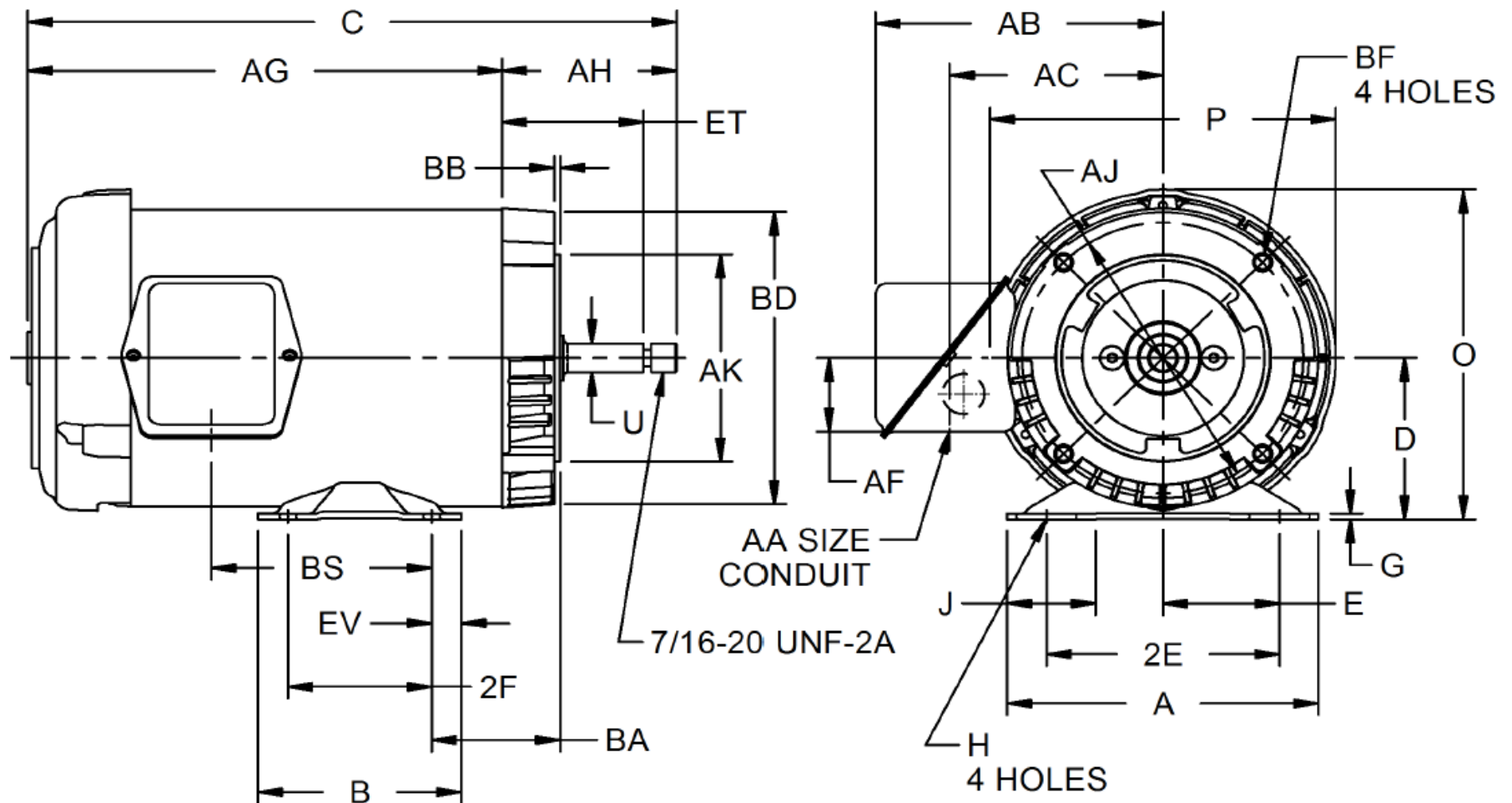


Dimensional Drawing

21XU04A

REV.
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ALL DIMENSIONS ARE IN INCHES AND MILLIMETERS

UNITS	A	B	C	D -.06	E	2E ±.03	2F ±.03	G	H +.005	J	O	P	U -.0005
IN	6.50	4.25	13.56	3.50	2.44	4.88	3.00	.13	.34 x 1.25	1.84	7.16	7.28	.6250
MM	165	108	344	89	62	124	76	3		47	182	185	15.875

