

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

Proposal

Date 7-30-2014	Quote No. 2014-18291 Rv2	Inquiry No.	Project Name	Terms (in US Currency) Net 30	
To: Rick Vondra Patriot Renewable Fuels, LLC Address: P.O. Box 560 Annawan, Illinois 61234 Country: United States Phone: 309-935-5700 Fax: Email: rvondra@patriotethanol.com			Representative for Teikoku USA, Inc. Travis Munn Superior Industrial Equipment 1609 Afton Road Sycamore, Illinois 60178 United States 815-899-8900 815-899-8898 tmunn@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
12	P-509	1	F60-3115N4BL-0204SG1-AV	\$4,666.20	\$4,666.20
Application Data:		Materials of Construction:		Motor Data:	
Fluid:	Water	Pump Case:	316 SS	Insulation:	H
TDH (feet):	92.5	Impeller:	316 SS	Frame:	3115
Capacity (GPM):	5.0	Gaskets/O-rings:	PTFE	Stator Fill:	None
Specific Gravity:	1.0	Rotor Liner:	316L SS	Voltage:	460
Viscosity (cps):	1.0	Stator Liner:	Hast C	Phase:	3
Op. Temp. (F):	68.0	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)	1.04
Suct. Press. (psig):		Journal/Sleeves:	316 SS Hard Chrome	Runout Power (HP):	1.85
Dsch. Press. (psig):		Suct. Conn:	1.5 / 150# RF	Motor Rating (HP):	3.3
Diff. Press. (psi):	40.0	Dsch. Conn.:	1.0 / 150# RF	F.L. Amp:	5.5
NPSHAvail. (feet):	33.2	Case Drain:	1/2 in. NPT	F.L. KW:	2.5
NPSHReq. (feet):	3.23	Circ. Assy.:	None	Start KVA:	15.46
Eff. @ Diam. (%):	12.1	Circulation Path:	Internal	Motor Rating:	TELC
Imp. Diam. (in):	5.118	Net Wgt. (lbs):	110	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:					

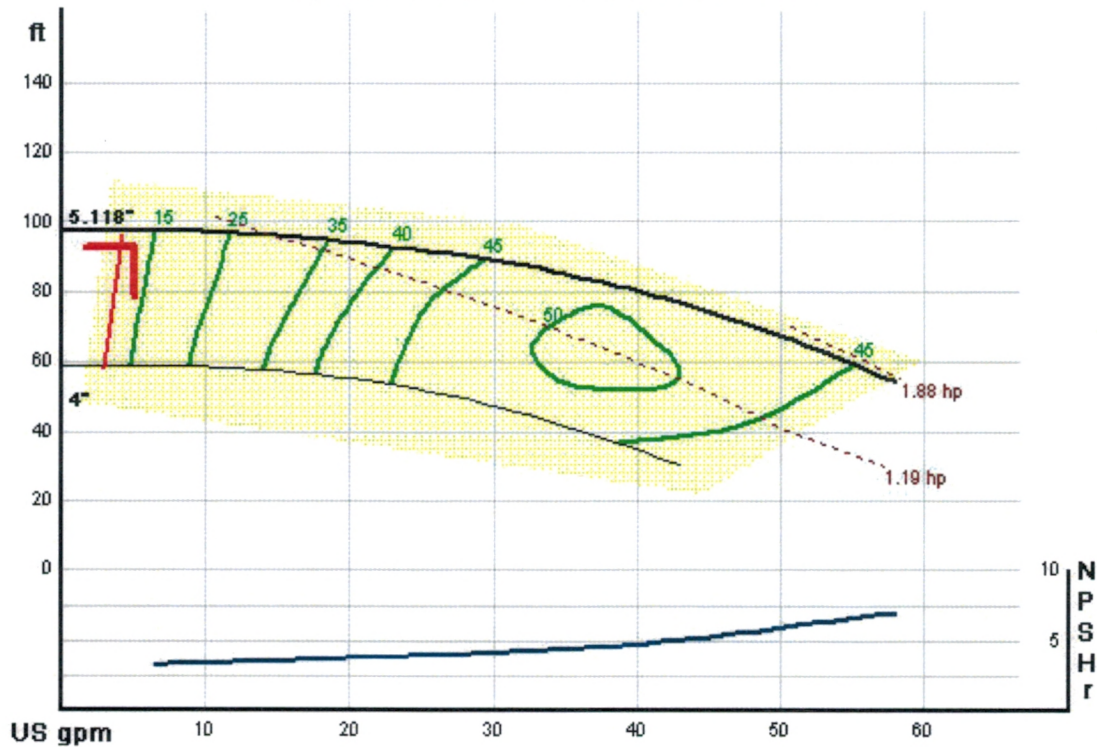
Thank you for your inquiry.
 Please feel free to visit our website at: www.TeikokuPumps.com
 Abhilash Abraham/AE x 2847

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Pump Data Sheet
Equipment Number: P-509
Service: PW Feed Pump
Quote Number: 2014-18291 Rv2



Pump Properties

Model = F60-3115N4BL-0204SG1-AV
Frame Size =
Suction = 1.5
Discharge = 1.0
Frame = 3115

Application Properties

Flow = 5.0 (GPM)
Head = 92.5 (feet)
Speed = 3450 (RPM)
Diameter = 5.118 (in)
Power = 1.04 (hp)
NPSHr = 3.23 (feet)
Minimum Flow = 4.15 (GPM)

Pump Drawings

[Outline Link](#)

[Cross Section Link](#)