

**Comsel, GEA Grasso Compressor Selection Software**

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**TECHNICAL DATA (Standard package)**

Screw comp. package	1 x NR-N30B-28/ER-E2640S-28	
Theor. swept volume LP	860,0	(m <sup>3</sup> /h)
Theor. swept volume HP	321,0	(m <sup>3</sup> /h)
Refrigerant	NH3	
Speed	2940	(/min)
Rotation frequency	50	(Hz)
Evap. temp.	-30,0	(°C)
Evap. press.	119,8	(kPa)
Superheat	5,0	(K)
Superheat useful	0,0	(K)
Cond. temp.	35,0	(°C)
Cond. press.	1351,3	(kPa)
Subcooling	0,0	(K)
Press. ratio LP	4,13	(-)
Press. ratio HP	2,73	(-)
Interm. press., sat. temp.	3,8	(°C)
Power consumption LP	61,4	(kW)
Power consumption HP	60,0	(kW)
Refrigerating capacity (With intermediate cooler Single-stage(Shell&tube))	252,9	(kW)
COP = Qo/Pe	2,08	(-)
Capacity interstage cooler	21,8	(kW)
Oil cooler capacity	79,6	(kW)
Oil inlet temperature	50,0	(°C)
Functional oil flow	56,1	(l/min)
Total oil flow	95,4	(l/min)
Disch. temperature	77,5	(°C)