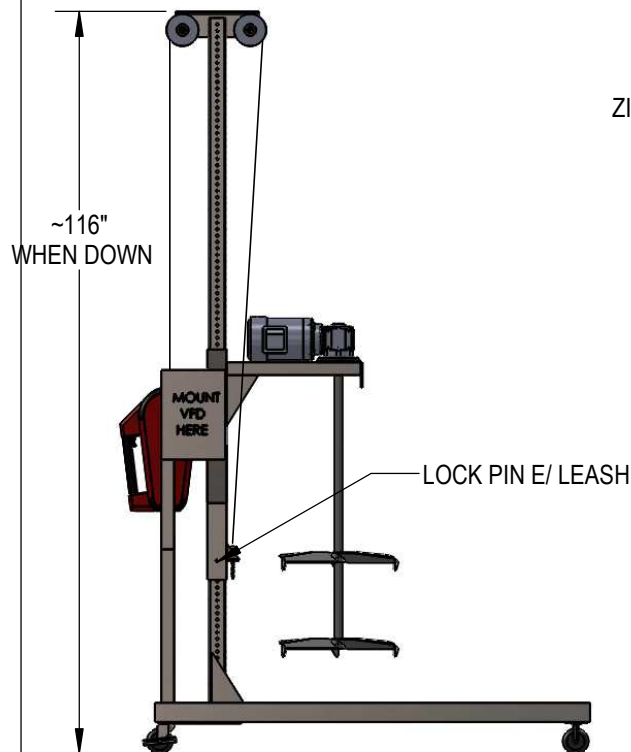


	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "E"
48X48 TANK	54"	54"	60"	73"	27"
36X48 TANK	42"	42"	48"	61"	21"

UTILITIES:

110V 1 PHASE (WINCH)

230V 3 PHASE (MIXER VFD)



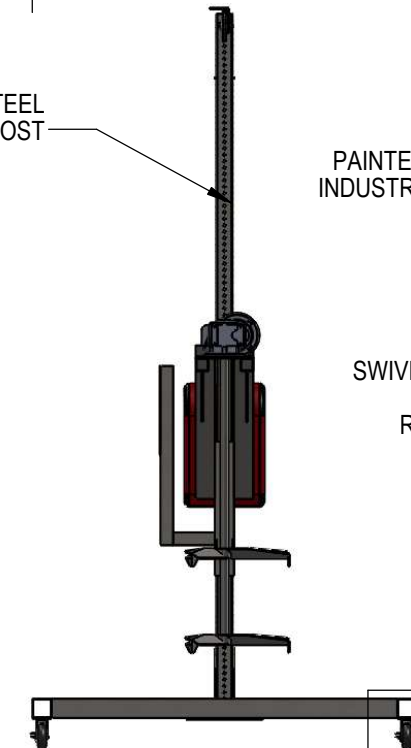
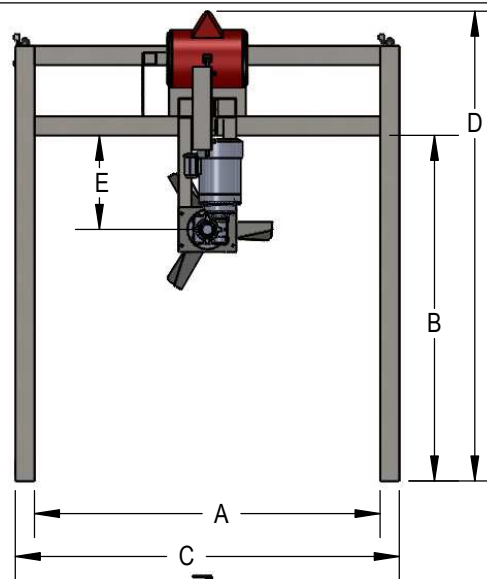
LEFT SIDE VIEW

