CFP7E CONNECTION INFORMATION	
SAE #3	FLYWHEEL HOUSING
1/2" NPT	FUEL INLET
3/8" NPT	FUEL OUTLET
3/4" NPT	RAW WATER INLET
1" NPT	RAW WATER DISCHARGE
120 / 240 VAC	COOLANT HEATER (1500WATTS)
3" DIA NPT, CUFF, OR FLANGE	EXHAUST CONNECTION
1/2" NPT	VSPLC CONNECTION

NOTES:
1. ALL PLUMBING MUST BE SUPPORTED AND/OR ISOLATED SO THAT NO WEIGHT OR STRESS IS APPLIED TO ANY ENGINE COMPONENT.
2. REFER TO ENGINE DATA SHEET FOR CUSTOMER CONNECTION RECOMMENDATIONS.
3. DRAWING SUBJECT TO CHANGE WITHOUT NOTICE.

LEGEND AND DATUM IDENTIFIER	
SHEET 1	INSTALLATION DRAWING
SHEET 2	GENERAL ARRANGEMENT - HORIZONTAL SPLIT CASE PUMP BASE OPTION
SHEET 3	GENERAL ARRANGEMENT - VERTICAL TURBINE PUMP BASE OPTION
SHEET 4	DRIVE LINE OPTIONS
DATUM "A"	FACE OF FLYWHEEL HOUSING
DATUM "B"	REAR LEG BOLT LOCATION
DATUM "C"	FLYWHEEL MOUNTING SURFACE
DATUM "D"	U-JOINT ADAPTER MOUNTING SURFACE
DATUM "EOS"	END OF PUMP SHAFT

DETAIL A
SCALE 0.250

DETAIL B
SCALE 0.250

DETAIL C
SCALE 0.250

DETAIL D
SCALE 0.250

REV	ECO	DESCRIPTION OF REVISION	REV BY	DATE

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UNLESS OTHERWISE SPECIFIED ALL DIMENSION TOLERANCES ARE
ANGULAR DIMENSIONS: ± 1°
THIRD ANGLE PROJECTION

MACHINED SURFACES	IMPERIAL UNITS	METRIC UNITS
	MACH. TOLERANCE (IN.)	MACH. TOLERANCE (MM.)
	.XX ±0.030	.X ±0.8
	.XXX ±0.010	.XX ±0.25
	.XXXX ±0.005	.XXX ±0.127
	FOR PLACING DIMENSIONS	FOR PLACING DIMENSIONS
	.XX ±0.030	.X ±0.8
	.XXX ±0.010	.XX ±0.25
	.XXXX ±0.005	.XXX ±0.127

125

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CORPORATE OFFICE
1600 BUERKLE ROAD
WHITE BEAR LAKE, MN
WWW.CUMMINSFIREPOWER.COM

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875 LAWRENCE DRIVE
DEPERE, WISCONSIN

GENERAL ARRANGEMENT
CFP7E-F10/20/30/40/50/60

DWG UNITS: IN/LB/S
DRAWN BY: PBS
PRO-ENGINEER
DATE: 09JAN2017
INIT ECO: 2016-668
SCALE: 0.125
EST WEIGHT:
SHEET 1 OF 5
DRAWING NO: A042J656

LEGEND AND DATUM IDENTIFIER	
SHEET 1	INSTALLATION DRAWING
SHEET 2	GENERAL ARRANGEMENT - HORIZONTAL SPLIT CASE PUMP BASE OPTION
SHEET 3	GENERAL ARRANGEMENT - VERTICAL TURBINE PUMP BASE OPTION
SHEET 4	DRIVE LINE OPTIONS
DATUM "A"	FACE OF FLYWHEEL HOUSING
DATUM "B"	REAR LEG BOLT LOCATION
DATUM "C"	FLYWHEEL MOUNTING SURFACE
DATUM "D"	U-JOINT ADAPTER MOUNTING SURFACE
DATUM "EOS"	END OF PUMP SHAFT

