SITGroup
Via G. Deledda, 10/12
62010 Montecassiano (MC)

Test name	**Rv140700**
Made by	**PL**
Date	**1/7/2014**

(1) Fan description

Housing	**GPe**
Grids (Yes/No)	**Sì**
Flap (Yes/No)	**No**
Motor	**SQ47-1**
Impeller	**59 pale**
Capacitor [uF]:	**4**

(2) Test description

Voltage [V]	**230**
Frequency [Hz]	**50**
Output tube diameter [mm]	**150**
Warm-up period [min]	**15**

(3) Other details

Ventilatore in aria libera

(4) Environment

Temperature [°C]	**24,3**
Relative humidity [%]	**78**
Atm. Pressure [mBar]	**1006,088**

Normal	
Temperature [°C]	**20,0**
Relative humidity [%]	**50**
Atm. Pressure [mBar]	**1013,25**

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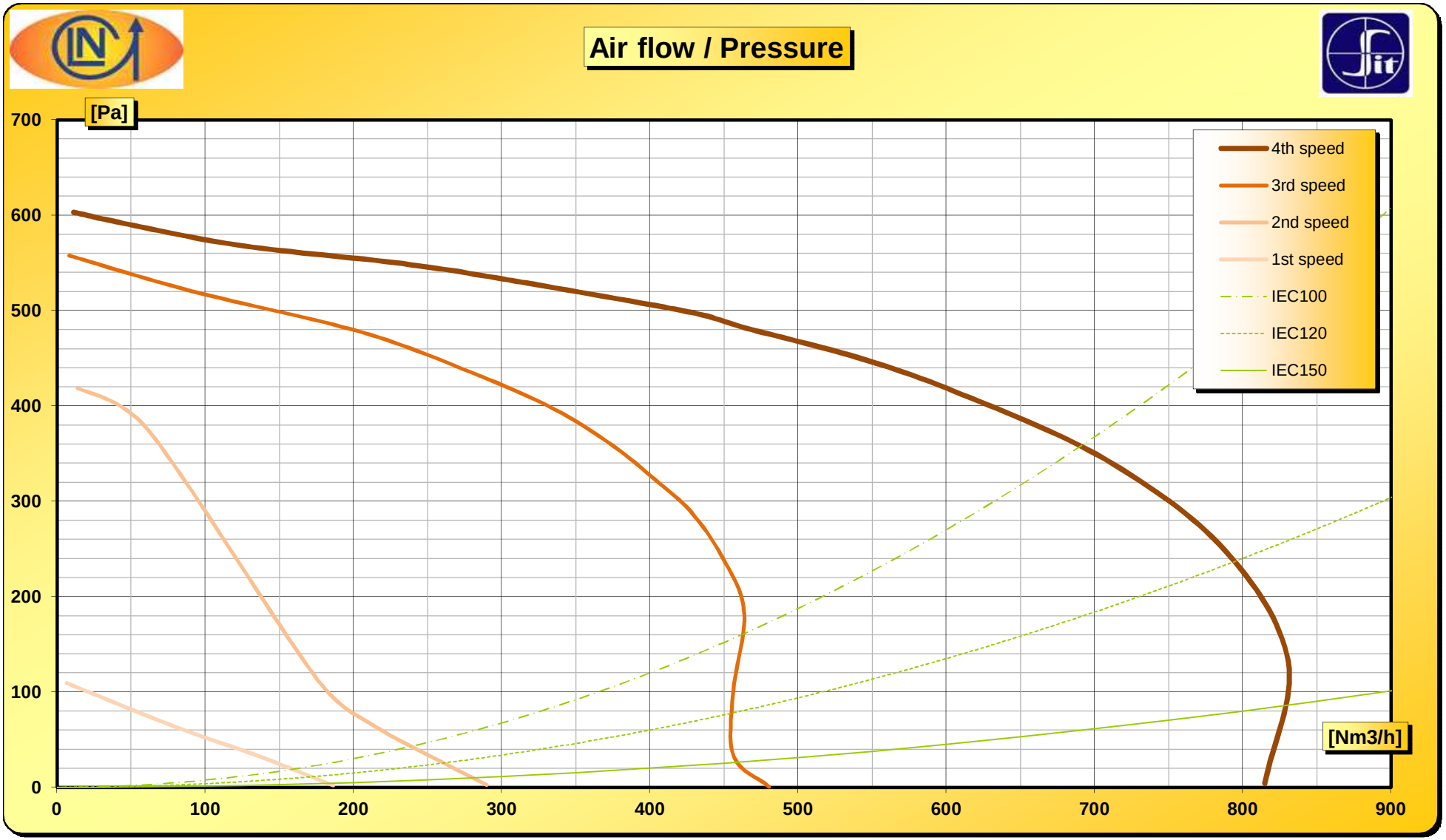
(5) Test results