UNITS	AA	AB	AC	AF	AG	AH	AJ	AK -.003
IN	.75	6.13	4.53	1.59	11.00	2.56	5.875	4.500
MM	19	156	115	40	279	65	149.23	114.30

UNITS	BA	BB MIN	BD MAX	BF ³	BS	ET ±.015	EV	SQ KEY
IN	2.56	.13	6.50	.375-16 x .75	4.78	1.875	.63	.188
MM	65	3	165		121	47.62	16	4.78

- 1: DIMENSIONS MAY VARY BY .25" DUE TO CASTING AND/OR FABRICATION VARIATIONS.
- 2: LARGEST MOTOR WIDTH.
- 3: ALL TAPPED HOLES ARE UNIFIED NATIONAL COARSE, RIGHT HAND THREAD.
- 4: TAP SIZE AND BOLT PENETRATION ALLOWANCE.
- 5: BASIC CONDUIT FITTING SIZE. HOLE OPENING ON THE SIDE OF THE CONDUIT BOX (REPRESENTED BY A DASHED CIRCLE) WILL ACCEPT A .50 BASIC CONDUIT FITTING.
- 6: THE CONDUIT BOX MAY BE LOCATED ON EITHER SIDE OF THE MOTOR. THE CONDUIT OPENING(S) MAY BE LOCATED IN STEPS OF 180 DEGREES REGARDLESS OF LOCATION. STANDARD LOCATION IS SHOWN WITH THE CONDUIT OPENING DOWN.
- 7: TOLERANCES SHOWN ARE IN INCHES ONLY.

DRAWING NO.	PAGE 1 of 1	REV.
	21XU04A	-

Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA

Performance Data



21XU04A

REV.
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MOTOR PERFORMANCE

MODEL NO.	CATALOG NO.	PHASE	TYPE	FRAME
21XU04A	NA	3	UTE	56J

ORDER NO.	24976	LINE NO.
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MPI:	230404	230405	230406	230407	230408
HP:	2	2	2	2	2
POLES:	2	2	2	2	2
VOLTS:	460	230	208	380	190
HZ:	60	60	60	50	50
SERVICE FACTOR:	1.15	1.15	1.15	1	1
EFFICIENCY (%):					
S.F.	86.1	86.1	84		
FULL	86.5	86.5	85.5	83.7	83.7
3/4	87.3	87.3	86.9	86.2	86.2
1/2	85.6	85.6	86.2	86.3	86.3
1/4	78.4	78.4	80.1	81.2	81.2
POWER FACTOR (%):					
S.F.	89.8	89.8	91.1		
FULL	88.4	88.4	90.3	90.8	90.8
3/4	84.1	84.1	87.5	87.7	87.7
1/2	75	75	80.4	80.3	80.3
1/4	54.6	54.6	61.7	60.7	60.7
NO LOAD	11.9	11.9	13.1	11.6	11.6
LOCKED ROTOR	67.4	67.4	66.2	72.5	72.5
AMPS:					
S.F.	2.8	5.6	6.2		
FULL	2.4	4.9	5.4	3	6
3/4	1.9	3.8	4.1	2.2	4.5
1/2	1.5	2.9	3	1.6	3.3
1/4	1.1	2.2	2.1	1.2	2.3
NO LOAD	0.9	1.9	1.7	0.9	1.9
LOCKED ROTOR	24.6	49	44	21.9	44
NEMA CODE LETTER	L	L	J	J	J
NEMA DESIGN LETTER	B	B	B	B	B
FULL LOAD RPM	3500	3500	3470	2860	2860
NEMA NOMINAL / EFFICIENCY (%)	86.5	86.5	85.5	84.1	84.1
GUARANTEED EFFICIENCY (%)	84	84	82.5	81.5	81.5
MAX KVAR	0.6	0.6	0.5	0.5	0.5
AMBIENT (°C)	50	50	50	50	50
ALTITUDE (FASL)	3300	3300	3300	3300	3300
SAFE STALL TIME-HOT (SEC)	8	8	11	10	10
SOUND PRESSURE (DBA @ 1M)	0	0	0	0	0
TORQUES:					
BREAKDOWN[% F.L.]	432	432	346	326	326
LOCKED ROTOR[% F.L.]	334	334	263	263	263
FULL LOAD{LB-FT}	3	3	3	3.7	3.7

NEMA Nominal and Guaranteed Efficiencies are up to 3,300 feet above sea level and 25 ° C ambient

