00	1193.5	114.7	393.6	363.1	1.76	1.87	1.13	121.8	0.0	0.0	60.3	0.00
NP+100	10.82	1175.0	114.4	368.9	343.9	2.37	2.06	1.05	216.1	112.8	52.2	79.7	0.15
NP+80	20.06	1155.0	114.3	342.4	322.7	3.15	2.64	0.97	311.7	205.6	66.0	86.6	0.28
NP+60	27.20	1135.0	114.2	318.2	302.8	3.91	3.36	0.91	395.3	274.0	69.3	88.5	0.37
NP+50*	30.11	1125.0	114.2	306.8	293.3	4.27	3.72	0.88	432.5	300.6	69.5	88.7	0.40
NP+40	32.67	1115.0	114.3	296.1	284.2	4.61	4.08	0.85	468.1	323.3	69.1	88.8	0.43
NP+25*	36.02	1100.0	114.5	281.0	271.3	5.11	4.61	0.81	518.3	351.6	67.8	88.6	0.47
NP+20	36.97	1095.0	114.5	276.1	267.1	5.27	4.77	0.80	533.7	359.2	67.3	88.4	0.48
NP	40.06	1075.0	114.7	257.1	250.2	5.88	5.42	0.76	591.8	382.2	64.6	87.7	0.51
NP-20	42.16	1055.0	114.8	240.0	234.5	6.44	6.01	0.71	642.0	394.7	61.5	86.8	0.53
NP+25*	42.52	1050.0	114.8	236.1	230.8	6.56	6.15	0.70	652.8	396.2	60.7	86.7	0.53
NP-40	43.28	1035.0	114.7	224.9	220.0	6.91	6.54	0.67	682.3	397.5	58.3	86.1	0.53
NP+50*	43.56	1025.0	114.7	217.8	213.1	7.13	6.78	0.66	699.6	396.2	56.6	85.5	0.53
NP-60	43.68	1015.0	114.6	211.2	206.4	7.33	7.00	0.64	715.4	393.4	55.0	85.2	0.53
BDT	43.72	1001.6	114.6	202.9	197.9	7.60	7.29	0.62	735.3	388.6	52.8	84.4	0.52
MT	43.72	1001.6	114.6	202.9	197.9	7.60	7.29	0.62	735.3	388.6	52.8	84.4	0.52
NP-80	43.71	995.0	114.6	199.2	194.0	7.72	7.43	0.61	744.8	385.9	51.8	84.2	0.52
NP-100	43.51	975.0	114.7	188.9	182.8	8.08	7.83	0.58	771.6	376.5	48.8	83.3	0.50
NP-200	39.74	875.0	114.7	153.2	137.7	9.43	9.32	0.48	857.0	308.6	36.0	79.2	0.41
NP-300	34.89	775.0	114.7	138.0	108.2	10.34	10.34	0.42	903.8	240.0	26.5	76.2	0.32
NP-400	30.12	675.0	114.7	133.1	88.0	10.98	11.05	0.39	930.3	180.4	19.4	73.9	0.24
HS	26.52	600.0	114.8	133.1	76.6	11.33	11.45	0.39	942.4	141.2	15.0	72.5	0.19
LR	7.21	0.0	114.7	162.8	54.3	12.23	12.56	0.46	963.9	0.0	0.0	68.7	0.00
PUT	7.21	0.0	114.7	162.8	54.3	12.23	12.56	0.46	963.9	0.0	0.0	68.7	0.00

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

TRACKING #: 10048279
 SBU: Heating & Air Cond
 ENGINEER: JAMES PENG
 TECHNICIAN: TODD
 TORQUE CELL: 350-2 inlb
 NP RPM: 1075
 # SPEEDS: 4
 MOTOR #: 1
 COMMENT 2:

CUSTOMER: DISTRIBUTION SERVICES
 MODEL: 0600522B
 FRAME: 48
 PHASES: 1
 VOLTS: 115.0
 HERTZ: 60
 RUN CAP: 7.50
 COMMENT 1:
 COMMENT 3:

DESCRIPTION: SYNC-0
 TYPE: PSC
 BENCH: 2
 HP: 0.50
 ROTATION: CCW
 BDT: 33.60
 LRA: 8.86
 LRT: 5.37
 COMMENT 4:

Resistance: Start Main1 Friction: -2.6351 ozft @ 200 RPM
 03-02 01-02 Friction + Wind: -2.8141 ozft @ 1080 RPM
 Inertia: 0.0372 ozft

Spec	10.00	0.00
Before	29.591	3.431 @23.8 °C
After	41.266	3.468 @23.8 °C

Down Test Results (Torque In ozft):