	Q	P	W	Eta	I	V	Speed	
	[m3/h]	[Pa]	[W]	-	[A]	[V]	[rpm]	
4th speed	815	4	371,7	0,2%	1,662	229,8	1.433	
	831	132	339,9	9,0%	1,498	230,0	1.983	
	788	249	300,0	18,1%	1,300	230,0	2.271	
	707	344	254,5	26,5%	1,085	230,2	2.476	
	605	416	217,1	32,2%	0,924	229,8	2.600	
	536	453	197,6	34,1%	0,836	229,8	2.658	
>>>>	465	482	178,3	34,9%	0,760	230,0	2.700	**<<<<**
	428	498	171,3	34,5%	0,730	230,0	2.710	
	307	531	145,2	31,2%	0,621	230,0	2.775	
	233	549	132,7	26,8%	0,570	230,2	2.810	
	126	568	115,7	17,2%	0,508	230,2	2.838	
	49	590	106,6	7,5%	0,482	230,2	2.862	
	11	603	104,3	1,8%	0,471	230,2	2.872	
3rd speed	480	1	254,5	0,0%	1,100	230,0	909	
	457	32	249,9	1,6%	1,078	230,0	1.080	
	456	99	239,8	5,2%	1,027	230,2	1.415	
	464	184	219,6	10,8%	0,928	230,2	1.805	
	449	242	203,8	14,8%	0,862	230,2	2.002	
	428	289	190,2	18,0%	0,803	230,2	2.145	
	404	323	180,0	20,1%	0,760	230,2	2.247	
	376	358	168,8	22,1%	0,709	230,2	2.335	
	335	397	157,5	23,5%	0,661	230,0	2.419	
	282	434	141,7	24,0%	0,595	230,0	2.517	
	206	477	122,4	22,3%	0,515	230,2	2.629	
	91	520	103,1	12,7%	0,431	230,2	2.716	
	8	558	94,1	1,4%	0,402	230,5	2.760	
2nd speed	290	2	82,7	0,2%	0,825	230,2	584	
	213	65	84,9	4,5%	0,829	230,2	1.049	
	176	112	85,0	6,5%	0,818	230,2	1.308	
	61	376	97,4	6,5%	0,748	230,2	2.298	
	14	419	94,0	1,7%	0,774	230,2	2.407	
1st speed	186	2	41,9	0,2%	0,580	230,0	388	
	138	31	43,1	2,8%	0,580	230,0	733	
	77	65	43,1	3,2%	0,580	230,0	1.000	
	7	109	44,2	0,5%	0,577	230,0	1.252	