NOTES:
1. RISER HEIGHT VARIES TO ACCOMMODATE CUSTOMER SUPPLIED PUMPS
2. REFERENCE OWNERS MANUAL FOR DRIVE SHAFT ALIGNMENT SPECS
3. DRAWING SUBJECT TO CHANGE WITHOUT NOTICE.
4. REFERENCE SHEET 1 FOR BASE FIRE PUMP INTERFACE

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ANGULAR DIMENSIONS: ± 1°	MACHINED SURFACES	IMPERIAL UNITS	METRIC UNITS
THIRD ANGLE PROJECTION	125	DECIMAL TOLERANCE .XX ± 0.030 .XXX ± 0.010 .XXXX ± 0.005 FRACTION TOLERANCE ± 1/32	DECIMAL TOLERANCE .X ± 0.8 .XX ± 0.25 .XXX ± 0.13 FRACTION TOLERANCE ± 0.8

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CORPORATE OFFICE
1600 BUERKLE ROAD
WHITE BEAR LAKE, MN
WWW.CUMMINSFIREPOWER.COM

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GENERAL ARRANGEMENT
CFP7E-F10/20/30/40/50/60

DWG UNITS: IN/LB/S
DRAWN BY: PBS
DATE: 09JAN2017
PRO-ENGINEER
INIT ECO: 2016-668
SCALE: 0.125
SHEET 2 OF 5
DRAWING NO: A042J656
EST WEIGHT:

LEGEND AND DATUM IDENTIFIER	
SHEET 1	INSTALLATION DRAWING
SHEET 2	GENERAL ARRANGEMENT - HORIZONTAL SPLIT CASE PUMP BASE OPTION
SHEET 3	GENERAL ARRANGEMENT - VERTICAL TURBINE PUMP BASE OPTION
SHEET 4	DRIVE LINE OPTIONS
DATUM "A"	FACE OF FLYWHEEL HOUSING
DATUM "B"	REAR LEG BOLT LOCATION
DATUM "C"	FLYWHEEL MOUNTING SURFACE
DATUM "D"	U-JOINT ADAPTER MOUNTING SURFACE
DATUM "EOS"	END OF PUMP SHAFT

NOTES:
1. TORSIONAL ANALYSIS IS REQUIRED FOR VERTICAL TURBINE INSTALLATION
2. REFERENCE OWNERS MANUAL FOR DRIVE SHAFT ALIGNMENT SPECS
3. DRAWING SUBJECT TO CHANGE WITHOUT NOTICE.
4. REFERENCE SHEET 1 FOR BASE FIRE PUMP INTERFACE

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1400 BUERKLE ROAD
WHITE BEAR LAKE, MN
WWW.CUMMINSFIREPOWER.COM

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AND UPFIT CENTER
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GENERAL ARRANGEMENT
CFPTE-F10/20/30/40/50/60

UNLESS OTHERWISE SPECIFIED ALL DIMENSION TOLERANCES ARE
ANGULAR DIMENSIONS ± 1°
THIRD ANGLE PROJECTION

MACHINED SURFACES	IMPERIAL UNITS	METRIC UNITS
125	MAJOR TOLERANCE ±0.030	MAJOR TOLERANCE ±0.762
	MIN TOLERANCE ±0.010	MIN TOLERANCE ±0.254
	FOR THICKNESS ±0.030	FOR THICKNESS ±0.762

DWG UNITS: IN/LB/S
DRAWN BY: PBS
DATE: 09JAN2017
PRO-ENGINEER
INIT ECO: 2016-668
SCALE: 0.125
EST WEIGHT:
SHEET 3 OF 5
DRAWING NO: A042J656