& Load	Torque	RPM	VLine	VCap	VStart	Iline	IMain	Istart	WLine	WOut	% Eff	% PF	HP
NL	0.00	1192.7	114.7	336.4	310.0	1.17	1.26	0.96	87.7	0.0	0.0	65.4	0.00
NP+100	8.09	1175.0	114.5	315.9	294.6	1.62	1.36	0.90	153.3	84.4	55.0	82.6	0.11
NP+80	14.92	1155.0	114.4	294.1	277.7	2.20	1.77	0.84	222.3	152.9	68.8	88.3	0.21
NP+60	20.23	1135.0	114.3	274.4	262.2	2.77	2.29	0.78	283.8	203.8	71.8	89.6	0.27
NP-50*	22.45	1125.0	114.4	265.2	254.9	3.03	2.55	0.76	312.0	224.1	71.8	90.0	0.30
NP+40	24.36	1115.0	114.3	256.2	247.6	3.29	2.81	0.73	338.0	241.0	71.3	89.9	0.32
NP-25*	26.77	1100.0	114.4	243.7	237.2	3.65	3.19	0.70	374.2	261.3	69.8	89.6	0.35
NP+20	27.49	1095.0	114.4	239.8	233.9	3.76	3.31	0.69	385.6	267.1	69.3	89.6	0.36
NP	29.92	1075.0	114.6	224.3	220.7	4.21	3.80	0.65	429.2	285.4	66.5	89.0	0.38
NP-20	31.68	1055.0	114.6	210.4	208.3	4.60	4.23	0.61	464.5	296.6	63.9	88.1	0.40
NP+25*	32.03	1050.0	114.7	207.3	205.4	4.70	4.34	0.60	472.7	298.4	63.1	87.7	0.40
NP-40	32.85	1035.0	114.9	198.5	197.2	4.97	4.63	0.58	496.9	301.7	60.7	87.0	0.40
NP+50*	33.22	1025.0	115.0	192.8	191.9	5.14	4.82	0.56	511.5	302.2	59.1	86.5	0.41
NP-60	33.44	1015.0	115.0	187.4	186.6	5.29	4.99	0.55	524.1	301.2	57.5	86.2	0.40
NP-80	33.59	995.0	114.9	177.4	176.6	5.58	5.31	0.52	546.0	296.6	54.3	85.2	0.40
BDT	33.60	990.7	114.9	175.4	174.5	5.64	5.38	0.52	550.3	295.4	53.7	84.9	0.40
MT	33.60	990.7	114.9	175.4	174.5	5.64	5.38	0.52	550.3	295.4	53.7	84.9	0.40
NP-100	33.54	975.0	114.8	168.5	167.3	5.84	5.60	0.50	564.8	290.2	51.4	84.2	0.39
NP-200	30.91	875.0	114.7	137.7	129.2	6.83	6.71	0.41	626.2	240.0	38.3	79.9	0.32
NP-300	27.22	775.0	114.8	124.6	103.0	7.49	7.47	0.36	661.9	187.2	28.3	77.0	0.25
NP-400	23.26	675.0	114.7	119.8	83.9	7.95	8.00	0.35	679.3	139.3	20.5	74.5	0.19
HS	20.50	600.0	114.8	119.4	72.8	8.20	8.29	0.34	687.8	109.2	15.9	73.1	0.15
LR	5.37	0.0	115.0	143.7	38.8	8.86	9.14	0.41	704.5	0.0	0.0	69.1	0.00
PUT	5.37	0.0	115.0	143.7	38.8	8.86	9.14	0.41	704.5	0.0	0.0	69.1	0.00

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

06-27-2006
01:13 pm

AO Smith

Performance Test Results For 0600522

(Low Speed)

TRACKING #: 10048279
 SBU: Heating & Air Cond
 ENGINEER: JAMES PENG
 TECHNICIAN: TODD
 TORQUE CELL: 350-2 inlb
 NP RPM: 1075
 # SPEEDS: 4
 MOTOR #: 1
 COMMENT 2:

CUSTOMER: DISTRIBUTION SERVICES
 MODEL: 0600522B
 FRAME: 48
 PHASES: 1
 VOLTS: 115.0
 HERTZ: 60
 RUN CAP: 7.50
 COMMENT 1:
 COMMENT 3:

DESCRIPTION: SYNC-0
 TYPE: PSC
 BENCH: 2
 HP: 0.50
 ROTATION: CCW
 BDT: 26.57
 LRA: 6.78
 LRT: 5.34
 COMMENT 4:

Resistance: Start Main1
 03-02 01-02
 10.00 0.00
 Before 41.024 4.385 @24.0 °C
 After 41.222 4.418 @24.1 °C

Friction: -2.6351 ozft @ 200 RPM
 Friction + Wind: -2.8141 ozft @ 1080 RPM
 Inertia: 0.0372 ozft