ZINC COATED STEEL
CENTER POST

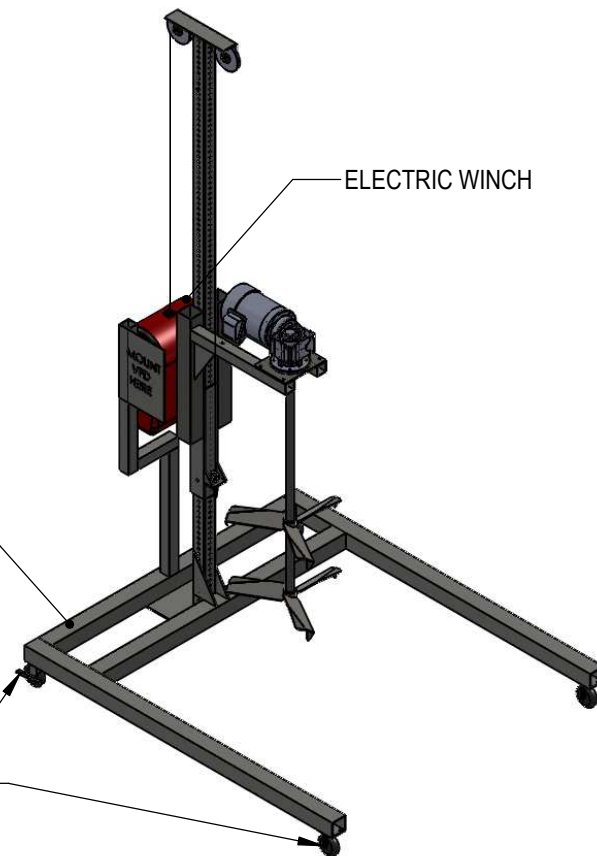
PAINTED STEEL -
INDUSTRIAL GREY

SWIVEL CASTER

RIGID CASTER



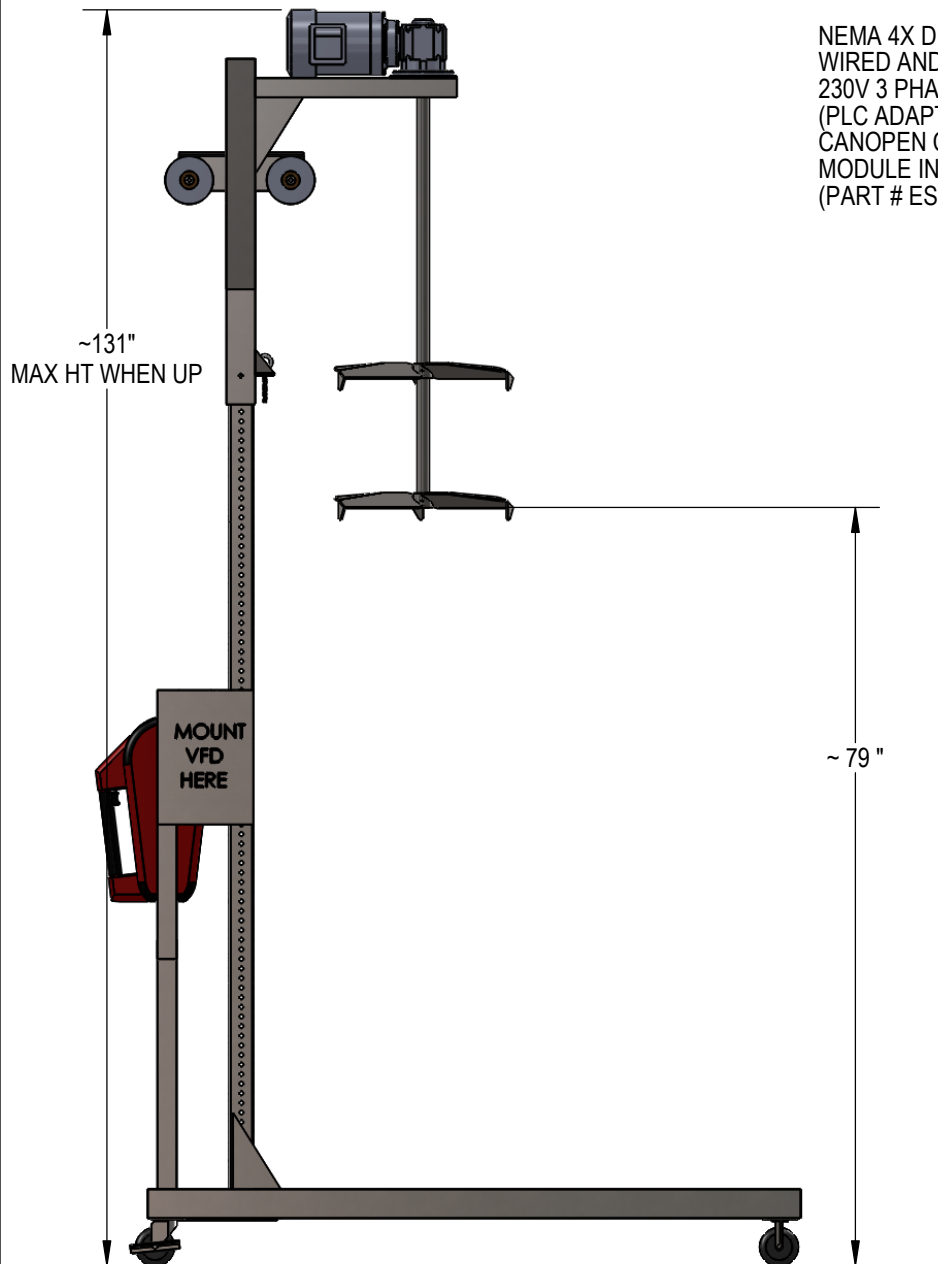
FRONT VIEW



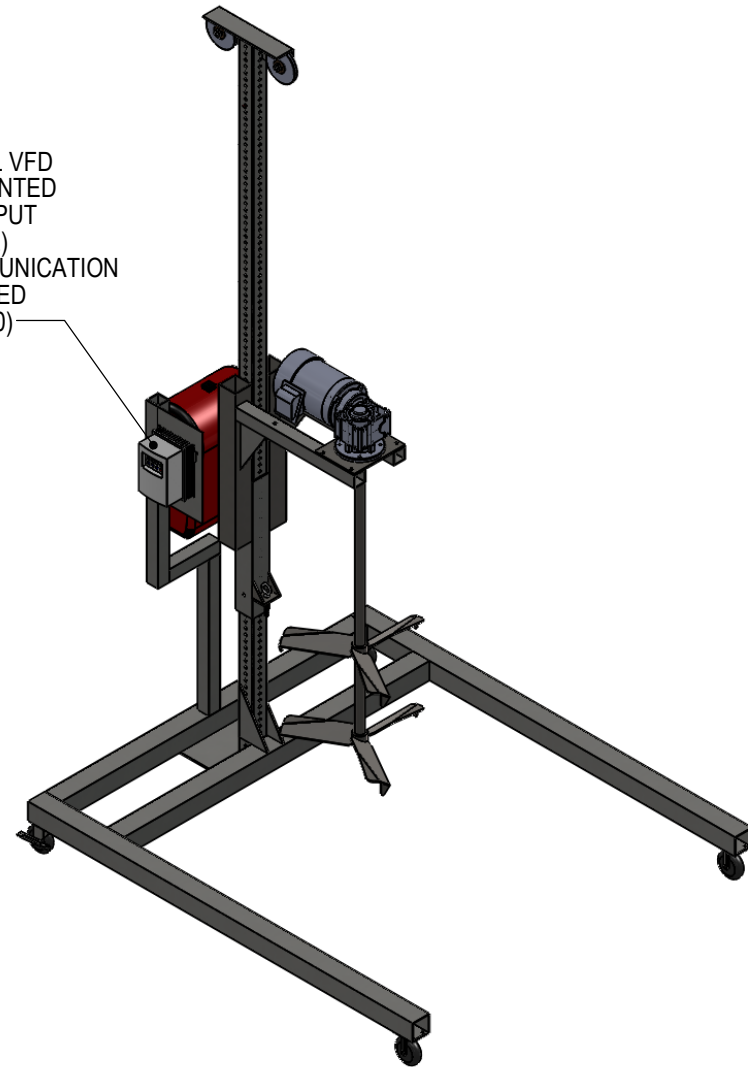
ISOMETRIC VIEW


UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: 1/16" ANGULAR: ± 2 DEG ONE PLACE DECIMAL ± .060" TWO PLACE DECIMAL ± .010" THREE PLACE DECIMAL ± .005" DO NOT SCALE DRAWING	DRAWN	NAME	DATE
	CHECKED	JDF	3/8/13
	TS	3/8/13	
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FUSION FLUID EQUIPMENT LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FUSION FLUID EQUIPMENT LLC IS PROHIBITED.			

