Gruppo Aturia

TEST REPORT

Certificate number: **SP18F101** REV. A

Pump type				XN8E15A			Motor		ATURIA		Test instruments	Referements
Flow	Duty	22,20	l/s	Imp. Ø		mm	Type		H8100		Electric instruments	Client
		80	m³/h				HP		V	380	Watt. Digit. Voltech PM300	REM srl
Head	Shutoff		m	Visc.		Cst	KW	75	Amp	145	Gauge	Client order
	Duty	219	m	η %	72	%	R.P.M.	2900	Hz	50	40 Bar - C4	
Rotating speed		2900	RPM	γ		kg/m³	Item				Delivery-test	Aturia job
Serial number				Item			Serial number				E & H DN80	

H man. / H dis.	H asp. / H suct.	Dis	$V_{1^2}-V_{2^2}$ / 2g	H tot. / Tot. head	Q l/s	m3/h	Volt	Amp. K= 1,00 Reading	Tot.Amp	K = 1000 W 1	W2	W/div KW abs.	Power Factor	Hz	Motor effic. %	Brake kW	Giri/1' RPM	Rend. % Total	Pump
376,09	0,0	1,5	0,00	377,59	0,00	0,00	382,3	103,50	103,50		56,00	56,00	0,82	50,0	87,00	48,72	2920	0,00	0,00
314,59	0,0	1,5	0,03	316,12	8,73	31,43	380,3	116,00	116,00		64,45	64,45	0,84	50,0	86,80	55,94	2899	41,98	48,36
301,60	0,0	1,5	0,04	303,14	10,92	39,31	380,2	119,60	119,60		66,96	66,96	0,85	50,0	86,80	58,12	2898	48,47	55,84
290,96	0,0	1,5	0,05	292,51	11,75	42,30	380,0	119,60	119,60		65,99	65,99	0,84	50,0	86,50	57,08	2892	51,06	59,03
259,07	0,0	1,5	0,09	260,66	16,03	57,71	379,2	127,20	127,20		71,81	71,81	0,86	50,0	86,50	62,12	2885	57,05	65,95
223,86	0,0	1,5	0,14	225,50	20,01	72,04	379,8	130,40	130,40		73,83	73,83	0,86	50,0	86,40	63,79	2887	59,92	69,35
206,00	0,0	1,5	0,17	207,67	22,32	80,35	379,0	129,60	129,60		73,14	73,14	0,86	50,0	86,40	63,19	2890	62,13	71,91
166,04	0,0	1,5	0,22	167,76	25,20	90,72	379,7	124,80	124,80		70,35	70,35	0,86	50,0	86,50	60,85	2893	58,91	68,11
141,90	0,0	1,5	0,25	143,65	27,00	97,20	380,1	120,90	120,90		67,69	67,69	0,85	50,0	86,80	58,75	2893	56,17	64,72

Cold		Mohm
Warm		Mohm
Applied Voltage		KVx1'
Winding resistance		Ohm

Certificate num.	Date	Suction pipe Ø [mm]	Discharge pipe Ø [mm]	Operator	Approved
SP18F101	18/06/2010		125	Pandolfi	

Gruppo Aturia

PERFORMANCE TEST CURVE

- ISO 9906 Gr.2 -

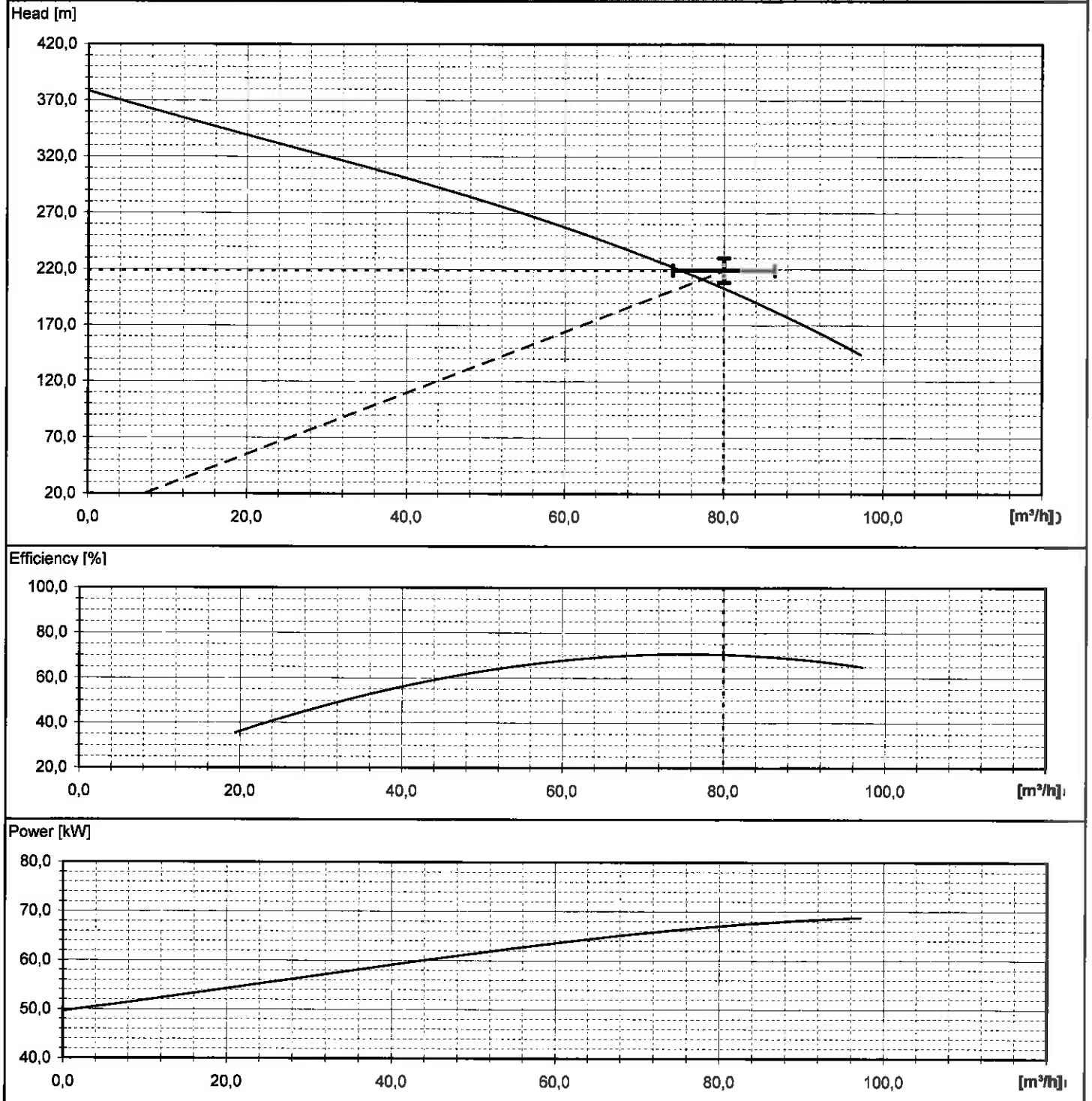
Certificate number	REV
SP18F101	A

Client data		Manufacturer data	
Client:	REM srl	Job:	
Order:		Pump type:	XN8E15A
Item:		Serial number:	

Performance data

Duty point			Test results		
Q:	80	m³/h	Head:	Passed	± 5% Hduty
H:	219	m	Capacity:	Passed	± 8% Qduty
η:	72	%	Efficiency:	Passed	± 5% ηduty

Performance curve



Date	Operator	Approved	Client
18/06/2010	Pandolfi		