

PRESS FILTER SLUDGE FEED PUMPS

Data

Liquid	: Mixed oily and biological sludge
Temperature	: 20 to 55 °C
Sludge dry concentration	: 72.5 g/l
Diff. Pressure (bar)	: 2.3 to 19.6
Flow (m3/h)	: 60 to 15

2 Progressive Cavity Pumps API 676 type AE 2N 1450G 422 in accordance with ARAMCO 9com certification

Performances	RATED CONDITIONS		Max. conditions	
Capacity (m3/h)	: 60	15	60	15
Diff. Pressure (bar)	: 2.3	15.7	3.5	19.6
Speed (tr/mn)	: 271	117	272	150
Abs. Power (kW)	: 8.9	13.5	11	21.2
Motor Power (kW)	: 30 (40 CV)			

Construction

Casing	: Stainless steel AISI 316 Ti
Rotor	: Ductile Steel, hard chromed plated
Stator	: ALLDUR
Seal	: cartridge single MS design API 682 Plan 02/61
Connections	: suction 6" ANSI B16.1 class 150 Discharge 6" ANSI B16.1 class 150

Characteristic Curve for Progressive Cavity Pumps

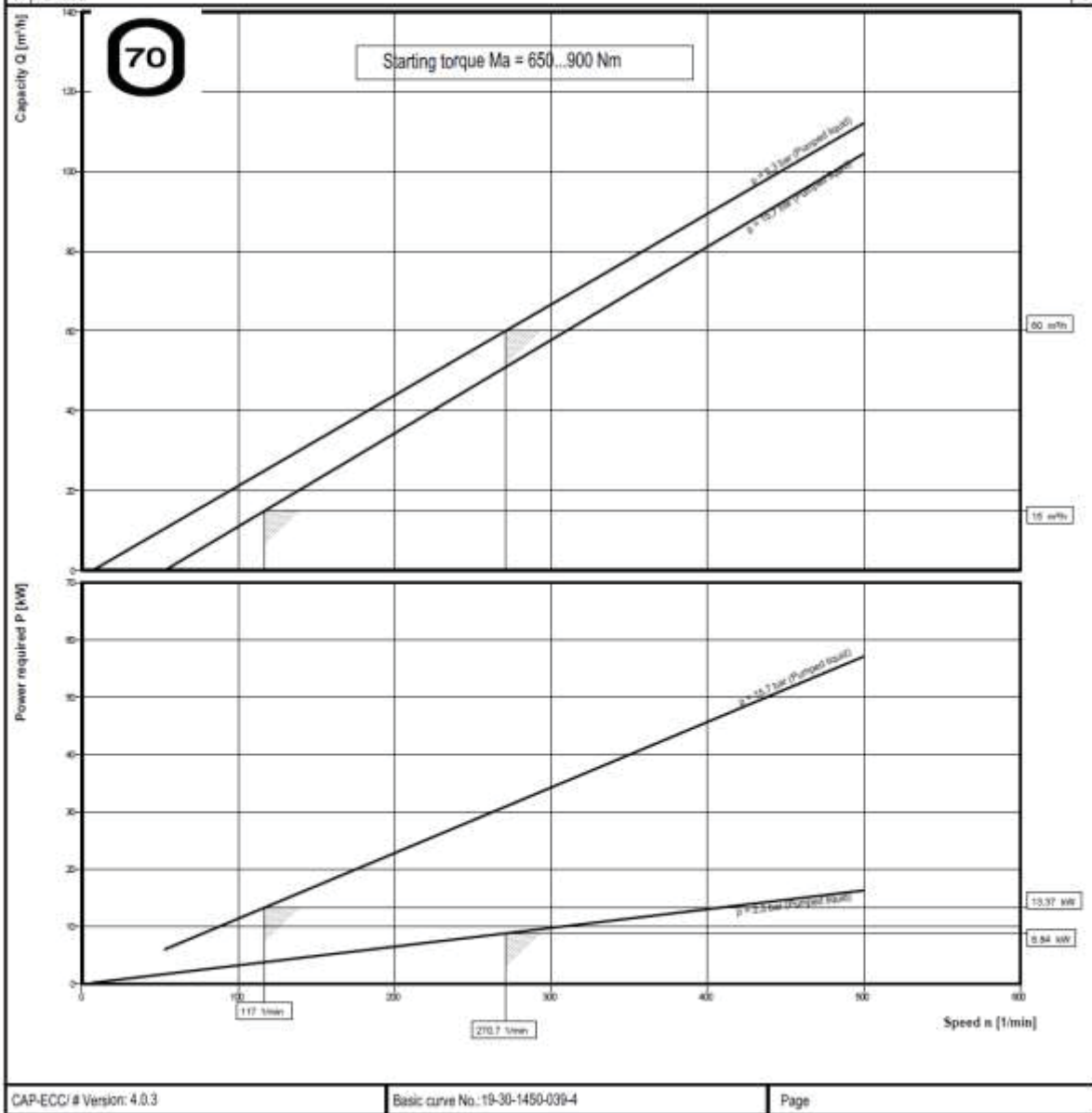
Quotation No.
08PH080217rev2

Date: 26/04/2017 Prepared by

Item: Filter Press Feed Pa

Size: **1450** Pressure stages: **2** Elastomers: **70 Shore A** uniform stator type

				1#	2#	
1	Pumped liquid	SLUDGE		1	Inlet pressure	1,00 bar
2	Temperature	45,0 °C		2	Discharge pressure	3,3 bar
3	Density	1,0 kg/dm ³		3	Differential pressure	2,3 bar
4	Viscosity	1,0 mPa·s		4	Capacity	60,0 m ³ /h
5	Solids content	0,0 %		5	Speed	270,7 1/min
6	Grain size	0,0 mm		6	NPSHR(Water)	2,27 m
7	Fibre length	0,0 mm		7	Power required	8,64 kW
8	Concentration	7,25 %		8	Torque	311,8 Nm
9				9		
10				10		
11				11		
12				12		
13				13		
14	Tolerance acc. to	VDMA 24 294 class II group II		14		
15	Remarks			15		



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				1#	2#	
1	Pumped liquid	SLUDGE		1	Inlet pressure	1,00 bar
2	Temperature	45,0 °C		2	Discharge pressure	4,5 bar
3	Density	1,0 kg/dm ³		3	Differential pressure	3,5 bar
4	Viscosity	1,0 mPa·s		4	Capacity	60,0 m ³ /h
5	Solids content	0,0 %		5	Speed	272,2 1/min
6	Grain size	0,0 mm		6	NPSHR(Water)	2,26 m
7	Fibre length	0,0 mm		7	Power required	10,75 kW
8	Concentration	7,25 %		8	Torque	377,3 Nm
9				9		
10				10		
11				11		
12				12		
13				13		
14	Tolerance acc. to	VDMA 24 294 class II group II		14		
15	Remarks			15		