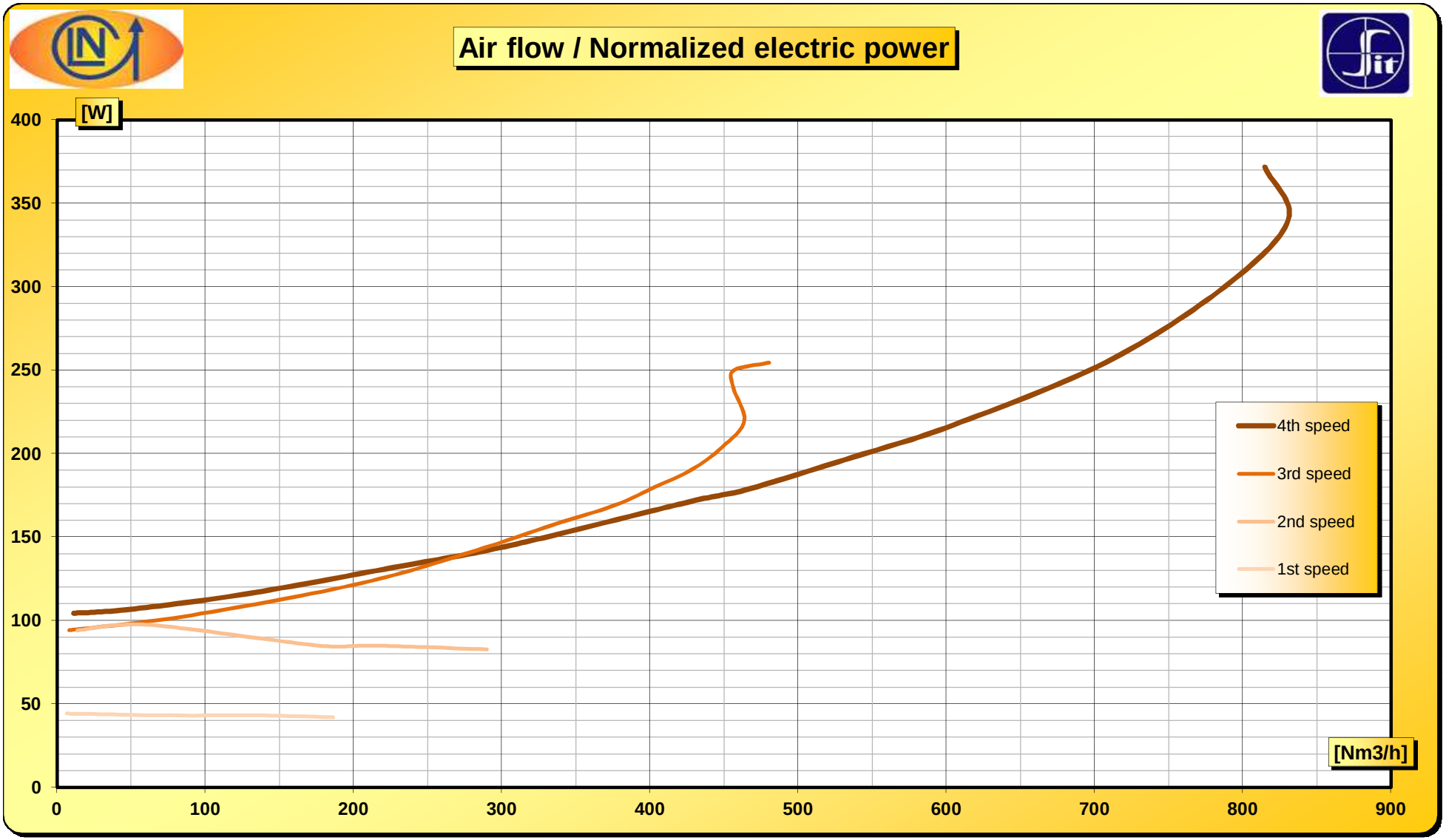
Compiled	Lorenzo Ponzelli	Approved	Giuseppe Cavina	Date	3 luglio 2014

Air flow / Pressure



PROJECT:	Test di portata in aria libera prototipo di GPe800_47SQ: motore SQ47-1 - condensatore 4µF						
REFERENCE RULES	IEC61591		**INPUT POWER**	230V - 50Hz		**OUTLET**	150mm
TEST CONDITIONS	-						
DATE	01/07/2014	**REV.:**	0	**COMPILED**	Lorenzo Ponzelli	**APPROVED**	Giuseppe Cavina