The Above Data Is Typical, Sinewave Power Unless Noted Otherwise

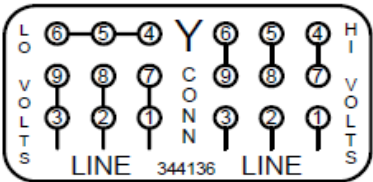
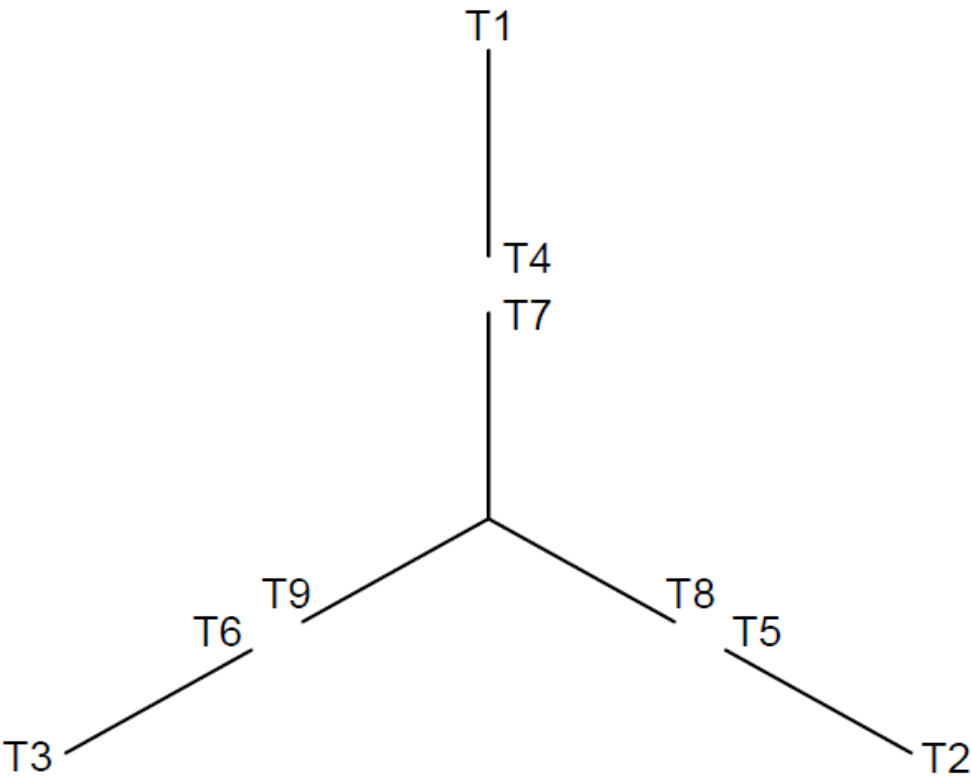
DRAWING NO.	PAGE 1 of 1	REV.
21XU04A		-

Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA

21XU04A

REV.
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Motor Wiring Diagram
9 Lead, Dual Voltage (WYE Conn.)



Dayton®Part
No. **21XU04A****JET PUMP
MOTOR**

CC 030A

NEMA
Premium™SHAFT
END BRG **6205-2Z-J/C3**OPP
END BRG **6203-2Z-J/C3**FR **56J**TYPE **UTE**ENCL **TEFC**PH **3** MAX
AMB **50 °C** ID#INSUL
CLASS **F** DUTY **CONT** WT **30 LB** BALHZ **60** HP **2** RPM **3500**SF **1.15** DESIGN **B** CODE **L**GUARANTEED
EFFICIENCY **84.0** MAX
KVAR **.6**NEMA NOM
EFFICIENCY **86.5** NOM
PF **88.4**VOLTS **208-230/460**FL AMPS **5.4-4.9/2.4**SF AMPS **5.6/2.8**HZ **50** HP **2** RPM **2860**SF **1.0** DESIGN **B** CODE **J**GUARANTEED
EFFICIENCY **81.5** MAX
KVAR **.5**NEMA NOM
EFFICIENCY **84.1** NOM
PF **90.8**VOLTS **190/380**FL AMPS **6.0/3.0**

SF AMPS

2056640-007 MADE IN MEXICO OF IMPORTED AND DOMESTIC COMPONENTS**Mfd. for Dayton Electric Mfg. Co.
Lake Forest, IL 60045 USA****ENERGY**
PA®
US
E47479**CSA**®
258525