			TITLE: CUSTOM PLATE MOUNT STAND W/ WINCH DWG	
SIZE	DWG. NO.	REV		
A	130290	B		
SCALE: 1:24		WEIGHT:	SHEET 1 OF 2	



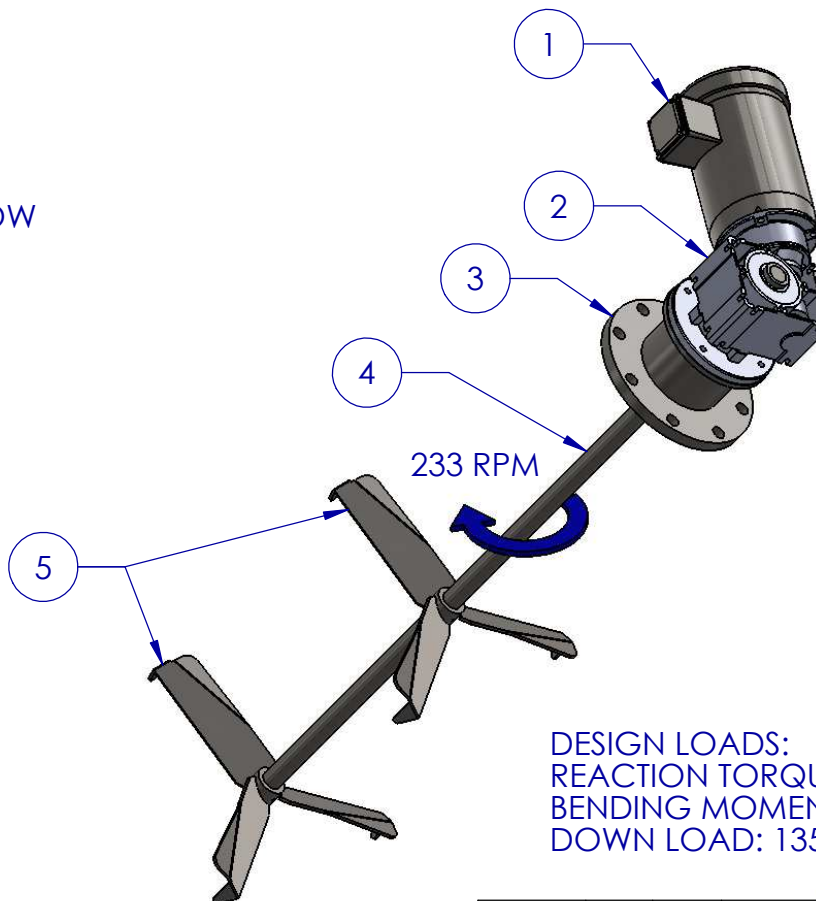
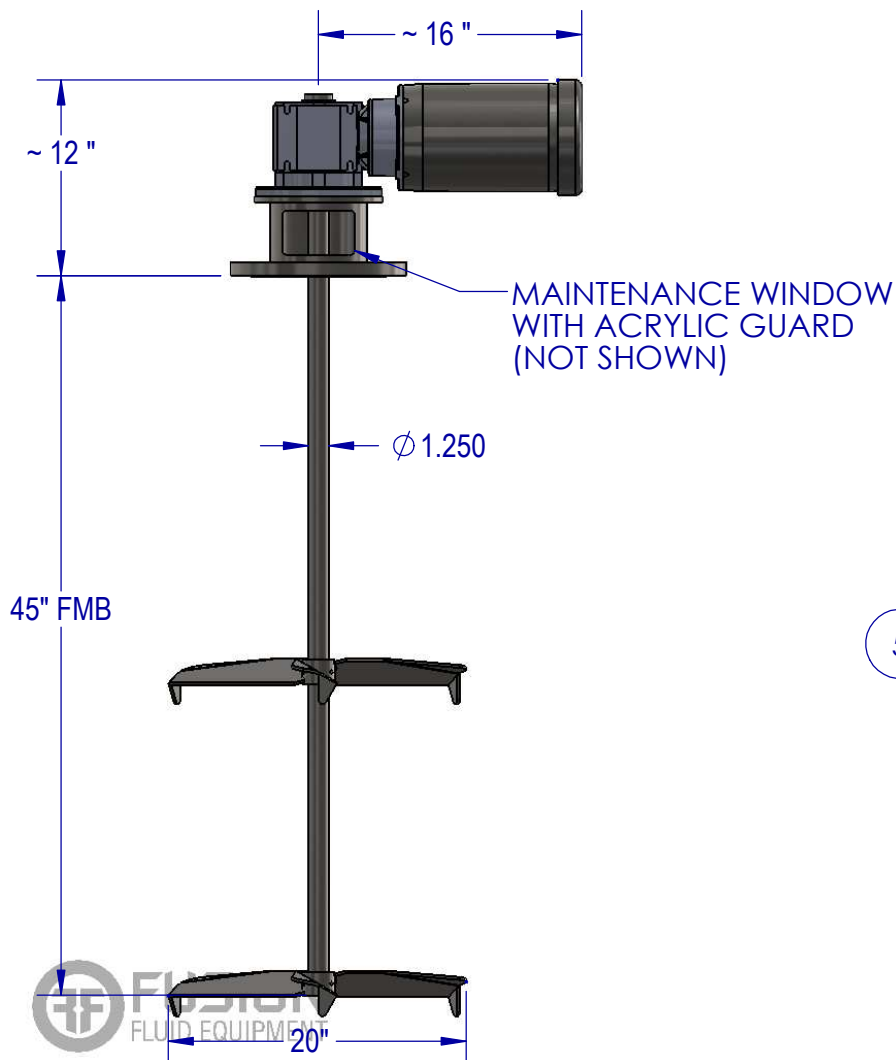
NEMA 4X DIGITAL VFD
WIRED AND MOUNTED
230V 3 PHASE INPUT
(PLC ADAPTABLE)
CANOPEN COMMUNICATION
MODULE INCLUDED
(PART # ESVZAC0)



		NAME	DATE	 FUSION FLUID EQUIPMENT
	DRAWN	JDF	3/8/13	
	CHECKED	TS	3/8/13	
	PROPRIETARY AND CONFIDENTIAL			
UNLESS OTHERWISE SPECIFIED:	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FUSION FLUID EQUIPMENT LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FUSION FLUID EQUIPMENT LLC IS PROHIBITED.			
DIMENSIONS ARE IN INCHES				
TOLERANCES:				
FRACTIONAL: $\pm 1/16"$				
ANGULAR: ± 2 DEG				
ONE PLACE DECIMAL $\pm .060"$	TITLE: CUSTOM PLATE MOUNT STAND W/ WINCH DWG			
TWO PLACE DECIMAL $\pm .010"$				
THREE PLACE DECIMAL $\pm .005"$				
DO NOT SCALE DRAWING	SIZE	DWG. NO.	REV	
	A	130290	B	
	SCALE: 1:24 WEIGHT:		SHEET 2 OF 2	



ITEM	DESCRIPTION
1	MOTOR: 3HP, 230/460/60, 3 PHASE, TEFC, INVERTER CAPABLE 10:1 PAINTED FINISH
2	GEARBOX: RIGHT ANGLE, 233RPM, SYNTHETIC LUBE. PAINT FREE FINISH
3	PEDESTAL: 304SS CONSTRUCTION, DOUBLE VITON LIP SEAL WITH 6" ANSI 150" RF FLANGE, 316SS
4	SHAFT: 1.25" OD X 45" FMB, 316SS, MILL FINISH
5	IMPELLER: DUAL 20" PF3 HYDROFOIL IMPELLERS W/ SET SCREW ATTACHMENT , 316SS, MILL FINISH



DESIGN LOADS:
REACTION TORQUE: 2,030 IN* LBS
BENDING MOMENT: 3,700 IN*LBS
DOWN LOAD: 135 LBS



APPROVED BY:	
DATE:	

	NAME	DATE
DRAWN	JDF	3/14/13
CHECKED	PIC	3/14/13
PROPRIETARY AND CONFIDENTIAL		
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FUSION FLUID EQUIPMENT LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FUSION FLUID EQUIPMENT LLC IS PROHIBITED.		
WHILE FUSION FLUID EQUIPMENT LLC STRIVES TO MAINTAIN THE INTEGRITY OF A DESIGN AS APPROVED, FUSION FLUID EQUIPMENT LLC RETAINS THE RIGHT TO MAKE MODIFICATIONS DURING THE MANUFACTURING PROCESS TO IMPROVE FIT, FORM, AND FUNCTION OF THE DESIGN WITHOUT CUSTOMER NOTIFICATION OR CONSENT.		
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. NO TOLERANCE IS IMPLIED. DO NOT SCALE DRAWING		



TITLE: FW-4 APPROVAL DRAWING		
SIZE A	DWG. NO. 130290-01-APP	REV B
SCALE: 1:24	WEIGHT:	SHEET 1 OF 1



Sales Order

8555 Silver Creek Road
Whitehall, MI 49461

Date	S.O. No.
2/6/2013	130290

Name / Address
University of Toledo Attn: Accounts Payable 2801 W Bancroft Toledo, OH 43606

Ship To
The University of Toledo Receiving Department Room# 1775 328 North Westwood Ave Toledo, OH 43607