Air flow / Normalized electric power



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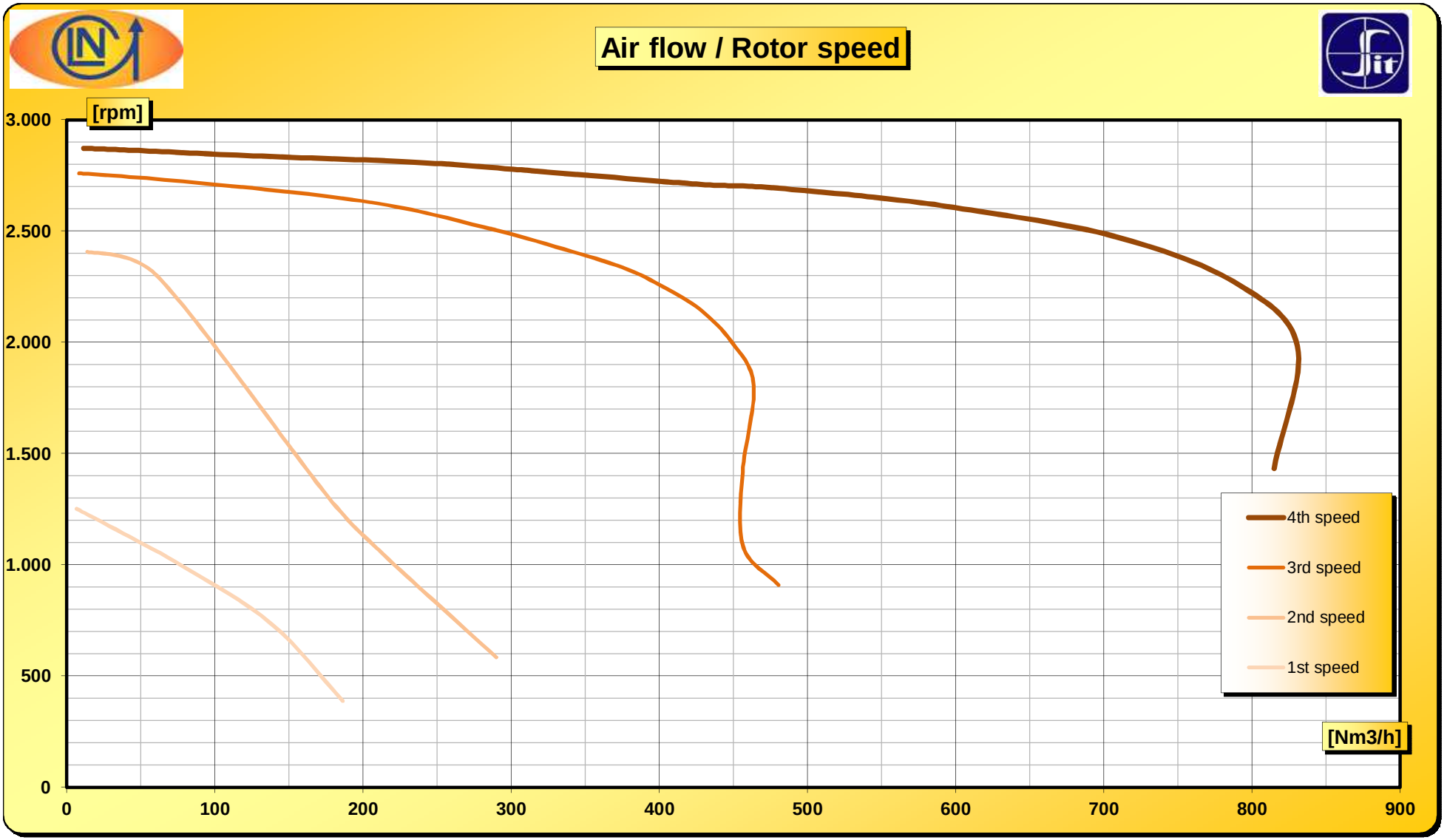
Air flow / Rotor speed



