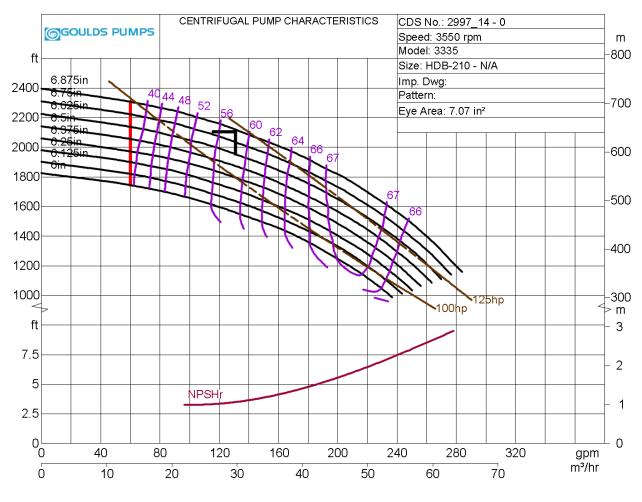
Model: 3335 Size: HDB-210	Group: N/A	60Hz	RPM: 3550	Stages:
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UNDEFINED	Issued b	ov : Adam Mera	ah		
ITEM 001				Date : 11/16/2012	
Brine Injection					
,			F	Rev.: 0	
Operating Conditions		Pump Performance			
Brine	Published Efficiency:	58.0 %	Suction Specific Speed:	13,220 gpm(US) ft	
140.0 deg F	Rated Pump Efficiency:	58.0 %	Min. Hydraulic Flow:	60.0 gpm	
1.050/1.000 cp	Rated Total Power:	126.6 hp	Min. Thermal Flow:	N/A	
132.0 gpm	Non-Overloading Power:	150.7 hp			
2,075.0 ft	Imp. Dia. First 1 Stg(s):	6.8750 in			
0.0 ft	NPSHr:	3.5 ft			
	Shut off Head:	2,396.3 ft			
	Vapor Press:				
	ITEM 001 Brine Injection ditions Brine 140.0 deg F 1.050/1.000 cp 132.0 gpm 2,075.0 ft	ITEM 001 Quotation Brine Injection ditions Brine Published Efficiency: 140.0 deg F Rated Pump Efficiency: 1.050/1.000 cp Rated Total Power: 132.0 gpm Non-Overloading Power: 2,075.0 ft Imp. Dia. First 1 Stg(s): 0.0 ft NPSHr: Shut off Head:	ITEM 001 Brine Injection ditions Pump Perform Brine Published Efficiency: 58.0 % 140.0 deg F 1.050/1.000 cp 1.050/1.000 cp 2,075.0 ft 0.0 ft NPSHr: Shut off Head: 2,396.3 ft Issued by : Adam Mera Quotation No. : HOAM12-1 Pump Perform 58.0 % 1.050/1.000 cp 1.050/1.000	ITEM 001 Quotation No. : HOAM12-11-16 01 E Brine Injection Published Efficiency: 58.0 % Suction Specific Speed: 140.0 deg F Rated Pump Efficiency: 58.0 % Min. Hydraulic Flow: 1.050/1.000 cp Rated Total Power: 126.6 hp Min. Thermal Flow: 132.0 gpm Non-Overloading Power: 150.7 hp 2,075.0 ft Imp. Dia. First 1 Stg(s): 6.8750 in 0.0 ft NPSHr: 3.5 ft Shut off Head: 2,396.3 ft	

Max. Solids Size: 0.0020 in

Notes: 1.The Mechanical seal increased drag effect on power and efficiency is not included, unless the correction is shown in the appropriate field above. 2. Magnetic drive eddy current and viscous effect on power and efficiency is not included. 3. Elevated temperature effects on performance are not included. 4. Non Overloading power does not reflect v-belt/gear losses.



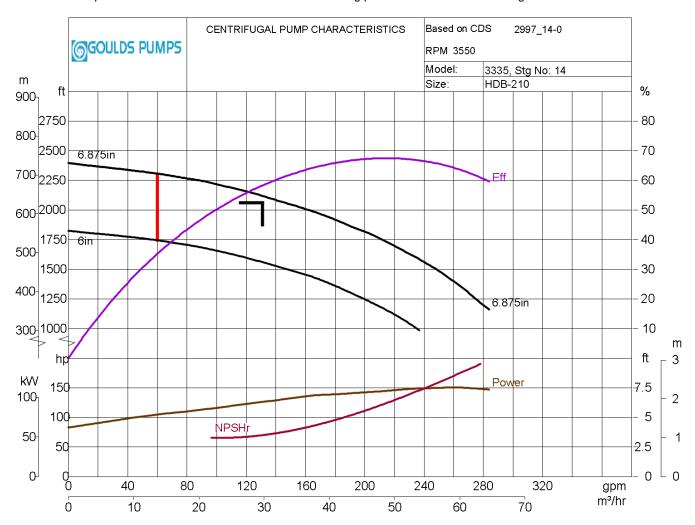


Model: 3335 Size: HDB-210	Group: N/A	60Hz	RPM: 3550	Stages:
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Job/Inq.No. : Purchaser : End User : Item/Equip.No. : Service :	UNDEFINED ITEM 001 Brine Injection	Issued b Quotatio	oy : Adam Mera on No. : HOAM12-1		Rev. Date	•
Order No. :						
Operating Conditions Pump Performance						
Liquid:	Brine	Published Efficiency:	58.0 %	Suction Specific Sp	beed:	13,220 gpm(US) ft
Temp.:	140.0 deg F	Rated Pump Efficiency:	58.0 %	Min. Hydraulic Flow	N:	60.0 gpm
S.G./Visc.:	1.050/1.000 cp	Rated Total Power:	126.6 hp	Min. Thermal Flow	:	N/A
Flow:	132.0 gpm	Non-Overloading Power:	150.7 hp			
TDH:	2,075.0 ft	Imp. Dia. First 1 Stg(s):	6.8750 in			
NPSHa:	0.0 ft	NPSHr:	3.5 ft			
Solid size:		Shut off Head:	2,396.3 ft			
% Susp. Solids (by wtg):		Vapor Press:				

Max. Solids Size: 0.0020 in

Notes: 1. The Mechanical seal increased drag effect on power and efficiency is not included, unless the correction is shown in the appropriate field above. 2. Magnetic drive eddy current on power and efficiency is not included. 3. Elevated temperature effects on performance are not included. 4. Non Overloading power does not reflect v-belt/gear losses.



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