Down Test Results (Torque In ozft):

% Load	Torque	RPM	VLine	Vcap	Vstart	Iline	IMain	Istart	WLine	Wout	% Eff	% PF	HP
NL	0.00	1192.1	114.6	290.9	268.2	0.84	0.96	0.83	65.3	0.0	0.0	67.8	0.00
NP+100	6.31	1175.0	114.6	274.3	256.3	1.21	0.99	0.78	116.2	65.8	56.6	83.8	0.09
NP+80	11.50	1155.0	114.5	256.5	243.2	1.64	1.27	0.73	167.4	117.9	70.4	89.1	0.16
NP+60	15.63	1135.0	114.4	240.2	230.8	2.06	1.65	0.68	213.1	157.4	73.9	90.4	0.21
NP+50*	17.33	1125.0	114.4	232.4	224.7	2.26	1.84	0.66	234.4	173.0	73.8	90.7	0.23
NP+40	18.83	1115.0	114.3	224.9	218.9	2.45	2.04	0.64	253.9	186.3	73.4	90.7	0.25
NP+25*	20.66	1100.0	114.2	214.3	210.2	2.72	2.32	0.61	281.0	201.7	71.8	90.5	0.27
NP+20	21.19	1095.0	114.2	210.9	207.5	2.81	2.41	0.60	289.5	205.9	71.1	90.2	0.28
NP	23.12	1075.0	114.4	198.2	196.8	3.15	2.78	0.57	322.9	220.6	68.3	89.6	0.30
NP-20	24.63	1055.0	114.7	186.9	187.0	3.47	3.13	0.54	353.0	230.6	65.3	88.7	0.31
NP+25*	24.92	1050.0	114.7	184.3	184.7	3.54	3.21	0.53	359.8	232.2	64.5	88.6	0.31
NP-40	25.67	1035.0	114.9	177.0	178.1	3.75	3.44	0.51	378.9	235.8	62.2	87.9	0.32
NP+50*	26.01	1025.0	115.0	172.3	173.7	3.88	3.58	0.50	389.9	236.6	60.7	87.4	0.32
NP-60	26.26	1015.0	115.0	167.8	169.4	3.99	3.71	0.48	399.8	236.5	59.2	87.1	0.32
NP-80	26.52	995.0	114.9	159.4	161.1	4.21	3.96	0.46	417.3	234.2	56.1	86.3	0.31
BDT	26.57	978.2	114.9	153.1	154.5	4.38	4.15	0.45	429.6	230.6	53.7	85.4	0.31
MT	26.57	978.2	114.9	153.1	154.5	4.38	4.15	0.45	429.6	230.6	53.7	85.4	0.31
NP-100	26.57	975.0	114.9	152.0	153.3	4.41	4.19	0.44	431.8	229.9	53.2	85.2	0.31
NP-200	24.83	875.0	114.8	126.3	121.5	5.19	5.09	0.37	483.4	192.8	39.9	81.1	0.26
NP-300	21.63	775.0	114.7	114.1	98.4	5.71	5.68	0.33	509.2	148.8	29.2	77.7	0.20
NP-400	18.51	675.0	114.7	109.5	81.1	6.06	6.09	0.32	522.9	110.9	21.2	75.2	0.15
HS	16.35	600.0	114.8	108.9	71.0	6.26	6.33	0.31	529.9	87.1	16.4	73.7	0.12
LR	5.34	0.0	114.7	128.8	30.7	6.78	7.01	0.37	542.3	0.0	0.0	69.7	0.00
PUT	5.34	0.0	114.7	128.8	30.7	6.78	7.01	0.37	542.3	0.0	0.0	69.7	0.00

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

TRACKING #: 10048279
 SBU: Heating & Air Cond
 ENGINEER: JAMES PENG
 TECHNICIAN: TODD
 TORQUE CELL: 350-2 inlb
 NP RPM: 1075
 # SPEEDS: 4
 MOTOR #: 1
 COMMENT 2:

CUSTOMER: DISTRIBUTION SERVICES
 MODEL: 0600522B
 FRAME: 48
 PHASES: 1
 VOLTS: 115.0
 HERTZ: 60
 RUN CAP: 7.50
 COMMENT 1:
 COMMENT 3:

DESCRIPTION: IDLE
 TYPE: PSC
 BENCH: 2
 HP: 0.50
 ROTATION: CCW
 BDT: 0.00
 LRA: 0.00
 LRT: 0.00
 COMMENT 4:

Resistance:

	Start	Main1
Spec	03-02	01-02
Results	10.00	0.00
	40.605	1.785
		@22.7 °C

VLine	VStart	VCap	Iline	IMain	IStart	WLine	TC01	TC02	TC03	TC04	Time
114.8	420.1	456.0	3.54	3.75	1.31	178.3	OPEN	OPEN	OPEN	OPEN	12:57:34 pm