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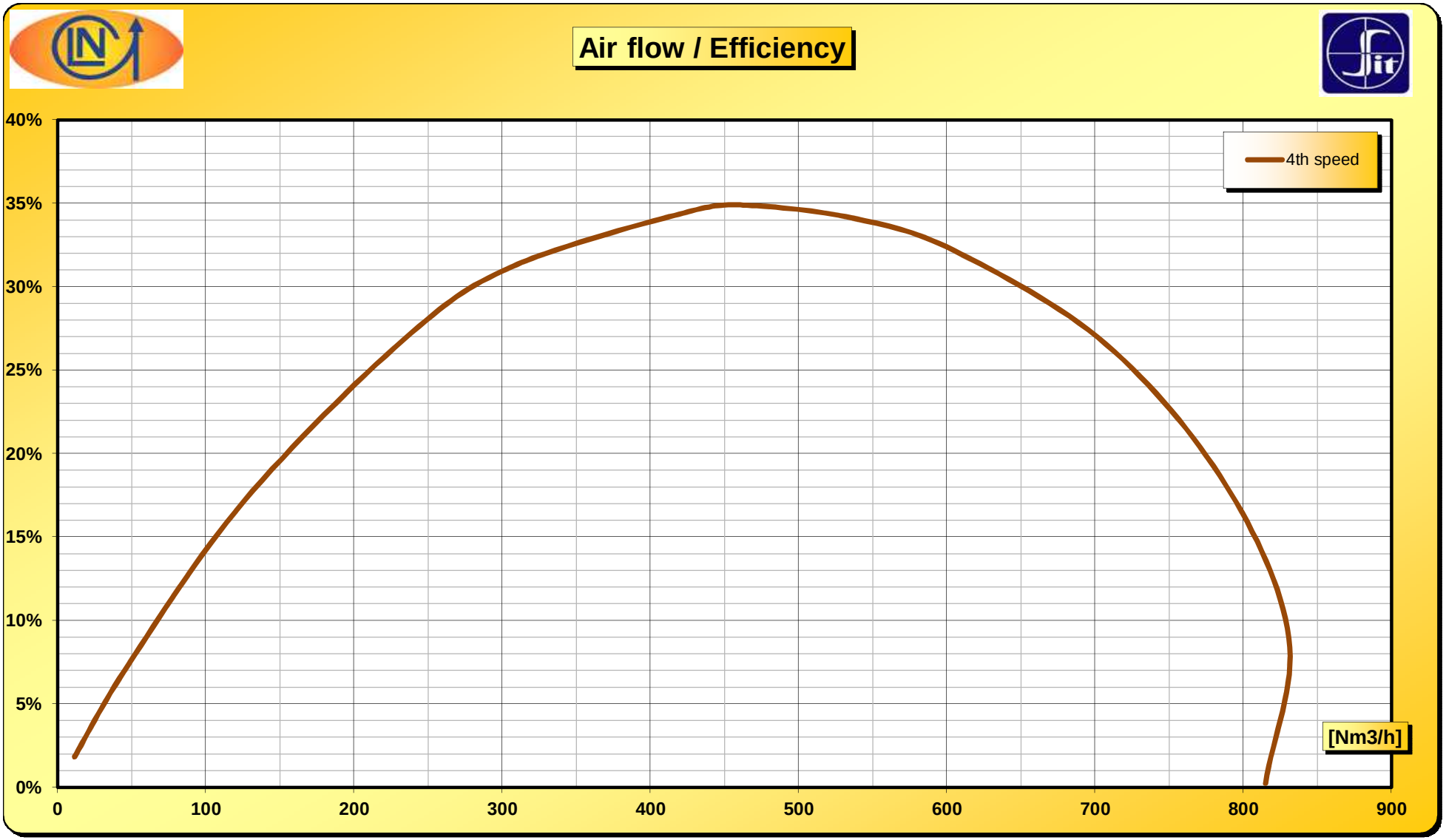
Air flow / Efficiency



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