Ship Date	Ship Via	FOB	P.O. No.	Rep	Quote #
2/27/2013	PP&A Best Way	Whitehall, MI	265514		QTS012513x1

Item	Description	Ordered
FW Mixer 201-01-3F0-121-01-01	FW-4 Mixer S/N 130290-1 Electric Motor, Baldor, #VM3561, 3 hp, 1750 rpm, 56C, 230/460v, Three Phase, 60 Hz (US), TEFC, no feet	1 1
Gearbox Purchase Pedestal 217-FP-XXX-002-XX-02	Gearbox right angle, SK1SI63FHJB-N56C, 233RPM, synthetic lube, PO 2705 Pedestal, 6" 150# ANSI FLANGE, 304SS, DOUBLE VITON SEAL, Per Drawing # 130290-1	1 1
Custom Shaft 208-02-000-000-31-01	Upgrade Component, Fusion Pro, Viton Lipseal, 1.25" ID x 2" OD x .25" thk #12446 1.25" OD X 45 FMB (56.40 OAL) 316SS, MILL FINISH	2
218-04-4X3-3F0-4X-01	Impeller Complete, PF3 Welded Hydrofoil - 3 Blade, 20" OD, 1.254" bore, 316SS, Set Screw Attachment, MILL FINISH	2
MISC PURCHASE	VFD, AC Tech #ESV222N02YXC Single or 3 Phase/230 volts to 3 Phase /230 volts, 3 HP, NEMA 4X, Digital ESVZAC0 Lenze AC Tech CANopen Communications Interface module for SMVector Drive	1 1
FW Mixer 201-01-F50-121-03-01	FW-3 Mixer S/N 130290-2 Electric Motor, Sterling, #NBY054FCA, 1/2 hp, 1750 rpm, 56C, 230/460v, Three Phase, 60 Hz (US), No Feet	1 1
Gearbox Purchase Custom Shaft 208-02-000-000-31-01	Gearbox right angle, SK1SI50FHB-N56C, 116RPM, synthetic lube, PO 2705 1.25" OD X 45 FMB (50.02 OAL) 316SS, MILL FINISH	1 2
218-04-4X4-F50-4X-01	Impeller Complete, PF3 Welded Hydrofoil - 3 Blade, 20" OD, 1.254" bore, 316SS, Set Screw Attachment, MILL FINISH	1
MISC PURCHASE	VFD, AC Tech #ESV371N02YXC Single or 3 Phase/230 volts to 3 Phase/230 volts, 1/2 HP NEMA 4X, Digital ESVZAC0 Lenze AC Tech CANopen Communications Interface module for SMVector Drive	1 1
FW Mixer 201-01-F50-121-03-01	FW-3 Mixer S/N 130290-3 Electric Motor, Sterling, #NBY054FCA, 1/2 hp, 1750 rpm, 56C, 230/460v, Three Phase, 60 Hz (US), No Feet	1 1
Gearbox Purchase Custom Shaft 208-02-000-000-31-01	Gearbox right angle, SK1SI50FHB-N56C, 116RPM, synthetic lube, PO 2705 1.25" OD X 45 FMB (50.02 OAL) 316SS, MILL FINISH	1 1
218-04-4X4-F50-4X-01	Impeller Complete, PF3 Welded Hydrofoil - 3 Blade, 20" OD, 1.254" bore, 316SS, Set Screw Attachment, MILL FINISH	2
	VFD, AC Tech #ESV371N02YXC Single or 3 Phase/230 volts to 3 Phase/230 volts, 1/2 HP NEMA 4X, Digital	1



Sales Order

8555 Silver Creek Road
Whitehall, MI 49461

Date	S.O. No.
2/6/2013	130290

Name / Address
University of Toledo Attn: Accounts Payable 2801 W Bancroft Toledo, OH 43606

Ship To
The University of Toledo Receiving Department Room# 1775 328 North Westwood Ave Toledo, OH 43607

Ship Date	Ship Via	FOB	P.O. No.	Rep	Quote #
2/27/2013	PP&A Best Way	Whitehall, MI	265514		QTS012513x1

Item	Description	Ordered
MISC PURCHASE	ESVZAC0 Lenze AC Tech CANopen Communications Interface module for SMVector Drive	1
Mixer Accessories	Mixer Stand (130290-4 & 130290-5) per dwg 130290 Out-of-state sale, exempt from sales tax	2

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