Specification & Rating Report

Item Number: **754A**

Specification Number: **1**

Model Number: **F48Z12A01**

Carton Label Model
Number:

Customer Model
Number:

Sample Number:

Customer Specification
Number:

Catalog Number: **754A**

Agency Type:

CE: **N**

CSA: **Y**

UL: **Y**

CE Number:

CSA Number: **NO**

UL Number: **NO**

UL Explosion Proof Rating:

Cubic Feet Per Minute:

F2 Assembly:

UPC Model Number: **786674010681**

UPC Catalog Number: **786674010681**

Nameplate Drive
Bearing Type:

Nameplate Opposite
Drive Bearing Type:

Label Drive Bearing **BALL**
Type:

Label Opposite Drive **BALL**
Bearing Type:

Capacitor:

Capacitor Rating MFD: **7.5**

Capacitor Included: **N**

Capacitor Rating VAC: **370**

Control Code:

DC Design Number:

Form Factor:

Design Status:

Features:

Connection Diagram:

Lubrication Label
Diagram:

Outline Diagram: **754A-S01**

Installation Diagram:

Warning Label
Diagram:

Outline Graphic:

Ambient Temperature: **40**

Insulation Class: **B**



Specification & Rating Report

<p>Protector: AUTOMATIC</p> <p>Nameplate Overload:</p> <p style="padding-left: 20px;">IP Code:</p> <p>Nameplate Enclosure: OAO</p> <p style="padding-left: 20px;">Frame Length: 4.875</p> <p style="padding-left: 20px;">Frame Diameter: 5.7</p> <p style="padding-left: 40px;">Frame Size: 48</p> <p style="padding-left: 20px;">Frame Material: ROLLED STEEL</p> <p>Operator Instruction Manual:</p> <p>Nameplate Mounting:</p> <p style="padding-left: 20px;">Base Height:</p> <p style="padding-left: 20px;">Ring Diameter:</p> <p style="padding-left: 40px;">Nameplate:</p> <p>Nameplate Location Format:</p> <p style="padding-left: 20px;">Brake:</p> <p>Layer Quantity:</p> <p style="padding-left: 20px;">Phase: 1</p> <p style="padding-left: 20px;">DC Pole:</p> <p style="padding-left: 40px;">Poles: 6</p> <p style="padding-left: 40px;">Speeds: 4</p> <p style="padding-left: 20px;">Duty: AIR OVER</p> <p>Shaft Diameter: 1/2</p> <p>Shaft Extension: 5.5</p> <p>Shaft Material:</p> <p style="padding-left: 20px;">Shaft Type: FLAT</p> <p>Motor Type: UF</p> <p>Motor Use:</p> <p>Nameplate 1:</p> <p>Nameplate 2:</p> <p>Nameplate Text 1:</p>	<p>Thermal Protection:</p> <p>Label Overload:</p> <p>Label Enclosure: OPEN</p> <p>Frame Length UOM: IN</p> <p>Frame Diameter UOM: IN</p> <p>End Frame Material:</p> <p>Label Mounting: FLEX ARMS</p> <p>Base Height UOM:</p> <p>RingDiameterUOM:</p> <p>Carton Label:</p> <p>Tachometer:</p> <p>Pallet Quantity:</p> <p>CurrentType:</p> <p>Shaft Diameter UOM: IN</p> <p>Shaft Extension UOM: IN</p> <p>Rotation: REVERSIBLE</p>
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Specification & Rating Report

Nameplate Text 2:

Nameplate Text 3:

Nameplate Text 4:

Label Text 1:

Label Text 2:

Label Text 3:

Label Text 4:

Brand Line:

Vendor Line:

Motor Weight:

Motor Weight UOM:

Shipping Weight:

Shipping Weight UOM:

Armature Field
Winding:

Core Length: **2.5**

Core Length UOM:

Winding Code:

Winding Specification:

Nameplate Only
Instructions:

Nameplate & Label
Instructions:

Label Only
Instructions:



Specification & Rating Report

Rating Number: **1**

Horsepower: **1/2,1/3,1/4,1/6**

Volts: **115**

Hertz: **60**

Field Current:

Revolutions Per **1075/4 SPD.**

Minute:

Service Factor: **1.0**

Service Factor Amps:

NEMA Code:

NEMA Design:

Customer Nameplate Number:

Kilowatts:

Amps: **8.9, 5.9, 4.2, 3.2**

Maximum Amps:

Armature Current:

Power Factor:

Service Factor Volts:

NEMA Nominal Efficiency:

NEMA Guaranteed Efficiency: