

**SULZER**

$n_q$  18,8

Vitesse  
Drehzahl 3 550 1/min  
Speed

Gehäuse

$z = 4$   
Laufgrad, 1. Stufe

Laufgrad  $z = 5$

Leitrad  $z = 8$

Leitrad, 1e. Stufe

Spaltwand

Zeichng. Nr.

Mod. Nr. 1 %

Mod. Nr. 2 %

No. K 4342. 11.14/1

Grandeur - Baugröße - Size

TMC 50  
TTMC

Bride aspiration  
Saugstutzen  
Suction branch

DN 100 (4")

Dia. de grain maxi.  
Max. Korngröße  
Max. grain size

7 mm

Ouïe  
La-Eintr. Querschnitt  
Eye Area

1. St. 61,9

N. St. 25,2 cm<sup>2</sup>

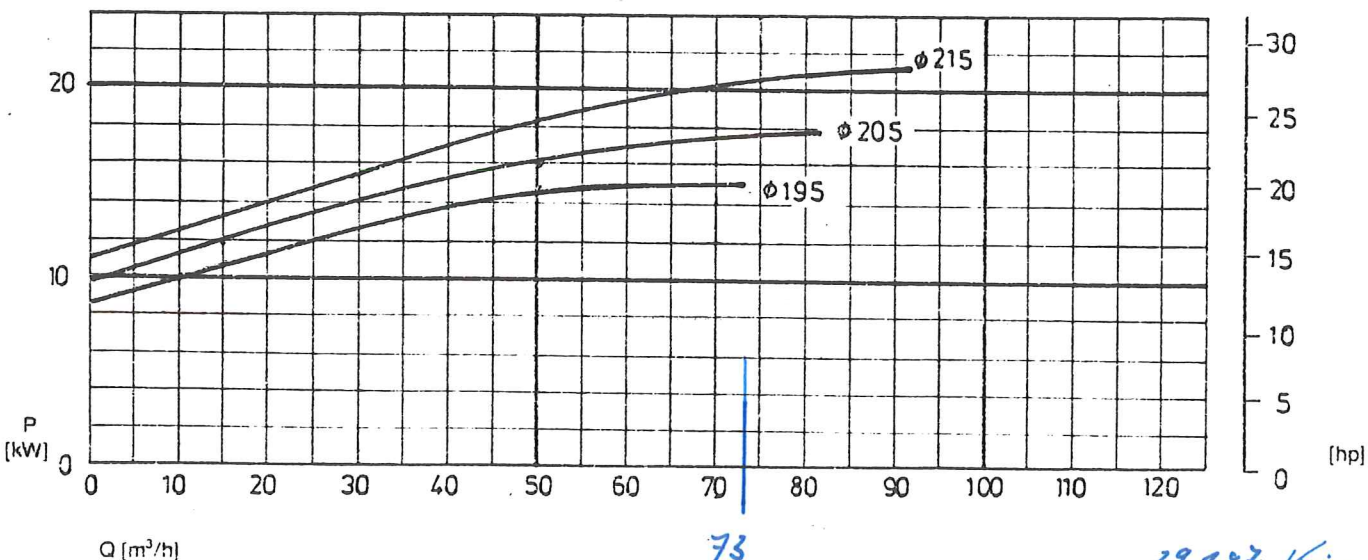
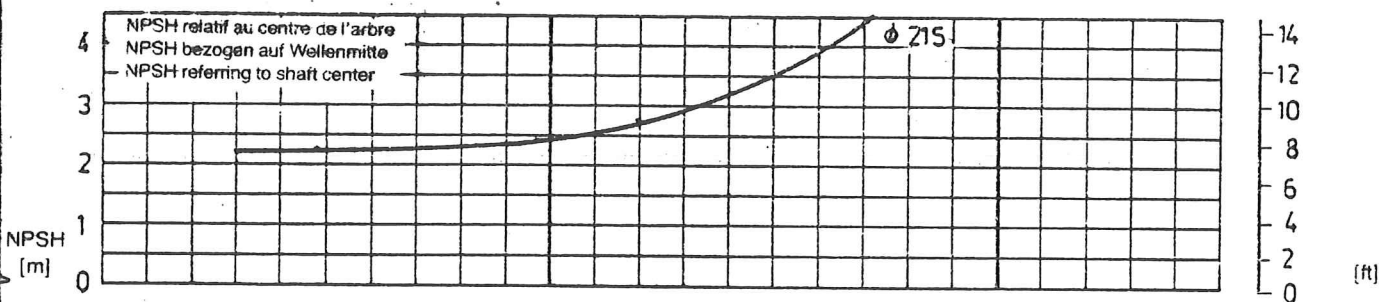
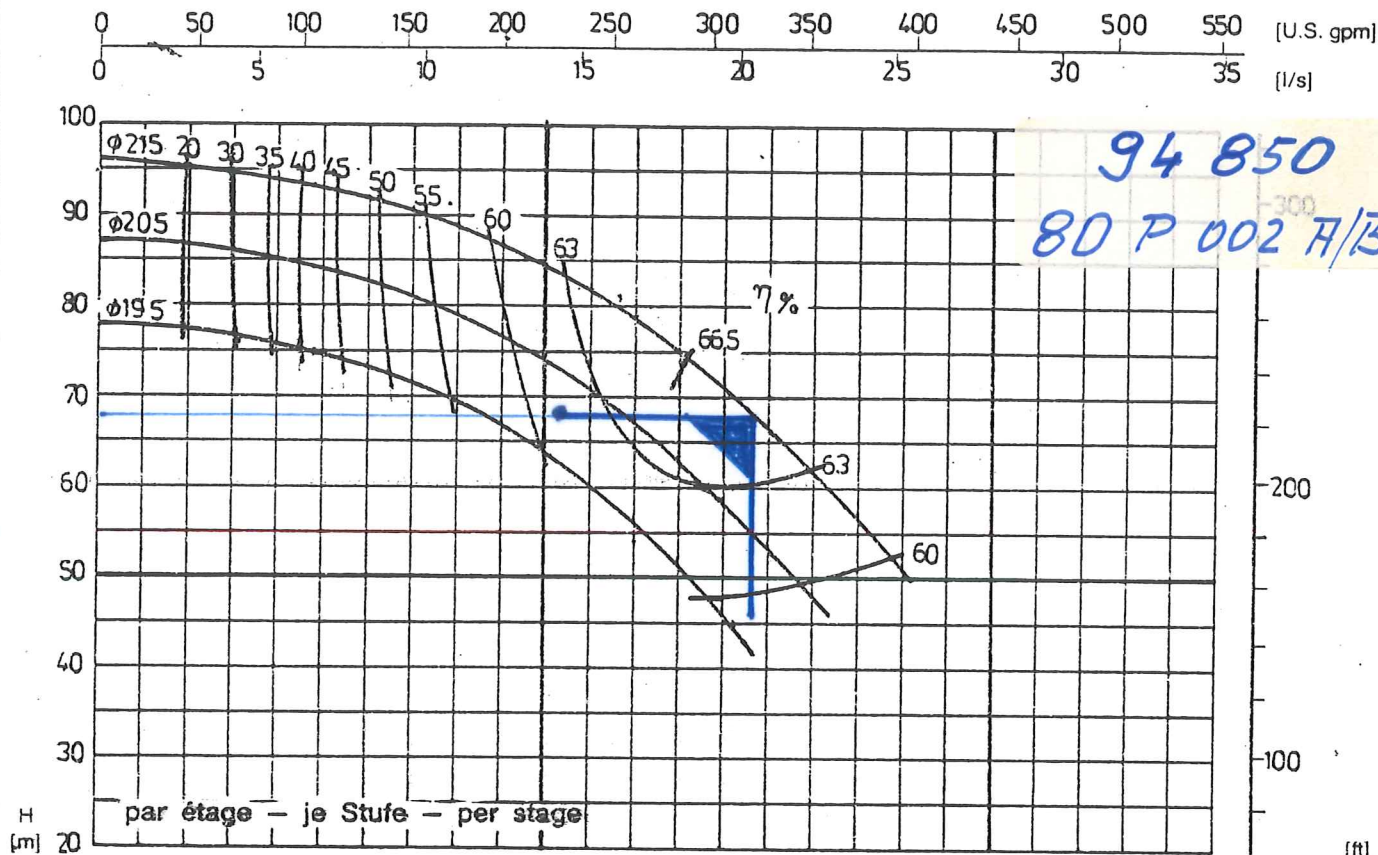
Sens de rotation  
Drehrichtung  
Rotation

à gauche vu côté accouplement  
links  
anti-clockwise

v. côté accouplement  
v. Antrieb  
facing coupling

Bride refoulement  
Druckstutzen  
Discharge branch

DN 50 (2")



gez. *[Signature]*

Dat. 30.10.85

erz. K 4342. 11.14/1  
vom 1.3.84



UHD		Plant PP-Expansion	Customer Petrocorp	Code PETROLEX	UAN	0,31,2,0,516,0,0	Page 1
DATA SHEET FOR PUMPS					C 94850		
Impeller for propylene transfer pump					TON	80P-02A/B	
					ITEM	(80P-02)	
					REV.	01	
1	Quantity (operation/stand-by)	1/1	56	MANUFACTURER			
2	Drive	E-Motor	57	Manufacturer			
3	Frequency Hz	60	58	Type			
4			59	Size			
5	KIND OF PUMP		60				
6	( Centrifugal pump, Conned motor pump, Screw spindle pump,		61	MATERIALS			
7	Helical rotor pump, Piston pump, Diaphragm pump )		62	Material, casing			
8			63	Material, impeller 0.6025			
9	Type of pump	centrifugal pump	64	Material, piston 1.0425			
10			65	Material, diaphragm			
11			66	Material, rotor 1.5680			
12	Vertical pump		67	Material, stator			
13	Pump length mm		68	Material, soindle			
14	Self priming		69				
15	Suction head mm		70				
16			71				
17	OPERATING CONDITIONS		72	SERVICE			
18	Medium	Propylene	73	continuous			
19	Capacity (Q), rated m3/h	73 3)	74	intermittent			
20	Capacity (Q), max. m3/h		75				
21	Capacity (Q), normal m3/h		76	LOCATION			
22	Capacity (Q), min. m3/h		77	indoor			
23	Suction pressure, max. bar abs.	16.1	78	outdoor x			
24	Suction pressure, normal bar abs.	9.2	79	under roof			
25	Discharge pressure, normal bar abs.	41	80	Level m			
26	Differential pressure bar	31.8 (max.) 1)	81				
27	Differential head m	610 (max.)	82	SEALING			
28	Operating temperature C	16-39	83	( Packing, Mechanical seal, Magnetic drive )			
29	Density at oper. temp. kg/m3	521-481	84				
30	Viscosity at oper. temp. mPas	0.8	85	Shaft seals			
31	Max. viscosity at min. temp. mPas		86				
32	Vapour pressure at oper. temp. bar abs.		87	Mechanical seal			
33	Elevat. above mean sea level m		88	( Single, Back to Back, Tandem )			
34	Solids yes	no x	89				
35	Part of solids %		90	Type of mechanical seal Tandem			
36	Particle size um		91				
37	Hardness		92	Sep. sealing data sheet yes no			
38	Corrosive components yes	no	93	Barrier fluid white oil			
39	pH-Value		94	Flushing fluid			
40	combustible toxic		95				
41	Pressure at suction vessel bar abs.		96	ADD. INFORMATION			
42	Suction head m		97	Suction nozzle PN			
43	NPSH-available at Q rated m		98	DN			
44	Speed min-1		99	Discharge nozzle PN			
45	Shaft power, required kW	48	100	DN			
46	E-Motor rating kW	125	101	Mounting plate PN			
47	Sound press. lev., max. allow. db (A)		102	DN			
48			103				
49	MECH. DESIGN		104				
50	Design temperature C	-50/120	105	Flanges acc. to: DIN/ANSI			
51	Design pressure bar g	20/40 2)	106				
52	Design acc. to: DINISO	DIN/ISO/AD	107				
53	API		108				
54	ASTM/ANSI		109				
55			110	Delivery weight kg			
111	Remarks: 1) with density 521 kg/m3						
112	2) Design pressure: 20 bar suction / 40 bar discharge side						
113	3) Existing capacity of 80P-02A/B 52 m3/h						
114	--new impellers and motors!?!--						
115	x incl. Diffusers, Bushings and Orings						
116							
117							
118							
119							
120							
121							