

959 Mearns Road
 Warminster, PA 18974
www.TeikokuPumps.com
 ☎ 215-343-6000
 📠 267-486-1037

5880 Bingle Road
 Houston, TX 77092
www.TeikokuPumps.com
 ☎ 713-983-9901
 📠 713-983-9919

St. Rt. 2 North
 Belmont, WV 26134
www.TeikokuPumps.com
 ☎ 304-684-2459
 📠 304-684-7593

Proposal

Date 1-4-2016	Quote No.	Inquiry No.	Project Name Dowtherm A	Terms (in US Currency) Net 30	
Representative for Teikoku USA, Inc.					
To:	Patriot Biodiesel		David Capesius Superior Industrial Equipment		
Address:	101 Patriot Way Annawan, Illinois 61234		4325 SE Beisser Drive Grimes, Iowa 50111		
Country:	United States		United States		
Phone:	(309) 935-5700		(515) 986-3323		
Fax:	(815) 910-7221		(515) 986-3868		
Email:			dcapesius@superiorpumps.com		
We promise to furnish the equipment listed below at the price shown subject to Teikoku USA's Conditions of Sale. FOB Factory					
Item No.	Equip No.	Quantity	Pump Model	Unit Price	Total Price
1	P-1006	1	F60-3211N4BL-0408SF1-AV	\$5,588	\$5,588
Application Data:		Materials of Construction:		Motor Data:	
Fluid:		Pump Case:	316 SS	Insulation:	H
TDH (feet):	64.0	Impeller:	316 SS	Frame:	3211
Capacity (GPM):	110.0	Gaskets/O-rings:	PTFE	Stator Fill:	None
Specific Gravity:	1.063	Rotor Liner:	316L SS	Voltage:	460
Viscosity (cps):	5.0	Stator Liner:	Hast C	Phase:	3
Op. Temp. (F):	104.0	Brg. Hsg./Adapter:	316 SS	Hertz:	60
Vapor Press. (psia):		Shaft:	316 SS	RPM:	3450
Sp. Ht. (BTU/lbmF):		Bearings:	Carbon Graphite	Design Power (HP):	3.28
Suct. Press. (psig):		Journal/Sleeves:	316 SS Hard Chrome	Runout Power (HP):	3.4
Dsch. Press. (psig):		Suct. Conn:	3.0 / 150# RF	Motor Rating (HP):	5.3
Diff. Press. (psi):	29.4	Dsch. Conn.:	1.5 / 150# RF	F.L. Amp:	8.0
NPSHAvail. (feet):		Case Drain:	1/2 in. NPT	F.L. KW:	4.0
NPSHReq. (feet):	4.5	Circ. Assy.:	None	Start KVA:	22.71
Eff. @ Diam. (%):	58.5	Circulation Path:	Internal	Motor Rating:	TELC
Imp. Diam. (in):	5.0	Net Wgt. (lbs):	132	Area Class:	Class 1, Group D, Div 2
Design Pressure	150 psi				
Options:				Thermal TCO (F):	356
Standard TRG bearing wear monitor included.				Perf. Curve No.:	
				Bulletin Number:	
				Outline Dwg.:	
				Shipment:	1 week
				(wks) after drwg. approval or mfg. release.	
Comments:					

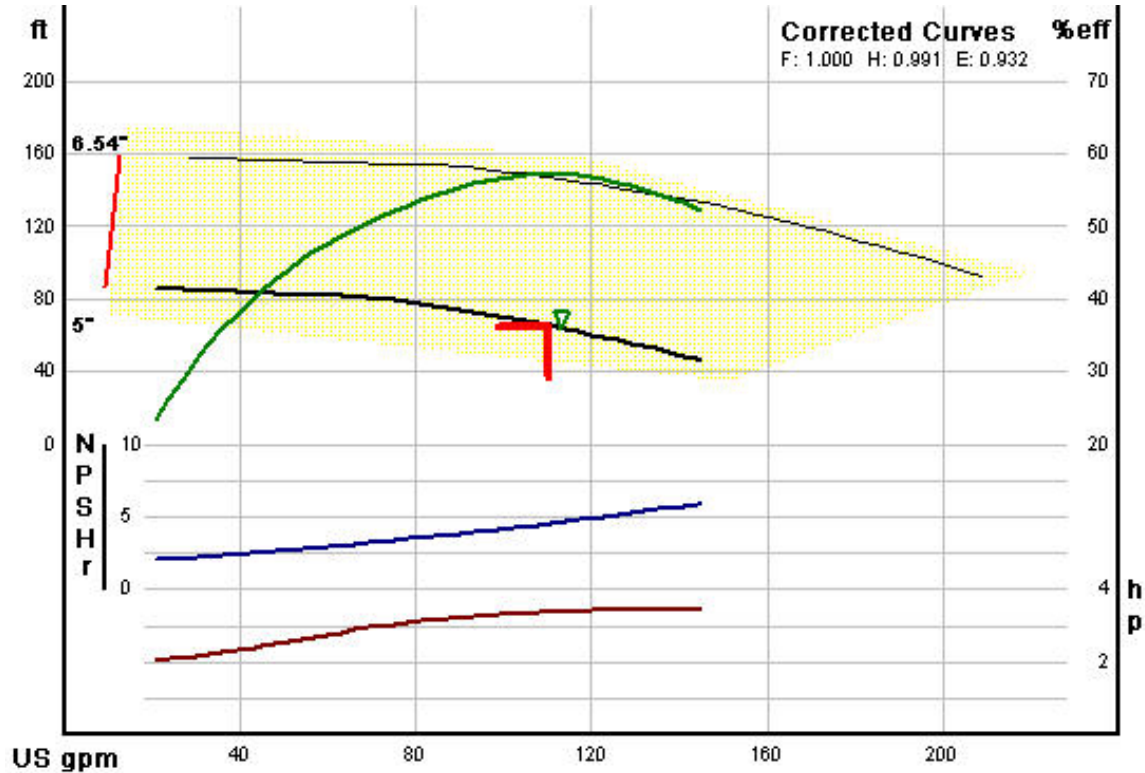
Thank you for your inquiry.
 Please feel free to visit our website at: www.TeikokuPumps.com

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Pump Data Sheet
Equipment Number: P-1006
Service: Dowtherm A
Quote Number:



Pump Properties

Model = F60-3211N4BL-0408SF1-AV
 Frame Size =
 Suction = 3.0
 Discharge = 1.5
 Frame = 3211

Application Properties

Flow = 110.0 (GPM)
 Head = 64.0 (feet)
 Speed = 3450 (RPM)
 Diameter = 5.0 (in)
 Power = 3.28 (hp)
 NPSHr = 4.5 (feet)
 Minimum Flow = 9.05 (GPM)

Pump Drawings

[Outline Link](#)

[Cross Section Link](#)