

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

5880 Bingle Road
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St. Rt. 2 North
 Belmont, WV 26134
www.TeikokuPumps.com
 ☎ 304-684-2459
 ☎ 304-684-7593

Proposal

Date	Quote No.	Inquiry No.	Project Name	Terms (in US Currency)	
7-30-2014	2014-18291 Rv2			Net 30	
To:			Representative for Teikoku USA, Inc.		
Rick Vondra Patriot Renewable Fuels, LLC			Travis Munn Superior Industrial Equipment		
Address:			1609 Afton Road Sycamore, Illinois 60178		
P.O. Box 560 Annawan, Illinois 61234					
Country:			United States		
Phone:			815-899-8900		
Fax:			815-899-8898		
Email:			tmunn@superiorpumps.com		
rvondra@patriotethanol.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-102	1	F60-3215N4BL-0204SF1-AV	\$4,813.20	\$4,813.20
Application Data:		Materials of Construction:		Motor Data:	
Fluid:	Vegetable Oil	Pump Case:	316 SS	Insulation:	H
TDH (feet):	151.3	Impeller:	316 SS	Frame:	3215
Capacity (GPM):	22.0	Gaskets/O-rings:	PTFE	Stator Fill:	None
Specific Gravity:	0.915	Rotor Liner:	316L SS	Voltage:	460
Viscosity (cps):	6.2	Stator Liner:	Hast C	Phase:	3
Op. Temp. (F):	68.4	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):	2.67
Suct. Press. (psig):		Journal/Sleeves:	316 SS Hard Chrome	Runout Power (HP):	4.1
Dsch. Press. (psig):		Suct. Conn:	1.5 / 150# RF	Motor Rating (HP):	10.0
Diff. Press. (psi):	59.9	Dsch. Conn.:	1.0 / 150# RF	F.L. Amp:	14.5
NPSHAvail. (feet):	36.5	Case Drain:	1/2 in. NPT	F.L. KW:	7.5
NPSHReq. (feet):	2.4	Circ. Assy.:	None	Start KVA:	41.33
Eff. @ Diam. (%):	30.0	Circulation Path:	Internal	Motor Rating:	TELC
Imp. Diam. (in):	6.25	Net Wgt. (lbs):	176	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:	2 weeks
				(wks) after drwg. approval or mfg. release.	
Comments:					

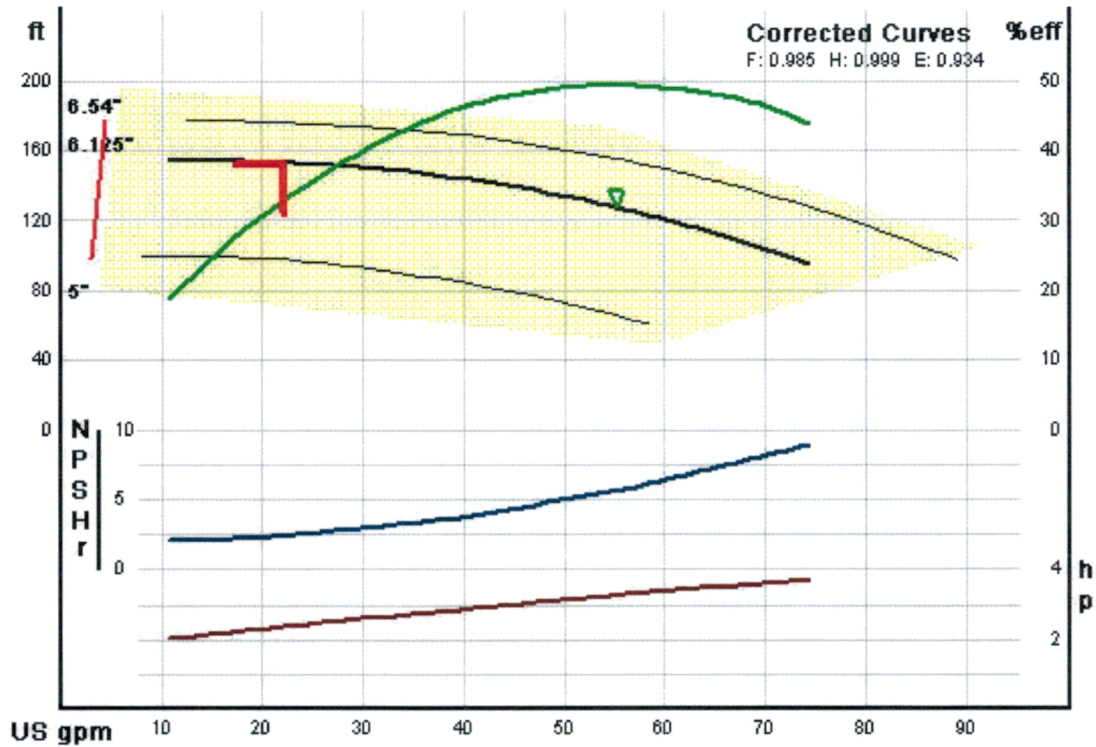
Thank you for your inquiry.
 Please feel free to visit our website at: www.TeikokuPumps.com
 Abhilash Abraham/AE x 2847

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Pump Data Sheet
Equipment Number: P-102
Service: FD Dryer Feed Pump
Quote Number: 2014-18291 Rv2



Pump Properties

Model =F60-3215N4BL-0204SF1-AV
 Frame Size =
 Suction = 1.5
 Discharge = 1.0
 Frame = 3215

Application Properties

Flow = 22.0 (GPM)
 Head =151.3 (feet)
 Speed=3450 (RPM)
 Diameter=6.25 (in)
 Power = 2.67 (hp)
 NPSHr=2.4 (feet)
 Minimum Flow=3.99 (GPM)

Pump Drawings

[Outline Link](#)

[Cross Section Link](#)