LEGEND AND DATUM IDENTIFIER	
SHEET 1	INSTALLATION DRAWING
SHEET 2	GENERAL ARRANGEMENT - HORIZONTAL SPLIT CASE PUMP BASE OPTION
SHEET 3	GENERAL ARRANGEMENT - VERTICAL TURBINE PUMP BASE OPTION
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DATUM "A"	FACE OF FLYWHEEL HOUSING
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DATUM "C"	FLYWHEEL MOUNTING SURFACE
DATUM "D"	U-JOINT ADAPTER MOUNTING SURFACE
DATUM "EOS"	END OF PUMP SHAFT

CFP DRIVE SHAFT MATRIX						
ENGINE MODELS	CFP F-RATING WITH MULTIPLE SHAFTS					
	RPM 1470	RPM 1760	RPM 1900	RPM 2100	RPM 2350	RPM 2600
CPF7E-F10	1610 SHAFT	1610 SHAFT	1610 SHAFT	1610 SHAFT	1610 SHAFT	1610 SHAFT
CPF7E-F20	1610 SHAFT	1610 SHAFT	1610 SHAFT	1610 SHAFT	1610 SHAFT	1610 SHAFT
CPF7E-F30	1610 SHAFT	1610 SHAFT	1610 SHAFT	1610 SHAFT	1610 SHAFT	1610 SHAFT
CPF7E-F40	1710 SHAFT	1710 SHAFT	1610 SHAFT	1610 SHAFT	1610 SHAFT	1610 SHAFT
CPF7E-F50	1710 SHAFT	1710 SHAFT	1610 SHAFT	1610 SHAFT	1610 SHAFT	1610 SHAFT
CPF7E-F60	1710 SHAFT	1710 SHAFT	1710 SHAFT	1610 SHAFT	1610 SHAFT	1610 SHAFT

NOTES:
1. TORSIONAL ANALYSIS IS REQUIRED FOR VERTICAL TURBINE INSTALLATION
2. REFERENCE OWNERS MANUAL FOR DRIVE SHAFT ALIGNMENT SPECS
3. DRAWING SUBJECT TO CHANGE WITHOUT NOTICE.
4. REFERENCE SHEET 1 FOR BASE FIRE PUMP INTERFACE

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ANGULAR DIMENSIONS ± 1°	MACHINED SURFACES	IMPERIAL UNITS	METRIC UNITS
THIRD ANGLE PROJECTION	125	INCH TOLERANCE (X) ±0.030 (X.X) ±0.010 (X.XX) ±0.005 (X.XXX) ±0.002	MILLIMETER TOLERANCE (X) ±0.5 (X.X) ±0.25 (X.XX) ±0.13

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CUMMINS FIRE POWER LLC
CORPORATE OFFICE
1600 BUERKLE ROAD
WHITE BEAR LAKE, MN
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GENERAL ARRANGEMENT
CFPTE-F10/20/30/40/50/60

DWG UNITS: IN/LB/S	DRAWN BY: PBS	DATE: 09JAN2017
	PRO-ENGINEER	INIT ECO: 2016-668
SCALE: 0.125	SHEET 4 OF 5	DRAWING NO: A042J656
EST WEIGHT: 42238.628		

NOTES:
1. CONTROL PANEL TERMINAL BLOCKS
   1, 2, 3, 4, 5, 9, 10, 301, 302, 303, 304, 310, 311, 312
2. BATTERY CHARGER CONNECTION BOX TERMINAL BLOCKS
   6, 8, 11

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UNLESS OTHERWISE SPECIFIED ALL DIMENSION TOLERANCES ARE

ANGULAR DIMENSIONS ± 1°	MACHINED SURFACES	IMPERIAL UNITS	METRIC UNITS
THIRD ANGLE PROJECTION	125	.XX ±0.030 .XXX ±0.010 .XXXX ±0.005	.X ±0.8 .XX ±0.25 .XXX ±0.127

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1600 BUERKLE ROAD
WHITE BEAR LAKE, MN
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DWG UNITS: IN/LB/S
DRAWN BY: PBS
PRO-ENGINEER
DATE: 09JAN2017
INIT ECO: 2016-668
SCALE: 0.188
EST WEIGHT:
SHEET 5 OF 5
DRAWING NO: A042J656